

1999

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



Oregon Department of Fish and Wildlife

1999

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by

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FOREWORD

The statistics presented in this publication provide information on the amount and value of commercial food fish landings in the State of Oregon in 1999. 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 form 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

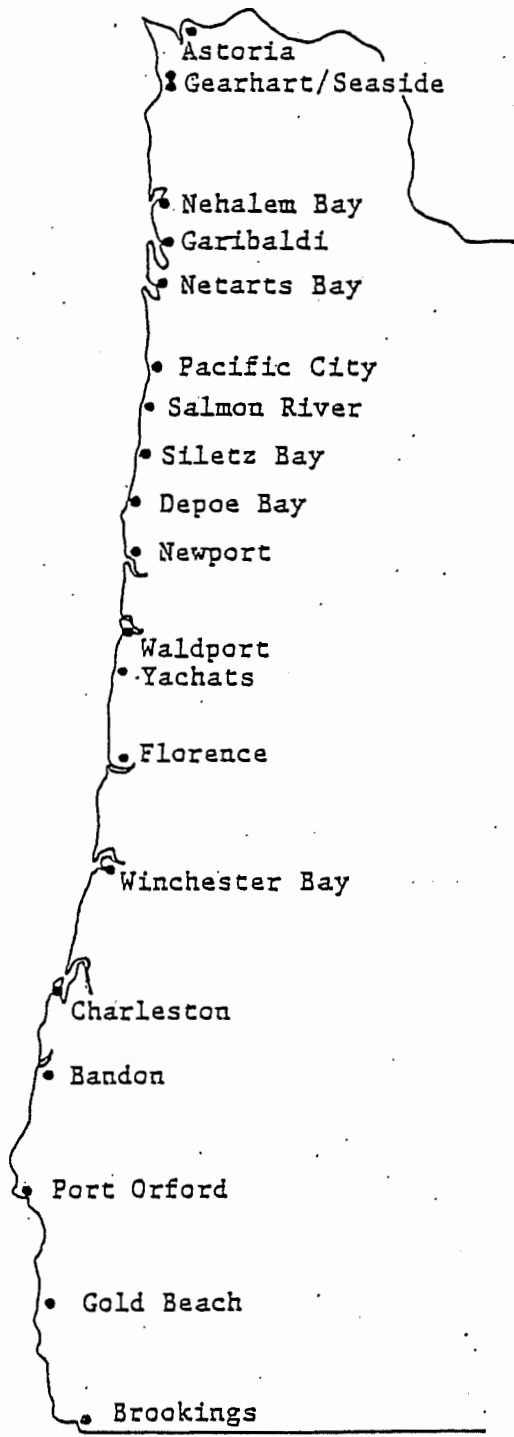


Figure 1. Oregon coastal ports

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

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

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

The trends portrayed in Table 3A (Annual Landings, 1990-99) 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:					
Anchovy, northern	<i>Engraulis mordax</i>	Sculpin, buffalo	<i>Enophrys bison</i>	Wrymouth, giant	<i>Cryptacanthodes giganteus</i>
Cabezon	<i>Scorpaenichthys marmoratus</i>	Sculpin, other sp.	Family Cottidae	CRUSTACEANS:	
Carp	<i>Cyprinus carpio</i>	Shad, American	<i>Alosa sapidissima</i>	Barnacle, gooseneck	<i>Mitella polymerus</i>
Cod, Pacific	<i>Gadus macrocephalus</i>	Shark,		Crab,	
Dace, speckled	<i>Rhinichthys osculus</i>	blue	<i>Prionace glauca</i>	box	<i>Lopholithodes foraminatus</i>
Dolphinfish	<i>Coryphaena hippurus</i>	Pacific sleeper	<i>Somniosus pacificus</i>	Dungeness	<i>Cancer magister</i>
Flounder,		shortfin mako	<i>Isurus oxyrinchus</i>	hermit	<i>Paguridea</i> sp.
arrowtooth	<i>Atheresthes stomias</i>	sixgill	<i>Hexanchus griseus</i>	kelp	<i>Pugettia producta</i>
starry	<i>Platichthys stellatus</i>	soupin	<i>Galeorhinus zyopterus</i>	rock	<i>Cancer productus</i>
Greenling sp.	<i>Hexagrammos</i> sp.	spiny dogfish	<i>Squalus acanthias</i>	scarlet king	<i>Lithodes couesi</i>
Grenadier	Family Macrouridae	thresher	<i>Alopias vulpinus</i>	Tanner	<i>Chionoecetes</i> sp.
Hagfish sp	<i>Eptatretus</i> sp.	Shiner, reaside	<i>Richardsonius balteatus</i>	Crayfish	<i>Pacifastacus</i> sp.
Halibut, California	<i>Paralichthys californicus</i>	Skates and Rays	Families Rajidae,	Shrimp,	
Halibut, Pacific	<i>Hippoglossus stenolepis</i>		Torpedinidae, Myliobatidae	brine	<i>Artemia salina</i>
Herring, Pacific	<i>Clupea pallasii</i>	Skilfish	<i>Erelepis zonifer</i>	coonstripe	<i>Pandalus hypsinotus</i>
Lamprey, Pacific	<i>Lampetra tridentata</i>	Smelt (euchalon)	<i>Thaleichthys pacificus</i>	ghost (sand)	<i>Callinassa californiensis</i>
Lingcod	<i>Ophiodon elongatus</i>	Smelt, surf	<i>Hypomesus pretiosus</i>	mud	<i>Upogebia pugettensis</i>
Lord, brown Irish	<i>Hemilepidotus spinosus</i>	Smelt, other sp	Family Osmeridae	pink	<i>Pandalus jordani</i>
Lord, red Irish	<i>Hemilepidotus hemilepidotus</i>	Snailfish, blacktail	<i>Careproctus melanurus</i>	sidestripe	<i>Pandalopsis dispar</i>
Louvar	<i>Luvarus imperialis</i>	Sole,		spot	<i>Pandalus platyceros</i>
Mackerel	Families Carangidae,	butter	<i>Pleuronectes isolepis</i>	MOLLUSKS:	
	Scombridae	curfin	<i>Pleuronichthys decurrens</i>	Clam,	
Mackerel, jack	<i>Trachinotus symmetricus</i>	Dover	<i>Microstomus pacificus</i>	butter	<i>Saxidomus giganteus</i>
Mackerel, Pacific (chub)	<i>Scomber japonicus</i>	English	<i>Pleuronectes vetulus</i>	cockle	<i>Clinocardium nuttallii</i>
Marlin, striped	<i>Tetrapturus audax</i>	flathead	<i>Hippoglossoides elassodon</i>	gaper	<i>Tresus capax</i>
Minnow, fathead	<i>Pimephales promelas</i>	petrale	<i>Eopsetta jordani</i>	littleneck	<i>Protothaca staminea</i>
Opah	<i>Lampris guttatus</i>	rex	<i>Errex zachirus</i>	razor	<i>Siliqua patula</i>
Pikeminnow, northern	<i>Ptychocheilus oregonensis</i>	rock	<i>Pleuronectes bilineatus</i>	softshell	<i>Mya arenaria</i>
Pollock, walleye	<i>Theragra chalcogramma</i>	sand	<i>Psetichthys melanostictus</i>	Mussel, freshwater	Families Corbiculidae and
Pomfret, Pacific	<i>Brama japonica</i>	slender	<i>Eopsetta exilis</i>		Unionidae
Prickleback spp	Family Stichaeidae	Steelhead	<i>Oncorhynchus mykiss</i>	Mussel, ocean	<i>Mytilus</i> sp.
Prowfish	<i>Zaprora silenus</i>	Sturgeon,		Octopus	<i>Octopus</i> sp.
Ragfish	<i>Icosteus aenigmaticus</i>	green	<i>Acipenser medirostris</i>	Oyster,	
Ratfish	<i>Hydrolagus colliei</i>	white	<i>Acipenser transmontanus</i>	Kumomoto	<i>Crassostrea gigas</i> var.
Rockfish,		Sucker, bridgelip	<i>Catostomus columbianus</i>	native	<i>Ostrea lurida</i>
black	<i>Sebastes melanops</i>	Sucker, largescale	<i>Catostomus macrocheilus</i>	Pacific	<i>Crassostrea gigas</i>
canary	<i>Sebastes pinniger</i>	Sunfish, ocean	<i>Mola mola</i>	Scallop, rock	<i>Crassedoma giganteum</i>
other sp.	<i>Sebastes</i> sp.	Surfperch sp	Family Embiotocidae	Scallop, weathervane	<i>Patinopectin caurinus</i>
Pacific Ocean perch	<i>Sebastes alutus</i>	Swordfish	<i>Xiphias gladius</i>	Squid	<i>Loligo opalescens</i>
widow	<i>Sebastes entomelas</i>	Thornyhead, longspine	<i>Sebastolobus ativelis</i>	OTHER INVERTEBRATES:	
yellowtail	<i>Sebastes flavidus</i>	Thornyhead, shortspine	<i>Sebastolobus alascanus</i>	Sand dollar	<i>Dendraster excentricus</i>
Sablefish	<i>Anoplopoma fimbria</i>	Tuna,		Sea cucumber	<i>Cucumaria</i> and
Salmon,		albacore	<i>Thunnus alalunga</i>		<i>Parastichopus</i> sp.
chinook	<i>Oncorhynchus tshawytscha</i>	bluefin	<i>Thunnus thynnus</i>	Urchin, purple sea	<i>Strongylocentrotus purpuratus</i>
chum	<i>Oncorhynchus keta</i>	skipjack	<i>Euthynnus</i> sp.	Urchin, red sea	<i>Strongylocentrotus</i>
coho	<i>Oncorhynchus kisutch</i>	yellowfin	<i>Thunnus albacares</i>		<i>fanciscanus</i>
pink	<i>Oncorhynchus gorboscha</i>	other sp.	Family Scombridae		
sockeye	<i>Oncorhynchus nerka</i>	Wahoo	<i>Acanthocybrium solanderi</i>		
Sanddab, Pacific	<i>Citharichthys sordidus</i>	Walleye	<i>Stizostedion vitreum</i>		
Sardine, Pacific	<i>Sardinops sagax</i>	Whiting, Pacific (hake)	<i>Merluccius productus</i>		
		Wolf-eel	<i>Anarrhichthys ocellatus</i>		

Table 2. Type and number of commercial fishing licenses and permits issued, 1990-99

Type	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Albacore tuna landing.....	46	32	91	120	101	129	209	197	140	125
Bait Fishing.....	118	108	96	70	56	74	47	47	51	45
Boat.....	3,388	2,959	—	—	—	—	—	—	—	—
Resident 1/.....	—	—	2,263	2,037	1,897	1,805	1,659	1,542	1,437	1,363
Non-resident 1/.....	—	—	653	520	443	414	372	351	348	353
Crew fishing 2/.....	—	—	—	—	229	348	450	472	452	475
Individual fishing.....	6,050	5,592	—	—	—	—	—	—	—	—
Resident 1/.....	—	—	3,643	3,308	2,839	2,740	2,440	2,220	2,070	2054
Non-resident 1/.....	—	—	609	527	393	392	378	302	302	291
Juvenile fishing.....	184	148	94	70	62	100	73	72	69	82
Single Delivery.....	77	103	174	184	105	67	40	36	14	38
Crab permit 3/.....	—	—	—	—	—	444	461	459	455	450
Gillnet permit.....	355	354	350	344	336	330	327	325	323	324
Scallop permit.....	100	88	62	60	93	77	64	56	47	45
Shrimp permit.....	208	203	199	197	195	195	189	188	187	187
Troll permit.....	2,528	2,048	2,112	1,821	1,572	1,469	1,377	1,295	1,201	1,115
Sea urchin permit.....	72	60	49	46	43	39	39	33	34	30
Bait dealers:										
Reporting.....	55	63	58	51	49	47	37	38	40	51
Non-reporting.....	28	29	26	23	21	21	19	19	15	18
Buyer.....	141	127	85	65	53	44	51	50	42	55
Canner, fish.....	8	9	9	7	8	6	8	6	5	6
Canner, shellfish.....	2	1	1	0	0	1	1	1	0	0
Limited fish seller.....	85	65	86	111	119	97	107	114	160	136
Wholesale fish dealer:										
Reporting.....	170	160	124	113	102	109	99	93	86	98
Non-reporting.....	32	33	21	12	12	16	16	11	9	10
Private hatchery.....	4	4	0	1	1	1	1	1	1	0
Boat, lost license.....	29	22	11	12	10	10	10	15	25	11
Indiv. fishing, lost license.....	47	37	37	30	24	37	20	23	24	20
Permit fisheries, lost permit..	22	11	10	6	4	9	11	19	29	18
TOTAL	13,749	12,256	10,863	9,735	8,767	9,021	8,505	7,985	7,566	7,400

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

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1990-1999.

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FISH:										
Anchovy, northern.....	0	0	0	2	2000	485	0	0	25	0
Cabezon.....	11383	18339	15941	3226	15495	12686	12590	46179	59300	58325
Carp.....	0	0	218	0	0	7488	0	0	0	0
Cod, Pacific.....	510279	1134083	917172	1084073	376053	177067	185068	115644	173076	82995
Dace, speckled.....	0	74	66	0	0	0	0	0	0	0
Dolphinfish.....	0	0	0	0	0	26	0	180	0	0
Flounder, arrowtooth..	4000879	4604857	4543936	3657146	3793635	3115812	2465395	2561594	3506589	5021558
Flounder, starry.....	237846	718486	156589	164210	138466	81747	58972	118472	115310	48028
Greenling sp.....	7	50	35	183	399	84	1466	23305	21681	54279
Grenadier.....	191831	254024	310459	817038	879490	1050256	936982	665289	614025	273292
Hagfish sp.....	167453	274535	751281	332779	5370	2166	38297	24172	19611	667550
Halibut, California...	0	0	16	0	70	104	390	522	170	99
Halibut, Pacific.....	622233	544446	711874	662687	539997	542916	310372	376592	236566	350389
Herring, Pacific - roe	0	0	0	0	0	0	0	6168	0	0
Herring, Pacific.....	475634	430494	437200	168353	16359	137923	171947	179855	326879	71855
Lamprey, Pacific.....	14203	32221	9089	17858	14260	21897	31264	34242	28218	29449
Lingcod.....	1927617	3277413	1568033	1840715	1898239	1422443	1570067	1689232	354314	381485
Lord, brown Irish.....	1	8	0	2	10	0	14	0	0	0
Lord, red Irish.....	35	11	2	12	53	56	4	64	123	63
Louvar.....	0	0	0	0	0	0	50	149	455	184
Mackerel, Pacific.....	22679	43590	1716941	1226850	1002140	744588	703599	4374062	2694693	1664906
Marlin, striped.....	0	73	0	0	0	0	0	98	0	0
Minnnow, fathead.....	0	7	69	405	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	62	147	1131	363
Pikeminnow, northern..	0	36	32	0	0	0	0	0	0	0
Pollock, walleye.....	31	340	120	455	33	91	0	0	2	157
Pomfret, Pacific.....	0	0	0	0	0	0	0	178	6	0
Prickleback spp.....	0	0	0	0	0	4	0	0	0	0
Prowfish.....	0	0	0	0	0	0	0	0	11	392

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1990-1999. (CONT.)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Ragfish.....	0	0	0	0	0	0	0	37	405	72
Ratfish.....	24	167	253	98	11	94	0	11	2	17
Pacific Ocean perch...	1084209	1653609	1186075	1564342	1213593	1015667	1060192	881818	887429	686039
Nominal POP.....	2991281	3428857	1980933	4410081	3256920	1819758	1651746	1782834	1470855	741304
Rockfish, black.....	1/	1/	1/	1/	208238	220191	309746	398630	435486	281257
Rockfish, canary.....	1/	1/	1/	1/	2/	1166171	1676354	1541928	1786477	933655
Rockfish, widow.....	12226558	9664121	11011727	14723070	9728256	8566311	8372794	11109047	6474241	6640382
Rockfish, yellowtail..	4011601	3857810	8374166	6251541	6875837	6743150	7834529	2785108	3792788	3547469
Rockfish, other sp....	7134485 1/	10053489 1/	8578115 1/	8906024 1/	5009014 2/	2547151	2461809	2160170	2132872	1301649
Thornyhead sp.....	9980977 3/	7718124 3/	9438100 3/	9833358 3/	8915929 3/	0	0	0	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	5781259	4835143	4011309	2130156	1633983
Thornyhead, shortspine	3/	3/	3/	3/	3/	1561082	1337699	1118880	1084964	707157
Sablefish.....	8230977	8667954	8726275	8660394	9037720	6980400	7065064	6542958	3888688	6590711
Salmon, chinook.....	4202223	1795378	1676951	1490396	720759	2602364	2612462	2083598	1777258	1083480
Salmon, chum.....	3909	1298	2786	256	186	102	60	250	111	108
Salmon, coho.....	1041908	3421096	446454	207671	488886	190518	216444	150724	193806	473866
Salmon, pink.....	0	8786	19	33	0	420	0	145	6	248
Salmon, sockeye.....	0	0	11	0	0	0	0	0	0	0
Sanddab, Pacific.....	429616	690675	646542	622151	1139676	1503718	229009	531909	291978	602442
Sardine, Pacific.....	0	0	8568	517	44	0	10	94	2220	1709686
Sculpin, buffalo.....	8	4	2	2	1	0	4	3	7	39
Sculpin, other sp.....	0	8	0	28	98	101	32	0	8	15
Shad, American.....	497513	141094	429634	423729	259468	348530	337384	149099	197215	202894
Shark, blue.....	56	97	125	356	137	868	1267	961	4692	529
Shark, Pacific sleeper	0	0	0	0	0	164	1757	0	0	1075
Shark, shortfin mako..	0	0	0	0	0	0	279	879	1968	545
Shark, sixgill.....	118	300	13	111	150	0	115	300	319	102
Shark, soupfin.....	3709	4719	4588	4123	2767	2306	5463	3781	3171	1660
Shark, spiny dogfish..	15611	145405	121575	76843	152838	110742	27053	14517	344998	195984
Shark, thresher.....	655	0	1306	629	0	1302	294	193	346	2808

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TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1990-1999. (CONT.)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Shark, other sp.....	92	40	0	527	77	1140	148	154	497	0
Shiner, redbside.....	0	193	154	0	0	564	0	0	0	0
Skates and rays.....	2112	6352	3244	3464	18058	261687	1245286	1934463	523279	1300988
Skilfish.....	0	0	147	0	0	0	0	0	32	0
Smelt (eulachon).....	1068	1580	2644	27122	210	6816	7094	27059	7081	12759
Smelt, surf.....	0	188	0	0	0	0	0	0	0	0
Smelt, other sp.....	40	400	1627	336	2150	406	222	115	500	0
Snailfish, blacktail..	0	0	0	44	38	4	0	0	0	3
Sole, butter.....	0	817	167	255	1936	58	0	5811	7879	1053
Sole, curlfin (turbot)	574	2507	848	3003	5928	2506	4599	5781	5530	5835
Sole, Dover.....	16553757	19428977	13399167	14293885	8533771	7793874	10334613	8742456	8376815	9950464
Sole, English.....	1122209	1864935	1383963	1583218	789608	689004	860721	1214554	1047200	768843
Sole, flathead.....	17111	6288	18096	11697	7648	5946	10507	6005	6524	6570
Sole, petrale.....	1639907	2054029	1699928	1708468	1357412	1756061	1588255	1776714	1503352	1486914
Sole, rex.....	500134	948308	730812	603366	483734	470253	665632	682082	641078	621600
Sole, rock.....	5018	3913	724	4218	8417	2070	11724	28740	12527	9705
Sole, sand.....	467730	634274	388724	465958	411275	175611	160370	191305	106239	174611
Sole, slender.....	0	0	0	0	0	40	0	0	0	0
Steelhead.....	163502	117564	237716	149371	75282	68572	13473	9831	7065	2678
Sturgeon, green.....	9528	27495	22357	23260	6940	6358	16874	45818	23315	20055
Sturgeon, white.....	184308	111602	152017	188783	142025	134052	171648	311830	287160	224462
Sturgeon, white - roe	0	0	10	66	61	0	40	6	0	0
Sucker, bridgelip....	0	139	331	0	0	0	0	0	0	0
Sucker, largescale....	0	0	14	0	0	0	0	0	0	0
Sunfish, ocean.....	0	0	0	0	21	0	18	0	0	0
Surfperch sp.....	4953	2201	3596	1676	1298	2471	3428	2148	3319	727
Swordfish.....	0	0	0	0	0	8018	51352	18456	112846	18549
Tuna, albacore.....	2079312	1258818	3895618	4754450	4698223	5033810	8948355	9167738	10603155	4552878
Tuna, other.....	0	0	0	0	0	1370	981	2254	5920	13476
Wahoo.....	0	0	0	0	0	0	0	216	0	0

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TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1990-1999. (CONT.)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Walleye.....	1268	1806	2984	2812	2215	5214	2164	0	16	26
Whiting, Pac. (hake)..	5058341	29108721	107939472	78969791	143563263	147354856	155587811	162781511	157894788	160964721
Wolf-eel.....	2994	1963	1507	595	3023	3598	3791	3602	4803	3400
Wrymouth, giant.....	142	355	389	268	503	806	1399	1303	1430	1072
CRUSTACEANS:										
Barnacle, gooseneck...	12	25	0	0	0	0	0	0	0	0
Crab, box.....	8586	10460	620	832	3449	814	3646	67224	333	115
Crab, Dungeness, bay..	62065	85554	97183	55341	98940	38001	8545	1625	24439	35177
Crab, Dungeness, ocean	9447752	4838017	11810919	10400813	10539413	11915767	19293218	7775376	7385771	12311958
Crab, hermit.....	21	17	0	30	2	37	0	0	0	14
Crab, kelp.....	0	0	8	461	24	15	2	0	0	3
Crab, rock.....	4571	5302	287	285	3683	3113	4930	1662	2083	536
Crab, scarlet king....	0	0	0	0	0	0	0	0	95	0
Crab, Tanner.....	0	9	9	2	6640	139169	35	1156	0	0
Crab, other.....	0	0	0	0	0	0	0	0	0	1
Crayfish.....	169909	124034	93058	57426	61631	68864	46951	52964	58573	69706
Shrimp, brine.....	39300	28500	43700	43200	41000	42250	0	5000	10200	33800
Shrimp, coonstripe....	0	44	0	0	0	1223	1513	619	979	1217
Shrimp, ghost.....	72778	99327	100399	72262	65119	66774	50136	38309	36713	40345
Shrimp, mud.....	51911	56022	51141	48300	25447	28188	18837	21669	23205	16436
Shrimp, pink.....	31882770	21711413	48033256	26923125	16386022	12105862	15726666	19559785	6095740	20451242
Shrimp, sidestripe....	0	0	0	0	23	0	23	0	2	0
Shrimp, spot.....	0	0	0	40212	65019	16699	7931	86510	137679	22211
MOLLUSKS:										
Clams, butter.....	4604	3546	983	6382	1961	7852	1389	13060	30434	38172
Clams, cockle.....	45607	56129	37484	71907	163295	96622	57600	48210	17047	39335
Clams, gaper.....	10391	8660	9351	5464	2146	12677	3459	4283	2568	8316
Clams, littleneck....	7521	9446	10280	36632	6084	9135	4497	9389	5899	2929
Clams, razor.....	13474	28580	0	62	19116	58830	2901	2066	2526	483
Clams, softshell.....	4633	8592	6237	7312	7448	106	191	739	798	47

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1990-1999. (CONT.)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Mussels, ocean.....	44445	31931	22472	22934	20009	25702	2756	1919	1702	1825
Mussels, freshwater...	9946	4991	22715	2333	13999	0	0	0	0	0
Octopus.....	17022	14844	20169	30349	9507	5469	16049	42236	10081	8129
Scallops, rock.....	24	0	29	0	126	20	0	0	23	3
Scallops, weathervane	1781	1021	1944	286194	153855	976	0	9773	49124	0
Snails & chitons.....	0	14	0	14	92	23	27	679	33	31
Squid.....	0	95	13344	130646	233003	246406	229323	271246	19431	2471
OTHER INVERTEBRATES:										
Sand dollars.....	0	3	0	0	82	0	0	0	0	0
Sea anemone.....	0	32	0	0	0	131	0	0	263	10
Sea cucumber.....	0	1	0	5148	10534	0	0	7268	0	7
Sea stars.....	0	55	0	1290	3096	1770	1467	1545	880	921
Sea urchin, purple....	0	0	96883	34235	197109	42359	675	310	1011	0
Sea urchin, red.....	9320868	4736872	2857392	2183266	1789598	1495313	819483	490087	344714	248283
Sea urchins, other sp	0	10	0	100	0	0	0	0	0	0
	139071640	150033089	256989410	210414937	245733185	238695540	262516003	260959988	230499347	249519657

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.

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1990-1999.

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FISH:										
Anchovy, northern.....	0	0	0	0	200	485	0	0	0	0
Cabezon.....	4735	9435	7655	2055	5336	5196	5574	37359	66050	99196
Carp.....	0	0	20	0	0	750	0	0	0	0
Cod, Pacific.....	130825	341619	306304	354692	128679	69006	73775	45335	82969	37198
Dace, speckled.....	0	148	68	0	0	0	0	0	0	0
Dolphinfish.....	0	0	0	0	0	21	0	218	0	0
Flounder, arrowtooth..	413558	527421	480458	357553	367575	347131	249498	251493	356983	482943
Flounder, starry.....	69209	210693	49744	48873	44459	26105	18989	36460	44232	17786
Greenling sp.....	4	166	31	426	942	99	468	43309	51731	180519
Grenadier.....	21535	20790	23232	91544	111946	150124	103174	65183	84079	26788
Hagfish sp.....	49434	69952	167523	80786	1343	193	10253	9669	4388	164862
Halibut, California...	0	0	44	0	74	175	641	723	197	77
Halibut, Pacific.....	915808	1021787	827775	862125	1014736	941051	703703	695496	323489	592201
Herring, Pacific - roe	0	0	0	0	0	0	0	6168	0	0
Herring, Pacific.....	261308	172610	142710	42925	3112	90205	127965	72866	6538	1064
Lamprey, Pacific.....	3562	9017	2381	4028	4561	21760	28405	29140	28610	31113
Lingcod.....	652219	1083430	579369	671000	757249	612345	689153	788189	251433	289997
Lord, brown Irish.....	1	4	0	24	20	0	32	0	0	0
Lord, red Irish.....	14	3	15	149	314	225	9	125	255	182
Louvar.....	0	0	0	0	0	0	93	492	959	324
Mackerel, Pacific.....	3694	2598	956	3518	17356	10757	11492	3037	23711	4827
Marlin, striped.....	0	310	0	0	0	0	0	0	0	0
Minnow, fathead.....	0	1	11	286	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	22	240	884	265
Pikeminnow, northern..	0	72	52	0	0	0	0	0	0	0
Pollock, walleye.....	3	47	24	148	4	19	0	0	1	0
Prickleback spp.....	0	0	0	0	0	16	0	0	0	0
Prowfish.....	0	0	0	0	0	0	0	0	3	0
Ragfish.....	0	0	0	0	0	0	0	19	0	24

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1990-1999. (CONT).

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Ratfish.....	7	83	22	5	55	0	0	0	0	18
Pacific Ocean perch...	293148	497651	361251	480084	406412	363648	356427	285267	345029	261760
Nominal POP.....	763234	997904	526718	1139451	829951	468376	406960	443868	424937	225580
Rockfish, black.....	1/	1/	1/	1/	88888	118025	153671	206172	203956	165851
Rockfish, canary.....	1/	1/	1/	1/	2/	533736	734077	768266	966833	517022
Rockfish, widow.....	3162354	2619408	2873690	3952699	3031563	2797607	2549938	3290780	2259979	2488111
Rockfish, yellowtail..	1103934	1164470	2608814	1953664	2330511	2470770	2690158	1011504	1424226	1367643
Rockfish, other sp....	2177787 1/	3290452 1/	2892963 1/	3083577 1/	1879158 2/	1137441	1032307	969342	1058898	904863
Thornyhead sp.....	3867991 3/	3518127 3/	4094329 3/	4380911 3/	6328414 3/	0	0	0	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	5533646	3933963	2896321	1279569	1158654
Thornyhead, shortspine	3/	3/	3/	3/	3/	1736977	1357043	934793	796807	635425
Sablefish.....	3587209	5228787	5712658	4753287	7757008	9270421	9867602	10404773	4647964	7765044
Salmon, chinook.....	8067575	2930856	3120564	2177299	1019364	3432380	3152334	2659115	2466533	1644858
Salmon, chum.....	2745	560	684	135	48	44	8	69	21	34
Salmon, coho.....	1381662	2824793	410281	171954	403594	120333	132961	110365	121913	396262
Salmon, pink.....	0	4062	14	18	0	206	0	69	3	140
Salmon, sockeye.....	0	0	7	0	0	0	0	0	0	0
Sanddab, Pacific.....	121140	217731	182641	183998	330543	410065	66195	138865	52777	137979
Sardine, Pacific.....	0	0	0	0	0	0	0	0	775	85888
Sculpin, buffalo.....	1	5	5	3	4	0	9	6	12	19
Sculpin, other sp.....	0	1	0	75	206	405	32	0	32	23
Shad, American.....	87987	30758	76704	66728	48403	86839	54274	12960	18939	22017
Shark, blue.....	56	97	86	117	86	179	417	207	5523	49
Shark, Pacific sleeper	0	0	0	0	0	0	32	0	0	667
Shark, shortfin mako..	0	0	0	0	0	0	349	1564	2674	788
Shark, sixgill.....	89	150	7	52	75	0	69	11	176	33
Shark, soupfin.....	2716	3129	3657	2252	1728	1436	4627	2514	2058	947
Shark, spiny dogfish..	2032	18562	4712	7229	11996	11448	2288	1364	30878	15225
Shark, thresher.....	541	0	1068	445	0	1572	223	193	112	3033
Shark, other sp.....	187	31	0	724	20	532	128	135	309	0

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1990-1999. (CONT).

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Shiner, redbside.....	0	579	256	0	0	2611	0	0	0	0
Skates and rays.....	638	2026	549	820	4354	59261	226114	332602	91132	146959
Skilfish.....	0	0	147	0	0	0	0	0	88	0
Smelt (eulachon).....	854	1054	2270	6565	223	5583	8439	63668	18489	51279
Smelt, surf.....	0	56	0	0	0	0	0	0	0	0
Smelt, other sp.....	20	80	406	128	215	196	74	27	125	0
Snailfish, blacktail..	0	0	0	0	0	18	0	0	0	0
Sole, butter.....	0	273	3	12	628	17	0	2247	2833	284
Sole, curlfin (turbot)	172	775	266	925	1717	847	1528	1959	1736	1872
Sole, Dover.....	4531282	5974060	3739372	3879857	2535198	2599106	3273458	2642958	2877296	3258294
Sole, English.....	350404	619454	429459	472655	250434	243830	292116	379663	353011	240988
Sole, flathead.....	5134	1923	4921	3540	2518	1982	3184	1909	2381	2219
Sole, petrale.....	1358331	1688778	1358558	1307286	1108181	1701036	1538980	1645868	1421437	1419491
Sole, rex.....	159212	303914	219884	176327	145360	161487	214544	205221	212176	205135
Sole, rock.....	1510	1205	254	1501	2658	714	3706	11924	4434	3237
Sole, sand.....	347112	473235	278892	328726	303179	132801	119361	140399	78262	132104
Steelhead.....	132840	71958	155989	76756	36854	21685	3917	3217	2236	1515
Sturgeon, green.....	6831	17542	10989	13432	4944	3435	9587	20472	7097	5994
Sturgeon, white.....	376839	219431	270484	258634	188399	235401	243237	336373	329119	303473
Sturgeon, white - roe	0	0	800	1052	745	0	565	132	0	0
Sucker, bridgelip....	0	139	228	0	0	0	0	0	0	0
Sucker, largescale....	0	0	7	0	0	0	0	0	0	0
Sunfish, ocean.....	0	0	0	0	0	0	54	0	0	0
Surfperch sp.....	3540	1748	3529	2458	1819	2226	4788	2260	4773	849
Swordfish.....	0	0	0	0	0	23503	119451	47402	258760	46956
Tuna, albacore.....	1669607	975651	3968744	3881329	3749692	3749889	7429611	6541647	6240065	3783567
Tuna, other.....	0	0	0	0	0	746	1156	4164	15480	38316
Wahoo.....	0	0	0	0	0	0	0	216	0	0
Walleye.....	1223	1362	2269	2164	1857	4396	1636	0	16	26
Whiting, Pac. (hake)..	219501	1396758	5067451	2278648	4288503	7000346	4146641	6822679	3756485	5917482

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1990-1999. (CONT).

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Wolf-eel.....	946	535	689	339	930	1891	1050	1062	2222	1867
Wrymouth, giant.....	19	114	83	20	141	257	185	177	236	203
CRUSTACEANS:										
Barnacle, gooseneck...	7	19	0	0	0	0	0	0	0	0
Crab, box.....	5120	6235	603	604	2723	264	586	50842	140	285
Crab, Dungeness, bay..	113577	138176	136975	89416	174735	65485	17409	3789	55420	64485
Crab, Dungeness, ocean	14441256	7324158	13250824	11708787	14288194	19979244	26162777	14633023	12464405	22843726
Crab, hermit.....	11	9	0	76	4	53	0	0	0	40
Crab, kelp.....	0	0	16	417	19	15	6	0	0	3
Crab, rock.....	4643	4907	204	204	2723	3009	4822	1615	1556	536
Crab, scarlet king....	0	0	0	0	0	0	0	0	95	0
Crab, Tanner.....	0	9	9	4	6824	184900	0	655	0	0
Crab, other.....	0	0	0	0	0	0	0	0	0	1
Crayfish.....	211411	149464	107171	66761	71627	77947	59231	80349	87849	109740
Shrimp, brine.....	62520	51300	37145	36720	34851	35913	0	5000	10200	33800
Shrimp, coonstripe....	0	111	0	0	0	3579	3232	2168	2871	3756
Shrimp, ghost.....	98412	150903	132328	89293	76809	84185	72856	58183	57999	70516
Shrimp, mud.....	86745	91671	65308	61321	32073	35470	24561	29389	31180	22258
Shrimp, pink.....	15628757	12069476	17186998	8911606	9626445	8599422	9361576	7910567	3189239	9570883
Shrimp, sidestripe....	0	0	0	0	91	0	69	0	3	0
Shrimp, spot.....	0	0	0	92642	166653	47394	22600	277894	551972	101946
MOLLUSKS:										
Clams, butter.....	1313	1722	1116	3003	627	2730	422	4434	9249	12402
Clams, cockle.....	24504	27644	17232	34671	64837	34922	19452	17291	6373	15180
Clams, gaper.....	4083	2993	5339	2682	1197	6031	1550	1283	798	6227
Clams, littleneck....	11775	16285	16409	55556	10997	15609	7483	15679	10760	5093
Clams, razor.....	39487	73112	0	142	28307	114890	6585	7138	7249	1299
Clams, softshell.....	3377	8564	4491	4788	4563	636	990	370	355	34
Mussels, ocean.....	14388	6925	5848	7583	5364	8989	1287	1101	933	1499

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1990-1999. (CONT).

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Mussels, freshwater...	2885	1447	15647	817	4900	0	0	0	0	0
Octopus.....	11532	10398	21478	24140	6633	11224	14181	25480	6427	5353
Scallops, rock.....	1	0	203	0	88	10	0	0	6	4
Scallops, weathervane	767	413	1415	131468	67953	320	0	5123	17364	0
Snails & chitons.....	0	2	0	28	0	38	0	534	8	70
Squid.....	0	29	1607	31242	35676	41483	36898	49466	3635	1
OTHER INVERTEBRATES:										
Sand dollars.....	0	1	0	0	41	0	0	0	0	0
Sea anemone.....	0	1	0	0	0	309	0	0	334	47
Sea cucumber.....	0	1	0	6645	21068	0	0	6998	0	2
Sea stars.....	0	2	0	2509	3552	2933	1329	1545	880	1042
Sea urchin, purple....	0	0	65849	20808	105248	21186	68	106	412	0
Sea urchin, red.....	4413286	3455874	2212906	1909015	1373040	1205180	431405	263648	152175	138867
Sea urchins, other sp	0	1	0	100	0	0	0	0	0	0
TOTAL	71494176	62162222	74262867	60861061	65772344	77308383	82414095	68885960	49787221	68298504

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.

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1999.

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	0	681	1117	3876	1114	0	0	383	8	32683	13098	5365	0	58325
Cod, Pacific.....	0	80271	0	0	0	1255	0	0	1461	0	0	0	8	0	82995
Flounder, arrowtooth..	0	4089084	2168	0	0	428317	0	0	472019	0	219	0	29751	0	5021558
Flounder, starry.....	0	26251	2901	0	0	5949	404	0	12508	0	0	0	15	0	48028
Greenling sp.....	0	0	7	245	0	0	0	0	20	8	35673	17317	1009	0	54279
Grenadier.....	0	26721	0	0	0	27612	0	0	174048	0	18	0	44893	0	273292
Hagfish sp.....	0	0	0	0	0	0	0	12862	654688	0	0	0	0	0	667550
Halibut, California...	0	0	0	0	0	22	0	0	77	0	0	0	0	0	99
Halibut, Pacific.....	0	206052	21984	101	3214	71896	9369	1053	15490	37	14392	0	6801	0	350389
Herring, Pacific.....	0	68938	0	0	0	1417	0	1500	0	0	0	0	0	0	71855
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	29449	29449
Lingcod.....	0	100960	6931	6078	1288	83168	1515	1209	84052	986	45370	12419	37509	0	381485
Lord, red Irish.....	0	0	2	0	0	4	0	0	0	0	39	10	8	0	63
Louvar.....	0	137	0	0	0	47	0	0	0	0	0	0	0	0	184
Mackerel, jack.....	0	524248	0	0	0	539580	0	0	29921	0	0	0	0	0	1093749
Mackerel, Pacific.....	0	457460	0	0	0	103641	0	0	9181	0	0	0	875	0	571157
Opah.....	0	363	0	0	0	0	0	0	0	0	0	0	0	0	363
Pollock, walleye.....	0	55	0	0	0	102	0	0	0	0	0	0	0	0	157
Prowfish.....	0	0	0	0	0	392	0	0	0	0	0	0	0	0	392
Ragfish.....	0	72	0	0	0	0	0	0	0	0	0	0	0	0	72
Ratfish.....	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Pacific Ocean perch...	0	484492	2	0	0	184992	0	0	16228	0	325	0	0	0	686039
Nominal POP.....	0	146929	3944	0	0	324733	1280	0	218231	0	8117	12	38058	0	741304
Rockfish, black.....	0	7257	22615	55882	1125	323	8	0	2142	240	141348	19500	30817	0	281257
Rockfish, canary.....	0	289699	2553	1587	377	305699	1865	158	195304	388	73354	3081	59590	0	933655
Rockfish, widow.....	0	2596216	195	0	0	2710438	65	0	933361	0	5020	174	394913	0	6640382
Rockfish, yellowtail..	0	2392742	7457	382	153	604798	2837	126	383821	23	31562	908	122660	0	3547469

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TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1999. (CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER				PORT	GOLD		OTHER 2/	TOTAL
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS	LOCATIONS	
Rockfish, other sp....	0	543456	1665	747	2802	196116	7235	2292	336328	2451	111765	36002	60790	0	1301649
Thornyhead, longspine	0	560458	0	0	0	270238	0	0	611050	0	0	0	192237	0	1633983
Thornyhead, shortspine	0	249325	0	0	0	186308	0	0	194604	0	0	0	76920	0	707157
Sablefish.....	0	2095697	3727	0	245	1959393	253476	87026	1414349	0	359148	64	417586	0	6590711
Salmon, chinook.....	244156	20607	36362	1145	82	224527	37136	58145	346656	22869	68509	3081	20205	0	1083480
Salmon, chum.....	87	0	0	0	0	0	21	0	0	0	0	0	0	0	108
Salmon, coho.....	472871	995	0	0	0	0	0	0	0	0	0	0	0	0	473866
Salmon, pink.....	0	4	21	0	0	45	8	92	70	8	0	0	0	0	248
Sanddab, Pacific.....	0	18204	4356	0	0	12377	37374	0	522510	0	0	0	7621	0	602442
Sardine, Pacific.....	0	1699784	0	0	0	9502	0	400	0	0	0	0	0	0	1709686
Sculpin, buffalo.....	0	0	0	0	0	3	0	0	0	0	6	0	30	0	39
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	0	15	0	0	0	15
Shad, American.....	104786	94437	0	0	0	479	0	0	3192	0	0	0	0	0	202894
Shark, blue.....	0	35	0	0	0	263	0	0	181	0	50	0	0	0	529
Shark, Pacific sleeper	0	0	0	0	0	1075	0	0	0	0	0	0	0	0	1075
Shark, shortfin mako..	0	151	0	0	0	328	0	0	66	0	0	0	0	0	545
Shark, sixgill.....	0	16	0	0	0	60	0	0	26	0	0	0	0	0	102
Shark, soupfin.....	0	493	0	0	0	798	0	0	236	0	33	0	100	0	1660
Shark, spiny dogfish..	0	166039	13	0	0	29668	0	0	264	0	0	0	0	0	195984
Shark, thresher.....	0	2606	0	0	0	184	0	0	18	0	0	0	0	0	2808
Skates and rays.....	0	287668	824	0	0	307466	96	0	579176	0	0	9	125749	0	1300988
Smelt (eulachon).....	12759	0	0	0	0	0	0	0	0	0	0	0	0	0	12759
Snailfish, blacktail..	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Sole, butter.....	0	237	0	0	0	0	0	0	816	0	0	0	0	0	1053
Sole, curlfin (turbot)	0	783	175	0	0	2715	0	0	1960	0	65	0	137	0	5835
Sole, Dover.....	0	4153585	52897	0	0	1617134	6450	0	3246620	0	79	0	873699	0	9950464
Sole, English.....	0	273837	2406	0	0	114297	2801	0	324523	0	0	0	50979	0	768843
Sole, flathead.....	0	6570	0	0	0	0	0	0	0	0	0	0	0	0	6570
Sole, petrale.....	0	461143	14200	0	0	291838	3921	0	617437	0	101	0	98274	0	1486914

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1999. (CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD		OTHER 2/	TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
Sole, rex.....	0	188355	341	0	0	81020	493	0	305824	0	0	0	45567	0	621600
Sole, rock.....	0	399	212	0	0	4246	237	0	4607	0	4	0	0	0	9705
Sole, sand.....	0	75906	17007	0	0	23230	2071	0	56250	0	118	2	27	0	174611
Steelhead.....	2678	0	0	0	0	0	0	0	0	0	0	0	0	0	2678
Sturgeon, green.....	19238	32	0	0	0	315	40	0	430	0	0	0	0	0	20055
Sturgeon, white.....	224337	41	38	0	0	0	0	0	46	0	0	0	0	0	224462
Surfperch sp.....	0	0	7	0	0	9	0	0	0	0	6	12	693	0	727
Swordfish.....	0	17798	0	0	0	751	0	0	0	0	0	0	0	0	18549
Tuna, bluefin.....	0	10193	0	0	0	2963	0	0	0	0	0	0	0	0	13156
Tuna, albacore.....	0	1814063	149460	1395	4436	2106658	39838	70788	342798	3359	597	3141	16345	0	4552878
Tuna, yellowfin.....	0	320	0	0	0	0	0	0	0	0	0	0	0	0	320
Walleye.....	26	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Whiting, Pac. (hake)..	0	84446576	0	0	0	69906670	265	0	6607635	0	0	0	3575	0	160964721
Wolf-eel.....	0	71	0	0	14	411	18	0	1150	0	1564	111	61	0	3400
Wrymouth, giant.....	0	855	0	0	0	0	10	0	194	0	0	0	13	0	1072
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	115	0	0	0	0	0	0	0	0	115
Crab, Dungeness, bay..	0	0	12	73	32	842	330	7816	22405	120	0	0	0	3547	35177
Crab, Dungeness, ocean	0	3820755	536248	4140	53109	3435063	221195	536011	1358415	722	681772	11360	1652497	671	12311958
Crab, hermit.....	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
Crab, kelp.....	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Crab, rock.....	0	0	0	0	0	536	0	0	0	0	0	0	0	0	536
Crab, other.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	69706	69706
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	33800	33800
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	345	127	745	0	1217
Shrimp, ghost.....	0	0	1288	3959	0	0	1471	0	1057	0	0	0	0	32570	40345
Shrimp, mud.....	0	0	0	0	0	905	0	0	0	0	0	0	0	15531	16436

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1999. (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	
Shrimp, pink.....	0	5790978	798149	0	0	6162560	91102	0	5861970	0	0	0	1746483	0	20451242
Shrimp, spot.....	0	18159	0	0	0	0	0	0	1624	0	0	0	2428	0	22211
MOLLUSKS:															
Clams, butter.....	0	0	38032	0	0	0	0	0	0	0	0	0	0	140	38172
Clams, cockle.....	0	0	33762	0	0	0	0	7	5406	0	0	0	0	160	39335
Clams, gaper.....	0	0	3474	0	0	0	0	12	4830	0	0	0	0	0	8316
Clams, littleneck....	0	0	1557	0	0	0	0	0	0	0	0	0	0	1372	2929
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	483	483
Clams, softshell.....	0	0	0	0	0	15	0	32	0	0	0	0	0	0	47
Mussels, ocean.....	0	0	0	0	0	608	0	300	0	0	0	0	0	917	1825
Octopus.....	0	1163	0	47	55	722	0	201	286	0	3647	39	1969	0	8129
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Snails & chitons.....	0	0	1	0	0	30	0	0	0	0	0	0	0	0	31
19 Squid.....	0	326	0	0	0	1037	0	0	1108	0	0	0	0	0	2471
OTHER INVERTEBRATES:															
Sea anemone.....	0	0	4	0	0	6	0	0	0	0	0	0	0	0	10
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7
Sea stars.....	0	0	0	0	0	858	0	0	0	0	0	0	0	63	921
Sea urchin, red.....	0	0	0	0	15932	15472	0	0	11664	0	114805	58689	31721	0	248283
TOTAL	1080938	118320067	1767678	76898	86740	92365378	722931	780030	25990716	31219	1730756	179159	6198723	188424	249519657

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, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	3240	50	1332	6321	4867	9658	12238	10866	5230	3888	335	300	58325
Cod, Pacific.....	800	12	636	4958	13560	20449	19972	13959	4416	3570	295	368	82995
Flounder, arrowtooth..	70509	25044	120855	262762	1131912	1251964	1093565	404928	253799	209572	97302	99346	5021558
Flounder, starry.....	0	0	14	352	956	2293	12459	12690	10708	8506	50	0	48028
Greenling sp.....	1244	20	630	5689	5120	9058	11101	12253	3587	3707	399	1471	54279
Grenadier.....	12368	1762	21790	25011	8499	28397	30110	53131	27838	51652	8905	3829	273292
Hagfish sp.....	27729	16497	68553	82377	55890	117789	115628	60831	0	44523	28755	48978	667550
Halibut, California...	0	0	15	0	0	12	0	52	20	0	0	0	99
Halibut, Pacific.....	0	0	0	0	2185	18758	181050	116596	63	31737	0	0	350389
Herring, Pacific.....	0	25	0	0	0	6019	48867	15970	974	0	0	0	71855
Lamprey, Pacific.....	0	0	0	0	0	542	26605	2302	0	0	0	0	29449
Lingcod.....	12160	1730	19759	40518	40402	76971	51387	73911	38738	18850	4120	2939	381485
Lord, red Irish.....	0	0	4	3	13	18	7	10	4	4	0	0	63
Louvar.....	0	0	0	0	0	0	0	0	0	184	0	0	184
Mackerel, jack.....	0	0	0	0	0	53014	162538	644564	220301	13325	0	7	1093749
Mackerel, Pacific.....	0	1074	0	0	0	3715	204911	308333	53124	0	0	0	571157
Opah.....	0	0	0	0	0	0	0	0	147	100	116	0	363
Pollock, walleye.....	0	0	0	0	0	0	145	5	7	0	0	0	157
Prowfish.....	0	0	0	0	0	0	392	0	0	0	0	0	392
Ragfish.....	0	0	72	0	0	0	0	0	0	0	0	0	72
Ratfish.....	0	0	0	0	0	9	0	0	8	0	0	0	17
Pacific Ocean perch...	27328	8174	44068	66608	74449	86771	159210	64726	75535	41404	9944	27822	686039
Nominal POP.....	51431	21868	73786	89251	89294	114665	110918	84770	80771	10025	10319	4206	741304
Rockfish, black.....	5439	293	3879	32548	37331	54227	47423	48680	27699	20003	2395	1340	281257
Rockfish, canary.....	27845	3940	55958	102287	102611	265052	114632	135338	109018	15366	1029	579	933655
Rockfish, widow.....	1091287	244375	911035	342510	154268	330045	215577	479153	451404	1071477	669035	680216	6640382
Rockfish, yellowtail..	230930	18995	189170	369868	269456	744570	498942	811914	373691	37184	1079	1670	3547469
Rockfish, other sp....	93238	17693	87529	128457	163371	266887	177635	194683	114827	33840	10119	13370	1301649
Thornyhead, longspine	119227	14600	191584	176266	143625	201641	130963	172237	120097	184971	78514	100258	1633983

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1999. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Thornyhead, shortspine	66582	12348	84558	77293	45694	85856	44665	67253	63248	71252	39706	48702	707157
Sablefish.....	184895	51113	382645	358245	466054	520932	375890	3053961	346167	397064	217953	235792	6590711
Salmon, chinook.....	0	288	93	12248	91393	369809	71787	253939	186681	72435	24053	754	1083480
Salmon, chum.....	0	0	0	0	0	21	0	0	0	87	0	0	108
Salmon, coho.....	0	0	0	0	0	0	68	6380	269019	198399	0	0	473866
Salmon, pink.....	0	0	0	0	5	125	61	44	13	0	0	0	248
Sanddab, Pacific.....	24207	13240	99668	154640	68367	29700	31057	38494	10344	116335	5863	10527	602442
Sardine, Pacific.....	0	0	0	0	200	111134	525726	844449	228177	0	0	0	1709686
Sculpin, buffalo.....	0	0	4	4	0	23	0	4	4	0	0	0	39
Sculpin, other sp.....	0	0	0	0	0	3	0	7	3	2	0	0	15
Shad, American.....	0	0	2202	752	12382	103623	35389	45492	3054	0	0	0	202894
Shark, blue.....	0	0	0	0	0	0	303	223	0	3	0	0	529
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	1075	0	0	1075
Shark, shortfin mako..	0	0	0	0	0	0	85	107	34	319	0	0	545
Shark, sixgill.....	0	0	0	0	0	42	0	0	0	60	0	0	102
Shark, soupfin.....	78	0	30	9	26	24	181	527	185	600	0	0	1660
Shark, spiny dogfish..	494	0	11776	23720	48406	29327	45970	24456	299	1186	9339	1011	195984
Shark, thresher.....	0	0	0	0	18	0	0	1935	431	424	0	0	2808
Skates and rays.....	62680	36447	122423	119927	146883	178528	129068	112707	96027	158014	57739	80545	1300988
Smelt (eulachon).....	3025	8123	0	0	0	0	0	0	0	0	0	1611	12759
Snailfish, blacktail..	0	0	0	0	0	0	3	0	0	0	0	0	3
Sole, butter.....	0	0	0	0	19	7	942	0	59	26	0	0	1053
Sole, curlfin (turbot)	0	0	0	5	90	675	1497	2746	432	390	0	0	5835
Sole, Dover.....	781747	285822	1830271	944713	642989	814319	603804	758218	649668	1164898	657171	816844	9950464
Sole, English.....	31148	16588	74031	79423	68478	113368	116849	100500	52619	79564	8829	27446	768843
Sole, flathead.....	35	0	0	16	762	1042	847	1408	1102	749	272	337	6570
Sole, petrale.....	429632	132831	135020	76291	67702	127198	85164	39450	53034	74133	26339	240120	1486914
Sole, rex.....	51496	19167	70445	58332	47232	70654	50927	55885	40858	84231	28656	43717	621600
Sole, rock.....	0	12	0	54	235	670	2505	5227	690	312	0	0	9705
Sole, sand.....	0	0	0	444	7956	6798	57607	57992	30073	13371	370	0	174611

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1999. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Steelhead.....	0	0	0	0	0	0	0	0	2285	393	0	0	2678
Sturgeon, green.....	0	0	0	63	44	154	250	13650	4711	1183	0	0	20055
Sturgeon, white.....	20497	18940	17157	8764	13464	2707	2456	59631	9306	57214	13854	472	224462
Surfperch sp.....	0	0	366	326	2	0	7	14	11	1	0	0	727
Swordfish.....	0	0	0	0	0	0	0	0	5922	11294	1333	0	18549
Tuna, bluefin.....	0	0	0	0	0	0	0	0	5358	7367	431	0	13156
Tuna, albacore.....	0	0	0	0	0	262533	1081050	2163293	799621	224886	21475	20	4552878
Tuna, yellowfin.....	0	0	0	0	0	0	72	248	0	0	0	0	320
Walleye.....	0	0	0	0	0	0	0	0	26	0	0	0	26
Whiting, Pac. (hake)..	8121	0	0	12029	0	30824184	54441688	63238028	12435458	1638	970	2605	160964721
Wolf-eel.....	24	0	35	540	556	876	506	581	139	143	0	0	3400
Wrymouth, giant.....	0	0	0	7	53	159	437	257	40	119	0	0	1072
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	75	40	0	0	0	0	115
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	1331	5205	22704	5937	35177
Crab, Dungeness, ocean	1792113	286862	592378	361567	262122	122033	49788	31692	0	0	22	8813381	12311958
Crab, hermit.....	0	0	0	0	0	0	0	0	14	0	0	0	14
Crab, kelp.....	0	0	2	1	0	0	0	0	0	0	0	0	3
Crab, rock.....	0	67	56	81	79	75	20	3	0	44	111	0	536
Crab, other.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Crayfish.....	0	0	0	1109	4664	12097	19558	11350	13012	7916	0	0	69706
Shrimp, brine.....	0	0	0	0	0	11400	15500	6900	0	0	0	0	33800
Shrimp, coonstripe....	0	0	0	34	45	27	142	539	324	106	0	0	1217
Shrimp, ghost.....	1441	1591	2226	3080	3985	5504	5654	4267	4978	5329	1201	1089	40345
Shrimp, mud.....	3280	3331	4093	1181	521	10	0	0	0	40	415	3565	16436
Shrimp, pink.....	0	0	0	3232122	3788027	4507661	3097043	2326451	2368791	1131147	0	0	20451242
Shrimp, spot.....	0	0	851	512	9430	2711	3127	2761	0	235	1039	1545	22211
MOLLUSKS:													
Clams, butter.....	1175	2785	2955	4370	4175	3877	4115	3570	6805	2088	1101	1156	38172

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1999. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, cockle.....	3805	85	3790	3904	2965	3160	2790	1980	3925	8853	832	3246	39335
Clams, gaper.....	0	0	0	0	0	0	1735	70	695	2182	2797	837	8316
Clams, littleneck.....	0	20	35	248	185	318	777	419	486	218	223	0	2929
Clams, razor.....	0	0	0	0	0	394	80	0	0	0	0	9	483
Clams, softshell.....	0	0	0	0	0	0	32	0	0	0	0	15	47
Mussels, ocean.....	150	0	234	206	357	546	43	218	60	0	0	11	1825
Octopus.....	1765	342	2003	1131	789	868	704	238	78	88	0	123	8129
Scallops, rock.....	0	0	0	0	0	0	0	0	0	3	0	0	3
Snails & chitons.....	0	0	0	0	0	0	1	30	0	0	0	0	31
Squid.....	0	2	10	6	93	300	194	1583	242	0	0	41	2471
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	4	0	0	4	0	2	0	0	0	10
Sea cucumber.....	0	0	0	0	0	7	0	0	0	0	0	0	7
Sea stars.....	60	100	16	124	0	221	173	31	50	0	28	118	921
Sea urchin, red.....	10655	0	15539	53224	9264	507	0	52709	31559	24043	20478	30305	248283
TOTAL	5253880	1266256	5245581	7326535	8113520	41988732	64334691	77113859	19699456	5730552	2088015	11358580	249519657

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1999. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	288	93	3749	14702	5786	3651	28014	42093	18589	66	0	117031
Salmon, chum.....	0	0	0	0	0	0	0	0	0	87	0	0	87
Salmon, coho.....	0	0	0	0	0	0	0	5453	265682	198073	0	0	469208
Shad, American.....	0	0	0	0	11931	91852	0	0	0	0	0	0	103783
Smelt (eulachon).....	3025	8123	0	0	0	0	0	0	0	0	0	1611	12759
Sturgeon, green.....	0	0	0	0	44	41	0	13516	4663	974	0	0	19238
Sturgeon, white.....	20497	15839	30	1852	8077	1651	2418	59631	9260	57214	10517	0	186986
TOTAL	23522	24250	123	5601	34754	99330	6069	106614	321698	274937	10583	1611	909092
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	124916	2209	0	0	127125
Salmon, coho.....	0	0	0	0	0	0	0	0	3337	326	0	0	3663
Shad, American.....	0	0	0	0	226	368	409	0	0	0	0	0	1003
Steelhead.....	0	0	0	0	0	0	0	0	2285	393	0	0	2678
Sturgeon, white.....	0	3101	17127	6912	5387	1015	0	0	0	0	3337	472	37351
Walleye.....	0	0	0	0	0	0	0	0	26	0	0	0	26
TOTAL	0	3101	17127	6912	5613	1383	409	0	130564	2928	3337	472	171846
TOTAL	23522	27351	17250	12513	40367	100713	6478	106614	452262	277865	13920	2083	1080938

1/ OREGON LANDINGS ONLY.

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1999. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	679	12	630	4611	12779	20243	19205	13514	4380	3555	295	368	80271
Flounder, arrowtooth..	35418	14701	70412	189264	1061126	1075411	976791	307205	174351	95537	54720	34148	4089084
Flounder, starry.....	0	0	14	337	843	1621	3992	2716	8472	8206	50	0	26251
Grenadier.....	177	0	915	5372	678	5134	3003	2047	5260	3455	273	407	26721
Halibut, Pacific.....	0	0	0	0	131	13518	44239	116410	17	31737	0	0	206052
Herring, Pacific.....	0	0	0	0	0	3324	48728	15920	966	0	0	0	68938
Lingcod.....	2464	235	6829	6674	11167	19545	13353	20535	10864	6950	1678	666	100960
Louvar.....	0	0	0	0	0	0	0	0	0	137	0	0	137
Mackerel, jack.....	0	0	0	0	0	42519	120101	223490	124806	13325	0	7	524248
Mackerel, Pacific.....	0	0	0	0	0	995	181293	238944	36228	0	0	0	457460
Opah.....	0	0	0	0	0	0	0	0	147	100	116	0	363
Pollock, walleye.....	0	0	0	0	0	0	43	5	7	0	0	0	55
Ragfish.....	0	0	72	0	0	0	0	0	0	0	0	0	72
Pacific Ocean perch...	20621	2545	25582	50060	66641	65513	74767	50680	60736	38087	7677	21583	484492
Nominal POP.....	2031	418	5911	16503	16336	29296	25222	28087	17004	5006	423	692	146929
Rockfish, black.....	578	0	379	73	3701	645	558	224	787	312	0	0	7257
Rockfish, canary.....	5833	19	33818	37063	24518	73388	24570	40605	41593	8098	194	0	289699
Rockfish, widow.....	324632	7971	316454	163039	48413	93393	95652	328516	360188	410727	197884	249347	2596216
Rockfish, yellowtail..	136205	436	127190	254501	135087	471956	353297	666144	214038	32102	1029	757	2392742
Rockfish, other sp....	34659	6307	43366	70071	66831	123524	56948	72394	50117	8846	4842	5551	543456
Thornyhead, longspine	10860	631	49011	70244	69690	70846	59938	56623	54768	59927	19503	38417	560458
Thornyhead, shortspine	16285	3678	28065	35406	18827	23152	21828	23175	24307	20844	13957	19801	249325
Sablefish.....	48901	10939	90263	135516	148327	149837	184609	946008	108201	112215	80599	80282	2095697
Salmon, chinook.....	0	0	0	0	1022	3851	6674	8960	100	0	0	0	20607
Salmon, coho.....	0	0	0	0	0	0	68	927	0	0	0	0	995
Salmon, pink.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Sanddab, Pacific.....	0	0	110	3452	2791	1953	1723	1036	1913	5222	4	0	18204
Sardine, Pacific.....	0	0	0	0	0	110916	525725	834966	228177	0	0	0	1699784
Shad, American.....	0	0	70	0	0	11238	34646	45429	3054	0	0	0	94437

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1999. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, blue.....	0	0	0	0	0	0	35	0	0	0	0	0	35
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	151	0	0	151
Shark, sixgill.....	0	0	0	0	0	16	0	0	0	0	0	0	16
Shark, soupfin.....	46	0	0	9	0	0	32	406	0	0	0	0	493
Shark, spiny dogfish..	494	0	11776	23720	48406	29154	26188	24192	267	714	117	1011	166039
Shark, thresher.....	0	0	0	0	0	0	0	1935	431	240	0	0	2606
Skates and rays.....	6280	7074	14694	28678	51706	42193	27760	15787	19577	40468	12396	21055	287668
Sole, butter.....	0	0	0	0	0	7	145	0	59	26	0	0	237
Sole, curlfin (turbot)	0	0	0	0	48	49	397	229	58	2	0	0	783
Sole, Dover.....	404103	140164	823227	474018	196731	279087	267182	244876	306090	349214	256063	412830	4153585
Sole, English.....	7824	998	7619	15748	16241	43925	57318	51924	22276	41583	2287	6094	273837
Sole, flathead.....	35	0	0	16	762	1042	847	1408	1102	749	272	337	6570
Sole, petrale.....	153279	14118	46537	16320	21910	28654	22154	16844	28134	47782	11217	54194	461143
Sole, rex.....	7535	1415	6342	7756	13547	27356	21339	24507	19034	42246	9435	7843	188355
Sole, rock.....	0	0	0	6	14	75	271	19	14	0	0	0	399
Sole, sand.....	0	0	0	420	6827	4238	25349	14755	11670	12277	370	0	75906
Sturgeon, green.....	0	0	0	0	0	0	0	32	0	0	0	0	32
Sturgeon, white.....	0	0	0	0	0	41	0	0	0	0	0	0	41
Swordfish.....	0	0	0	0	0	0	0	0	5506	10959	1333	0	17798
Tuna, bluefin.....	0	0	0	0	0	0	0	0	2542	7220	431	0	10193
Tuna, albacore.....	0	0	0	0	0	130210	277372	1033887	361172	9195	2227	0	1814063
Tuna, yellowfin.....	0	0	0	0	0	0	72	248	0	0	0	0	320
Whiting, Pac. (hake)..	0	0	0	2081	0	17257136	28807852	30068546	8309323	1638	0	0	84446576
Wolf-eel.....	0	0	0	0	4	9	6	45	7	0	0	0	71
Wrymouth, giant.....	0	0	0	0	28	145	392	172	28	90	0	0	855
CRUSTACEANS:													
Crab, Dungeness, ocean	564925	73259	163426	118576	77175	29840	9082	2147	0	0	0	2782325	3820755
Shrimp, pink.....	0	0	0	124752	955949	1782779	999077	804224	690552	433645	0	0	5790978
Shrimp, spot.....	0	0	0	512	8950	2671	3127	1860	0	0	1039	0	18159

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1999.

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	138	182	134	0	454
Crab, Dungeness, ocean	0	0	0	0	0	0	262	370	0	0	0	0	632
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	140	0	0	0	0	0	0	140
Clams, cockle.....	0	0	0	0	0	160	0	0	0	0	0	0	160
Clams, littleneck.....	0	0	0	215	115	140	182	0	276	218	223	0	1369
Mussels, ocean.....	0	0	0	56	57	102	43	88	0	0	0	0	346
TOTAL	0	0	0	271	172	542	487	458	414	400	357	0	3101

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	19	19	50	33	245	315	0	0	0	681
Flounder, arrowtooth..	0	0	0	0	0	1723	219	146	80	0	0	0	2168
Flounder, starry.....	0	0	0	0	51	29	1497	1001	323	0	0	0	2901
Greenling sp.....	0	0	0	0	0	0	2	3	2	0	0	0	7
Halibut, Pacific.....	0	0	0	0	81	35	21868	0	0	0	0	0	21984
Lingcod.....	0	0	0	169	780	2283	1499	1414	629	157	0	0	6931
Lord, red-Irish.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Pacific Ocean perch...	0	0	0	0	0	0	2	0	0	0	0	0	2
Nominal POP.....	0	0	0	670	1035	299	381	1200	177	182	0	0	3944
Rockfish, black.....	0	0	64	1785	3115	4158	4070	4232	3745	1075	371	0	22615
Rockfish, canary.....	0	0	0	6	8	2350	74	55	60	0	0	0	2553
Rockfish, widow.....	0	0	0	0	0	0	2	2	169	22	0	0	195
Rockfish, yellowtail..	0	0	0	0	807	1206	2392	1727	1313	12	0	0	7457
Rockfish, other sp....	0	0	0	132	205	354	27	654	151	142	0	0	1665
Sablefish.....	0	0	0	0	0	397	1050	2250	30	0	0	0	3727
Salmon, chinook.....	0	0	0	16	3319	6292	663	11525	8273	5973	301	0	36362
Salmon, pink.....	0	0	0	0	0	7	0	14	0	0	0	0	21
Sanddab, Pacific.....	0	0	0	0	0	4356	0	0	0	0	0	0	4356
Shark, spiny dogfish..	0	0	0	0	0	0	13	0	0	0	0	0	13
Skates and rays.....	0	0	0	0	256	253	315	0	0	0	0	0	824
Sole, curlfin (turbot)	0	0	0	0	0	175	0	0	0	0	0	0	175
Sole, Dover.....	0	0	0	0	4466	22042	2316	19473	2019	2581	0	0	52897
Sole, English.....	0	0	0	0	201	1395	84	650	0	76	0	0	2406
Sole, petrale.....	0	0	0	41	1946	7157	606	2774	485	1191	0	0	14200
Sole, rex.....	0	0	0	0	0	0	27	0	15	299	0	0	341
Sole, rock.....	0	0	0	0	0	0	212	0	0	0	0	0	212
Sole, sand.....	0	0	0	0	809	199	11235	2467	2297	0	0	0	17007
Sturgeon, white.....	0	0	0	0	0	0	38	0	0	0	0	0	38
Surfperch sp.....	0	0	0	0	0	0	7	0	0	0	0	0	7

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Tuna, albacore.....	0	0	0	0	0	0	20384	97067	30258	1751	0	0	149460
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	12	0	0	0	12
Crab, Dungeness, ocean	74156	11770	30446	27553	21439	14276	6539	6641	0	0	0	343428	536248
Shrimp, ghost.....	0	0	0	0	0	0	125	160	115	333	225	330	1288
Shrimp, pink.....	0	0	0	119408	128641	220711	135948	67409	90112	35920	0	0	798149
MOLLUSKS:													
Clams, butter.....	1175	2785	2955	4370	4175	3737	4115	3570	6805	2088	1101	1156	38032
Clams, cockle.....	3475	85	3070	2630	2965	3000	2787	1980	3275	7075	825	2595	33762
Clams, gaper.....	0	0	0	0	0	0	1654	70	695	155	575	325	3474
Clams, littleneck.....	0	20	35	33	70	175	595	419	210	0	0	0	1557
Snails & chitons.....	0	0	0	0	0	0	1	0	0	0	0	0	1
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	0	0	0	4	0	0	0	0	0	4
TOTAL	78806	14660	36570	156832	174388	296659	220786	227148	151565	59032	3398	347834	1767678

TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, mud.....	3166	3267	3833	1043	320	0	0	0	0	40	415	3447	15531
TOTAL	3166	3267	3833	1043	320	0	0	0	0	40	415	3447	15531

TABLE 12. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SILETZ BAY, 1999.

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, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	33	182	775	487	714	789	853	43	0	3876
Halibut, Pacific.....	0	0	0	0	0	0	3214	0	0	0	0	0	3214
Lingcod.....	0	0	0	252	157	221	221	244	153	40	0	0	1288
Rockfish, black.....	0	0	0	400	288	133	0	0	0	190	114	0	1125
Rockfish, canary.....	75	0	0	122	0	0	0	180	0	0	0	0	377
Rockfish, yellowtail..	103	0	50	0	0	0	0	0	0	0	0	0	153
Rockfish, other sp....	0	0	320	914	141	108	229	277	358	440	15	0	2802
Sablefish.....	0	0	0	0	0	0	245	0	0	0	0	0	245
Salmon, chinook.....	0	0	0	28	0	9	9	36	0	0	0	0	82
Tuna, albacore.....	0	0	0	0	0	0	0	947	3294	195	0	0	4436
Wolf-eel.....	0	0	0	0	0	0	0	0	0	14	0	0	14
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0	32	0	32
Crab, Dungeness, ocean	16774	1373	6270	4449	4410	4347	2952	2505	0	0	0	10029	53109
MOLLUSKS:													
Octopus.....	25	0	0	30	0	0	0	0	0	0	0	0	55
OTHER INVERTEBRATES:													
Sea urchin, red.....	3045	0	0	1538	1690	0	0	9659	0	0	0	0	15932
TOTAL	20022	1373	6640	7766	6868	5593	7357	14562	4594	1732	204	10029	86740

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	10	0	0	0	0	0	531	548	10	15	0	0	1114
Cod, Pacific.....	92	0	0	79	84	202	495	260	28	15	0	0	1255
Flounder, arrowtooth..	6585	839	16391	46142	28278	103955	48298	28756	43977	54466	18940	31690	428317
Flounder, starry.....	0	0	0	0	62	82	371	4734	477	223	0	0	5949
Grenadier.....	1804	0	2338	2818	0	4776	0	546	6588	5944	2216	582	27612
Halibut, California...	0	0	0	0	0	0	0	22	0	0	0	0	22
Halibut, Pacific.....	0	0	0	0	1566	4402	65779	103	46	0	0	0	71896
Herring, Pacific.....	0	25	0	0	0	1195	139	50	8	0	0	0	1417
Lingcod.....	2976	644	6545	13242	7123	18760	9327	12602	7790	4019	140	0	83168
Lord, red Irish.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Louvar.....	0	0	0	0	0	0	0	0	0	47	0	0	47
Mackerel, jack.....	0	0	0	0	0	9529	39168	395717	95166	0	0	0	539580
Mackerel, Pacific.....	0	0	0	0	0	2720	23618	60465	16838	0	0	0	103641
Pollock, walleye.....	0	0	0	0	0	0	102	0	0	0	0	0	102
Prowfish.....	0	0	0	0	0	0	392	0	0	0	0	0	392
Ratfish.....	0	0	0	0	0	9	0	0	8	0	0	0	17
Pacific Ocean perch...	6707	4014	15703	15584	7398	20854	83543	10109	14265	2820	776	3219	184992
Nominal POP.....	24897	13239	40962	44423	48732	42394	48236	21879	27444	2343	9172	1012	324733
Rockfish, black.....	0	0	0	0	0	4	0	3	55	261	0	0	323
Rockfish, canary.....	5735	3094	13979	42707	35653	91858	42201	39402	29453	1576	32	9	305699
Rockfish, widow.....	547539	124930	267928	116853	39422	122681	82262	70611	55058	508358	416489	358307	2710438
Rockfish, yellowtail..	37069	7486	37362	75503	41373	130748	90000	71396	110995	2452	0	414	604798
Rockfish, other sp....	3945	377	5538	18089	13447	57105	28989	32765	24022	6892	2485	2462	196116
Thornyhead, longspine	35362	3377	36192	57046	5027	45456	1746	8680	15889	29018	17918	14527	270238
Thornyhead, shortspine	18902	910	21844	25506	5639	28982	5577	15247	17759	21246	9930	14766	186308
Sablefish.....	45653	5295	97764	123048	144360	176237	52058	986799	116078	109626	45505	56970	1959393
Salmon, chinook.....	0	0	0	5507	51836	113466	30284	13162	1249	9023	0	0	224527
Salmon, pink.....	0	0	0	0	5	10	17	13	0	0	0	0	45
Sanddab, Pacific.....	36	0	13	1327	9077	0	190	174	0	1560	0	0	12377

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sardine, Pacific.....	0	0	0	0	0	18	1	9483	0	0	0	0	9502
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Shad, American.....	0	0	0	0	0	152	269	58	0	0	0	0	479
Shark, blue.....	0	0	0	0	0	0	122	138	0	3	0	0	263
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	1075	0	0	1075
Shark, shortfin mako..	0	0	0	0	0	0	44	82	34	168	0	0	328
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	60	0	0	60
Shark, soupfin.....	0	0	0	0	0	0	62	24	174	538	0	0	798
Shark, spiny dogfish..	0	0	0	0	0	173	19769	0	32	472	9222	0	29668
Shark, thresher.....	0	0	0	0	0	0	0	0	0	184	0	0	184
Skates and rays.....	9912	190	15627	49100	30137	45819	42787	23222	34494	35177	8560	12441	307466
Snailfish, blacktail..	0	0	0	0	0	0	3	0	0	0	0	0	3
Sole, curlfin (turbot)	0	0	0	0	38	397	82	1741	78	379	0	0	2715
Sole, Dover.....	54714	5761	168368	239732	116308	148634	101826	117296	138934	261106	131702	132753	1617134
Sole, English.....	1255	364	4470	14514	13040	35084	21041	9574	8994	5857	38	66	114297
Sole, petrale.....	26880	3021	23416	30888	29547	76661	49738	7886	15351	9009	1673	17768	291838
Sole, rex.....	3145	806	9058	12449	6640	13616	4605	6387	8012	10477	4027	1798	81020
Sole, rock.....	0	12	0	0	0	12	62	3679	170	311	0	0	4246
Sole, sand.....	0	0	0	0	315	424	1776	18073	2313	329	0	0	23230
Sturgeon, green.....	0	0	0	0	0	54	18	34	0	209	0	0	315
Surfperch sp.....	0	0	0	0	0	0	0	0	9	0	0	0	9
Swordfish.....	0	0	0	0	0	0	0	0	416	335	0	0	751
Tuna, bluefin.....	0	0	0	0	0	0	0	0	2816	147	0	0	2963
Tuna, albacore.....	0	0	0	0	0	132323	728816	812102	258838	174559	0	20	2106658
Whiting, Pac. (hake)..	0	0	0	9948	0	12070842	23245455	30586481	3993944	0	0	0	69906670
Wolf-eel.....	0	0	0	43	55	30	155	88	40	0	0	0	411
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	75	40	0	0	0	0	115
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	53	76	695	18	842
Crab, Dungeness, ocean	539065	91801	130685	60584	40966	16846	7297	5155	0	0	0	2542664	3435063

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Crab, kelp.....	0	0	2	1	0	0	0	0	0	0	0	0	3
Crab, rock.....	0	67	56	81	79	75	20	3	0	44	111	0	536
Shrimp, mud.....	114	64	260	138	201	10	0	0	0	0	0	118	905
Shrimp, pink.....	0	0	0	810407	1107064	1314894	974804	556657	1010775	387959	0	0	6162560
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0	0	15	15
Mussels, ocean.....	0	0	84	0	0	334	0	130	60	0	0	0	608
Octopus.....	80	0	50	144	253	146	0	0	49	0	0	0	722
Snails & chitons.....	0	0	0	0	0	0	0	30	0	0	0	0	30
Squid.....	0	0	0	0	0	190	129	584	134	0	0	0	1037
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	4	0	0	0	0	2	0	0	0	6
Sea stars.....	60	100	16	124	0	158	173	31	50	0	28	118	858
Sea urchin, red.....	0	0	0	0	0	0	0	15472	0	0	0	0	15472
TOTAL	1372537	266416	914651	1816031	1783725	14832317	25852452	33948497	6058978	1648378	679659	3191737	92365378

TABLE 15. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WALDPOR, 1999.

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	589	1062	1442	0	3093
Crab, Dungeness, ocean	0	0	0	0	0	0	0	39	0	0	0	0	39
Crab, hermit.....	0	0	0	0	0	0	0	0	14	0	0	0	14
Crab, other.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Shrimp, ghost.....	1169	1457	1756	2494	3287	4549	5235	3762	4161	3740	560	400	32570
MOLLUSKS:													
Clams, littleneck.....	0	0	0	0	0	3	0	0	0	0	0	0	3
Mussels, ocean.....	150	0	150	150	0	110	0	0	0	0	0	11	571
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	0	63	0	0	0	0	0	0	63
TOTAL	1319	1457	1906	2644	3287	4726	5235	3801	4764	4802	2002	411	36354

TABLE 15A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT YACHATS, 1999.

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 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	0	222	96	86	0	0	0	0	404
Halibut, Pacific.....	0	0	0	0	98	184	9087	0	0	0	0	0	9369
Lingcod.....	0	0	0	33	13	225	631	370	243	0	0	0	1515
Nominal POP.....	0	0	0	0	0	0	454	618	207	1	0	0	1280
Rockfish, black.....	0	0	0	0	0	0	0	6	2	0	0	0	8
Rockfish, canary.....	0	0	0	48	6	189	331	512	764	15	0	0	1865
Rockfish, widow.....	0	0	0	0	0	0	23	32	0	10	0	0	65
Rockfish, yellowtail..	0	0	0	68	9	170	1663	310	617	0	0	0	2837
Rockfish, other sp....	0	0	0	9	0	5	3847	1401	1973	0	0	0	7235
Sablefish.....	0	0	0	0	13	133	2629	245690	5011	0	0	0	253476
Salmon, chinook.....	0	0	0	635	7358	19769	3741	5589	44	0	0	0	37136
Salmon, chum.....	0	0	0	0	0	21	0	0	0	0	0	0	21
Salmon, pink.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Sanddab, Pacific.....	0	2978	5391	13077	0	9298	3320	3310	0	0	0	0	37374
Skates and rays.....	0	0	0	0	0	28	68	0	0	0	0	0	96
Sole, Dover.....	0	0	0	0	1816	401	3491	630	2	110	0	0	6450
Sole, English.....	0	414	555	1437	34	211	19	131	0	0	0	0	2801
Sole, petrale.....	0	197	869	1554	32	791	117	353	8	0	0	0	3921
Sole, rex.....	0	117	215	151	0	10	0	0	0	0	0	0	493
Sole, rock.....	0	0	0	0	0	122	115	0	0	0	0	0	237
Sole, sand.....	0	0	0	0	0	1176	600	295	0	0	0	0	2071
Sturgeon, green.....	0	0	0	0	0	0	0	40	0	0	0	0	40
Tuna, albacore.....	0	0	0	0	0	0	13608	15899	9631	700	0	0	39838
Whiting, Pac. (hake)..	0	0	0	0	0	265	0	0	0	0	0	0	265
Wolf-eel.....	0	0	0	8	0	10	0	0	0	0	0	0	18
Wrymouth, giant.....	0	0	0	0	10	0	0	0	0	0	0	0	10
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	330	0	0	330

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Crab, Dungeness, ocean	31361	11534	24389	20064	10927	7181	3236	4341	0	0	0	108162	221195
Shrimp, ghost.....	132	109	150	134	174	194	154	112	76	68	44	124	1471
Shrimp, pink.....	0	0	0	0	14448	31297	37188	4041	0	4128	0	0	91102
TOTAL	31493	15349	31569	37218	34938	71910	84418	283766	18578	5362	44	108286	722931

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hagfish sp.....	0	0	0	0	0	6531	6331	0	0	0	0	0	12862
Halibut, Pacific.....	0	0	0	0	0	402	651	0	0	0	0	0	1053
Herring, Pacific.....	0	0	0	0	0	1500	0	0	0	0	0	0	1500
Lingcod.....	0	0	0	0	63	96	654	391	5	0	0	0	1209
Rockfish, canary.....	0	0	0	0	18	0	125	0	8	7	0	0	158
Rockfish, yellowtail..	0	0	0	4	0	0	0	13	93	16	0	0	126
Rockfish, other sp....	0	0	0	106	16	143	720	1243	55	9	0	0	2292
Sablefish.....	0	0	0	0	0	0	184	85741	1101	0	0	0	87026
Salmon, chinook.....	0	0	0	2112	7053	29992	13310	5018	357	303	0	0	58145
Salmon, pink.....	0	0	0	0	0	60	32	0	0	0	0	0	92
Sardine, Pacific.....	0	0	0	0	200	200	0	0	0	0	0	0	400
Tuna, albacore.....	0	0	0	0	0	0	19858	34060	9803	7067	0	0	70788
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	497	2312	5007	0	7816
Crab, Dungeness, ocean	71698	14056	52642	34266	17129	5843	5048	2783	0	0	0	332546	536011
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0	7	0	7
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0	12	0	12
Clams, softshell.....	0	0	0	0	0	0	32	0	0	0	0	0	32
Mussels, ocean.....	0	0	0	0	300	0	0	0	0	0	0	0	300
Octopus.....	0	0	201	0	0	0	0	0	0	0	0	0	201
TOTAL	71698	14056	52843	36488	24779	44767	46945	129249	11919	9714	5026	332546	780030

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	0	0	93	72	133	85	0	0	383
Cod, Pacific.....	29	0	6	268	697	4	272	185	0	0	0	0	1461
Flounder, arrowtooth..	27824	9498	32560	27302	41166	69135	66757	61688	32973	51959	19769	31388	472019
Flounder, starry.....	0	0	0	15	0	339	6503	4138	1436	77	0	0	12508
Greenling sp.....	0	0	0	0	0	0	2	18	0	0	0	0	20
Grenadier.....	10387	544	8860	16821	3901	15951	26308	39450	14134	29598	5402	2692	174048
Hagfish sp.....	27729	16497	68553	82377	55890	111258	109297	60831	0	44523	28755	48978	654688
Halibut, California...	0	0	15	0	0	12	0	30	20	0	0	0	77
Halibut, Pacific.....	0	0	0	0	252	136	15019	83	0	0	0	0	15490
Lingcod.....	3064	729	4984	5981	9478	16280	9878	17860	9509	3899	1109	1281	84052
Mackerel, jack.....	0	0	0	0	0	966	3269	25357	329	0	0	0	29921
Mackerel, Pacific.....	0	1074	0	0	0	0	0	8049	58	0	0	0	9181
Pacific Ocean perch...	0	1615	2783	964	410	79	898	3937	534	497	1491	3020	16228
Nominal POP.....	22961	8096	23967	24764	18463	33441	30186	24173	27731	1747	440	2262	218231
Rockfish, black.....	0	0	8	0	180	9	188	1375	251	128	0	3	2142
Rockfish, canary.....	11433	362	4817	8828	16874	56781	29186	37731	25749	2577	691	275	195304
Rockfish, widow.....	175875	89215	190601	44952	31040	68418	34235	65715	26056	125994	17060	64200	933361
Rockfish, yellowtail..	56128	9167	16052	32332	56296	88289	34158	53769	35619	1553	0	458	383821
Rockfish, other sp....	47055	10817	26215	23025	59698	50670	48942	43067	16980	4895	1186	3778	336328
Thornyhead, longspine	70686	4091	80473	46357	43913	65644	46539	74726	35859	67150	31203	44409	611050
Thornyhead, shortspine	26620	3281	22558	13664	12187	23291	12745	18281	17994	20084	11301	12598	194604
Sablefish.....	79700	18389	120979	84238	120600	132703	102581	409581	78851	115543	66948	84236	1414349
Salmon, chinook.....	0	0	0	119	5755	181031	11689	139092	6038	2932	0	0	346656
Salmon, pink.....	0	0	0	0	0	40	8	9	13	0	0	0	70
Sanddab, Pacific.....	24162	10262	94154	135407	55862	13787	25253	33332	7719	106186	5859	10527	522510
Shad, American.....	0	0	2132	752	225	13	65	5	0	0	0	0	3192
Shark, blue.....	0	0	0	0	0	0	146	35	0	0	0	0	181
Shark, shortfin mako..	0	0	0	0	0	0	41	25	0	0	0	0	66
Shark, sixgill.....	0	0	0	0	0	26	0	0	0	0	0	0	26

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, soupfin.....	32	0	30	0	0	24	64	60	0	26	0	0	236
Shark, spiny dogfish..	0	0	0	0	0	0	0	264	0	0	0	0	264
Shark, thresher.....	0	0	0	0	18	0	0	0	0	0	0	0	18
Skates and rays.....	37413	29183	81305	36460	53997	74071	45039	62283	33675	57948	27451	40351	579176
Sole, butter.....	0	0	0	0	19	0	797	0	0	0	0	0	816
Sole, curlfin (turbot)	0	0	0	0	0	52	1018	599	288	3	0	0	1960
Sole, Dover.....	294501	109089	694998	204019	240507	253300	175126	266784	161143	396515	212043	238595	3246620
Sole, English.....	21620	14809	57542	45927	33940	30715	25711	31386	15245	20626	6282	20720	324523
Sole, petrale.....	215315	115261	58403	26051	11623	12932	8945	9587	5495	10438	10402	132985	617437
Sole, rex.....	33954	15263	49834	36141	22611	24071	23831	21341	11784	24444	12751	29799	305824
Sole, rock.....	0	0	0	48	221	461	1845	1526	506	0	0	0	4607
Sole, sand.....	0	0	0	18	0	759	18557	22370	13788	758	0	0	56250
Sturgeon, green.....	0	0	0	63	0	59	232	28	48	0	0	0	430
Sturgeon, white.....	0	0	0	0	0	0	0	0	46	0	0	0	46
Tuna, albacore.....	0	0	0	0	0	0	18893	165232	116011	23414	19248	0	342798
Whiting, Pac. (hake)..	8121	0	0	0	0	1495941	2388381	2583001	132191	0	0	0	6607635
Wolf-eel.....	10	0	16	97	313	532	106	62	0	14	0	0	1150
Wrymouth, giant.....	0	0	0	7	15	14	45	79	12	22	0	0	194
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	27	1065	15394	5919	22405
Crab, Dungeness, ocean	175100	26054	62306	41702	33298	18624	5929	3824	0	0	22	991556	1358415
Shrimp, ghost.....	140	25	108	145	179	139	105	68	148	0	0	0	1057
Shrimp, pink.....	0	0	0	1609714	1186296	985325	737497	658765	489828	194545	0	0	5861970
Shrimp, spot.....	0	0	851	0	480	40	0	0	0	0	0	253	1624
MOLLUSKS:													
Clams, cockle.....	330	0	720	1274	0	0	3	0	650	1778	0	651	5406
Clams, gaper.....	0	0	0	0	0	0	81	0	0	2027	2210	512	4830
Octopus.....	64	0	57	122	0	15	0	28	0	0	0	0	286
Squid.....	0	0	5	0	0	0	0	995	108	0	0	0	1108

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	0	0	0	0	11664	0	0	0	0	11664
TOTAL	1370253	493321	1705892	2549954	2116404	3825377	4066463	4962560	1318979	1313050	497017	1771446	25990716

TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	0	0	8	0	0	0	0	8
Greenling sp.....	0	0	0	0	0	0	2	6	0	0	0	0	8
Halibut, Pacific.....	0	0	0	0	0	37	0	0	0	0	0	0	37
Lingcod.....	0	0	0	0	0	42	53	739	152	0	0	0	986
Rockfish, black.....	0	0	0	0	0	0	62	178	0	0	0	0	240
Rockfish, canary.....	0	0	0	0	0	0	141	247	0	0	0	0	388
Rockfish, yellowtail..	0	0	0	0	0	0	6	17	0	0	0	0	23
Rockfish, other sp....	0	0	125	208	0	197	153	1146	525	97	0	0	2451
Salmon, chinook.....	0	0	0	64	119	6028	672	14887	710	130	259	0	22869
Salmon, pink.....	0	0	0	0	0	0	0	8	0	0	0	0	8
Tuna, albacore.....	0	0	0	0	0	0	0	3359	0	0	0	0	3359
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	120	0	0	120
Crab, Dungeness, ocean	0	0	104	321	0	106	0	191	0	0	0	0	722
TOTAL	0	0	229	593	119	6410	1089	20786	1387	347	259	0	31219

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	2957	50	1204	5435	3224	6282	4628	4810	2302	1633	145	13	32683
Flounder, arrowtooth..	0	0	2	4	0	0	0	165	42	6	0	0	219
Greenling sp.....	666	20	520	5294	3805	6817	7098	7234	2018	2028	169	4	35673
Grenadier.....	0	0	0	0	0	0	18	0	0	0	0	0	18
Halibut, Pacific.....	0	0	0	0	0	0	14392	0	0	0	0	0	14392
Lingcod.....	3187	46	664	9753	5055	8346	6144	7377	3096	1391	296	15	45370
Lord, red Irish.....	0	0	0	3	9	14	5	6	0	2	0	0	39
Pacific Ocean perch...	0	0	0	0	0	325	0	0	0	0	0	0	325
Nominal POP.....	149	0	38	817	537	659	1483	2624	1451	328	31	0	8117
Rockfish, black.....	3916	293	3173	22399	16466	30499	20305	23843	11587	7047	1356	464	141348
Rockfish, canary.....	4349	8	919	10448	15397	16150	9893	8465	5701	1672	101	251	73354
Rockfish, widow.....	50	0	0	363	291	848	1334	837	1031	266	0	0	5020
Rockfish, yellowtail..	714	1	173	3326	5413	8407	6822	3396	2591	634	44	41	31562
Rockfish, other sp....	5211	93	1883	11245	7810	20592	22450	24456	11435	5896	614	80	111765
Sablefish.....	1447	0	1209	2494	7802	1748	7963	311947	12389	12062	87	0	359148
Salmon, chinook.....	0	0	0	18	0	42	141	17201	776	27015	22562	754	68509
Sculpin, buffalo.....	0	0	0	0	0	1	0	4	1	0	0	0	6
Sculpin, other sp.....	0	0	0	0	0	3	0	7	3	2	0	0	15
Shark, blue.....	0	0	0	0	0	0	0	50	0	0	0	0	50
Shark, soupfin.....	0	0	0	0	0	0	0	22	11	0	0	0	33
Sole, curlfin (turbot)	0	0	0	0	0	0	0	51	8	6	0	0	65
Sole, Dover.....	0	0	0	10	5	0	15	46	3	0	0	0	79
Sole, petrale.....	3	0	0	6	2	0	79	5	6	0	0	0	101
Sole, rock.....	0	0	0	0	0	0	0	3	0	1	0	0	4
Sole, sand.....	0	0	0	6	5	2	88	10	0	7	0	0	118
Surfperch sp.....	0	0	0	3	2	0	0	0	0	1	0	0	6
Tuna, albacore.....	0	0	0	0	0	0	597	0	0	0	0	0	597
Wolf-eel.....	14	0	19	377	174	279	179	368	76	78	0	0	1564

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, ocean	140835	25273	76097	38574	28222	14059	5110	1881	0	0	0	351721	681772
Shrimp, coonstripe....	0	0	0	20	0	0	106	118	0	101	0	0	345
MOLLUSKS:													
Octopus.....	853	131	1081	526	200	192	467	197	0	0	0	0	3647
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	7	0	0	0	0	0	0	7
Sea urchin, red.....	7610	0	15539	36956	1693	0	0	3407	0	904	18391	30305	114805
TOTAL	171961	25915	102521	148077	96112	115272	109317	418530	54527	61080	43796	383648	1730756

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	269	0	68	248	440	876	5153	3428	1076	1120	147	273	13098
Greenling sp.....	578	0	106	353	1104	1879	3811	4769	1403	1617	230	1467	17317
Lingcod.....	0	0	0	1137	1013	963	3036	4199	2071	0	0	0	12419
Lord, red Irish.....	0	0	0	0	4	4	0	0	0	2	0	0	10
Nominal POP.....	0	0	0	0	0	0	0	2	9	1	0	0	12
Rockfish, black.....	875	0	83	112	988	1834	6110	4445	1460	2586	210	797	19500
Rockfish, canary.....	0	0	0	58	39	39	1166	1103	402	267	3	4	3081
Rockfish, widow.....	0	0	0	0	0	0	0	150	0	24	0	0	174
Rockfish, yellowtail..	179	0	140	0	5	20	266	208	5	85	0	0	908
Rockfish, other sp....	666	0	19	807	605	1027	10189	11905	5854	4440	217	273	36002
Sablefish.....	0	0	0	0	0	0	0	0	0	64	0	0	64
Salmon, chinook.....	0	0	0	0	16	2023	339	680	23	0	0	0	3081
Skates and rays.....	0	0	0	0	0	0	0	0	0	9	0	0	9
Sole, sand.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Surfperch sp.....	0	0	0	0	0	0	0	12	0	0	0	0	12
Tuna, albacore.....	0	0	0	0	0	0	761	0	2380	0	0	0	3141
Wolf-eel.....	0	0	0	0	0	0	40	18	16	37	0	0	111
CRUSTACEANS:													
Crab, Dungeness, ocean	0	357	551	2252	3352	384	451	466	0	0	0	3547	11360
Shrimp, coonstripe....	0	0	0	14	45	0	0	63	0	5	0	0	127
MOLLUSKS:													
Octopus.....	0	0	0	39	0	0	0	0	0	0	0	0	39
Scallops, rock.....	0	0	0	0	0	0	0	0	0	3	0	0	3
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	1361	0	0	0	4239	30461	20541	2087	0	58689
TOTAL	2567	357	967	6381	7611	9049	31324	35687	45160	30801	2894	6361	179159

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	4	0	60	520	852	1537	1193	682	355	148	0	14	5365
Cod, Pacific.....	0	0	0	0	0	0	0	0	8	0	0	0	8
Flounder, arrowtooth..	682	6	1490	50	1342	1740	1500	6968	2376	7604	3873	2120	29751
Flounder, starry.....	0	0	0	0	0	0	0	15	0	0	0	0	15
Greenling sp.....	0	0	4	40	202	340	151	129	81	62	0	0	1009
Grenadier.....	0	1218	9677	0	3920	2536	781	11088	1856	12655	1014	148	44893
Halibut, Pacific.....	0	0	0	0	0	0	6801	0	0	0	0	0	6801
Lingcod.....	469	76	731	2404	4743	9008	5018	7315	3477	2394	897	977	37509
Lord, red Irish.....	0	0	4	0	0	0	0	0	4	0	0	0	8
Mackerel, Pacific.....	0	0	0	0	0	0	0	875	0	0	0	0	875
Nominal POP.....	1393	115	2908	2074	4191	8576	4956	6187	6748	417	253	240	38058
Rockfish, black.....	70	0	125	2498	3516	3831	7000	3663	3630	6352	56	76	30817
Rockfish, canary.....	420	457	2425	2938	10014	24273	6587	6506	5007	917	6	40	59590
Rockfish, widow.....	43191	22259	136052	17303	35102	44705	2069	13290	8902	26076	37602	8362	394913
Rockfish, yellowtail..	532	1905	8171	4091	30466	43774	10298	14833	8282	308	0	0	122660
Rockfish, other sp....	1702	99	10051	3842	14536	13070	4991	5123	3256	2142	752	1226	60790
Thornyhead, longspine	2319	6501	25908	2619	24995	19695	22740	32208	13581	28876	9890	2905	192237
Thornyhead, shortspine	4775	4479	12091	2717	9041	10431	4515	10550	3188	9078	4518	1537	76920
Sablefish.....	9194	16490	72430	12949	44952	59877	24571	65945	24506	47554	24814	14304	417586
Salmon, chinook.....	0	0	0	0	201	1467	505	9254	1796	6117	865	0	20205
Sanddab, Pacific.....	9	0	0	1377	637	306	571	642	712	3367	0	0	7621
Sculpin, buffalo.....	0	0	4	4	0	22	0	0	0	0	0	0	30
Shark, soupfin.....	0	0	0	0	26	0	23	15	0	36	0	0	100
Skates and rays.....	9075	0	10797	5689	10787	16164	13099	11415	8281	24412	9332	6698	125749
Sole, curlfin (turbot)	0	0	0	5	4	2	0	126	0	0	0	0	137
Sole, Dover.....	28429	30808	143678	26934	83156	110855	53848	109113	41477	155372	57363	32666	873699
Sole, English.....	449	3	3845	1797	5022	2038	12676	6835	6104	11422	222	566	50979
Sole, petrale.....	34155	234	5795	1431	2642	1003	3525	2001	3555	5713	3047	35173	98274
Sole, rex.....	6862	1566	4996	1835	4434	5601	1125	3650	2013	6765	2443	4277	45567

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, sand.....	0	0	0	0	0	0	0	22	5	0	0	0	27
Surfperch sp.....	0	0	366	323	0	0	0	2	2	0	0	0	693
Tuna, albacore.....	0	0	0	0	0	0	541	163	7636	8005	0	0	16345
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	970	2605	3575
Wolf-eel.....	0	0	0	15	10	16	20	0	0	0	0	0	61
Wrymouth, giant.....	0	0	0	0	0	0	0	6	0	7	0	0	13
CRUSTACEANS:													
Crab, Dungeness, ocean	178199	31385	45462	12852	24060	9617	3244	960	0	0	0	1346718	1652497
Shrimp, coonstripe....	0	0	0	0	0	27	36	358	324	0	0	0	745
Shrimp, pink.....	0	0	0	567841	395629	172655	212529	235355	87524	74950	0	0	1746483
Shrimp, spot.....	0	0	0	0	0	0	0	901	0	235	0	1292	2428
MOLLUSKS:													
Octopus.....	743	211	556	139	157	12	20	0	0	8	0	123	1969
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	13369	5881	507	0	8268	1098	2598	0	0	31721
TOTAL	322672	117812	497626	687656	720518	563685	404933	574463	245784	443590	157917	1462067	6198723

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999.

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.....	17	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	0	0	0	0	0	0
Greenling sp.....	4	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.....	7258	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.....	11081	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
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0
Prowfish.....	0	0	0	0	0	0	0	0	0	0
Ragfish.....	0	0	0	0	0	0	0	0	0	0
Ratfish.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0
Nominal POP.....	26	0	0	0	0	0	0	0	0	0
Rockfish, black.....	1760	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	4021	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	65	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	2497	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	8109	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (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
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.....	0	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	831089	0	0	0	117031	121931	0	5194	0	0
Salmon, chum.....	21	0	0	0	87	0	0	0	0	0
Salmon, coho.....	977	0	0	0	469208	3094	0	569	0	0
Salmon, pink.....	244	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	0	0	103783	0	0	1003	0	0
Shark, blue.....	0	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..	160	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	12759	0	0	0	0	0
Snailfish, blacktail..	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0
Sole, English.....	0	0	0	0	0	0	0	0	0	0
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0
Sole, petrale.....	4	0	0	0	0	0	0	0	0	0
Sole, rex.....	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Sole, rock.....	0	0	0	0	0	0	0	0	0	0
Sole, sand.....	0	0	0	0	0	0	0	0	0	0
Steelhead.....	0	0	0	0	0	2678	0	0	0	0
Sturgeon, green.....	0	0	0	0	19238	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	186986	20013	17338	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.....	13106	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	4552878	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	320	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	26	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, hermit.....	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, other.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (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
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
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, rock.....	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 anemone.....	0	0	0	0	0	0	0	0	0	0
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	5433637	0	0	0	909092	147742	17338	6766	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (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:										
Cabezon.....	0	22495	0	35448	122	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	81740	401	854	0	0	0
Flounder, arrowtooth.	107	1341	0	0	4987640	4826	27644	0	0	0
Flounder, starry.....	0	8	0	1	48019	0	0	0	0	0
Greenling sp.....	0	4662	0	49609	0	0	0	0	0	0
Grenadier.....	0	18	0	0	273274	0	0	0	0	0
Hagfish sp.....	667550	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	0	99	0	0	0	0	0
Halibut, Pacific.....	0	342186	0	68	229	648	0	0	0	0
Herring, Pacific.....	0	0	0	130	0	70225	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	401	36202	0	56002	214639	1424	61610	0	0	0
Lord, red Irish.....	0	12	0	49	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	184	0
Mackerel, jack.....	0	0	0	0	10591	1080022	0	0	0	0
Mackerel, Pacific....	0	0	0	16	1949	569134	58	0	0	0
Opah.....	0	0	0	0	0	0	0	0	363	0
Pollock, walleye.....	0	0	0	0	102	55	0	0	0	0
Prowfish.....	0	0	0	0	392	0	0	0	0	0
Ragfish.....	0	0	0	0	72	0	0	0	0	0
Ratfish.....	0	8	0	0	0	9	0	0	0	0
Pacific Ocean perch..	0	180	0	145	682640	2887	187	0	0	0
Nominal POP.....	1062	9955	0	486	685994	22436	21342	0	0	0
Rockfish, black.....	0	31373	0	242833	5140	2	0	0	0	0
Rockfish, canary.....	0	130079	0	83307	642281	5098	68869	0	0	0
Rockfish, widow.....	35	12878	0	19363	2083098	4511332	13611	0	0	0
Rockfish, yellowtail.	0	69840	0	54804	2371816	946668	101844	0	0	0
Rockfish, other sp...	8286	257507	0	104738	866172	10847	45957	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Thornyhead, longspine	4	36	0	0	1632560	966	417	0	0	0
Thornyhead, shortspin	113	3446	0	0	701222	1452	924	0	0	0
Sablefish.....	1417419	1478461	0	2597	3587932	17799	86503	0	0	0
Salmon, chinook.....	0	0	0	0	0	8235	0	0	0	0
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0
Salmon, coho.....	0	0	0	0	0	18	0	0	0	0
Salmon, pink.....	0	0	0	0	0	4	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	599697	0	2745	0	0	0
Sardine, Pacific.....	0	0	0	0	0	251	0	0	0	0
Sculpin, buffalo.....	0	1	0	34	0	0	0	0	0	0
Sculpin, other sp.....	0	7	0	4	0	0	0	0	0	0
Shad, American.....	0	0	0	0	3253	94851	4	0	0	0
Shark, blue.....	106	88	0	0	0	335	0	0	0	0
Shark, Pacific sleepe	0	1075	0	0	0	0	0	0	0	0
Shark, shortfin mako.	0	66	0	0	0	59	0	0	260	0
Shark, sixgill.....	0	60	0	0	42	0	0	0	0	0
Shark, soupfin.....	0	658	0	0	289	354	185	0	174	0
Shark, spiny dogfish.	426	60	0	0	124216	71264	18	0	0	0
Shark, thresher.....	0	0	0	0	370	1996	258	0	184	0
Skates and rays.....	168	3199	0	40	1288385	1449	7747	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Snailfish, blacktail.	0	0	0	0	0	3	0	0	0	0
Sole, butter.....	0	0	0	0	1053	0	0	0	0	0
Sole, curlfin (turbot)	3	62	0	0	5591	0	179	0	0	0
Sole, Dover.....	142	141	0	0	9768026	1405	180750	0	0	0
Sole, English.....	0	0	0	0	747046	24	21773	0	0	0
Sole, flathead.....	0	0	0	0	5883	0	687	0	0	0
Sole, petrale.....	0	271	0	2	1465207	0	21427	0	0	0
Sole, rex.....	0	0	0	0	613279	75	8246	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sole, rock.....	0	0	0	4	9683	0	18	0	0	0
Sole, sand.....	0	103	0	19	174489	0	0	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	817	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	125	0	0	0	0	0
Surfperch sp.....	0	0	0	720	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	18549	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	50	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	29747	160934974	0	0	0	0
Wolf-eel.....	0	1232	0	241	535	12	11	0	0	0
Wrymouth, giant.....	0	0	0	13	831	0	228	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	47	0	0	0	0
Crab, hermit.....	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, other.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe...	0	0	0	0	0	0	0	0	0	1217
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	20451242	0	0	0
Shrimp, spot.....	0	0	0	0	253	0	21441	0	0	517

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
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
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	992	0	271	1381	0	63	0	0	0
Scallops, rock.....	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	227	2204	40	0	0	0
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	0	0	0	0	0	0
Sea cucumber.....	0	0	0	7	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	2095822	2408702	0	650951	33718148	168363791	21146882	0	19764	1734

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:											
Cabezon.....	243	0	0	0	0	0	0	0	0	0	58325
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	82995
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0	5021558
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0	48028
Greenling sp.....	2	0	0	0	0	2	0	0	0	0	54279
Grenadier.....	0	0	0	0	0	0	0	0	0	0	273292
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0	667550
Halibut, California...	0	0	0	0	0	0	0	0	0	0	99
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	350389
Herring, Pacific.....	0	0	0	0	0	0	0	0	1500	0	71855
Lamprey, Pacific.....	0	0	0	0	0	29449	0	0	0	0	29449
Lingcod.....	126	0	0	0	0	0	0	0	0	0	381485
Lord, red Irish.....	0	0	0	0	0	2	0	0	0	0	63
Louvar.....	0	0	0	0	0	0	0	0	0	0	184
Mackerel, jack.....	0	0	0	0	0	0	0	0	3136	0	1093749
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	0	571157
Opah.....	0	0	0	0	0	0	0	0	0	0	363
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0	157
Prowfish.....	0	0	0	0	0	0	0	0	0	0	392
Ragfish.....	0	0	0	0	0	0	0	0	0	0	72
Ratfish.....	0	0	0	0	0	0	0	0	0	0	17
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0	686039
Nominal POP.....	3	0	0	0	0	0	0	0	0	0	741304
Rockfish, black.....	149	0	0	0	0	0	0	0	0	0	281257
Rockfish, canary.....	0	0	0	0	0	0	0	0	0	0	933655
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	0	6640382
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	3547469
Rockfish, other sp....	33	0	0	0	0	0	0	0	0	0	1301649

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TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (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
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	1633983
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	707157
Sablefish.....	0	0	0	0	0	0	0	0	0	6590711
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	1083480
Salmon, chum.....	0	0	0	0	0	0	0	0	0	108
Salmon, coho.....	0	0	0	0	0	0	0	0	0	473866
Salmon, pink.....	0	0	0	0	0	0	0	0	0	248
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	602442
Sardine, Pacific.....	0	0	0	0	0	0	0	1709435	0	1709686
Sculpin, buffalo.....	4	0	0	0	0	0	0	0	0	39
Sculpin, other sp.....	4	0	0	0	0	0	0	0	0	15
Shad, American.....	0	0	0	0	0	0	0	0	0	202894
Shark, blue.....	0	0	0	0	0	0	0	0	0	529
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	1075
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	545
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	102
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	1660
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	195984
Shark, thresher.....	0	0	0	0	0	0	0	0	0	2808
Skates and rays.....	0	0	0	0	0	0	0	0	0	1300988
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	12759
Snailfish, blacktail..	0	0	0	0	0	0	0	0	0	3
Sole, butter.....	0	0	0	0	0	0	0	0	0	1053
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	5835
Sole, Dover.....	0	0	0	0	0	0	0	0	0	9950464
Sole, English.....	0	0	0	0	0	0	0	0	0	768843
Sole, flathead.....	0	0	0	0	0	0	0	0	0	6570
Sole, petrale.....	3	0	0	0	0	0	0	0	0	1486914
Sole, rex.....	0	0	0	0	0	0	0	0	0	621600

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (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
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	9705
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	174611
Steelhead.....	0	0	0	0	0	0	0	0	0	0	2678
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	20055
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	224462
Surfperch sp.....	0	0	0	0	0	7	0	0	0	0	727
Swordfish.....	0	0	0	0	0	0	0	0	0	0	18549
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	13156
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	4552878
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0	320
Walleye.....	0	0	0	0	0	0	0	0	0	0	26
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	160964721
Wolf-eel.....	1369	0	0	0	0	0	0	0	0	0	3400
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0	1072
CRUSTACEANS:											
Crab, box.....	115	0	0	0	0	0	0	0	0	0	115
Crab, Dungeness, bay..	0	35177	0	0	0	0	0	0	0	0	35177
Crab, Dungeness, ocean	12311911	0	0	0	0	0	0	0	0	0	12311958
Crab, hermit.....	0	0	0	0	0	14	0	0	0	0	14
Crab, kelp.....	0	2	0	0	0	1	0	0	0	0	3
Crab, rock.....	0	536	0	0	0	0	0	0	0	0	536
Crab, other.....	0	0	1	0	0	0	0	0	0	0	1
Crayfish.....	0	0	0	0	0	0	0	0	0	69706	69706
Shrimp, brine.....	0	0	0	0	0	33800	0	0	0	0	33800
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	1217
Shrimp, ghost.....	0	0	0	0	0	0	0	40345	0	0	40345
Shrimp, mud.....	0	0	0	0	0	0	0	16436	0	0	16436
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	20451242
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	22211

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1999. (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
MOLLUSKS:										
Clams, butter.....	0	0	0	0	38172	0	0	0	0	38172
Clams, cockle.....	0	0	1327	0	38008	0	0	0	0	39335
Clams, gaper.....	0	0	68	0	8248	0	0	0	0	8316
Clams, littleneck.....	0	0	3	0	2926	0	0	0	0	2929
Clams, razor.....	0	0	483	0	0	0	0	0	0	483
Clams, softshell.....	0	0	15	0	32	0	0	0	0	47
Mussels, ocean.....	0	0	0	0	1825	0	0	0	0	1825
Octopus.....	5399	0	0	0	23	0	0	0	0	8129
Scallops, rock.....	0	0	0	0	3	0	0	0	0	3
Snails & chitons.....	30	0	0	0	1	0	0	0	0	31
Squid.....	0	0	0	0	0	0	0	0	0	2471
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	10	0	0	0	0	10
Sea cucumber.....	0	0	0	0	0	0	0	0	0	7
Sea stars.....	592	12	0	0	317	0	0	0	0	921
Sea urchin, red.....	0	0	0	0	248283	0	0	0	0	248283
TOTAL	12319983	35727	1897	0	401123	0	56781	1714071	69706	249519657

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999.

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.....	9	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	0	0	0	0	0	0
Greenling sp.....	1	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.....	13418	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.....	9596	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
Ragfish.....	0	0	0	0	0	0	0	0	0	0
Ratfish.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0
Nominal POP.....	9	0	0	0	0	0	0	0	0	0
Rockfish, black.....	925	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	2992	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	33	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	1495	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	4994	0	0	0	0	0	0	0	0	0
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Sablefish.....	0	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	1404634	0	0	0	171291	65195	0	3738	0	0
Salmon, chum.....	14	0	0	0	20	0	0	0	0	0
Salmon, coho.....	875	0	0	0	392770	2219	0	398	0	0
Salmon, pink.....	140	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	0	0	21384	0	0	489	0	0
Shark, blue.....	0	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..	350	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	51279	0	0	0	0	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0
Sole, English.....	0	0	0	0	0	0	0	0	0	0
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0
Sole, petrale.....	4	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	1515	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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, green.....	0	0	0	0	5294	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	232398	32210	38741	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.....	37955	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	3783567	0	0	0	0	0	0	0	0	0
Tuna, yellowfin.....	198	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	26	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, hermit.....	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, other.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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, razor.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, rock.....	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 anemone.....	0	0	0	0	0	0	0	0	0	0
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	5261209	0	0	0	874436	101165	38741	4625	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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:										
Cabezon.....	0	30911	0	67992	60	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	36593	154	451	0	0	0
Flounder, arrowtooth.	9	160	0	0	479794	298	2682	0	0	0
Flounder, starry.....	0	20	0	2	17764	0	0	0	0	0
Greenling sp.....	0	12694	0	167799	0	0	0	0	0	0
Grenadier.....	0	10	0	0	26778	0	0	0	0	0
Hagfish sp.....	164862	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	0	77	0	0	0	0	0
Halibut, Pacific.....	0	578514	0	156	27	86	0	0	0	0
Herring, Pacific.....	0	0	0	314	0	0	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	259	40910	0	71288	131545	585	35694	0	0	0
Lord, red Irish.....	0	33	0	139	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	324	0
Mackerel, jack.....	0	0	0	0	774	2888	0	0	0	0
Mackerel, Pacific....	0	0	0	5	0	1001	3	0	0	0
Opah.....	0	0	0	0	0	0	0	0	265	0
Ragfish.....	0	0	0	0	24	0	0	0	0	0
Ratfish.....	0	18	0	0	0	0	0	0	0	0
Pacific Ocean perch..	0	108	0	87	260457	1037	71	0	0	0
Nominal POP.....	1055	4109	0	258	211554	2173	6419	0	0	0
Rockfish, black.....	0	17858	0	144919	2057	1	0	0	0	0
Rockfish, canary.....	0	127086	0	81793	275247	1360	28544	0	0	0
Rockfish, widow.....	26	6030	0	9436	798329	1669121	5136	0	0	0
Rockfish, yellowtail.	0	39275	0	31431	945938	308882	40622	0	0	0
Rockfish, other sp...	5245	314458	0	214113	346003	2398	17625	0	0	0
Thornyhead, longspine	6	18	0	0	1157925	446	259	0	0	0
Thornyhead, shortspin	133	3232	0	0	630596	751	713	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sablefish.....	2003168	2126795	0	3563	3545775	11920	73823	0	0	0
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	137135	0	844	0	0	0
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sculpin, buffalo.....	0	1	0	16	0	0	0	0	0	0
Sculpin, other sp....	0	17	0	4	0	0	0	0	0	0
Shad, American.....	0	0	0	0	144	0	0	0	0	0
Shark, blue.....	27	22	0	0	0	0	0	0	0	0
Shark, Pacific sleeper	0	667	0	0	0	0	0	0	0	0
Shark, shortfin mako.	0	66	0	0	0	89	0	0	283	0
Shark, sixgill.....	0	33	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	422	0	0	182	0	169	0	174	0
Shark, spiny dogfish.	38	12	0	0	15172	0	3	0	0	0
Shark, thresher.....	0	0	0	0	444	2096	309	0	184	0
Skates and rays.....	30	352	0	72	145468	15	1022	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	284	0	0	0	0	0
Sole, curlfin (turbot)	1	25	0	0	1756	0	90	0	0	0
Sole, Dover.....	46	54	0	0	3197119	448	60627	0	0	0
Sole, English.....	0	0	0	0	233876	9	7103	0	0	0
Sole, flathead.....	0	0	0	0	1987	0	232	0	0	0
Sole, petrale.....	0	294	0	2	1400173	0	19015	0	0	0
Sole, rex.....	0	0	0	0	202150	16	2969	0	0	0
Sole, rock.....	0	0	0	4	3226	0	7	0	0	0
Sole, sand.....	0	61	0	21	132022	0	0	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0

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TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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, green.....	0	0	0	0	700	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	124	0	0	0	0	0
Surfperch sp.....	0	0	0	814	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	46956	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	163	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	1918	5915564	0	0	0	0
Wolf-eel.....	0	726	0	269	114	0	2	0	0	0
Wrymouth, giant.....	0	0	0	10	157	0	36	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, hermit.....	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, other.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, coonstripe...	0	0	0	3756	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	9570883	0	0	0
Shrimp, spot.....	0	0	0	1551	762	0	99633	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 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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, razor.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	424	0	121	679	0	33	0	0	0
Scallops, rock.....	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	1	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	0	0	0	0	0	0
Sea cucumber.....	0	0	0	2	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	2174905	3305415	0	799937	14342910	7921338	9975019	0	48349	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:											
Cabezon.....	224	0	0	0	0	0	0	0	0	0	99196
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	37198
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0	482943
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0	17786
Greenling sp.....	5	0	0	0	0	20	0	0	0	0	180519
Grenadier.....	0	0	0	0	0	0	0	0	0	0	26788
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0	164862
Halibut, California...	0	0	0	0	0	0	0	0	0	0	77
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	592201
Herring, Pacific.....	0	0	0	0	0	0	0	0	750	0	1064
Lamprey, Pacific.....	0	0	0	0	0	31113	0	0	0	0	31113
Lingcod.....	120	0	0	0	0	0	0	0	0	0	289997
Lord, red Irish.....	0	0	0	0	0	10	0	0	0	0	182
Louvar.....	0	0	0	0	0	0	0	0	0	0	324
Mackerel, jack.....	0	0	0	0	0	0	0	0	156	0	3818
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	0	1009
Opah.....	0	0	0	0	0	0	0	0	0	0	265
Ragfish.....	0	0	0	0	0	0	0	0	0	0	24
Ratfish.....	0	0	0	0	0	0	0	0	0	0	18
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0	261760
Nominal POP.....	3	0	0	0	0	0	0	0	0	0	225580
Rockfish, black.....	91	0	0	0	0	0	0	0	0	0	165851
Rockfish, canary.....	0	0	0	0	0	0	0	0	0	0	517022
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	0	2488111
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	1367643
Rockfish, other sp....	27	0	0	0	0	0	0	0	0	0	904863
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0	1158654
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0	635425

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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
Sablefish.....	0	0	0	0	0	0	0	0	0	7765044
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	1644858
Salmon, chum.....	0	0	0	0	0	0	0	0	0	34
Salmon, coho.....	0	0	0	0	0	0	0	0	0	396262
Salmon, pink.....	0	0	0	0	0	0	0	0	0	140
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	137979
Sardine, Pacific.....	0	0	0	0	0	0	0	85888	0	85888
Sculpin, buffalo.....	2	0	0	0	0	0	0	0	0	19
Sculpin, other sp.....	2	0	0	0	0	0	0	0	0	23
Shad, American.....	0	0	0	0	0	0	0	0	0	22017
Shark, blue.....	0	0	0	0	0	0	0	0	0	49
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	667
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	788
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	33
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	947
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	15225
Shark, thresher.....	0	0	0	0	0	0	0	0	0	3033
Skates and rays.....	0	0	0	0	0	0	0	0	0	146959
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	51279
Sole, butter.....	0	0	0	0	0	0	0	0	0	284
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	1872
Sole, Dover.....	0	0	0	0	0	0	0	0	0	3258294
Sole, English.....	0	0	0	0	0	0	0	0	0	240988
Sole, flathead.....	0	0	0	0	0	0	0	0	0	2219
Sole, petrale.....	3	0	0	0	0	0	0	0	0	1419491
Sole, rex.....	0	0	0	0	0	0	0	0	0	205135
Sole, rock.....	0	0	0	0	0	0	0	0	0	3237
Sole, sand.....	0	0	0	0	0	0	0	0	0	132104
Steelhead.....	0	0	0	0	0	0	0	0	0	1515

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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, green.....	0	0	0	0	0	0	0	0	0	0	5994
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	303473
Surfperch sp.....	0	0	0	0	0	35	0	0	0	0	849
Swordfish.....	0	0	0	0	0	0	0	0	0	0	46956
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	38118
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	3783567
Tuna, yellowfin.....	0	0	0	0	0	0	0	0	0	0	198
Walleye.....	0	0	0	0	0	0	0	0	0	0	26
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	5917482
Wolf-eel.....	756	0	0	0	0	0	0	0	0	0	1867
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0	203
CRUSTACEANS:											
Crab, box.....	285	0	0	0	0	0	0	0	0	0	285
Crab, Dungeness, bay..	0	64485	0	0	0	0	0	0	0	0	64485
Crab, Dungeness, ocean	22843726	0	0	0	0	0	0	0	0	0	22843726
Crab, hermit.....	0	0	0	0	0	40	0	0	0	0	40
Crab, kelp.....	0	2	0	0	0	1	0	0	0	0	3
Crab, rock.....	0	536	0	0	0	0	0	0	0	0	536
Crab, other.....	0	0	1	0	0	0	0	0	0	0	1
Crayfish.....	0	0	0	0	0	0	0	0	0	109740	109740
Shrimp, brine.....	0	0	0	0	0	33800	0	0	0	0	33800
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	3756
Shrimp, ghost.....	0	0	0	0	0	0	0	70516	0	0	70516
Shrimp, mud.....	0	0	0	0	0	0	0	22258	0	0	22258
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	9570883
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	101946
MOLLUSKS:											
Clams, butter.....	0	0	0	0	0	12402	0	0	0	0	12402
Clams, cockle.....	0	0	730	0	0	14450	0	0	0	0	15180

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1999. (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	41	0	6186	0	0	0	0	6227
Clams, littleneck.....	0	0	1	0	5092	0	0	0	0	5093
Clams, razor.....	0	0	1299	0	0	0	0	0	0	1299
Clams, softshell.....	0	0	15	0	19	0	0	0	0	34
Mussels, ocean.....	0	0	0	0	1499	0	0	0	0	1499
Octopus.....	4084	0	0	0	12	0	0	0	0	5353
Scallops, rock.....	0	0	0	0	4	0	0	0	0	4
Snails & chitons.....	60	0	0	0	10	0	0	0	0	70
Squid.....	0	0	0	0	0	0	0	0	0	1
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	47	0	0	0	0	47
Sea cucumber.....	0	0	0	0	0	0	0	0	0	2
Sea stars.....	704	12	0	0	326	0	0	0	0	1042
Sea urchin, red.....	0	0	0	0	138867	0	0	0	0	138867
TOTAL	22850092	65035	2087	0	243933	0	92774	86794	109740	68298504

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Cabezon.....	0	0	0	0	4	0	0	8	5	0	0	0	17
Greenling sp.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Halibut, Pacific.....	0	0	0	0	2150	5087	21	0	0	0	0	0	7258
Lingcod.....	0	0	0	632	1017	2575	1431	4705	606	102	13	0	11081
Nominal POP.....	0	0	0	0	0	0	0	26	0	0	0	0	26
Rockfish, black.....	0	0	0	15	48	92	0	1325	175	90	15	0	1760
Rockfish, canary.....	0	0	0	372	875	973	143	1428	215	15	0	0	4021
Rockfish, widow.....	0	0	0	0	5	4	9	9	2	36	0	0	65
Rockfish, yellowtail..	0	0	0	242	174	938	141	831	107	64	0	0	2497
Rockfish, other sp....	0	0	0	541	745	2057	575	3490	585	103	10	3	8109
Salmon, chinook.....	0	0	0	8499	76691	363073	64526	222406	19516	51637	23987	754	831089
Salmon, chum.....	0	0	0	0	0	21	0	0	0	0	0	0	21
Salmon, coho.....	0	0	0	0	0	0	64	913	0	0	0	0	977
Salmon, pink.....	0	0	0	0	5	125	57	44	13	0	0	0	244
Shark, shortfin mako..	0	0	0	0	0	0	44	82	34	0	0	0	160
Sole, petrale.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Tuna, bluefin.....	0	0	0	0	0	0	0	0	5358	7317	431	0	13106
Tuna, albacore.....	0	0	0	0	0	262533	1081050	2163293	799621	224886	21475	20	4552878
Tuna, yellowfin.....	0	0	0	0	0	0	72	248	0	0	0	0	320
TOTAL	0	0	0	10301	81714	637482	1148133	2398812	826237	284250	45931	777	5433637
<u>COL. R. GILLNET</u>													
FISH:													
Salmon, chinook.....	0	288	93	3749	14702	5786	3651	28014	42093	18589	66	0	117031
Salmon, chum.....	0	0	0	0	0	0	0	0	0	87	0	0	87
Salmon, coho.....	0	0	0	0	0	0	0	5453	265682	198073	0	0	469208
Shad, American.....	0	0	0	0	11931	91852	0	0	0	0	0	0	103783
Smelt (eulachon).....	3025	8123	0	0	0	0	0	0	0	0	0	1611	12759
Sturgeon, green.....	0	0	0	0	44	41	0	13516	4663	974	0	0	19238

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, white.....	20497	15839	30	1852	8077	1651	2418	59631	9260	57214	10517	0	186986
TOTAL	23522	24250	123	5601	34754	99330	6069	106614	321698	274937	10583	1611	909092
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	119722	2209	0	0	121931
Salmon, coho.....	0	0	0	0	0	0	0	0	2768	326	0	0	3094
Steelhead.....	0	0	0	0	0	0	0	0	2285	393	0	0	2678
Sturgeon, white.....	0	2886	17127	0	0	0	0	0	0	0	0	0	20013
Walleye.....	0	0	0	0	0	0	0	0	26	0	0	0	26
TOTAL	0	2886	17127	0	0	0	0	0	124801	2928	0	0	147742
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	0	215	0	6912	5387	1015	0	0	0	0	3337	472	17338
TOTAL	0	215	0	6912	5387	1015	0	0	0	0	3337	472	17338
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	5194	0	0	0	5194
Salmon, coho.....	0	0	0	0	0	0	0	0	569	0	0	0	569
Shad, American.....	0	0	0	0	226	368	409	0	0	0	0	0	1003
TOTAL	0	0	0	0	226	368	409	0	5763	0	0	0	6766
<u>FISH POT</u>													
FISH:													
Flounder, arrowtooth..	0	0	0	0	0	20	0	87	0	0	0	0	107
Hagfish sp.....	27729	16497	68553	82377	55890	117789	115628	60831	0	44523	28755	48978	667550
Lingcod.....	0	0	0	0	0	0	0	391	0	10	0	0	401
Nominal POP.....	0	0	0	0	0	0	868	30	0	164	0	0	1062
Rockfish, widow.....	0	0	0	0	0	0	35	0	0	0	0	0	35
Rockfish, other sp....	0	0	0	0	26	53	2185	6022	0	0	0	0	8286

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Thornyhead, longspine	0	0	0	0	0	0	4	0	0	0	0	0	4
Thornyhead, shortspine	0	0	0	0	0	0	15	98	0	0	0	0	113
Sablefish.....	0	0	0	0	39321	294	24256	1313313	38643	1592	0	0	1417419
Shark, blue.....	0	0	0	0	0	0	106	0	0	0	0	0	106
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	426	0	0	426
Skates and rays.....	0	0	0	0	0	0	0	60	0	108	0	0	168
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	3	0	0	3
Sole, Dover.....	0	0	0	0	0	6	0	136	0	0	0	0	142
TOTAL	27729	16497	68553	82377	95237	118162	143097	1380968	38643	46826	28755	48978	2095822
BOTTOM LONGLINE													
FISH:													
Cabezon.....	2565	50	949	3088	1334	3888	2661	3252	2383	2224	101	0	22495
Flounder, arrowtooth..	0	0	2	8	74	139	102	889	60	63	4	0	1341
Flounder, starry.....	0	0	0	0	0	0	8	0	0	0	0	0	8
Greenling sp.....	137	20	87	438	285	985	789	797	565	541	18	0	4662
Grenadier.....	0	0	0	0	0	0	18	0	0	0	0	0	18
Halibut, Pacific.....	0	0	0	0	0	13381	180720	116348	0	31737	0	0	342186
Lingcod.....	3175	46	724	6724	2606	5132	7387	5687	3253	1185	283	0	36202
Lord, red Irish.....	0	0	0	0	0	8	1	1	0	2	0	0	12
Ratfish.....	0	0	0	0	0	0	0	0	8	0	0	0	8
Pacific Ocean perch...	0	0	0	0	0	180	0	0	0	0	0	0	180
Nominal POP.....	149	0	38	830	542	729	2024	3509	1938	165	31	0	9955
Rockfish, black.....	2313	185	958	4025	2016	6387	4188	5102	4303	1723	173	0	31373
Rockfish, canary.....	4277	8	669	16818	28290	29861	25219	14996	8420	1433	88	0	130079
Rockfish, widow.....	50	0	777	810	2404	2494	1036	3315	1745	247	0	0	12878
Rockfish, yellowtail..	706	0	1930	4707	8401	11131	18170	15839	8666	261	29	0	69840
Rockfish, other sp....	4380	88	1040	18169	14234	48191	69772	55575	39468	6157	433	0	257507
Thornyhead, longspine	0	0	0	0	0	0	1	35	0	0	0	0	36
Thornyhead, shortspine	0	0	0	4	136	71	81	2997	0	119	38	0	3446
Sablefish.....	1447	0	1209	5914	25588	11120	42954	1340751	29331	17778	2369	0	1478461

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sculpin, buffalo.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Sculpin, other sp.....	0	0	0	0	0	2	0	0	3	2	0	0	7
Shark, blue.....	0	0	0	0	0	0	35	50	0	3	0	0	88
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	1075	0	0	1075
Shark, shortfin mako..	0	0	0	0	0	0	41	25	0	0	0	0	66
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	60	0	0	60
Shark, soupfin.....	0	0	0	0	0	0	87	22	11	538	0	0	658
Shark, spiny dogfish..	0	0	0	0	0	0	2	0	0	58	0	0	60
Skates and rays.....	0	0	0	0	8	0	2049	1063	0	79	0	0	3199
Sole, curlfin (turbot)	0	0	0	0	0	0	0	51	8	3	0	0	62
Sole, Dover.....	0	0	0	10	10	0	19	88	5	9	0	0	141
Sole, petrale.....	0	0	0	6	2	0	195	54	14	0	0	0	271
Sole, sand.....	0	0	0	6	5	2	83	4	0	3	0	0	103
Wolf-eel.....	14	0	19	363	129	182	118	236	64	107	0	0	1232
MOLLUSKS:													
Octopus.....	85	0	0	122	33	123	455	174	0	0	0	0	992
TOTAL	19298	397	8402	62042	86097	134007	358215	1570860	100245	65572	3567	0	2408702
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabezon.....	610	0	377	3219	3504	5721	9523	7478	2832	1664	234	286	35448
Flounder, starry.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Greenling sp.....	1107	0	541	5251	4835	8073	10310	11452	3022	3166	381	1471	49609
Halibut, Pacific.....	0	0	0	0	35	33	0	0	0	0	0	0	68
Herring, Pacific.....	0	25	0	0	0	1	52	44	8	0	0	0	130
Lingcod.....	54	0	6	9187	7920	8684	12263	11885	5616	387	0	0	56002
Lord, red Irish.....	0	0	4	3	13	10	4	9	4	2	0	0	49
Mackerel, Pacific.....	0	0	0	0	0	0	0	16	0	0	0	0	16
Pacific Ocean perch...	0	0	0	0	0	145	0	0	0	0	0	0	145
Nominal POP.....	0	0	97	75	57	43	88	115	11	0	0	0	486

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, black.....	2443	108	2534	28492	32910	47121	42677	42020	23147	17834	2207	1340	242833
Rockfish, canary.....	661	0	3494	16873	13949	15176	10828	16115	4150	1513	18	530	83307
Rockfish, widow.....	2276	0	4156	1516	878	932	1182	4545	3743	135	0	0	19363
Rockfish, yellowtail..	1193	1	1921	7485	5772	7654	6725	13701	8697	1135	21	499	54804
Rockfish, other sp....	1724	5	2751	7395	9095	16741	24578	27029	8479	5979	600	362	104738
Sablefish.....	0	0	0	0	0	1321	450	254	0	572	0	0	2597
Sculpin, buffalo.....	0	0	4	4	0	22	0	0	4	0	0	0	34
Sculpin, other sp....	0	0	0	0	0	1	0	3	0	0	0	0	4
Skates and rays.....	0	0	0	0	0	0	0	40	0	0	0	0	40
Sole, petrale.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Sole, rock.....	0	0	0	0	0	0	0	3	0	1	0	0	4
Sole, sand.....	0	0	0	0	0	0	9	6	0	4	0	0	19
Surfperch sp.....	0	0	366	326	2	0	0	14	11	1	0	0	720
Wolf-eel.....	0	0	0	14	16	8	70	69	28	36	0	0	241
Wrymouth, giant.....	0	0	0	0	0	0	0	6	0	7	0	0	13
MOLLUSKS:													
Octopus.....	9	0	0	47	138	34	12	23	0	8	0	0	271
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	7	0	0	0	0	0	0	7
TOTAL	10077	139	16251	79887	79126	111727	118772	134827	59752	32444	3461	4488	650951
<u>GROUND FISH TRAWL</u>													
FISH:													
Cabezon.....	0	0	0	0	0	0	36	76	10	0	0	0	122
Cod, Pacific.....	800	12	636	4958	13054	20351	19846	13498	4380	3542	295	368	81740
Flounder, arrowtooth..	70509	25044	120853	262251	1129742	1241877	1083431	398930	250703	207656	97298	99346	4987640
Flounder, starry.....	0	0	14	352	956	2293	12450	12690	10708	8506	50	0	48019
Grenadier.....	12368	1762	21790	25011	8499	28397	30092	53131	27838	51652	8905	3829	273274
Halibut, California...	0	0	15	0	0	12	0	52	20	0	0	0	99

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Halibut, Pacific.....	0	0	0	0	0	0	212	0	17	0	0	0	229
Lingcod.....	8931	1684	19029	21086	18794	46620	17580	39125	18443	16620	3824	2903	214639
Mackerel, jack.....	0	0	0	0	0	0	0	5354	329	4908	0	0	10591
Mackerel, Pacific.....	0	1074	0	0	0	0	0	875	0	0	0	0	1949
Pollock, walleye.....	0	0	0	0	0	0	102	0	0	0	0	0	102
Prowfish.....	0	0	0	0	0	0	392	0	0	0	0	0	392
Ragfish.....	0	0	72	0	0	0	0	0	0	0	0	0	72
Pacific Ocean perch...	27328	8174	44068	66589	74404	86311	157621	64047	75515	41159	9940	27484	682640
Nominal POP.....	50754	21868	73651	86885	86975	102830	102842	70359	76083	7813	1728	4206	685994
Rockfish, black.....	578	0	379	12	2357	595	556	233	74	356	0	0	5140
Rockfish, canary.....	22907	3932	51795	65201	53186	196520	66528	87513	84552	9182	920	45	642281
Rockfish, widow.....	410353	220118	573142	190188	116306	195764	67942	151019	105174	28593	2804	21695	2083098
Rockfish, yellowtail..	198267	18994	184889	326668	244778	531231	155628	450111	240572	19386	829	463	2371816
Rockfish, other sp....	87126	17600	83713	92227	131284	189108	67004	93353	63230	19669	8991	12867	866172
Thornyhead, longspine	119227	14600	191527	176255	143531	201471	130863	172051	119660	184971	78514	99890	1632560
Thornyhead, shortspine	66582	12348	84066	77131	45117	85581	44464	63984	62446	71133	39668	48702	701222
Sablefish.....	183448	51113	370952	351795	399889	487066	273761	372307	270333	375981	215495	235792	3587932
Sanddab, Pacific.....	24207	13240	99668	153411	68060	29593	30913	38370	9900	115945	5863	10527	599697
Shad, American.....	0	0	2202	748	225	13	65	0	0	0	0	0	3253
Shark, sixgill.....	0	0	0	0	0	42	0	0	0	0	0	0	42
Shark, soupfin.....	78	0	30	9	0	0	10	136	0	26	0	0	289
Shark, spiny dogfish..	494	0	11776	23720	48406	27094	1573	56	45	702	9339	1011	124216
Shark, thresher.....	0	0	0	0	0	0	0	370	0	0	0	0	370
Skates and rays.....	62680	36447	122423	119289	144914	176098	125116	110280	95641	157309	57643	80545	1288385
Sole, butter.....	0	0	0	0	19	7	942	0	59	26	0	0	1053
Sole, curlfin (turbot)	0	0	0	3	90	498	1497	2695	424	384	0	0	5591
Sole, Dover.....	781747	285822	1828880	938792	619560	774068	558216	720607	630845	1155560	657085	816844	9768026
Sole, English.....	31148	16588	74031	71137	63334	111033	114634	98175	51483	79219	8820	27444	747046
Sole, flathead.....	35	0	0	16	724	950	699	1216	1046	588	272	337	5883
Sole, petrale.....	429629	132831	135017	74226	61426	122375	82483	37933	50475	72389	26303	240120	1465207

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rex.....	51496	19167	70445	57688	45663	68257	49047	54867	40543	83742	28647	43717	613279
Sole, rock.....	0	12	0	51	235	670	2499	5215	690	311	0	0	9683
Sole, sand.....	0	0	0	438	7951	6796	57515	57982	30073	13364	370	0	174489
Sturgeon, green.....	0	0	0	63	0	113	250	134	48	209	0	0	817
Sturgeon, white.....	0	0	0	0	0	41	38	0	46	0	0	0	125
Whiting, Pac. (hake)..	8121	0	0	2081	0	6233	4823	3276	0	1638	970	2605	29747
Wolf-eel.....	10	0	6	13	40	19	228	172	47	0	0	0	535
Wrymouth, giant.....	0	0	0	7	43	125	370	171	11	104	0	0	831
CRUSTACEANS:													
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	0	253	253
MOLLUSKS:													
Octopus.....	4	0	58	121	205	557	237	41	78	80	0	0	1381
Squid.....	0	2	10	6	93	56	19	0	0	0	0	41	227
TOTAL	2648827	902432	4165137	3188428	3529860	4740665	3262524	3180404	2321541	2732723	1264573	1781034	33718148
MIDWATER TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	0	51	96	246	8	0	0	0	401
Flounder, arrowtooth..	0	0	0	0	0	1158	1934	1229	505	0	0	0	4826
Halibut, Pacific.....	0	0	0	0	0	257	97	248	46	0	0	0	648
Herring, Pacific.....	0	0	0	0	0	4518	48815	15926	966	0	0	0	70225
Lingcod.....	0	0	0	0	0	349	459	534	7	75	0	0	1424
Mackerel, jack.....	0	0	0	0	0	52964	162538	636124	219972	8417	0	7	1080022
Mackerel, Pacific.....	0	0	0	0	0	3715	204911	307442	53066	0	0	0	569134
Pollock, walleye.....	0	0	0	0	0	0	43	5	7	0	0	0	55
Ratfish.....	0	0	0	0	0	9	0	0	0	0	0	0	9
Pacific Ocean perch...	0	0	0	0	0	97	1563	646	15	228	0	338	2887
Nominal POP.....	528	0	0	191	0	4603	452	6956	1146	0	8560	0	22436
Rockfish, black.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Rockfish, canary.....	0	0	0	187	0	330	1447	2951	176	3	0	4	5098

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, widow.....	678608	24257	332960	148162	31645	129386	142872	318542	339555	1040593	666231	658521	4511332
Rockfish, yellowtail..	30764	0	430	14986	2771	178113	299563	299344	108283	11506	200	708	946668
Rockfish, other sp....	4	0	0	0	0	3626	5297	1147	175	388	85	125	10847
Thornyhead, longspine	0	0	57	0	0	67	2	62	410	0	0	368	966
Thornyhead, shortspine	0	0	492	0	0	3	1	154	802	0	0	0	1452
Sablefish.....	0	0	10484	0	0	2399	2945	1233	738	0	0	0	17799
Salmon, chinook.....	0	0	0	0	0	950	3610	3519	156	0	0	0	8235
Salmon, coho.....	0	0	0	0	0	0	4	14	0	0	0	0	18
Salmon, pink.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Sardine, Pacific.....	0	0	0	0	0	205	45	1	0	0	0	0	251
Shad, American.....	0	0	0	0	0	11390	34915	45492	3054	0	0	0	94851
Shark, blue.....	0	0	0	0	0	0	162	173	0	0	0	0	335
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	59	0	0	59
Shark, soupfin.....	0	0	0	0	0	0	0	354	0	0	0	0	354
Shark, spiny dogfish..	0	0	0	0	0	2228	44382	24400	254	0	0	0	71264
Shark, thresher.....	0	0	0	0	0	0	0	1565	431	0	0	0	1996
Skates and rays.....	0	0	0	0	0	265	657	363	68	0	96	0	1449
Snailfish, blacktail..	0	0	0	0	0	0	3	0	0	0	0	0	3
Sole, Dover.....	0	0	1391	0	0	10	4	0	0	0	0	0	1405
Sole, English.....	0	0	0	0	0	11	0	11	0	0	0	2	24
Sole, rex.....	0	0	0	0	0	18	2	40	15	0	0	0	75
Whiting, Pac. (hake)..	0	0	0	9948	0	30817951	54436865	63234752	12435458	0	0	0	160934974
Wolf-eel.....	0	0	0	0	0	0	0	12	0	0	0	0	12
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	0	0	0	45	0	2	0	0	0	0	47
MOLLUSKS:													
Squid.....	0	0	0	0	0	244	135	1583	242	0	0	0	2204
TOTAL	709904	24257	345814	173474	34416	31214962	55393825	64905070	13165555	1061269	675172	660073	168363791

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>SHRIMP TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	0	506	47	30	215	28	28	0	0	854
Flounder, arrowtooth..	0	0	0	503	2096	8770	8098	3793	2531	1853	0	0	27644
Lingcod.....	0	0	0	2889	10058	13606	12267	11506	10813	471	0	0	61610
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	58	0	0	0	58
Pacific Ocean perch...	0	0	0	19	45	38	26	33	5	17	4	0	187
Nominal POP.....	0	0	0	1270	1720	6460	4644	3772	1593	1883	0	0	21342
Rockfish, canary.....	0	0	0	2836	6311	22192	10467	12335	11505	3220	3	0	68869
Rockfish, widow.....	0	0	0	1834	3030	1465	2501	1723	1185	1873	0	0	13611
Rockfish, yellowtail..	0	0	0	15780	7560	15503	18715	32088	7366	4832	0	0	101844
Rockfish, other sp....	0	0	25	10115	7987	7109	8220	8067	2890	1544	0	0	45957
Thornyhead, longspine	0	0	0	11	94	103	93	89	27	0	0	0	417
Thornyhead, shortspine	0	0	0	158	441	201	104	20	0	0	0	0	924
Sablefish.....	0	0	0	536	1256	18732	31524	26103	7122	1141	89	0	86503
Sanddab, Pacific.....	0	0	0	1229	307	107	144	124	444	390	0	0	2745
Shad, American.....	0	0	0	4	0	0	0	0	0	0	0	0	4
Shark, soupfin.....	0	0	0	0	26	24	84	15	0	36	0	0	185
Shark, spiny dogfish..	0	0	0	0	0	5	13	0	0	0	0	0	18
Shark, thresher.....	0	0	0	0	18	0	0	0	0	240	0	0	258
Skates and rays.....	0	0	0	638	1961	2165	1246	901	318	518	0	0	7747
Sole, curlfin (turbot)	0	0	0	2	0	177	0	0	0	0	0	0	179
Sole, Dover.....	0	0	0	5911	23419	40235	45565	37387	18818	9329	86	0	180750
Sole, English.....	0	0	0	8286	5144	2324	2215	2314	1136	345	9	0	21773
Sole, flathead.....	0	0	0	0	38	92	148	192	56	161	0	0	687
Sole, petrale.....	0	0	3	2059	6272	4819	2486	1463	2545	1744	36	0	21427
Sole, rex.....	0	0	0	644	1569	2379	1878	978	300	489	9	0	8246
Sole, rock.....	0	0	0	3	0	0	6	9	0	0	0	0	18
Wolf-eel.....	0	0	0	0	0	0	0	11	0	0	0	0	11
Wrymouth, giant.....	0	0	0	0	10	34	67	80	29	8	0	0	228

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	3232122	3788027	4507661	3097043	2326451	2368791	1131147	0	0	20451242
Shrimp, spot.....	0	0	851	512	8913	2711	3127	2761	0	235	1039	1292	21441
MOLLUSKS:													
Octopus.....	0	0	0	31	17	15	0	0	0	0	0	0	63
Squid.....	0	0	0	0	0	0	40	0	0	0	0	0	40
TOTAL	0	0	879	3287392	3876825	4656974	3250751	2472430	2437560	1161504	1275	1292	21146882
OCEAN GILLNET													
FISH:													
Louvar.....	0	0	0	0	0	0	0	0	0	184	0	0	184
Opah.....	0	0	0	0	0	0	0	0	147	100	116	0	363
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	260	0	0	260
Shark, soupfin.....	0	0	0	0	0	0	0	0	174	0	0	0	174
Shark, thresher.....	0	0	0	0	0	0	0	0	0	184	0	0	184
Swordfish.....	0	0	0	0	0	0	0	0	5922	11294	1333	0	18549
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	50	0	0	50
TOTAL	0	0	0	0	0	0	0	0	6243	12072	1449	0	19764
SHRIMP POT													
CRUSTACEANS:													
Shrimp, coonstripe....	0	0	0	34	45	27	142	539	324	106	0	0	1217
Shrimp, spot.....	0	0	0	0	517	0	0	0	0	0	0	0	517
TOTAL	0	0	0	34	562	27	142	539	324	106	0	0	1734
CRAB POT													
FISH:													
Cabazon.....	65	0	6	14	25	49	18	52	0	0	0	14	243
Greenling sp.....	0	0	2	0	0	0	0	0	0	0	0	0	2
Lingcod.....	0	0	0	0	7	5	0	78	0	0	0	36	126

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Nominal POP.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Rockfish, black.....	105	0	8	4	0	32	0	0	0	0	0	0	149
Rockfish, other sp....	4	0	0	10	0	2	4	0	0	0	0	13	33
Sculpin, buffalo.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Sculpin, other sp.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Sole, petrale.....	3	0	0	0	0	0	0	0	0	0	0	0	3
Wolf-eel.....	0	0	10	150	371	667	90	81	0	0	0	0	1369
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	75	40	0	0	0	0	115
Crab, Dungeness, ocean	1792113	286862	592378	361567	262122	121988	49788	31690	0	0	22	8813381	12311911
MOLLUSKS:													
Octopus.....	1667	342	1922	810	396	139	0	0	0	0	0	123	5399
Snails & chitons.....	0	0	0	0	0	0	0	30	0	0	0	0	30
OTHER INVERTEBRATES:													
Sea stars.....	60	100	0	91	0	128	95	0	0	0	0	118	592
TOTAL	1794017	287304	594326	362646	262921	123010	50070	31982	0	0	22	8813685	12319983
<u>CRAB RING</u>													
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	1331	5205	22704	5937	35177
Crab, kelp.....	0	0	2	0	0	0	0	0	0	0	0	0	2
Crab, rock.....	0	67	56	81	79	75	20	3	0	44	111	0	536
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	10	0	0	0	2	0	0	0	0	12
TOTAL	0	67	58	91	79	75	20	5	1331	5249	22815	5937	35727
<u>CLAM SHOVEL OR RAKE</u>													
CRUSTACEANS:													
Crab, other.....	0	0	0	0	0	1	0	0	0	0	0	0	1

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, cockle.....	330	0	720	274	0	0	3	0	0	0	0	0	1327
Clams, gaper.....	0	0	0	0	0	0	68	0	0	0	0	0	68
Clams, littleneck.....	0	0	0	0	0	3	0	0	0	0	0	0	3
Clams, razor.....	0	0	0	0	0	394	80	0	0	0	0	9	483
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0	0	15	15
TOTAL	330	0	720	274	0	398	151	0	0	0	0	24	1897
HAND DEVICE													
FISH:													
Greenling sp.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Lamprey, Pacific.....	0	0	0	0	0	542	26605	2302	0	0	0	0	29449
Lord, red Irish.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Surfperch sp.....	0	0	0	0	0	0	7	0	0	0	0	0	7
CRUSTACEANS:													
Crab, hermit.....	0	0	0	0	0	0	0	0	14	0	0	0	14
Crab, kelp.....	0	0	0	1	0	0	0	0	0	0	0	0	1
Shrimp, brine.....	0	0	0	0	0	11400	15500	6900	0	0	0	0	33800
MOLLUSKS:													
Clams, butter.....	1175	2785	2955	4370	4175	3877	4115	3570	6805	2088	1101	1156	38172
Clams, cockle.....	3475	85	3070	3630	2965	3160	2787	1980	3925	8853	832	3246	38008
Clams, gaper.....	0	0	0	0	0	0	1667	70	695	2182	2797	837	8248
Clams, littleneck.....	0	20	35	248	185	315	777	419	486	218	223	0	2926
Clams, softshell.....	0	0	0	0	0	0	32	0	0	0	0	0	32
Mussels, ocean.....	150	0	234	206	357	546	43	218	60	0	0	11	1825
Octopus.....	0	0	23	0	0	0	0	0	0	0	0	0	23
Scallops, rock.....	0	0	0	0	0	0	0	0	0	3	0	0	3
Snails & chitons.....	0	0	0	0	0	0	1	0	0	0	0	0	1
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	4	0	0	4	0	2	0	0	0	10

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1999. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sea stars.....	0	0	16	23	0	93	78	29	50	0	28	0	317
Sea urchin, red.....	10655	0	15539	53224	9264	507	0	52709	31559	24043	20478	30305	248283
TOTAL	15455	2890	21872	61706	16946	20440	51620	68197	43596	37387	25459	35555	401123
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	1441	1591	2226	3080	3985	5504	5654	4267	4978	5329	1201	1089	40345
Shrimp, mud.....	3280	3331	4093	1181	521	10	0	0	0	40	415	3565	16436
TOTAL	4721	4922	6319	4261	4506	5514	5654	4267	4978	5369	1616	4654	56781
<u>BAITFISH NET</u>													
FISH:													
Herring, Pacific.....	0	0	0	0	0	1500	0	0	0	0	0	0	1500
Mackerel, jack.....	0	0	0	0	0	50	0	3086	0	0	0	0	3136
Sardine, Pacific.....	0	0	0	0	200	110929	525681	844448	228177	0	0	0	1709435
TOTAL	0	0	0	0	200	112479	525681	847534	228177	0	0	0	1714071
<u>CRAYFISH TRAP</u>													
CRUSTACEANS:													
Crayfish.....	0	0	0	1109	4664	12097	19558	11350	13012	7916	0	0	69706
TOTAL	0	0	0	1109	4664	12097	19558	11350	13012	7916	0	0	69706
TOTAL	5253880	1266256	5245581	7326535	8113520	41988732	64334691	77113859	19699456	5730552	2088015	11358580	249519657

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, 1999

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	0	706	1014	6497	705	0	0	194	3	49547	25202	15328	0	99196
Cod, Pacific.....	0	35984	0	0	0	435	0	0	774	0	0	0	5	0	37198
Flounder, arrowtooth..	0	395231	235	0	0	36987	0	0	47403	0	50	0	3037	0	482943
Flounder, starry.....	0	9971	928	0	0	1989	161	0	4731	0	0	0	6	0	17786
Greenling sp.....	0	0	25	229	0	0	0	0	6	3	116583	60016	3657	0	180519
Grenadier.....	0	2639	0	0	0	2240	0	0	17466	0	10	0	4433	0	26788
Hagfish sp.....	0	0	0	0	0	0	0	3638	161224	0	0	0	0	0	164862
Halibut, California...	0	0	0	0	0	0	0	0	77	0	0	0	0	0	77
Halibut, Pacific.....	0	331630	39517	284	5142	125766	18377	2034	31828	80	25030	0	12513	0	592201
Herring, Pacific.....	0	0	0	0	0	314	0	750	0	0	0	0	0	0	1064
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	31113	31113
Lingcod.....	0	61574	4701	6417	1769	51802	1387	1336	54350	958	57810	17284	30609	0	289997
Lord, red Irish.....	0	0	10	0	0	9	0	0	0	0	118	33	12	0	182
Louvar.....	0	277	0	0	0	47	0	0	0	0	0	0	0	0	324
Mackerel, jack.....	0	2394	0	0	0	484	0	0	940	0	0	0	0	0	3818
Mackerel, Pacific.....	0	634	0	0	0	172	0	0	203	0	0	0	0	0	1009
Opah.....	0	265	0	0	0	0	0	0	0	0	0	0	0	0	265
Ragfish.....	0	24	0	0	0	0	0	0	0	0	0	0	0	0	24
Ratfish.....	0	0	0	0	0	18	0	0	0	0	0	0	0	0	18
Pacific Ocean perch...	0	193188	1	0	0	61894	0	0	6482	0	195	0	0	0	261760
Nominal POP.....	0	40118	1792	0	0	109111	494	0	60280	0	3394	4	10387	0	225580
Rockfish, black.....	0	3419	14826	30714	958	153	4	0	1206	138	80988	12565	20880	0	165851
Rockfish, canary.....	0	123012	1303	1395	340	159112	1612	160	115297	370	75035	3259	36127	0	517022
Rockfish, widow.....	0	938349	104	0	0	1036104	39	0	357313	0	2727	109	153366	0	2488111
Rockfish, yellowtail..	0	895869	3741	308	113	231944	1594	73	162278	13	17862	555	53293	0	1367643
Rockfish, other sp....	0	241001	838	622	3324	102099	10313	1758	177119	1682	240023	82680	43404	0	904863
Thornyhead, longspine	0	379863	0	0	0	183904	0	0	466948	0	0	0	127939	0	1158654
Thornyhead, shortspine	0	213177	0	0	0	164243	0	0	180663	0	0	0	77342	0	635425

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1999(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	2452386	3371	0	277	2411804	357025	127022	1541535	0	473504	96	398024	0	7765044
Salmon, chinook.....	240224	17384	68836	2880	207	404357	64332	95733	508675	34749	159826	4723	42932	0	1644858
Salmon, chum.....	20	0	0	0	0	0	14	0	0	0	0	0	0	0	34
Salmon, coho.....	395387	875	0	0	0	0	0	0	0	0	0	0	0	0	396262
Salmon, pink.....	0	0	25	0	0	33	2	37	39	4	0	0	0	0	140
Sanddab, Pacific.....	0	5662	1394	0	0	3157	11926	0	113445	0	0	0	2395	0	137979
Sardine, Pacific.....	0	84977	0	0	0	711	0	200	0	0	0	0	0	0	85888
Sculpin, buffalo.....	0	0	0	0	0	7	0	0	0	0	6	0	6	0	19
Sculpin, other sp.....	0	0	0	0	0	0	0	0	0	0	23	0	0	0	23
Shad, American.....	21873	0	0	0	0	0	0	0	144	0	0	0	0	0	22017
Shark, blue.....	0	18	0	0	0	4	0	0	27	0	0	0	0	0	49
Shark, Pacific sleeper	0	0	0	0	0	667	0	0	0	0	0	0	0	0	667
Shark, shortfin mako..	0	204	0	0	0	518	0	0	66	0	0	0	0	0	788
Shark, sixgill.....	0	0	0	0	0	33	0	0	0	0	0	0	0	0	33
Shark, soupfin.....	0	16	0	0	0	580	0	0	236	0	15	0	100	0	947
Shark, spiny dogfish..	0	15175	2	0	0	48	0	0	0	0	0	0	0	0	15225
Shark, thresher.....	0	2840	0	0	0	184	0	0	9	0	0	0	0	0	3033
Skates and rays.....	0	37480	243	0	0	27891	28	0	62843	0	0	1	18473	0	146959
Smelt (eulachon).....	51279	0	0	0	0	0	0	0	0	0	0	0	0	0	51279
Sole, butter.....	0	80	0	0	0	0	0	0	204	0	0	0	0	0	284
Sole, curlfin (turbot)	0	251	88	0	0	865	0	0	593	0	26	0	49	0	1872
Sole, Dover.....	0	1372593	19105	0	0	504781	2327	0	1067946	0	33	0	291509	0	3258294
Sole, English.....	0	86042	816	0	0	33552	953	0	103839	0	0	0	15786	0	240988
Sole, flathead.....	0	2219	0	0	0	0	0	0	0	0	0	0	0	0	2219
Sole, petrale.....	0	458062	14441	0	0	272505	3263	0	580177	0	105	0	90938	0	1419491
Sole, rex.....	0	65710	136	0	0	26815	183	0	96392	0	0	0	15899	0	205135
Sole, rock.....	0	134	72	0	0	1260	80	0	1687	0	4	0	0	0	3237
Sole, sand.....	0	57341	12757	0	0	17393	1573	0	42939	0	74	6	21	0	132104
Steelhead.....	1515	0	0	0	0	0	0	0	0	0	0	0	0	0	1515

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1999(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.....	5294	16	0	0	0	158	52	0	474	0	0	0	0	0	5994
Sturgeon, white.....	303349	51	15	0	0	0	0	0	58	0	0	0	0	0	303473
Surfperch sp.....	0	0	35	0	0	23	0	0	0	0	8	13	770	0	849
Swordfish.....	0	45115	0	0	0	1841	0	0	0	0	0	0	0	0	46956
Tuna, bluefin.....	0	29216	0	0	0	8902	0	0	0	0	0	0	0	0	38118
Tuna, albacore.....	0	1465839	144603	1395	5594	1730663	33815	70263	308169	2219	417	2708	17882	0	3783567
Tuna, yellowfin.....	0	198	0	0	0	0	0	0	0	0	0	0	0	0	198
Walleye.....	26	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Whiting, Pac. (hake)..	0	3169842	0	0	0	2542684	27	0	204229	0	0	0	700	0	5917482
Wolf-eel.....	0	12	0	0	25	279	4	0	414	0	956	105	72	0	1867
Wrymouth, giant.....	0	126	0	0	0	0	4	0	63	0	0	0	10	0	203
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	285	0	0	0	0	0	0	0	0	285
Crab, Dungeness, bay..	0	0	12	191	96	2734	948	15012	34407	150	0	0	0	10935	64485
Crab, Dungeness, ocean	0	7151153	1035423	11780	118355	6350490	455077	1024308	2409159	1411	1347410	28538	2908609	2013	22843726
Crab, hermit.....	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40
Crab, kelp.....	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Crab, rock.....	0	0	0	0	0	536	0	0	0	0	0	0	0	0	536
Crab, other.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	109740	109740
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	33800	33800
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	1056	465	2235	0	3756
Shrimp, ghost.....	0	0	3864	7597	0	0	4860	0	1644	0	0	0	0	52551	70516
Shrimp, mud.....	0	0	0	0	0	3075	0	0	0	0	0	0	0	19183	22258
Shrimp, pink.....	0	2631129	357694	0	0	2927672	39204	0	2783474	0	0	0	831710	0	9570883
Shrimp, spot.....	0	83980	0	0	0	0	0	0	4883	0	0	0	13083	0	101946
MOLLUSKS:															
Clams, butter.....	0	0	12311	0	0	0	0	0	0	0	0	0	0	91	12402
Clams, cockle.....	0	0	11653	0	0	0	0	4	3363	0	0	0	0	160	15180

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1999(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, gaper.....	0	0	1261	0	0	0	0	6	4960	0	0	0	0	0	6227
Clams, littleneck.....	0	0	2354	0	0	0	0	0	0	0	0	0	0	2739	5093
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1299	1299
Clams, softshell.....	0	0	0	0	0	15	0	19	0	0	0	0	0	0	34
Mussels, ocean.....	0	0	0	0	0	345	0	150	0	0	0	0	0	1004	1499
Octopus.....	0	569	0	12	220	1575	0	101	160	0	1696	20	1000	0	5353
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
Snails & chitons.....	0	0	10	0	0	60	0	0	0	0	0	0	0	0	70
Squid.....	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
OTHER INVERTEBRATES:															
Sea anemone.....	0	0	40	0	0	7	0	0	0	0	0	0	0	0	47
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Sea stars.....	0	0	0	0	0	1034	0	0	0	0	0	0	0	8	1042
Sea urchin, red.....	0	0	0	0	7925	9655	0	0	10774	0	67763	26885	15865	0	138867
TOTAL	1018967	23105314	1759288	64838	150842	19558733	1009678	1342604	11733810	41780	2722296	265271	5260406	264677	68298504

1/ OREGON LANDINGS ONLY

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

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

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	4006	80	1608	9903	8980	17567	23721	17541	8066	6422	582	720	99196
Cod, Pacific.....	338	5	262	2229	6208	9066	8807	6264	1992	1601	191	235	37198
Flounder, arrowtooth..	6915	2488	11698	25304	110955	116315	105979	39380	23963	20006	9879	10061	482943
Flounder, starry.....	0	0	6	139	358	871	4531	4452	4068	3344	17	0	17786
Greenling sp.....	3314	43	1621	19979	18509	32704	39818	36063	9505	11965	1381	5617	180519
Grenadier.....	1204	173	2120	2390	849	2687	3004	5145	2575	4962	1166	513	26788
Hagfish sp.....	6935	4125	17142	20597	13973	29602	29184	15208	0	11133	7191	9772	164862
Halibut, California...	0	0	15	0	0	12	0	30	20	0	0	0	77
Halibut, Pacific.....	0	0	0	0	4194	34657	321786	162287	27	69250	0	0	592201
Herring, Pacific.....	0	50	0	0	0	753	131	110	20	0	0	0	1064
Lamprey, Pacific.....	0	0	0	0	0	542	28054	2517	0	0	0	0	31113
Lingcod.....	9844	1077	12346	35126	31642	56060	42412	54616	27776	12277	3951	2870	289997
Lord, red Irish.....	0	0	2	10	38	59	27	29	10	7	0	0	182
Louvar.....	0	0	0	0	0	0	0	0	0	324	0	0	324
Mackerel, jack.....	0	0	0	0	0	130	207	1608	540	1333	0	0	3818
Mackerel, Pacific.....	0	0	0	0	0	0	378	284	347	0	0	0	1009
Opah.....	0	0	0	0	0	0	0	0	110	68	87	0	265
Ragfish.....	0	0	24	0	0	0	0	0	0	0	0	0	24
Ratfish.....	0	0	0	0	0	0	0	0	18	0	0	0	18
Pacific Ocean perch...	10919	3248	17558	26595	29731	34701	51483	25830	30112	16534	3963	11086	261760
Nominal POP.....	15414	7310	23695	27846	30118	34262	32123	23487	26482	3024	550	1269	225580
Rockfish, black.....	3334	179	2279	19956	21641	31301	28655	27505	15852	12692	1550	907	165851
Rockfish, canary.....	15248	1581	25215	62773	68603	138742	68942	71825	54556	8405	518	614	517022
Rockfish, widow.....	401257	93053	346830	134638	60772	118574	71893	159184	160722	398471	266103	276614	2488111
Rockfish, yellowtail..	92635	7588	76376	149707	110516	284626	177982	304123	147803	15118	441	728	1367643
Rockfish, other sp....	46135	7247	39019	76340	86958	163372	187608	160677	89723	35315	6082	6387	904863
Thornyhead, longspine	82870	8867	120055	120210	100709	142100	89788	120767	82990	143457	65091	81750	1158654
Thornyhead, shortspine	59925	11500	70060	67549	40701	76090	39780	60232	54609	68644	40035	46300	635425
Sablefish.....	172541	45400	338216	341483	448625	502514	396458	4184065	374664	443166	247044	270868	7765044

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TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1999. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, chinook.....	0	1482	489	30934	227023	536080	105427	382691	150722	145103	62942	1965	1644858
Salmon, chum.....	0	0	0	0	0	14	0	0	0	20	0	0	34
Salmon, coho.....	0	0	0	0	0	0	56	5441	225697	165068	0	0	396262
Salmon, pink.....	0	0	0	0	4	66	36	28	6	0	0	0	140
Sanddab, Pacific.....	7181	3647	22682	34650	18281	8221	9653	4499	1882	22973	1876	2434	137979
Sardine, Pacific.....	0	0	0	0	100	5636	26284	42459	11409	0	0	0	85888
Sculpin, buffalo.....	0	0	2	4	0	1	0	2	10	0	0	0	19
Sculpin, other sp.....	0	0	0	0	0	10	0	3	9	1	0	0	23
Shad, American.....	0	0	102	38	2337	19331	209	0	0	0	0	0	22017
Shark, blue.....	0	0	0	0	0	0	45	0	0	4	0	0	49
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	667	0	0	667
Shark, shortfin mako..	0	0	0	0	0	0	107	224	85	372	0	0	788
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	33	0	0	33
Shark, soupfin.....	32	0	30	0	26	24	134	110	178	413	0	0	947
Shark, spiny dogfish..	35	0	1560	3645	5868	3615	220	7	6	137	15	117	15225
Shark, thresher.....	0	0	0	0	9	0	0	1786	754	484	0	0	3033
Skates and rays.....	6370	3703	12623	12370	16069	19734	14503	13129	11157	18435	8266	10600	146959
Smelt (eulachon).....	10507	34002	0	0	0	0	0	0	0	0	0	6770	51279
Sole, butter.....	0	0	0	0	7	2	246	0	20	9	0	0	284
Sole, curlfin (turbot)	0	0	0	2	17	254	460	863	143	133	0	0	1872
Sole, Dover.....	244263	89063	558616	308609	219974	276403	203698	258895	215193	390175	218789	274616	3258294
Sole, English.....	10412	5547	22698	24594	21513	34069	36288	31562	16876	25029	3030	9370	240988
Sole, flathead.....	12	0	0	5	259	353	291	479	344	256	98	122	2219
Sole, petrale.....	398474	126083	125669	73876	65208	117534	78948	38444	50017	72376	27521	245341	1419491
Sole, rex.....	18254	6012	21651	17148	15703	23714	17083	18605	13734	27615	9439	16177	205135
Sole, rock.....	0	4	0	21	89	230	897	1639	250	107	0	0	3237
Sole, sand.....	0	0	0	329	6031	5148	43255	43974	22969	10120	278	0	132104
Steelhead.....	0	0	0	0	0	0	0	0	965	550	0	0	1515
Sturgeon, green.....	0	0	0	79	22	122	247	3768	1365	391	0	0	5994
Sturgeon, white.....	30768	29596	27132	18369	26386	5331	4261	59229	13505	68239	19452	1205	303473

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1999. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Surfperch sp.....	0	0	404	359	4	0	35	19	27	1	0	0	849
Swordfish.....	0	0	0	0	0	0	0	0	18235	26653	2068	0	46956
Tuna, bluefin.....	0	0	0	0	0	0	0	0	15307	21087	1724	0	38118
Tuna, albacore.....	0	0	0	0	0	216934	885937	1770958	681469	207492	20763	14	3783567
Tuna, yellowfin.....	0	0	0	0	0	0	0	198	0	0	0	0	198
Walleye.....	0	0	0	0	0	0	0	0	26	0	0	0	26
Whiting, Pac. (hake)..	406	0	0	1658	0	1077273	2002631	2365335	469332	147	194	506	5917482
Wolf-eel.....	7	0	14	326	262	442	314	287	89	126	0	0	1867
Wrymouth, giant.....	0	0	0	4	12	3	88	65	9	22	0	0	203
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	45	240	0	0	0	0	285
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	3828	10691	41177	8789	64485
Crab, Dungeness, ocean	3199377	682674	1459187	933119	720141	332736	126360	83915	0	0	33	15306184	22843726
Crab, hermit.....	0	0	0	0	0	0	0	0	40	0	0	0	40
Crab, kelp.....	0	0	2	1	0	0	0	0	0	0	0	0	3
Crab, rock.....	0	67	56	81	79	75	20	3	0	44	111	0	536
Crab, other.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Crayfish.....	0	0	0	1774	7066	17797	29391	17394	22370	13948	0	0	109740
Shrimp, brine.....	0	0	0	0	0	11400	15500	6900	0	0	0	0	33800
Shrimp, coonstripe....	0	0	0	144	135	81	426	1680	972	318	0	0	3756
Shrimp, ghost.....	2654	2945	3787	5181	6650	8647	9276	7297	8453	10369	2632	2625	70516
Shrimp, mud.....	4333	4278	5568	1776	1113	35	0	0	0	48	498	4609	22258
Shrimp, pink.....	0	0	0	1613863	1711810	1816808	1375861	1062471	1317206	672864	0	0	9570883
Shrimp, spot.....	0	0	2564	1664	42825	11431	15673	13673	0	642	2784	10690	101946
MOLLUSKS:													
Clams, butter.....	353	1064	887	1465	1373	1301	1306	1073	2045	746	441	348	12402
Clams, cockle.....	1208	51	1348	1476	917	1123	866	596	1376	4843	252	1124	15180
Clams, gaper.....	0	0	0	0	0	0	640	21	210	2061	2600	695	6227
Clams, littleneck.....	0	30	54	481	333	560	1252	632	869	436	446	0	5093
Clams, razor.....	0	0	0	0	0	1045	238	0	0	0	0	16	1299

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1999. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, softshell.....	0	0	0	0	0	0	19	0	0	0	0	15	34
Mussels, ocean.....	150	0	188	220	221	388	54	240	27	0	0	11	1499
Octopus.....	1103	175	1054	926	977	565	309	107	40	35	0	62	5353
Scallops, rock.....	0	0	0	0	0	0	0	0	0	4	0	0	4
Snails & chitons.....	0	0	0	0	0	0	10	60	0	0	0	0	70
Squid.....	0	0	1	0	0	0	0	0	0	0	0	0	1
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	4	0	0	40	0	3	0	0	0	47
Sea cucumber.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sea stars.....	60	100	16	124	0	166	173	31	58	0	84	230	1042
Sea urchin, red.....	3861	0	7353	23617	4084	46	0	31085	19104	7899	10522	31296	138867
TOTAL	4872654	1184537	3381884	4255710	4317008	6382058	6761563	11755346	4414941	3216704	1093857	16662242	68298504

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1999. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	1482	489	11533	45229	12975	8012	33081	44930	13553	7	0	171291
Salmon, chum.....	0	0	0	0	0	0	0	0	0	20	0	0	20
Salmon, coho.....	0	0	0	0	0	0	0	4622	223391	164757	0	0	392770
Shad, American.....	0	0	0	0	2243	19141	0	0	0	0	0	0	21384
Smelt (eulachon).....	10507	34002	0	0	0	0	0	0	0	0	0	6770	51279
Sturgeon, green.....	0	0	0	0	22	21	0	3648	1317	286	0	0	5294
Sturgeon, white.....	30768	23774	45	3158	14191	2894	4246	59229	13447	68239	12407	0	232398
TOTAL	41275	59258	534	14691	61685	35031	12258	100580	283085	246855	12414	6770	874436
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	66944	1989	0	0	68933
Salmon, coho.....	0	0	0	0	0	0	0	0	2306	311	0	0	2617
Shad, American.....	0	0	0	0	94	189	206	0	0	0	0	0	489
Steelhead.....	0	0	0	0	0	0	0	0	965	550	0	0	1515
Sturgeon, white.....	0	5822	27087	15211	12195	2386	0	0	0	0	7045	1205	70951
Walleye.....	0	0	0	0	0	0	0	0	26	0	0	0	26
TOTAL	0	5822	27087	15211	12289	2575	206	0	70241	2850	7045	1205	144531
TOTAL	41275	65080	27621	29902	73974	37606	12464	100580	353326	249705	19459	7975	1018967

1/ OREGON LANDINGS ONLY

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1999. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	284	5	260	2060	5748	8950	8629	6052	1974	1596	191	235	35984
Flounder, arrowtooth..	3480	1468	6926	18747	104215	100025	94982	29878	16728	9485	5719	3578	395231
Flounder, starry.....	0	0	6	134	320	608	1483	903	3276	3224	17	0	9971
Grenadier.....	11	0	84	488	72	490	341	203	525	331	41	53	2639
Halibut, Pacific.....	0	0	0	0	239	25452	74461	162201	27	69250	0	0	331630
Lingcod.....	1480	141	4100	4007	6700	11727	8317	12318	6516	4172	1482	614	61574
Louvar.....	0	0	0	0	0	0	0	0	0	277	0	0	277
Mackerel, jack.....	0	0	0	0	0	130	207	440	284	1333	0	0	2394
Mackerel, Pacific.....	0	0	0	0	0	0	378	42	214	0	0	0	634
Opah.....	0	0	0	0	0	0	0	0	110	68	87	0	265
Ragfish.....	0	0	24	0	0	0	0	0	0	0	0	0	24
Pacific Ocean perch...	8247	1017	10233	20025	26610	26192	29472	20245	24255	15222	3056	8614	193188
Nominal POP.....	513	110	1516	4426	4573	8103	6814	7782	4627	1328	118	208	40118
Rockfish, black.....	231	0	152	40	1817	273	223	89	469	125	0	0	3419
Rockfish, canary.....	2332	7	13526	15409	10957	31526	10254	16826	18654	3440	81	0	123012
Rockfish, widow.....	121661	2943	118721	63759	19135	33946	32943	107507	124453	135342	79025	98914	938349
Rockfish, yellowtail..	54424	174	50878	101474	54036	173324	124041	242585	81406	12830	412	285	895869
Rockfish, other sp....	13589	2525	17256	30577	28632	56793	24916	32516	26369	3660	1952	2216	241001
Thornyhead, longspine	6827	419	29484	45863	45346	46998	39652	35406	36545	47569	16047	29707	379863
Thornyhead, shortspine	13281	3391	22919	29262	15790	18893	18356	20132	20637	18604	13627	18285	213177
Sablefish.....	47064	9170	81420	128783	142199	149948	185121	1275646	115082	131782	93641	92530	2452386
Salmon, chinook.....	0	0	0	0	2210	5363	3649	6162	0	0	0	0	17384
Salmon, coho.....	0	0	0	0	0	0	56	819	0	0	0	0	875
Sanddab, Pacific.....	0	0	36	1089	865	591	537	330	569	1644	1	0	5662
Sardine, Pacific.....	0	0	0	0	0	5536	26284	41748	11409	0	0	0	84977
Shark, blue.....	0	0	0	0	0	0	18	0	0	0	0	0	18
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	204	0	0	204
Shark, soupfin.....	0	0	0	0	0	0	16	0	0	0	0	0	16
Shark, spiny dogfish..	35	0	1560	3645	5868	3615	213	7	6	94	15	117	15175

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1999. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, thresher.....	0	0	0	0	0	0	0	1786	754	300	0	0	2840
Skates and rays.....	795	684	1487	4179	6267	5127	3862	2595	2805	4938	1800	2941	37480
Sole, butter.....	0	0	0	0	0	2	49	0	20	9	0	0	80
Sole, curlfin (turbot)	0	0	0	0	4	16	134	77	19	1	0	0	251
Sole, Dover.....	127973	43632	253321	158202	68367	97754	89050	84017	101284	119256	89132	140605	1372593
Sole, English.....	2584	339	2355	4525	5026	13336	17724	16241	7222	13789	791	2110	86042
Sole, flathead.....	12	0	0	5	259	353	291	479	344	256	98	122	2219
Sole, petrale.....	145734	13274	45881	16435	21668	28324	22565	17600	27753	48223	12075	58530	458062
Sole, rex.....	2714	498	2268	2833	4920	9836	7787	8626	6492	13622	3043	3071	65710
Sole, rock.....	0	0	0	2	5	24	92	6	5	0	0	0	134
Sole, sand.....	0	0	0	311	5188	3210	19195	11088	8816	9255	278	0	57341
Sturgeon, green.....	0	0	0	0	0	0	0	16	0	0	0	0	16
Sturgeon, white.....	0	0	0	0	0	51	0	0	0	0	0	0	51
Swordfish.....	0	0	0	0	0	0	0	0	17087	25960	2068	0	45115
Tuna, bluefin.....	0	0	0	0	0	0	0	0	6859	20633	1724	0	29216
Tuna, albacore.....	0	0	0	0	0	108341	229281	830914	288471	7050	1782	0	1465839
Tuna, yellowfin.....	0	0	0	0	0	0	0	198	0	0	0	0	198
Whiting, Pac. (hake)..	0	0	0	166	0	646229	1078542	1128508	316250	147	0	0	3169842
Wolf-eel.....	0	0	0	0	0	0	1	9	2	0	0	0	12
Wrymouth, giant.....	0	0	0	0	0	2	78	30	6	10	0	0	126
CRUSTACEANS:													
Crab, Dungeness, ocean	1010499	162543	411491	333882	213683	80212	21726	5471	0	0	0	4911646	7151153
Shrimp, pink.....	0	0	0	61119	431638	713111	435852	364508	366361	258540	0	0	2631129
Shrimp, spot.....	0	0	0	1664	41375	11324	15673	11160	0	0	2784	0	83980
MOLLUSKS:													
Octopus.....	0	0	29	42	90	245	110	7	15	31	0	0	569
TOTAL	1563770	242340	1075933	1053153	1273822	2425980	2633375	4503173	1644700	983600	331087	5374381	23105314

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, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, razor.....	0	0	0	0	0	1045	238	0	0	0	0	16	1299
TOTAL	0	0	0	0	0	1045	238	0	0	0	0	16	1299

TABLE 45B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CANNON BEACH, 1999.

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

TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1999.

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	414	546	402	0	1362
Crab, Dungeness, ocean	0	0	0	0	0	0	786	1110	0	0	0	0	1896
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	91	0	0	0	0	0	0	91
Clams, cockle.....	0	0	0	0	0	160	0	0	0	0	0	0	160
Clams, littleneck.....	0	0	0	430	230	280	364	0	552	436	446	0	2738
Mussels, ocean.....	0	0	0	70	71	128	54	110	0	0	0	0	433
TOTAL	0	0	0	500	301	659	1204	1220	966	982	848	0	6680

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	18	17	48	35	256	332	0	0	0	706
Flounder, arrowtooth..	0	0	0	0	0	188	22	16	9	0	0	0	235
Flounder, starry.....	0	0	0	0	16	9	479	321	103	0	0	0	928
Greenling sp.....	0	0	0	0	0	0	20	3	2	0	0	0	25
Halibut, Pacific.....	0	0	0	0	142	60	39315	0	0	0	0	0	39517
Lingcod.....	0	0	0	170	605	1432	972	994	434	94	0	0	4701
Lord, red Irish.....	0	0	0	0	0	0	10	0	0	0	0	0	10
Pacific Ocean perch...	0	0	0	0	0	0	1	0	0	0	0	0	1
Nominal POP.....	0	0	0	336	515	134	147	493	89	78	0	0	1792
Rockfish, black.....	0	0	48	1155	2037	2630	2738	2760	2318	844	296	0	14826
Rockfish, canary.....	0	0	0	6	4	1117	63	55	58	0	0	0	1303
Rockfish, widow.....	0	0	0	0	0	0	1	1	93	9	0	0	104
Rockfish, yellowtail..	0	0	0	0	406	605	1190	813	721	6	0	0	3741
Rockfish, other sp....	0	0	0	66	106	162	12	333	87	72	0	0	838
Sablefish.....	0	0	0	0	0	215	855	2286	15	0	0	0	3371
Salmon, chinook.....	0	0	0	28	8112	10370	1223	18743	16304	13350	706	0	68836
Salmon, pink.....	0	0	0	0	0	17	0	8	0	0	0	0	25
Sanddab, Pacific.....	0	0	0	0	0	1394	0	0	0	0	0	0	1394
Shark, spiny dogfish..	0	0	0	0	0	0	2	0	0	0	0	0	2
Skates and rays.....	0	0	0	0	77	72	94	0	0	0	0	0	243
Sole, curlfin (turbot)	0	0	0	0	0	88	0	0	0	0	0	0	88
Sole, Dover.....	0	0	0	0	1616	7887	811	7010	841	940	0	0	19105
Sole, English.....	0	0	0	0	68	472	29	221	0	26	0	0	816
Sole, petrale.....	0	0	0	21	1942	7490	604	2689	398	1297	0	0	14441
Sole, rex.....	0	0	0	0	0	0	11	0	8	117	0	0	136
Sole, rock.....	0	0	0	0	0	0	72	0	0	0	0	0	72
Sole, sand.....	0	0	0	0	607	149	8427	1851	1723	0	0	0	12757
Sturgeon, white.....	0	0	0	0	0	0	15	0	0	0	0	0	15
Surfperch sp.....	0	0	0	0	0	0	35	0	0	0	0	0	35

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Tuna, albacore.....	0	0	0	0	0	0	20480	94051	28321	1751	0	0	144603
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	12	0	0	0	12
Crab, Dungeness, ocean	130614	27409	71263	69098	60349	39300	17815	18795	0	0	0	600780	1035423
Shrimp, ghost.....	0	0	0	0	0	0	375	480	345	999	675	990	3864
Shrimp, pink.....	0	0	0	58563	57889	91912	56076	29506	42911	20837	0	0	357694
MOLLUSKS:													
Clams, butter.....	353	1064	887	1465	1373	1210	1306	1073	2045	746	441	348	12311
Clams, cockle.....	1043	51	922	839	917	963	864	596	986	3426	248	798	11653
Clams, gaper.....	0	0	0	0	0	0	579	21	210	80	273	98	1261
Clams, littleneck....	0	30	54	51	103	279	888	632	317	0	0	0	2354
Snails & chitons.....	0	0	0	0	0	0	10	0	0	0	0	0	10
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	0	0	0	40	0	0	0	0	0	40
TOTAL	132010	28554	73174	131816	136901	168203	155616	184007	98682	44672	2639	603014	1759288

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, mud.....	3931	4052	4761	1292	407	0	0	0	0	48	498	4194	19183
TOTAL	3931	4052	4761	1292	407	0	0	0	0	48	498	4194	19183

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	61	137	128	107	325	226	30	0	0	1014
Greenling sp.....	0	0	0	2	9	20	33	89	76	0	0	0	229
Halibut, Pacific.....	0	0	0	0	160	124	0	0	0	0	0	0	284
Lingcod.....	0	0	3	929	875	1291	1671	871	777	0	0	0	6417
Rockfish, black.....	0	0	24	2895	4992	7212	5025	5889	3398	1120	159	0	30714
Rockfish, canary.....	0	0	0	61	61	23	323	476	244	206	1	0	1395
Rockfish, yellowtail..	0	0	16	28	0	0	36	91	122	12	3	0	308
Rockfish, other sp....	0	0	6	9	74	56	132	215	89	37	4	0	622
Salmon, chinook.....	0	0	0	0	30	138	238	1305	794	375	0	0	2880
Tuna, albacore.....	0	0	0	0	0	0	220	577	598	0	0	0	1395
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	45	146	0	0	191
Crab, Dungeness, ocean	0	0	0	1122	3432	2730	1914	966	0	0	0	1616	11780
Shrimp, ghost.....	0	0	159	230	259	467	105	495	933	3128	1116	705	7597
MOLLUSKS:													
Octopus.....	0	0	0	12	0	0	0	0	0	0	0	0	12
TOTAL	0	0	208	5349	10029	12189	9804	11299	7302	5054	1283	2321	64838

TABLE 49A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SALMON RIVER, 1999.

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

TABLE 50. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SILETZ BAY, 1999.

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, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	52	319	1357	825	1094	1332	1443	75	0	6497
Halibut, Pacific.....	0	0	0	0	0	0	5142	0	0	0	0	0	5142
Lingcod.....	0	0	0	346	215	311	299	329	215	54	0	0	1769
Rockfish, black.....	0	0	0	260	318	115	0	0	0	162	103	0	958
Rockfish, canary.....	60	0	0	118	0	0	0	162	0	0	0	0	340
Rockfish, yellowtail..	75	0	38	0	0	0	0	0	0	0	0	0	113
Rockfish, other sp....	0	0	246	735	122	191	308	488	478	696	60	0	3324
Sablefish.....	0	0	0	0	0	0	277	0	0	0	0	0	277
Salmon, chinook.....	0	0	0	66	0	24	24	93	0	0	0	0	207
Tuna, albacore.....	0	0	0	0	0	0	0	1089	4261	244	0	0	5594
Wolf-eel.....	0	0	0	0	0	0	0	0	0	25	0	0	25
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0	96	0	96
Crab, Dungeness, ocean	29445	3433	15635	11518	13195	12518	7928	6436	0	0	0	18247	118355
MOLLUSKS:													
Octopus.....	100	0	0	120	0	0	0	0	0	0	0	0	220
OTHER INVERTEBRATES:													
Sea urchin, red.....	2436	0	0	615	1014	0	0	3860	0	0	0	0	7925
TOTAL	32116	3433	15919	13830	15183	14516	14803	13551	6286	2624	334	18247	150842

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	23	0	0	0	0	0	340	329	6	7	0	0	705
Cod, Pacific.....	39	0	0	37	42	114	56	129	13	5	0	0	435
Flounder, arrowtooth..	562	67	1364	3825	2497	9051	4190	2635	3737	4635	1585	2839	36987
Flounder, starry.....	0	0	0	0	22	30	130	1577	141	89	0	0	1989
Grenadier.....	153	0	193	223	0	378	0	45	497	485	208	58	2240
Halibut, Pacific.....	0	0	0	0	2912	7557	115297	0	0	0	0	0	125766
Herring, Pacific.....	0	50	0	0	0	3	131	110	20	0	0	0	314
Lingcod.....	2074	386	3928	8846	4583	11611	5807	7441	4503	2513	110	0	51802
Lord, red Irish.....	0	0	0	0	0	0	0	9	0	0	0	0	9
Louvar.....	0	0	0	0	0	0	0	0	0	47	0	0	47
Mackerel, jack.....	0	0	0	0	0	0	0	244	240	0	0	0	484
Mackerel, Pacific.....	0	0	0	0	0	0	0	42	130	0	0	0	172
Ratfish.....	0	0	0	0	0	0	0	0	18	0	0	0	18
Pacific Ocean perch...	2672	1586	6212	6184	2957	8283	21651	4010	5643	1116	311	1269	61894
Nominal POP.....	9459	5118	15269	15577	18602	14504	13972	5534	9592	867	230	387	109111
Rockfish, black.....	0	0	0	0	0	2	0	1	22	128	0	0	153
Rockfish, canary.....	2295	1238	7042	26643	26143	46110	19025	17081	12862	656	13	4	159112
Rockfish, widow.....	196232	47443	103283	45684	15652	41410	26106	22408	21515	202233	165281	148857	1036104
Rockfish, yellowtail..	14806	2995	14958	30442	16964	51364	27850	27242	44173	984	0	166	231944
Rockfish, other sp....	1565	150	2735	7566	6573	23524	27612	14597	12912	2890	994	981	102099
Thornyhead, longspine	22873	2084	22761	37526	3291	31142	1296	5698	10507	20759	14991	10976	183904
Thornyhead, shortspine	15598	777	17721	23797	4952	25474	4673	12320	14992	20504	9892	13543	164243
Sablefish.....	43587	4467	86940	119482	140256	168191	48100	1435026	129227	120686	51708	64134	2411804
Salmon, chinook.....	0	0	0	12493	122762	172087	46308	24516	2703	23488	0	0	404357
Salmon, pink.....	0	0	0	0	4	7	14	8	0	0	0	0	33
Sanddab, Pacific.....	8	0	2	437	2073	0	26	49	0	562	0	0	3157
Sardine, Pacific.....	0	0	0	0	0	0	0	711	0	0	0	0	711
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	7	0	0	0	7
Shark, blue.....	0	0	0	0	0	0	0	0	0	4	0	0	4

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, Pacific sleeper	0	0	0	0	0	0	0	0	0	667	0	0	667
Shark, shortfin mako..	0	0	0	0	0	0	66	199	85	168	0	0	518
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	33	0	0	33
Shark, soupfin.....	0	0	0	0	0	0	31	24	174	351	0	0	580
Shark, spiny dogfish..	0	0	0	0	0	0	5	0	0	43	0	0	48
Shark, thresher.....	0	0	0	0	0	0	0	0	0	184	0	0	184
Skates and rays.....	793	15	1251	3622	2421	4331	4019	2140	3159	3379	1190	1571	27891
Sole, curlfin (turbot)	0	0	0	0	12	131	24	545	24	129	0	0	865
Sole, Dover.....	16362	1672	49907	74791	37275	47111	32801	38031	43067	81881	39343	42540	504781
Sole, English.....	398	119	1298	4183	3903	10005	6291	2918	2745	1657	12	23	33552
Sole, petrale.....	26315	3010	22201	30184	27784	68258	44691	7234	13790	8026	1815	19197	272505
Sole, rex.....	996	272	3185	4054	2190	4488	1411	2312	2608	3459	1117	723	26815
Sole, rock.....	0	4	0	0	0	1	20	1074	55	106	0	0	1260
Sole, sand.....	0	0	0	0	232	314	1317	13541	1735	254	0	0	17393
Sturgeon, green.....	0	0	0	0	0	27	9	17	0	105	0	0	158
Surfperch sp.....	0	0	0	0	0	0	0	0	23	0	0	0	23
Swordfish.....	0	0	0	0	0	0	0	0	1148	693	0	0	1841
Tuna, bluefin.....	0	0	0	0	0	0	0	0	8448	454	0	0	8902
Tuna, albacore.....	0	0	0	0	0	108593	586615	654612	222558	158271	0	14	1730663
Whiting, Pac. (hake)..	0	0	0	1492	0	391133	851059	1150157	148843	0	0	0	2542684
Wolf-eel.....	0	0	0	97	48	68	45	5	16	0	0	0	279
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	45	240	0	0	0	0	285
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	146	291	2238	59	2734
Crab, Dungeness, ocean	965639	228039	314108	154878	126891	50789	22225	15523	0	0	0	4472398	6350490
Crab, kelp.....	0	0	2	1	0	0	0	0	0	0	0	0	3
Crab, rock.....	0	67	56	81	79	75	20	3	0	44	111	0	536
Shrimp, mud.....	402	226	807	484	706	35	0	0	0	0	0	415	3075
Shrimp, pink.....	0	0	0	405372	496039	532641	434386	254327	573918	230989	0	0	2927672

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0	0	15	15
Mussels, ocean.....	0	0	38	0	0	150	0	130	27	0	0	0	345
Octopus.....	160	0	100	360	719	211	0	0	25	0	0	0	1575
Snails & chitons.....	0	0	0	0	0	0	0	60	0	0	0	0	60
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	4	0	0	0	0	3	0	0	0	7
Sea stars.....	60	100	16	124	0	158	173	31	58	0	84	230	1034
Sea urchin, red.....	0	0	0	0	0	0	0	9655	0	0	0	0	9655
TOTAL	1323071	299885	675377	1018489	1068584	1829361	2347837	3734540	1296115	893842	291233	4780399	19558733

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPOR, 1999.

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	1813	3299	4461	0	9573
Crab, Dungeness, ocean	0	0	0	0	0	0	0	117	0	0	0	0	117
Crab, hermit.....	0	0	0	0	0	0	0	0	40	0	0	0	40
Crab, other.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Shrimp, ghost.....	1941	2536	2972	4295	5553	7334	8131	5851	6707	6017	695	519	52551
MOLLUSKS:													
Clams, littleneck.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Mussels, ocean.....	150	0	150	150	0	110	0	0	0	0	0	11	571
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	0	8	0	0	0	0	0	0	8
TOTAL	2091	2536	3122	4445	5553	7454	8131	5968	8560	9316	5156	530	62862

TABLE 53A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT YACHATS, 1999.

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 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	0	89	38	34	0	0	0	0	161
Halibut, Pacific.....	0	0	0	0	192	368	17817	0	0	0	0	0	18377
Lingcod.....	0	0	0	31	11	187	563	363	232	0	0	0	1387
Nominal POP.....	0	0	0	0	0	0	115	301	78	0	0	0	494
Rockfish, black.....	0	0	0	0	0	0	0	3	1	0	0	0	4
Rockfish, canary.....	0	0	0	35	4	121	286	474	686	6	0	0	1612
Rockfish, widow.....	0	0	0	0	0	0	8	27	0	4	0	0	39
Rockfish, yellowtail..	0	0	0	40	5	86	931	192	340	0	0	0	1594
Rockfish, other sp....	0	0	0	5	0	3	5148	1812	3345	0	0	0	10313
Sablefish.....	0	0	0	0	14	102	2714	346837	7358	0	0	0	357025
Salmon, chinook.....	0	0	0	1548	17588	29720	6104	9297	75	0	0	0	64332
Salmon, chum.....	0	0	0	0	0	14	0	0	0	0	0	0	14
Salmon, pink.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sanddab, Pacific.....	0	953	1725	4152	0	2975	1062	1059	0	0	0	0	11926
Skates and rays.....	0	0	0	0	0	8	20	0	0	0	0	0	28
Sole, Dover.....	0	0	0	0	654	148	1257	227	1	40	0	0	2327
Sole, English.....	0	141	189	489	12	71	6	45	0	0	0	0	953
Sole, petrale.....	0	168	779	1155	32	676	126	318	9	0	0	0	3263
Sole, rex.....	0	43	80	56	0	4	0	0	0	0	0	0	183
Sole, rock.....	0	0	0	0	0	41	39	0	0	0	0	0	80
Sole, sand.....	0	0	0	0	0	893	456	224	0	0	0	0	1573
Sturgeon, green.....	0	0	0	0	0	0	0	52	0	0	0	0	52
Tuna, albacore.....	0	0	0	0	0	0	9657	12971	10487	700	0	0	33815
Whiting, Pac. (hake)..	0	0	0	0	0	27	0	0	0	0	0	0	27
Wolf-eel.....	0	0	0	1	0	3	0	0	0	0	0	0	4
Wrymouth, giant.....	0	0	0	0	4	0	0	0	0	0	0	0	4
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	948	0	0	948

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Crab, Dungeness, ocean	56029	29573	61903	50033	30186	17769	8372	11925	0	0	0	189287	455077
Shrimp, ghost.....	433	359	497	443	576	640	510	370	250	225	146	411	4860
Shrimp, pink.....	0	0	0	0	6501	12519	15888	1818	0	2478	0	0	39204
TOTAL	56462	31237	65173	57988	55779	66466	71117	388349	22862	4401	146	189698	1009678

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hagfish sp.....	0	0	0	0	0	1784	1854	0	0	0	0	0	3638
Halibut, Pacific.....	0	0	0	0	0	780	1254	0	0	0	0	0	2034
Herring, Pacific.....	0	0	0	0	0	750	0	0	0	0	0	0	750
Lingcod.....	0	0	0	0	54	79	742	455	6	0	0	0	1336
Rockfish, canary.....	0	0	0	0	16	0	131	0	7	6	0	0	160
Rockfish, yellowtail..	0	0	0	3	0	0	0	8	54	8	0	0	73
Rockfish, other sp....	0	0	0	67	9	86	1018	523	47	8	0	0	1758
Sablefish.....	0	0	0	0	0	0	209	124954	1859	0	0	0	127022
Salmon, chinook.....	0	0	0	4855	16514	44303	20771	7945	679	666	0	0	95733
Salmon, pink.....	0	0	0	0	0	19	18	0	0	0	0	0	37
Sardine, Pacific.....	0	0	0	0	100	100	0	0	0	0	0	0	200
Tuna, albacore.....	0	0	0	0	0	0	21814	32176	9872	6401	0	0	70263
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	1351	3604	10057	0	15012
Crab, Dungeness, ocean	126916	33584	126446	79502	41321	14129	12560	6969	0	0	0	582881	1024308
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0	4	0	4
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0	6	0	6
Clams, softshell.....	0	0	0	0	0	0	19	0	0	0	0	0	19
Mussels, ocean.....	0	0	0	0	150	0	0	0	0	0	0	0	150
Octopus.....	0	0	101	0	0	0	0	0	0	0	0	0	101
TOTAL	126916	33584	126547	84427	58164	62030	60390	173030	13875	10693	10067	582881	1342604

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	0	0	40	33	74	47	0	0	194
Cod, Pacific.....	15	0	2	132	418	2	122	83	0	0	0	0	774
Flounder, arrowtooth..	2804	953	3259	2727	4109	6878	6635	6113	3244	5122	2149	3410	47403
Flounder, starry.....	0	0	0	5	0	135	2401	1611	548	31	0	0	4731
Greenling sp.....	0	0	0	0	0	0	1	5	0	0	0	0	6
Grenadier.....	1040	55	888	1679	385	1570	2576	3861	1369	2896	767	380	17466
Hagfish sp.....	6935	4125	17142	20597	13973	27818	27330	15208	0	11133	7191	9772	161224
Halibut, California...	0	0	15	0	0	12	0	30	20	0	0	0	77
Halibut, Pacific.....	0	0	0	0	549	236	30957	86	0	0	0	0	31828
Lingcod.....	1840	439	2991	3709	5797	10160	6790	11888	6017	2339	1109	1271	54350
Mackerel, jack.....	0	0	0	0	0	0	0	924	16	0	0	0	940
Mackerel, Pacific.....	0	0	0	0	0	0	0	200	3	0	0	0	203
Pacific Ocean perch...	0	645	1113	386	164	31	359	1575	214	196	596	1203	6482
Nominal POP.....	5050	2052	6139	6574	5053	8880	9138	6479	9709	477	121	608	60280
Rockfish, black.....	0	0	4	0	99	6	107	776	140	72	0	2	1206
Rockfish, canary.....	5284	145	2175	5973	8330	29306	23805	24276	13964	1474	290	275	115297
Rockfish, widow.....	66678	34231	72893	17969	12418	25002	11274	23524	10422	50537	6778	25587	357313
Rockfish, yellowtail..	22531	3666	6460	13590	22993	35904	15630	24893	15668	691	0	252	162278
Rockfish, other sp....	18818	4309	10434	9674	24715	23084	43492	29070	8938	2568	475	1542	177119
Thornyhead, longspine	52454	2766	53664	35958	35008	49815	34953	57215	26388	53611	26454	38662	466948
Thornyhead, shortspine	27372	2702	18570	11790	10792	21361	12115	16648	15648	20016	11078	12571	180663
Sablefish.....	72067	17091	106457	77718	114609	127546	125555	523976	79348	123278	75109	98781	1541535
Salmon, chinook.....	0	0	0	236	13762	246480	16317	212088	11741	8051	0	0	508675
Salmon, pink.....	0	0	0	0	0	21	4	8	6	0	0	0	39
Sanddab, Pacific.....	7170	2694	20919	28536	15144	3164	7854	2875	1085	19695	1875	2434	113445
Shad, American.....	0	0	102	38	0	1	3	0	0	0	0	0	144
Shark, blue.....	0	0	0	0	0	0	27	0	0	0	0	0	27
Shark, shortfin mako..	0	0	0	0	0	0	41	25	0	0	0	0	66
Shark, soupfin.....	32	0	30	0	0	24	64	60	0	26	0	0	236

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, thresher.....	0	0	0	0	9	0	0	0	0	0	0	0	9
Skates and rays.....	3875	3004	8409	3770	5862	7976	4696	6566	3949	6229	3618	4889	62843
Sole, butter.....	0	0	0	0	7	0	197	0	0	0	0	0	204
Sole, curlfin (turbot)	0	0	0	0	0	18	302	175	97	1	0	0	593
Sole, Dover.....	91173	34088	211135	66392	83424	85438	61022	91942	55443	135591	71732	80566	1067946
Sole, English.....	7278	4947	17566	14793	10832	9527	8186	9990	4912	6602	2147	7059	103839
Sole, petrale.....	195152	109520	52366	24745	11720	11852	8029	8852	4953	10009	10565	132414	580177
Sole, rex.....	12127	4674	14436	9529	7087	7375	7473	6496	3934	8116	4383	10762	96392
Sole, rock.....	0	0	0	19	84	164	674	556	190	0	0	0	1687
Sole, sand.....	0	0	0	13	0	580	13805	17244	10691	606	0	0	42939
Sturgeon, green.....	0	0	0	79	0	74	238	35	48	0	0	0	474
Sturgeon, white.....	0	0	0	0	0	0	0	0	58	0	0	0	58
Tuna, albacore.....	0	0	0	0	0	0	16268	142186	105186	25548	18981	0	308169
Whiting, Pac. (hake)..	406	0	0	0	0	39884	73030	86670	4239	0	0	0	204229
Wolf-eel.....	2	0	3	27	118	202	38	20	0	4	0	0	414
Wrymouth, giant.....	0	0	0	4	8	1	10	29	3	8	0	0	63
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	47	1707	23923	8730	34407
Crab, Dungeness, ocean	312063	61263	147767	97806	83468	49560	13254	8650	0	0	33	1635295	2409159
Shrimp, ghost.....	280	50	159	213	262	206	155	101	218	0	0	0	1644
Shrimp, pink.....	0	0	0	804878	541709	397564	336176	298938	287482	116727	0	0	2783474
Shrimp, spot.....	0	0	2564	0	1450	107	0	0	0	0	0	762	4883
MOLLUSKS:													
Clams, cockle.....	165	0	426	637	0	0	2	0	390	1417	0	326	3363
Clams, gaper.....	0	0	0	0	0	0	61	0	0	1981	2321	597	4960
Octopus.....	34	0	34	70	0	8	0	14	0	0	0	0	160
Squid.....	0	0	1	0	0	0	0	0	0	0	0	0	1
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	0	0	0	0	10774	0	0	0	0	10774
TOTAL	912645	293419	778123	1260266	1034358	1227972	921206	1652768	686402	616806	271695	2078150	11733810

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Greenling sp.....	0	0	0	0	0	0	1	2	0	0	0	0	3
Halibut, Pacific.....	0	0	0	0	0	80	0	0	0	0	0	0	80
Lingcod.....	0	0	0	0	0	42	56	727	133	0	0	0	958
Rockfish, black.....	0	0	0	0	0	0	37	101	0	0	0	0	138
Rockfish, canary.....	0	0	0	0	0	0	148	222	0	0	0	0	370
Rockfish, yellowtail..	0	0	0	0	0	0	3	10	0	0	0	0	13
Rockfish, other sp....	0	0	63	104	0	99	224	877	266	49	0	0	1682
Salmon, chinook.....	0	0	0	127	289	8869	980	22128	1356	325	675	0	34749
Salmon, pink.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Tuna, albacore.....	0	0	0	0	0	0	0	2219	0	0	0	0	2219
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	150	0	0	150
Crab, Dungeness, ocean	0	0	218	610	0	201	0	382	0	0	0	0	1411
TOTAL	0	0	281	841	289	9291	1449	26675	1755	524	675	0	41780

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	3432	80	1400	8344	5202	9781	7665	7342	3487	2523	286	5	49547
Flounder, arrowtooth..	0	0	1	0	0	0	0	41	6	2	0	0	50
Greenling sp.....	1580	43	1298	18510	13606	24404	25061	20159	5025	6319	577	1	116583
Grenadier.....	0	0	0	0	0	0	10	0	0	0	0	0	10
Halibut, Pacific.....	0	0	0	0	0	0	25030	0	0	0	0	0	25030
Lingcod.....	4152	65	862	13059	6950	11191	7887	8198	3541	1544	353	8	57810
Lord, red Irish.....	0	0	0	10	24	46	17	20	0	1	0	0	118
Pacific Ocean perch...	0	0	0	0	0	195	0	0	0	0	0	0	195
Nominal POP.....	50	0	23	303	205	244	582	1177	641	159	10	0	3394
Rockfish, black.....	2530	179	1924	13940	9418	17407	11547	12676	6062	4172	815	318	80988
Rockfish, canary.....	5003	9	1055	11757	15747	16426	10083	7457	5191	1866	127	314	75035
Rockfish, widow.....	31	0	0	222	162	464	734	436	545	133	0	0	2727
Rockfish, yellowtail..	393	1	97	2111	3106	4744	3786	1769	1424	380	26	25	17862
Rockfish, other sp....	10283	223	3692	23389	15855	46227	53306	47969	23745	13603	1602	129	240023
Sablefish.....	2103	0	1504	3608	10483	2718	11191	405262	18560	17961	114	0	473504
Salmon, chinook.....	0	0	0	48	0	56	246	28730	1573	68010	59198	1965	159826
Sculpin, buffalo.....	0	0	0	0	0	1	0	2	3	0	0	0	6
Sculpin, other sp.....	0	0	0	0	0	10	0	3	9	1	0	0	23
Shark, soupfin.....	0	0	0	0	0	0	0	11	4	0	0	0	15
Sole, curlfin (turbot)	0	0	0	0	0	0	0	21	3	2	0	0	26
Sole, Dover.....	0	0	0	3	3	0	8	18	1	0	0	0	33
Sole, petrale.....	3	0	0	6	2	0	84	6	4	0	0	0	105
Sole, rock.....	0	0	0	0	0	0	0	3	0	1	0	0	4
Sole, sand.....	0	0	0	5	4	2	49	9	0	5	0	0	74
Surfperch sp.....	0	0	0	3	4	0	0	0	0	1	0	0	8
Tuna, albacore.....	0	0	0	0	0	0	417	0	0	0	0	0	417
Wolf-eel.....	5	0	11	193	91	146	126	239	64	81	0	0	956

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, ocean	251484	62356	194967	95057	73515	37404	10451	3810	0	0	0	618366	1347410
Shrimp, coonstripe....	0	0	0	81	0	0	318	354	0	303	0	0	1056
MOLLUSKS:													
Octopus.....	433	67	507	231	88	95	189	86	0	0	0	0	1696
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sea urchin, red.....	1425	0	7353	15998	508	0	0	873	0	350	9960	31296	67763
TOTAL	282907	63023	214694	206878	154973	171563	168787	546671	69888	117417	73068	652427	2722296

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	548	0	146	417	765	1607	10903	6142	1781	1964	221	708	25202
Greenling sp.....	1734	0	318	1317	4087	6990	14102	15403	4159	5486	804	5616	60016
Lingcod.....	0	0	0	1415	1329	1403	4544	5745	2848	0	0	0	17284
Lord, red Irish.....	0	0	0	0	14	13	0	0	0	6	0	0	33
Nominal POP.....	0	0	0	0	0	0	0	1	3	0	0	0	4
Rockfish, black.....	524	0	50	78	644	1135	4139	2768	888	1682	138	519	12565
Rockfish, canary.....	0	0	0	66	33	66	1364	1036	381	306	3	4	3259
Rockfish, widow.....	0	0	0	0	0	0	0	98	0	11	0	0	109
Rockfish, yellowtail..	107	0	84	0	3	12	160	135	3	51	0	0	555
Rockfish, other sp....	1175	0	72	973	1072	2548	24963	27910	11716	10574	647	1030	82680
Sablefish.....	0	0	0	0	0	0	0	0	0	96	0	0	96
Salmon, chinook.....	0	0	0	0	42	3015	507	1114	45	0	0	0	4723
Skates and rays.....	0	0	0	0	0	0	0	0	0	1	0	0	1
Sole, sand.....	0	0	0	0	0	0	6	0	0	0	0	0	6
Surfperch sp.....	0	0	0	0	0	0	0	13	0	0	0	0	13
Tuna, albacore.....	0	0	0	0	0	0	685	0	2023	0	0	0	2708
Wolf-eel.....	0	0	0	0	0	0	68	14	7	16	0	0	105
CRUSTACEANS:													
Crab, Dungeness, ocean	0	893	1480	6210	9309	1031	1242	1279	0	0	0	7094	28538
Shrimp, coonstripe....	0	0	0	63	135	0	0	252	0	15	0	0	465
MOLLUSKS:													
Octopus.....	0	0	0	20	0	0	0	0	0	0	0	0	20
Scallops, rock.....	0	0	0	0	0	0	0	0	0	4	0	0	4
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	133	0	0	0	1228	18275	6687	562	0	26885
TOTAL	4088	893	2150	10692	17433	17820	62683	63138	42129	26899	2375	14971	265271

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1999.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	3	0	62	1011	2540	4646	3806	2017	828	408	0	7	15328
Cod, Pacific.....	0	0	0	0	0	0	0	0	5	0	0	0	5
Flounder, arrowtooth..	69	0	148	5	134	173	150	697	239	762	426	234	3037
Flounder, starry.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Greenling sp.....	0	0	5	150	807	1290	600	402	243	160	0	0	3657
Grenadier.....	0	118	955	0	392	249	77	1036	184	1250	150	22	4433
Halibut, Pacific.....	0	0	0	0	0	0	12513	0	0	0	0	0	12513
Lingcod.....	298	46	462	2614	4523	6626	4764	5287	2554	1561	897	977	30609
Lord, red Irish.....	0	0	2	0	0	0	0	0	10	0	0	0	12
Nominal POP.....	342	30	748	630	1170	2397	1355	1720	1743	115	71	66	10387
Rockfish, black.....	49	0	77	1588	2316	2521	4839	2442	2554	4387	39	68	20880
Rockfish, canary.....	274	182	1417	2705	7308	14047	3460	3760	2509	445	3	17	36127
Rockfish, widow.....	16655	8436	51933	7004	13405	17752	827	5183	3694	10202	15019	3256	153366
Rockfish, yellowtail..	299	752	3845	2019	13003	18587	4355	6385	3892	156	0	0	53293
Rockfish, other sp....	705	40	4515	3175	9800	10599	6477	4367	1731	1158	348	489	43404
Thornyhead, longspine	716	3598	14146	863	17064	14145	13887	22448	9550	21518	7599	2405	127939
Thornyhead, shortspine	3674	4630	10850	2700	9167	10362	4636	11132	3332	9520	5438	1901	77342
Sablefish.....	7720	14672	61895	11892	41064	53794	22436	70078	23215	49363	26472	15423	398024
Salmon, chinook.....	0	0	0	0	485	2680	1048	17489	3578	15296	2356	0	42932
Sanddab, Pacific.....	3	0	0	436	199	97	174	186	228	1072	0	0	2395
Sculpin, buffalo.....	0	0	2	4	0	0	0	0	0	0	0	0	6
Shark, soupfin.....	0	0	0	0	26	0	23	15	0	36	0	0	100
Skates and rays.....	907	0	1476	799	1442	2220	1812	1828	1244	3888	1658	1199	18473
Sole, curlfin (turbot)	0	0	0	2	1	1	0	45	0	0	0	0	49
Sole, Dover.....	8755	9671	44253	9221	28635	38065	18749	37650	14556	52467	18582	10905	291509
Sole, English.....	152	1	1290	604	1672	658	4052	2147	1997	2955	80	178	15786
Sole, petrale.....	31270	111	4442	1330	2060	934	2849	1745	3110	4821	3066	35200	90938
Sole, rex.....	2417	525	1682	676	1506	2011	401	1171	692	2301	896	1621	15899
Sole, sand.....	0	0	0	0	0	0	0	17	4	0	0	0	21

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1999.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Surfperch sp.....	0	0	404	356	0	0	0	6	4	0	0	0	770
Tuna, albacore.....	0	0	0	0	0	0	500	163	9692	7527	0	0	17882
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	194	506	700
Wolf-eel.....	0	0	0	8	5	23	36	0	0	0	0	0	72
Wrymouth, giant.....	0	0	0	0	0	0	0	6	0	4	0	0	10
CRUSTACEANS:													
Crab, Dungeness, ocean	316688	73581	113909	33403	64792	27093	8087	2482	0	0	0	2268574	2908609
Shrimp, coonstripe....	0	0	0	0	0	81	108	1074	972	0	0	0	2235
Shrimp, pink.....	0	0	0	283931	178034	69061	97483	113374	46534	43293	0	0	831710
Shrimp, spot.....	0	0	0	0	0	0	0	2513	0	642	0	9928	13083
MOLLUSKS:													
Octopus.....	376	108	283	71	80	6	10	0	0	4	0	62	1000
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	6871	2562	46	0	4695	829	862	0	0	15865
TOTAL	391372	116501	318801	374068	404192	300164	219514	323566	139723	236173	83294	2353038	5260406

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private hatcheries 1994-1999.

Table 62. Pounds of salmon harvested by Oregon private salmon hatcheries, 1999.

No private hatchery returns reported.

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1999.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CLACKAMAS													
Crayfish	0	0	0	0	0	17	1631	4484	2575	0	0	0	8707
Lamprey, Pacific	0	0	0	0	0	542	26605	2302	0	0	0	0	29449
TOTAL	0	0	0	0	0	559	28236	6786	2575	0	0	0	38156
CLATSOP													
Crayfish	0	0	0	112	60	1572	3914	2283	3941	3939	0	0	15821
COLUMBIA													
Crayfish	0	0	0	0	0	139	0	0	0	2351	0	0	2490
JEFFERSON													
Crayfish	0	0	0	997	4604	5146	5973	841	0	0	0	0	17561
LAKE													
Shrimp, Brine	0	0	0	0	0	11400	15500	6900	0	0	0	0	33800
MULTNOMAH													
Crayfish	0	0	0	0	0	146	582	101	5175	1626	0	0	7630
WASHINGTON													
Crayfish	0	0	0	0	0	3627	1983	2473	521	0	0	0	8604
YAMHILL													
Crayfish	0	0	0	0	0	1450	5475	1168	800	0	0	0	8893
TOTAL													
Carp	0	0	0	0	0	0	0	0	0	0	0	0	0
Crayfish	0	0	0	1109	4664	12097	19558	11350	13012	7916	0	0	69706
Mussels, Freshwater	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific	0	0	0	0	0	542	26605	2302	0	0	0	0	29449
Shrimp, Brine	0	0	0	0	0	11400	15500	6900	0	0	0	0	33800

Table 64. Oregon oyster production (gallons), 1990-99 1/

Bay/Species	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<u>Tillamook Bay</u>										
Pacific oyster.....	13,782	6,150	6,985	6,231	4,498	4,069	5,494	9,650	4,166	2,911
<u>Netarts Bay</u>										
Pacific oyster.....	219	2,618	1,510	1,937	1,895	2,950	3,192	2,781	3,351	5,428
<u>Yaquina Bay</u>										
Pacific oyster.....	6,570	10,350	11,008	6,634	9,049	15,602	11,030	16,372	6,770	15,494
<u>Winchester Bay</u>										
Pacific oyster.....	--	--	--	--	--	--	--	5,481	4,767	--
<u>Coos Bay</u>										
Pacific oyster.....	4,722	4,062	3,323	4,645	6,155	5,767	4,344	3,826	2,712	2,202
TOTAL	25,293	23,180	22,826	19,447	21,597	28,388	24,060	38,110	21,766	29,406

1/ Production data from acres leased from State of Oregon. Does not include private land production.

SOURCE: Oregon Department of Agriculture