

1998

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



Oregon Department of Fish and Wildlife

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by

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FOREWORD

The statistics presented in this publication provide information on the amount and value of commercial food fish landings in the State of Oregon in 1998. 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.

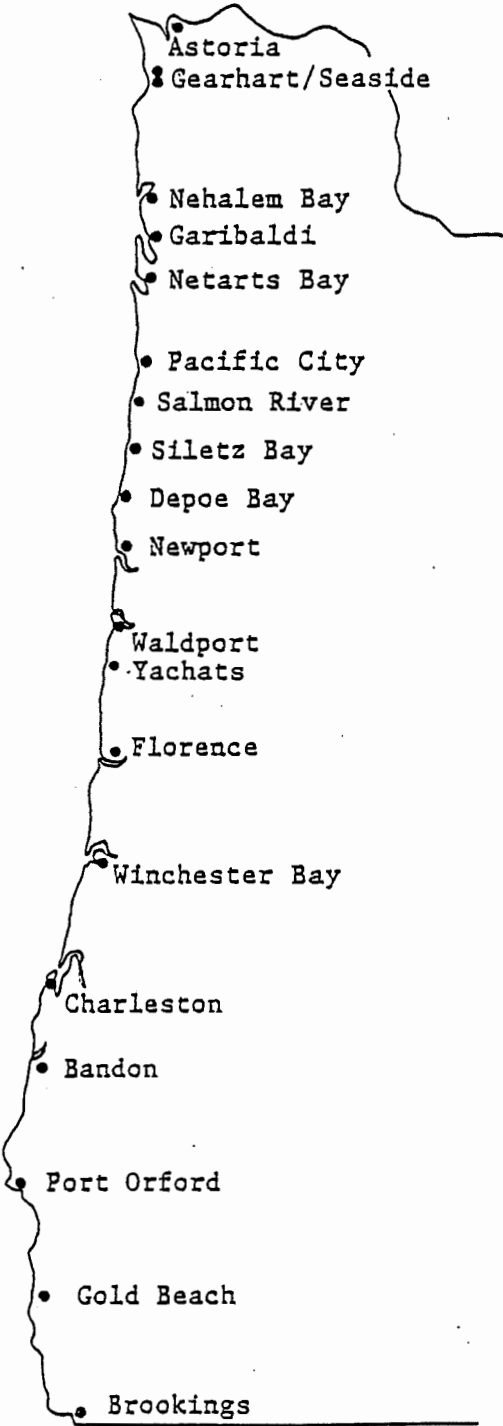
The knowledge, expertise and highly conscientious efforts of the Department staff through the years have played a large part in insuring that the Oregon commercial fisheries data base is one of the most accurate and timely data bases (with respect to preliminary information) on the Pacific coast. The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

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Oregon Coastal Ports



EXPLANATION OF TABLES

Source of Data

Oregon law requires commercial fishermen to sell their catch to a licensed wholesale fish or bait dealer. At time of sale, the dealer must record certain information on a Fish Receiving Ticket 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

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-likes 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, 1989-98) 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:		Shark,		CRUSTACEANS:	
Anchovy, northern.....	<i>Engraulis mordax</i>	blue	<i>Prionace glauca</i>	Barnacle, gooseneck.....	<i>Mitella polymerus</i>
Cabezon	<i>Scorpaenichthys marmoratus</i>	Pacific sleeper.....	<i>Somniosus pacificus</i>	Crab,	
Carp.....	<i>Cyprinus carpio</i>	shortfin mako.....	<i>Isurus oxyrinchus</i>	box.....	<i>Lopholithodes foraminatus</i>
Cod, Pacific	<i>Gadus macrocephalus</i>	sixgill	<i>Hexanchus griseus</i>	Dungeness	<i>Cancer magister</i>
Dace, speckled	<i>Rhinichthys osculus</i>	soupin.....	<i>Galeorhinus zyopterus</i>	hermit.....	<i>Paguridea</i> sp.
Dolphinfish.....	<i>Coryphaena hippurus</i>	spiny dogfish	<i>Squalus acanthias</i>	kelp	<i>Pugettia producta</i>
Flounder,		thresher	<i>Alopias vulpinus</i>	rock	<i>Cancer productus</i>
arrowtooth.....	<i>Atheresthes stomias</i>	Shiner, reidside	<i>Richardsonius balteatus</i>	sand (mole)	<i>Emerita analoga</i>
starry	<i>Platichthys stellatus</i>	Skates and Rays	Families Rajidae,	Tanner.....	<i>Chionoecetes</i> sp.
Greenling sp.	<i>Hexagrammos</i> sp.	.....	Torpedinidae, Myliobatidae	Crayfish.....	<i>Pacifastacus</i> sp.
Grenadier sp.....	Family Macrouridae	Skiffish.....	<i>Erelepis zonifer</i>	Shrimp,	
Hagfish sp.....	<i>Eptatretus</i> sp.	Smelt (euchalon)	<i>Thaleichthys pacificus</i>	brine.....	<i>Artemia salina</i>
Halibut, California.....	<i>Paralichthys californicus</i>	Smelt, whitebait.....	<i>Allosmerus elongatus</i>	coonstripe	<i>Pandalus hypsinotus</i>
Halibut, Pacific	<i>Hippoglossus stenolepis</i>	Smelt, other sp	Family Osmeridae	ghost (sand)	<i>Callinassa californiensis</i>
Herring, Pacific	<i>Clupea pallasii</i>	Snailfish, blacktail.....	<i>Careproctus melanurus</i>	mud.....	<i>Upogebia pugettensis</i>
Lamprey, Pacific	<i>Lampetra tridentata</i>	Sole,		pink	<i>Pandalus jordani</i>
Lingcod.....	<i>Ophiodon elongatus</i>	butter	<i>Pleuronectes isolepis</i>	spot.....	<i>Pandalus platyceros</i>
Lord, brown Irish	<i>Hemilepidotus spinosus</i>	curffin.....	<i>Pleuronichthys decurrens</i>	Water flea.....	Family Daphnidae
Lord, red Irish.....	<i>Hemilepidotus hemilepidotus</i>	Dover.....	<i>Microstomus pacificus</i>		
Mackerel.....	Families Carangidae,	English	<i>Pleuronectes vetulus</i>	MOLLUSKS:	
.....	Scombridae	flathead	<i>Hippoglossoides elassodon</i>	Clam,	
Mackerel, jack.....	<i>Trachinotus symmetricus</i>	petrale	<i>Eopsetta jordani</i>	butter.....	<i>Saxidomus giganteus</i>
Mackerel, Pacific (chub).....	<i>Scomber japonicus</i>	rex	<i>Errex zachirus</i>	cockle.....	<i>Clinocardium nuttallii</i>
Marlin, striped	<i>Tetrapturus audax</i>	rock	<i>Pleuronectes bilineatus</i>	gaper.....	<i>Tresus capax</i>
Minnow, fathead	<i>Pimephales promelas</i>	sand	<i>Psettichthys melanostictus</i>	littleneck.....	<i>Protothaca staminea</i>
Opah.....	<i>Lampris guttatus</i>	slender	<i>Eopsetta exilis</i>	razor.....	<i>Siliqua patula</i>
Pollock, walleye	<i>Theragra chalcogramma</i>	Squawfish, northern.....	<i>Ptychocheilus oregonensis</i>	softshell.....	<i>Mya arenaria</i>
Prickleback, monkeyface....	<i>Cebidichthys violaceus</i>	Steelhead	<i>Oncorhynchus mykiss</i>	Mussel, freshwater	Families Corbiculidae and
Ratfish	<i>Hydrolagus collicii</i>	Sturgeon,		.....	Unionidae
Rockfish,		green	<i>Acipenser medirostris</i>	Mussel, ocean	<i>Mytilus</i> sp.
black.....	<i>Sebastes melanops</i>	white	<i>Acipenser transmontanus</i>	Octopus.....	<i>Octopus</i> sp.
canary.....	<i>Sebastes pinniger</i>	Sucker, bridgelip.....	<i>Catostomus columbianus</i>	Oyster,	
other sp.....	<i>Sebastes</i> sp.	Sucker, largescale.....	<i>Catostomus macrocheilus</i>	Kumomoto.....	<i>Crassostrea gigas</i> var.
Pacific Ocean perch.....	<i>Sebastes alutus</i>	Sunfish, ocean.....	<i>Mola mola</i>	native	<i>Ostrea lurida</i>
widow.....	<i>Sebastes entomelas</i>	Surfperch sp.....	Family Embiotocidae	Pacific	<i>Crassostrea gigas</i>
yellowtail	<i>Sebastes flavidus</i>	Swordfish.....	<i>Xiphias gladius</i>	Scallop, rock	<i>Crassedoma giganteum</i>
Sablefish.....	<i>Anoplopoma fimbria</i>	Thomyhead, longspine	<i>Sebastolobus altivelis</i>	Scallop, weathervane	<i>Patinoplectin caurinus</i>
Salmon,		Thomyhead, shortspine.....	<i>Sebastolobus alascanus</i>	Squid.....	<i>Loligo opalescens</i>
chinook	<i>Oncorhynchus tshawytscha</i>	Tomcod, Pacific.....	<i>Microgadus proximus</i>		
chum.....	<i>Oncorhynchus keta</i>	Tuna,		OTHER INVERTEBRATES:	
coho.....	<i>Oncorhynchus kisutch</i>	albacore.....	<i>Thunnus alalunga</i>	Bloodworm	<i>Euzonus</i> sp.
pink.....	<i>Oncorhynchus gorbuscha</i>	bluefin.....	<i>Thunnus thynnus</i>	Sand dollar	<i>Dendroaster excentricus</i>
sockeye	<i>Oncorhynchus nerka</i>	skipjack	<i>Euthynnus</i> sp.	Sea cucumber	<i>Cucumaria</i> and
Sanddab, Pacific.....	<i>Citharichthys sordidus</i>	yellowfin	<i>Thunnus albacares</i>	.....	<i>Parastichopus</i> sp.
Sardine, Pacific	<i>Sardinops sagax</i>	other sp	Family Scombridae	Urchin, purple sea	<i>Strongylocentrotus purpuratus</i>
Sculpin, buffalo	<i>Enophrys bison</i>	Walleye	<i>Stizostedion vitreum</i>	Urchin, red sea.....	<i>Strongylocentrotus</i>
Sculpin, other sp.....	Family Cottidae	Whiting, Pacific (hake).....	<i>Merluccius productus</i>	.....	<i>fanciscanus</i>
Shad, American	<i>Alosa sapidissima</i>	Wolf-eel	<i>Anarrhichthys ocellatus</i>	Worms, tube.....	<i>Serpula</i> , sp.
		Wrymouth, giant	<i>Cryptacanthodes giganteus</i>		

Table 2. Type and number of commercial fishing licenses and permits issued, 1989-98

Type	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Albacore tuna landing.....	55	46	32	91	120	101	129	209	197	140
Bait Fishing.....	113	118	108	96	70	56	74	47	47	51
Boat.....	3,508	3,388	2,959	—	—	—	—	—	—	—
Resident 1/.....	—	—	—	2,263	2,037	1,897	1,805	1,659	1,542	1,437
Non-resident 1/.....	—	—	—	653	520	443	414	372	351	348
Crew fishing 2/.....	—	—	—	—	—	229	348	450	472	452
Individual fishing.....	7,105	6,050	5,592	—	—	—	—	—	—	—
Resident 1/.....	—	—	—	3,643	3,308	2,839	2,740	2,440	2,220	2,070
Non-resident 1/.....	—	—	—	609	527	393	392	378	302	302
Juvenile fishing.....	250	184	148	94	70	62	100	73	72	69
Single Delivery.....	108	77	103	174	184	105	67	40	36	14
Crab permit 3/.....	—	—	—	—	—	—	444	461	459	455
Gillnet permit.....	356	355	354	350	344	336	330	327	325	323
Scallop permit.....	105	100	88	62	60	93	77	64	56	47
Shrimp permit.....	211	208	203	199	197	195	195	189	188	187
Troll permit.....	2,574	2,528	2,048	2,112	1,821	1,572	1,469	1,377	1,295	1,201
Sea urchin permit	92	72	60	49	46	43	39	39	33	34
Bait dealers:										
Reporting.....	71	55	63	58	51	49	47	37	38	40
Non-reporting.....	30	28	29	26	23	21	21	19	19	15
Buyer.....	159	141	127	85	65	53	44	51	50	42
Canner, fish.....	7	8	9	9	7	8	6	8	6	5
Canner, shellfish.....	2	2	1	1	0	0	1	1	1	0
Limited fish seller.....	77	85	65	86	111	119	97	107	114	160
Wholesale fish dealer:										
Reporting.....	188	170	160	124	113	102	109	99	93	86
Non-reporting.....	36	32	33	21	12	12	16	16	11	9
Private hatchery.....	6	4	4	0	1	1	1	1	1	1
Boat, lost license.....	35	29	22	11	12	10	10	10	15	25
Indiv. fishing, lost license.....	50	47	37	37	30	24	37	20	23	24
Permit fisheries, lost permit..	29	22	11	10	6	4	9	11	19	29
TOTAL	15,167	13,749	12,256	10,863	9,735	8,767	9,021	8,505	7,985	7,566

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

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1989-1998.

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
FISH:										
Anchovy, northern.....	30	0	0	0	2	2000	485	0	0	25
Cabezon.....	14765	11383	18339	15941	3226	15495	12686	12590	46179	59300
Carp.....	0	0	0	218	0	0	7488	0	0	0
Cod, Pacific.....	1720551	510279	1134083	917172	1084073	376053	177067	185068	115644	173076
Dace, speckled.....	0	0	74	66	0	0	0	0	0	0
Dolphinfish.....	0	0	0	0	0	0	26	0	180	0
Flounder, arrowtooth..	2505977	4000879	4604857	4543936	3657146	3793635	3115812	2465395	2561594	3506589
Flounder, starry.....	443256	237846	718486	156589	164210	138466	81747	58972	118472	115310
Greenling sp.....	169	7	50	35	183	399	84	1466	23305	21681
Grenadier.....	112981	191831	254024	310459	817038	879490	1050256	936982	665289	614025
Hagfish sp.....	344187	167453	274535	751281	332779	5370	2166	38297	24172	19611
Halibut, California...	0	0	0	16	0	70	104	390	522	170
Halibut, Pacific.....	916024	622233	544446	711874	662687	539997	542916	310372	376592	236566
Herring, Pacific - roe	0	0	0	0	0	0	0	0	6168	0
Herring, Pacific.....	546391	475634	430494	437200	168353	16359	137923	171947	179855	326879
Lamprey, Pacific.....	8366	14203	32221	9089	17858	14260	21897	31264	34242	28218
Lingcod.....	2591820	1927617	3277413	1568033	1840715	1898239	1422443	1570067	1689232	354314
Lord, brown Irish.....	2	1	8	0	2	10	0	14	0	0
Lord, red Irish.....	2	35	11	2	12	53	56	4	64	123
Louvar.....	0	0	0	0	0	0	0	50	149	455
Mackerel, Pacific.....	10443	22679	43590	1716941	1226850	1002140	744588	703599	4374062	2694693
Marlin, striped.....	0	0	73	0	0	0	0	0	98	0
Minnow, fathead.....	0	0	7	69	405	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	62	147	1131
Pollock, walleye.....	47	31	340	120	455	33	91	0	0	2
Pomfret, Pacific.....	0	0	0	0	0	0	0	0	178	6
Prickleback spp.....	0	0	0	0	0	0	4	0	0	0
Prowfish.....	0	0	0	0	0	0	0	0	0	11
Ragfish.....	0	0	0	0	0	0	0	0	37	405

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1989-1998. (CONT.)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Ratfish.....	110	24	167	253	98	11	94	0	11	2
Pacific Ocean perch...	1557365	1084209	1653609	1186075	1564342	1213593	1015667	1060192	881818	887429
Nominal POP.....	3046384	2991281	3428857	1980933	4410081	3256920	1819758	1651746	1782834	1470855
Rockfish, black.....	1/	1/	1/	1/	1/	208238	220191	309746	398630	435486
Rockfish, canary.....	1/	1/	1/	1/	1/	2/	1166171	1676354	1541928	1786477
Rockfish, widow.....	15236547	12226558	9664121	11011727	14723070	9728256	8566311	8372794	11109047	6474241
Rockfish, yellowtail..	4076729	4011601	3857810	8374166	6251541	6875837	6743150	7834529	2785108	3792788
Rockfish, other sp....	11086159 1/	7134485 1/	10053489 1/	8578115 1/	8906024 1/	5009014 2/	2547151	2461809	2160170	2132872
Thornyhead sp.....	5564151 3/	9980977 3/	7718124 3/	9438100 3/	9833358 3/	8915929 3/	0	0	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	3/	5781259	4835143	4011309	2130156
Thornyhead, shortspine	3/	3/	3/	3/	3/	3/	1561082	1337699	1118880	1084964
Sablefish.....	8704848	8230977	8667954	8726275	8660394	9037720	6980400	7065064	6542958	3888688
Salmon, chinook.....	7610539	4202223	1795378	1676951	1490396	720759	2602364	2612462	2083598	1777258
Salmon, chum.....	4164	3909	1298	2786	256	186	102	60	250	111
Salmon, coho.....	3836619	1041908	3421096	446454	207671	488886	190518	216444	150724	193806
Salmon, pink.....	20295	0	8786	19	33	0	420	0	145	6
Salmon, sockeye.....	59	0	0	11	0	0	0	0	0	0
Sanddab, Pacific.....	162923	429616	690675	646542	622151	1139676	1503718	229009	531909	291978
Sardine, Pacific.....	0	0	0	8568	517	44	0	10	94	2220
Sculpin, buffalo.....	10	8	4	2	2	1	0	4	3	7
Sculpin, other sp.....	2	0	8	0	28	98	101	32	0	8
Shad, American.....	194516	497513	141094	429634	423729	259468	348530	337384	149099	197215
Shark, blue.....	0	56	97	125	356	137	868	1267	961	4692
Shark, Pacific sleeper	0	0	0	0	0	0	164	1757	0	0
Shark, shortfin mako..	0	0	0	0	0	0	0	279	879	1968
Shark, sixgill.....	135	118	300	13	111	150	0	115	300	319
Shark, soupfin.....	3264	3709	4719	4588	4123	2767	2306	5463	3781	3171
Shark, spiny dogfish..	698	15611	145405	121575	76843	152838	110742	27053	14517	344998
Shark, thresher.....	30	655	0	1306	629	0	1302	294	193	346
Shark, other sp.....	159	92	40	0	527	77	1140	148	154	497

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1989-1998. (CONT.)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Shiner, redbside.....	0	0	193	154	0	0	564	0	0	0
Skates and rays.....	8319	2112	6352	3244	3464	18058	261687	1245286	1934463	523279
Skilfish.....	0	0	0	147	0	0	0	0	0	32
Smelt (eulachon).....	19968	1068	1580	2644	27122	210	6816	7094	27059	7081
Smelt, Surf.....	0	0	188	0	0	0	0	0	0	0
Smelt, whitebait.....	4512	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	9686	40	400	1627	336	2150	406	222	115	500
Snailfish, blacktail..	0	0	0	0	44	38	4	0	0	0
Sole, butter.....	2465	0	817	167	255	1936	58	0	5811	7879
Sole, curlfin (turbot)	5420	574	2507	848	3003	5928	2506	4599	5781	5530
Sole, Dover.....	19638358	16553757	19428977	13399167	14293885	8533771	7793874	10334613	8742456	8376815
Sole, English.....	1527272	1122209	1864935	1383963	1583218	789608	689004	860721	1214554	1047200
Sole, flathead.....	7252	17111	6288	18096	11697	7648	5946	10507	6005	6524
Sole, petrale.....	1901739	1639907	2054029	1699928	1708468	1357412	1756061	1588255	1776714	1503352
Sole, rex.....	623183	500134	948308	730812	603366	483734	470253	665632	682082	641078
Sole, rock.....	5555	5018	3913	724	4218	8417	2070	11724	28740	12527
Sole, sand.....	487093	467730	634274	388724	465958	411275	175611	160370	191305	106239
Sole, slender.....	0	0	0	0	0	0	40	0	0	0
Squawfish, northern...	42	0	36	32	0	0	0	0	0	0
Steelhead.....	252099	163502	117564	237716	149371	75282	68572	13473	9831	7065
Sturgeon, green.....	10673	9528	27495	22357	23260	6940	6358	16874	45818	23315
Sturgeon, white.....	200472	184308	111602	152017	188783	142025	134052	171648	311830	287160
Sturgeon, white - roe	0	0	0	10	66	61	0	40	6	0
Sucker, bridgelip.....	0	0	139	331	0	0	0	0	0	0
Sucker, largescale....	28	0	0	14	0	0	0	0	0	0
Sunfish, ocean.....	0	0	0	0	0	21	0	18	0	0
Surfperch sp.....	3710	4953	2201	3596	1676	1298	2471	3428	2148	3319
Swordfish.....	0	0	0	0	0	0	5530	35417	12729	77824
Tuna, albacore.....	1079657	2079312	1258818	3895618	4754450	4698223	5033810	8948355	9167738	10600614
Tuna, other.....	0	0	0	0	0	0	1370	981	2254	5920

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1989-1998. (CONT.)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Wahoo.....	0	0	0	0	0	0	0	0	216	0
Walleye.....	7065	1268	1806	2984	2812	2215	5214	2164	0	16
Whiting, Pac. (hake)..	195914	5058341	29108721	107939472	78969791	143563263	147354856	155587811	162781511	157894788
Wolf-eel.....	4917	2994	1963	1507	595	3023	3598	3791	3602	4803
Wrymouth, giant.....	121	142	355	389	268	503	806	1399	1303	1430
CRUSTACEANS:										
Barnacle, gooseneck...	561	12	25	0	0	0	0	0	0	0
Crab, box.....	412	8586	10460	620	832	3449	814	3646	67224	333
Crab, Dungeness, bay..	63480	62065	85554	97183	55341	98940	38001	8545	1625	24439
Crab, Dungeness, ocean	11612421	9447752	4838017	11810919	10400813	10539413	11915767	19293218	7775376	7385771
Crab, hermit.....	0	21	17	0	30	2	37	0	0	0
Crab, kelp.....	0	0	0	8	461	24	15	2	0	0
Crab, mole.....	8	0	0	0	0	0	0	0	0	0
Crab, rock.....	4037	4571	5302	287	285	3683	3113	4930	1662	2083
Crab, Scarlet King....	0	0	0	0	0	0	0	0	0	95
Crab, Tanner.....	16	0	9	9	2	6640	139169	35	1156	0
Crayfish.....	237990	169909	124034	93058	57426	61631	68864	46951	52964	58573
Shrimp, brine.....	29800	39300	28500	43700	43200	41000	42250	0	5000	10200
Shrimp, coonstripe....	0	0	44	0	0	0	1223	1513	619	979
Shrimp, ghost.....	68040	72778	99327	100399	72262	65119	66774	50136	38309	36713
Shrimp, mud.....	40995	51911	56022	51141	48300	25447	28188	18837	21669	23205
Shrimp, pink.....	49128914	31882770	21711413	48033256	26923125	16386022	12105862	15726666	19559785	6095740
Shrimp, sidestripe....	0	0	0	0	0	0	0	23	0	2
Shrimp, spot.....	74	0	0	0	40212	65019	16699	7931	86510	137679
Water flea (Daphnia)..	3000	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	3806	4604	3546	983	6382	1961	7852	1389	13060	30434
Clams, cockle.....	44344	45607	56129	37484	71907	163295	96622	57600	48210	17047
Clams, gaper.....	5164	10391	8660	9351	5464	2146	12677	3459	4283	2568
Clams, littleneck.....	6032	7521	9446	10280	36632	6084	9135	4497	9389	5899

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1989-1998. (CONT.)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Clams, softshell.....	1136	4633	8592	6237	7312	7448	106	191	739	798
Clams, razor.....	32177	13474	28580	0	62	19116	58830	2901	2066	2526
Mussels, ocean.....	65048	44445	31931	22472	22934	20009	25702	2756	1919	1702
Mussels, freshwater...	3773	9946	4991	22715	2333	13999	0	0	0	0
Octopus.....	15318	17022	14844	20169	30349	9507	5469	16049	42236	10081
Scallops, rock.....	220	24	0	29	0	126	20	0	0	23
Scallops, weathervane	0	1781	1021	1944	286194	153855	976	0	9773	49124
Snails & chitons.....	0	0	14	0	14	92	23	27	679	33
Squid.....	96025	0	95	13344	130646	233003	246406	229323	271246	19431
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	3	0	0	82	0	0	0	0
Sea anemone.....	0	0	32	0	0	0	131	0	0	263
Sea cucumber.....	0	0	1	0	5148	10534	0	0	7268	0
Sea stars.....	0	0	55	0	1290	3096	1770	1467	1545	880
Sea urchin, purple....	0	0	0	96883	34235	197109	42359	675	310	1011
Sea urchin, red.....	7842658	9320868	4736872	2857392	2183266	1789598	1495313	819483	490087	344714
Sea urchins, other sp	0	0	10	0	100	0	0	0	0	0
Bloodworms.....	28	0	0	0	0	0	0	0	0	0
Worms, tube.....	1938	0	0	0	0	0	0	0	0	0
	165623652	139071640	150033089	256989410	210414937	245733162	238693052	262500068	260954261	230461784

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, 1989-1998.

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
FISH:										
Anchovy, northern.....	15	0	0	0	0	200	485	0	0	0
Cabazon.....	4354	4735	9435	7655	2055	5336	5196	5574	37359	66050
Carp.....	0	0	0	20	0	0	750	0	0	0
Cod, Pacific.....	448314	130825	341619	306304	354692	128679	69006	73775	45335	82969
Dace, speckled.....	0	0	148	68	0	0	0	0	0	0
Dolphinfish.....	0	0	0	0	0	0	21	0	218	0
Flounder, arrowtooth..	242358	413558	527421	480458	357553	367575	347131	249498	251493	356983
Flounder, starry.....	133213	69209	210693	49744	48873	44459	26105	18989	36460	44232
Greenling sp.....	99	4	166	31	426	942	99	468	43309	51731
Grenadier.....	17920	21535	20790	23232	91544	111946	150124	103174	65183	84079
Hagfish sp.....	103256	49434	69952	167523	80786	1343	193	10253	9669	4388
Halibut, California...	0	0	0	44	0	74	175	641	723	197
Halibut, Pacific.....	1302466	915808	1021787	827775	862125	1014736	941051	703703	695496	323489
Herring, Pacific - roe	0	0	0	0	0	0	0	0	6168	0
Herring, Pacific.....	267457	261308	172610	142710	42925	3112	90205	127965	72866	6538
Lamprey, Pacific.....	2950	3562	9017	2381	4028	4561	21760	28405	29140	28610
Lingcod.....	871307	652219	1083430	579369	671000	757249	612345	689153	788189	251433
Lord, brown Irish.....	1	1	4	0	24	20	0	32	0	0
Lord, red Irish.....	1	14	3	15	149	314	225	9	125	255
Louvar.....	0	0	0	0	0	0	0	93	492	959
Mackerel, Pacific.....	1174	3694	2598	956	3518	17356	10757	11492	3037	23711
Marlin, striped.....	0	0	310	0	0	0	0	0	0	0
Minnow, fathead.....	0	0	1	11	286	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	22	240	884
Pollock, walleye.....	5	3	47	24	148	4	19	0	0	1
Prickleback spp.....	0	0	0	0	0	0	16	0	0	0
Prowfish.....	0	0	0	0	0	0	0	0	0	3
Ragfish.....	0	0	0	0	0	0	0	0	19	0
Ratfish.....	11	7	83	22	5	55	0	0	0	0

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1989-1998. (CONT).

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Pacific Ocean perch...	432166	293148	497651	361251	480084	406412	363648	356427	285267	345029
Nominal POP.....	737407	763234	997904	526718	1139451	829951	468376	406960	443868	424937
Rockfish, black.....	1/	1/	1/	1/	1/	88888	118025	153671	206172	203956
Rockfish, canary.....	1/	1/	1/	1/	1/	2/	533736	734077	768266	966833
Rockfish, widow.....	3923316	3162354	2619408	2873690	3952699	3031563	2797607	2549938	3290780	2259979
Rockfish, yellowtail..	1099739	1103934	1164470	2608814	1953664	2330511	2470770	2690158	1011504	1424226
Rockfish, other sp....	3134719 1/	2177787 1/	3290452 1/	2892963 1/	3083577 1/	1879158 2/	1137441	1032307	969342	1058898
Thornyhead sp.....	2050440 3/	3867991 3/	3518127 3/	4094329 3/	4380911 3/	6328414 3/	0	0	0	0
Thornyhead, longspine	3/	3/	3/	3/	3/	3/	5533646	3933963	2896321	1279569
Thornyhead, shortspine	3/	3/	3/	3/	3/	3/	1736977	1357043	934793	796807
Sablefish.....	3834542	3587209	5228787	5712658	4753287	7757008	9270421	9867602	10404773	4647964
Salmon, chinook.....	10652211	8067575	2930856	3120564	2177299	1019364	3432380	3152334	2659115	2466533
Salmon, chum.....	2144	2745	560	684	135	48	44	8	69	21
Salmon, coho.....	3454954	1381662	2824793	410281	171954	403594	120333	132961	110365	121913
Salmon, pink.....	13111	0	4062	14	18	0	206	0	69	3
Salmon, sockeye.....	30	0	0	7	0	0	0	0	0	0
Sanddab, Pacific.....	41369	121140	217731	182641	183998	330543	410065	66195	138865	52777
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	775
Sculpin, buffalo.....	1	1	5	5	3	4	0	9	6	12
Sculpin, other sp.....	1	0	1	0	75	206	405	32	0	32
Shad, American.....	73650	87987	30758	76704	66728	48403	86839	54274	12960	18939
Shark, blue.....	0	56	97	86	117	86	179	417	207	5523
Shark, Pacific sleeper	0	0	0	0	0	0	0	32	0	0
Shark, shortfin mako..	0	0	0	0	0	0	0	349	1564	2674
Shark, sixgill.....	74	89	150	7	52	75	0	69	11	176
Shark, soupfin.....	3114	2716	3129	3657	2252	1728	1436	4627	2514	2058
Shark, spiny dogfish..	333	2032	18562	4712	7229	11996	11448	2288	1364	30878
Shark, thresher.....	49	541	0	1068	445	0	1572	223	193	112
Shark, other sp.....	95	187	31	0	724	20	532	128	135	309
Shiner, redbside.....	0	0	579	256	0	0	2611	0	0	0

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1989-1998. (CONT).

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Skates and rays.....	2654	638	2026	549	820	4354	59261	226114	332602	91132
Skilfish.....	0	0	0	147	0	0	0	0	0	88
Smelt (eulachon).....	4194	854	1054	2270	6565	223	5583	8439	63668	18489
Smelt, Surf.....	0	0	56	0	0	0	0	0	0	0
Smelt, whitebait.....	1451	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	1924	20	80	406	128	215	196	74	27	125
Snailfish, blacktail..	0	0	0	0	0	0	18	0	0	0
Sole, butter.....	617	0	273	3	12	628	17	0	2247	2833
Sole, curlfin (turbot)	1907	172	775	266	925	1717	847	1528	1959	1736
Sole, Dover.....	5472600	4531282	5974060	3739372	3879857	2535198	2599106	3273458	2642958	2877296
Sole, English.....	562838	350404	619454	429459	472655	250434	243830	292116	379663	353011
Sole, flathead.....	2755	5134	1923	4921	3540	2518	1982	3184	1909	2381
Sole, petrale.....	1589975	1358331	1688778	1358558	1307286	1108181	1701036	1538980	1645868	1421437
Sole, rex.....	227305	159212	303914	219884	176327	145360	161487	214544	205221	212176
Sole, rock.....	2112	1510	1205	254	1501	2658	714	3706	11924	4434
Sole, sand.....	363872	347112	473235	278892	328726	303179	132801	119361	140399	78262
Squawfish, northern...	2	0	72	52	0	0	0	0	0	0
Steelhead.....	136572	132840	71958	155989	76756	36854	21685	3917	3217	2236
Sturgeon, green.....	5444	6831	17542	10989	13432	4944	3435	9587	20472	7097
Sturgeon, white.....	385225	376839	219431	270484	258634	188399	235401	243237	336373	329119
Sturgeon, white - roe	0	0	0	800	1052	745	0	565	132	0
Sucker, bridgelip.....	0	0	139	228	0	0	0	0	0	0
Sucker, largescale....	1	0	0	7	0	0	0	0	0	0
Sunfish, ocean.....	0	0	0	0	0	0	0	54	0	0
Surfperch sp.....	2810	3540	1748	3529	2458	1819	2226	4788	2260	4773
Swordfish.....	0	0	0	0	0	0	23503	119451	50242	258761
Tuna, albacore.....	887241	1669613	975651	3968744	3881329	3749692	3749889	7429611	6541647	6236990
Tuna, other.....	0	0	0	0	0	0	746	1156	4164	15480
Wahoo.....	0	0	0	0	0	0	0	0	216	0
Walleye.....	4649	1223	1362	2269	2164	1857	4396	1636	0	16

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1989-1998. (CONT).

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Whiting, Pac. (hake)..	14625	219501	1396758	5067451	2278648	4288503	7000346	4146641	6822679	3756485
Wolf-eel.....	1471	946	535	689	339	930	1891	1050	1062	2222
Wrymouth, giant.....	18	19	114	83	20	141	257	185	177	236
CRUSTACEANS:										
Barnacle, gooseneck...	1938	7	19	0	0	0	0	0	0	0
Crab, box.....	108	5120	6235	603	604	2723	264	586	50842	140
Crab, Dungeness, bay..	101571	113577	138176	136975	89416	174735	65485	17409	3789	55420
Crab, Dungeness, ocean	13462688	14441256	7324158	13250824	11708787	14288194	19979244	26162777	14633023	12464405
Crab, hermit.....	0	11	9	0	76	4	53	0	0	0
Crab, kelp.....	0	0	0	16	417	19	15	6	0	0
Crab, mole.....	8	0	0	0	0	0	0	0	0	0
Crab, rock.....	4037	4643	4907	204	204	2723	3009	4822	1615	1556
Crab, Scarlet King....	0	0	0	0	0	0	0	0	0	95
Crab, Tanner.....	16	0	9	9	4	6824	184900	0	655	0
Crayfish.....	318466	211411	149464	107171	66761	71627	77947	59231	80349	87849
Shrimp, brine.....	46260	62520	51300	37145	36720	34851	35913	0	5000	10200
Shrimp, coonstripe....	0	0	111	0	0	0	3579	3232	2168	2871
Shrimp, ghost.....	97903	98412	150903	132328	89293	76809	84185	72856	58183	57999
Shrimp, mud.....	67123	86745	91671	65308	61321	32073	35470	24561	29389	31180
Shrimp, pink.....	17906265	15628757	12069476	17186998	8911606	9626445	8599422	9361576	7910567	3189239
Shrimp, sidestripe....	0	0	0	0	0	0	0	69	0	3
Shrimp, spot.....	259	0	0	0	92642	166653	47394	22600	277894	551972
Water flea (Daphnia)..	3000	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	1547	1313	1722	1116	3003	627	2730	422	4434	9249
Clams, cockle.....	20643	24504	27644	17232	34671	64837	34922	19452	17291	6373
Clams, gaper.....	1750	4083	2993	5339	2682	1197	6031	1550	1283	798
Clams, littleneck.....	8951	11775	16285	16409	55556	10997	15609	7483	15679	10760
Clams, softshell.....	450	3377	8564	4491	4788	4563	636	990	370	355
Clams, razor.....	87962	39487	73112	0	142	28307	114890	6585	7138	7249

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1989-1998. (CONT).

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Mussels, ocean.....	21871	14388	6925	5848	7583	5364	8989	1287	1101	933
Mussels, freshwater...	1094	2885	1447	15647	817	4900	0	0	0	0
Octopus.....	8625	11532	10398	21478	24140	6633	11224	14181	25480	6427
Scallops, rock.....	10	1	0	203	0	88	10	0	0	6
Scallops, weathervane	0	767	413	1415	131468	67953	320	0	5123	17364
Snails & chitons.....	0	0	2	0	28	0	38	0	534	8
Squid.....	7683	0	29	1607	31242	35676	41483	36898	49466	3635
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	1	0	0	41	0	0	0	0
Sea anemone.....	0	0	1	0	0	0	309	0	0	334
Sea cucumber.....	0	0	1	0	6645	21068	0	0	6998	0
Sea stars.....	0	0	2	0	2509	3552	2933	1329	1545	880
Sea urchin, purple....	0	0	0	65849	20808	105248	21186	68	106	412
Sea urchin, red.....	2728272	4413286	3455874	2212906	1909015	1373040	1205180	431405	263648	152175
Sea urchins, other sp	0	0	1	0	100	0	0	0	0	0
Bloodworms.....	11	0	0	0	0	0	0	0	0	0
Worms, tube.....	773	0	0	0	0	0	0	0	0	0
TOTAL	77419912	71494182	62162222	74262867	60861061	65772253	77308383	82414095	68888800	49784147

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, 1998.

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:															
Anchovy, northern.....	0	25	0	0	0	0	0	0	0	0	0	0	0	0	25
Cabezon.....	0	288	69	825	1678	233	0	0	461	0	49797	1970	3979	0	59300
Cod, Pacific.....	0	163426	985	0	0	8149	0	0	511	0	0	0	5	0	173076
Flounder, arrowtooth..	0	2855215	2870	0	0	291063	68	0	334970	0	58	0	22345	0	3506589
Flounder, starry.....	0	92287	0	0	0	4155	1795	0	17069	0	4	0	0	0	115310
Greenling sp.....	0	6	4	44	0	18	0	0	11	0	19532	1643	423	0	21681
Grenadier.....	0	53448	0	0	0	27301	0	0	479753	0	40	0	53483	0	614025
Hagfish sp.....	0	489	0	0	0	0	0	1648	17474	0	0	0	0	0	19611
Halibut, California...	0	0	0	0	0	0	0	0	157	0	0	0	13	0	170
Halibut, Pacific.....	0	84870	23148	47	3455	83838	11769	11505	13457	273	3637	446	121	0	236566
Herring, Pacific.....	0	303448	0	0	0	19331	0	4100	0	0	0	0	0	0	326879
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28218	28218
Lingcod.....	0	96849	2356	4154	1194	74838	1860	949	82017	168	47544	3781	38604	0	354314
Lord, red Irish.....	0	0	0	2	0	0	0	0	0	0	103	18	0	0	123
Louvar.....	0	107	0	0	0	167	0	0	74	0	0	0	107	0	455
Mackerel, jack.....	0	408070	0	0	0	1094175	0	0	10073	0	0	0	0	0	1512318
Mackerel, Pacific.....	0	352057	0	0	0	806656	0	0	23662	0	0	0	0	0	1182375
Opah.....	0	302	0	0	0	669	0	0	0	0	0	0	160	0	1131
Pollock, walleye.....	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Pomfret, Pacific.....	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Prowfish.....	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11
Ragfish.....	0	42	0	0	0	363	0	0	0	0	0	0	0	0	405
Ratfish.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Pacific Ocean perch...	0	664417	3154	0	0	193796	0	0	26062	0	0	0	0	0	887429
Nominal POP.....	0	199953	6680	0	0	530486	19	0	595459	0	10676	0	127582	0	1470855
Rockfish, black.....	0	141665	14615	70590	876	472	42	0	486	0	174036	4746	27958	0	435486
Rockfish, canary.....	0	671502	18456	274	232	490277	4465	56	265026	0	147449	631	188109	0	1786477

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1998. (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, widow.....	0	3164871	3031	51	0	1737523	104	81	1076938	0	4876	246	486520	0	6474241
Rockfish, yellowtail..	0	2299096	40423	961	46	711938	10897	716	403565	0	93266	881	230999	0	3792788
Rockfish, other sp....	0	1066395	8153	2117	5349	333525	1374	1404	493463	1607	128609	5966	84910	0	2132872
Thornyhead, longspine	0	785424	1159	0	0	216159	0	0	907551	0	0	0	219863	0	2130156
Thornyhead, shortspine	0	344937	417	0	0	268820	0	0	365144	0	0	0	105646	0	1084964
Sablefish.....	0	1227306	3602	0	58	1176909	12622	38123	947799	18	235836	517	245898	0	3888688
Salmon, chinook.....	161723	440	75937	490	1479	1102335	84098	41058	229631	20291	42301	2119	15356	0	1777258
Salmon, chum.....	111	0	0	0	0	0	0	0	0	0	0	0	0	0	111
Salmon, coho.....	193806	0	0	0	0	0	0	0	0	0	0	0	0	0	193806
Salmon, pink.....	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Sanddab, Pacific.....	0	5740	26	0	0	7712	3960	0	267315	0	0	0	7225	0	291978
Sardine, Pacific.....	0	15	0	0	0	5	0	2200	0	0	0	0	0	0	2220
Sculpin, buffalo.....	0	0	0	0	0	3	0	0	0	0	1	0	3	0	7
Sculpin, other sp.....	0	0	0	0	5	3	0	0	0	0	0	0	0	0	8
Shad, American.....	73781	115965	0	0	0	1279	0	5686	504	0	0	0	0	0	197215
Shark, blue.....	0	130	0	0	0	1787	200	198	966	55	1356	0	0	0	4692
Shark, shortfin mako..	0	536	0	0	0	1231	0	0	201	0	0	0	0	0	1968
Shark, sixgill.....	0	72	0	0	0	0	0	0	128	0	119	0	0	0	319
Shark, soupfin.....	0	1334	0	0	0	460	36	0	580	0	501	0	260	0	3171
Shark, spiny dogfish..	0	298101	74	0	0	45286	0	0	1537	0	0	0	0	0	344998
Shark, thresher.....	0	0	0	0	0	0	0	0	346	0	0	0	0	0	346
Shark, other sp.....	0	122	0	0	0	157	0	0	218	0	0	0	0	0	497
Skates and rays.....	0	63819	3468	0	0	14922	251	0	277852	0	365	0	162602	0	523279
Skilfish.....	0	0	0	0	0	0	0	0	32	0	0	0	0	0	32
Smelt (eulachon).....	7081	0	0	0	0	0	0	0	0	0	0	0	0	0	7081
Smelt, other sp.....	0	0	0	0	0	0	0	500	0	0	0	0	0	0	500
Sole, butter.....	0	120	0	0	0	0	0	0	7759	0	0	0	0	0	7879
Sole, curlfin (turbot)	0	303	0	0	0	2279	0	0	2844	0	0	0	104	0	5530
Sole, Dover.....	0	3139381	20848	0	0	1293294	250	0	3105314	0	108	0	817620	0	8376815

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1998. (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, English.....	0	362358	1707	0	0	151426	1929	0	390295	0	0	0	139485	0	1047200
Sole, flathead.....	0	6524	0	0	0	0	0	0	0	0	0	0	0	0	6524
Sole, petrale.....	0	499658	6655	0	0	322780	1547	0	601517	0	10	0	71185	0	1503352
Sole, rex.....	0	221908	215	0	0	75270	184	0	296098	0	0	0	47403	0	641078
Sole, rock.....	0	328	1	0	0	4007	1310	0	6867	0	0	0	14	0	12527
Sole, sand.....	0	21892	0	0	0	23517	6188	0	54575	0	20	0	47	0	106239
Steelhead.....	7065	0	0	0	0	0	0	0	0	0	0	0	0	0	7065
Sturgeon, green.....	21101	1189	0	0	0	78	80	0	867	0	0	0	0	0	23315
Sturgeon, white.....	285897	1032	0	0	0	0	0	0	231	0	0	0	0	0	287160
Surfperch sp.....	0	0	0	0	0	1071	0	0	0	0	305	475	1468	0	3319
Swordfish.....	0	29583	0	0	0	33969	0	0	7958	0	0	0	6314	0	77824
Tuna, bluefin.....	0	1783	0	0	0	2053	0	0	0	0	0	0	2084	0	5920
Tuna, albacore.....	0	6793193	191887	3189	7853	2163146	71452	104708	1108127	10777	23740	4325	118217	0	10600614
Walleye.....	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Whiting, Pac. (hake)..	0	57843003	0	0	0	99921963	0	0	129822	0	0	0	0	0	157894788
Wolf-eel.....	0	135	0	0	0	208	0	435	2094	0	1822	10	99	0	4803
Wrymouth, giant.....	0	1010	0	0	0	136	0	0	269	0	0	0	15	0	1430
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	0	0	0	333	0	0	0	0	0	333
Crab, Dungeness, bay..	0	0	0	0	10	38	0	2598	11558	647	0	0	0	9588	24439
Crab, Dungeness, ocean	0	1887450	146476	7306	31454	2082594	347415	207277	778945	509	463654	603	1431475	613	7385771
Crab, rock.....	0	0	0	0	0	1445	0	504	134	0	0	0	0	0	2083
Crab, Scarlet King....	0	0	0	0	0	0	0	0	95	0	0	0	0	0	95
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	58573	58573
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	10200	10200
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	100	0	0	107	772	0	979
Shrimp, ghost.....	0	0	0	2224	0	1944	770	124	2055	0	0	0	0	29596	36713
Shrimp, mud.....	0	0	0	0	0	1016	0	0	0	0	0	0	0	22189	23205
Shrimp, pink.....	0	1378014	568232	0	0	2283275	270	0	1172577	0	0	0	693372	0	6095740

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1998. (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, sidestripe....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Shrimp, spot.....	0	111765	5756	0	0	7544	0	0	10678	0	0	0	1936	0	137679
MOLLUSKS:															
Clams, butter.....	0	0	30434	0	0	0	0	0	0	0	0	0	0	0	30434
Clams, cockle.....	0	0	15937	0	0	0	0	0	630	0	0	0	0	480	17047
Clams, gaper.....	0	0	2494	0	0	0	0	0	24	0	0	0	0	50	2568
Clams, littleneck....	0	0	2474	0	0	0	0	0	0	0	0	0	0	3425	5899
Clams, softshell.....	0	0	0	0	0	0	0	508	290	0	0	0	0	0	798
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2526	2526
Mussels, ocean.....	0	0	0	0	0	1102	0	250	0	250	0	0	0	100	1702
Octopus.....	0	2308	0	0	0	858	0	0	1569	0	2066	0	3280	0	10081
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0	0	0	23	0	23
Scallops, weathervane	0	49124	0	0	0	0	0	0	0	0	0	0	0	0	49124
Snails & chitons.....	0	0	0	0	0	0	0	0	33	0	0	0	0	0	33
Squid.....	0	1448	0	0	0	12935	0	0	3505	0	0	0	1543	0	19431
OTHER INVERTEBRATES:															
Sea anemone.....	0	0	0	0	0	263	0	0	0	0	0	0	0	0	263
Sea stars.....	0	0	0	0	0	880	0	0	0	0	0	0	0	0	880
Sea urchin, purple....	0	0	0	0	0	4	0	0	567	0	440	0	0	0	1011
Sea urchin, red.....	0	0	0	0	18094	4401	0	0	44524	0	108511	123617	45567	0	344714
TOTAL	750581	87816278	1201749	92274	71783	117639547	564955	424628	14582759	34595	1560782	152101	5404194	165558	230461784

1/ OREGON LANDINGS ONLY.

2/ LANDINGS AT SEASIDE/GEARHART, CANNON BEACH, NEHALEM BAY, NETARTS BAY, SILETZ BAY, WALDPORST 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, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Anchovy, northern.....	0	0	0	0	0	0	0	0	25	0	0	0	25
Cabazon.....	496	234	2759	3880	8682	5994	12900	4639	7209	10632	1620	255	59300
Cod, Pacific.....	5854	2680	5826	15909	21283	36898	34007	22916	12721	12447	1929	606	173076
Flounder, arrowtooth..	30577	78272	81407	255370	830597	634997	561472	590947	224929	132815	43147	42059	3506589
Flounder, starry.....	0	0	339	3579	19992	8823	10559	18746	7007	45027	1238	0	115310
Greenling sp.....	427	208	2191	3498	5233	2046	3936	1394	832	1548	188	180	21681
Grenadier.....	1522	7507	28719	33065	56731	61646	110206	110197	90559	87810	17079	8984	614025
Hagfish sp.....	0	0	500	1148	0	0	0	0	2799	0	2024	13140	19611
Halibut, California...	0	0	0	10	0	14	28	61	57	0	0	0	170
Halibut, Pacific.....	0	0	0	67	23055	6052	90739	63021	53503	129	0	0	236566
Herring, Pacific.....	0	17174	0	0	180	1581	47466	155463	91224	13791	0	0	326879
Lamprey, Pacific.....	0	0	0	0	0	4756	22853	609	0	0	0	0	28218
Lingcod.....	13855	9366	38952	32608	62310	46378	50210	29203	27393	28351	11176	4512	354314
Lord, red Irish.....	0	0	6	16	14	16	34	17	5	15	0	0	123
Louvar.....	0	0	0	0	0	0	0	0	32	280	143	0	455
Mackerel, jack.....	0	1408	1433	155	0	249124	123728	193512	830366	109087	3505	0	1512318
Mackerel, Pacific.....	0	0	0	0	0	185314	260880	155145	541522	39240	123	151	1182375
Opah.....	0	0	0	0	0	0	0	0	139	884	108	0	1131
Pollock, walleye.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Pomfret, Pacific.....	0	0	0	0	0	0	0	2	4	0	0	0	6
Prowfish.....	0	0	0	0	0	0	0	0	11	0	0	0	11
Ragfish.....	0	0	0	0	42	0	0	363	0	0	0	0	405
Ratfish.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Pacific Ocean perch...	32620	34563	74484	86902	102517	105265	148104	97113	65979	84768	32078	23036	887429
Nominal POP.....	48394	63032	208304	129224	145956	139372	170600	154587	108580	174903	77064	50839	1470855
Rockfish, black.....	1245	250	13462	26421	83650	76613	72565	80514	55165	24028	1316	257	435486
Rockfish, canary.....	27753	48671	219977	236627	358296	299852	260656	187609	111291	22800	8563	4382	1786477
Rockfish, widow.....	57511	128802	331513	287855	601914	583749	972678	1164616	866166	633266	512317	333854	6474241
Rockfish, yellowtail..	84177	109981	258689	288999	497884	424065	704270	588965	335498	258836	156687	84737	3792788

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1998. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, other sp....	57167	88409	219498	185291	351167	287970	236046	187796	136331	175927	100483	106787	2132872
Thornyhead, longspine	25769	72503	244842	180140	276572	231495	243429	186302	197912	271383	123572	76237	2130156
Thornyhead, shortspine	22250	44807	106399	89122	136130	130919	131902	115934	101124	97515	53495	55367	1084964
Sablefish.....	57430	120397	180118	168423	252079	222419	319191	1512046	303486	353197	193447	206455	3888688
Salmon, chinook.....	18	393	1101	215775	566531	411216	55672	292046	139267	77576	17663	0	1777258
Salmon, chum.....	0	0	0	0	0	0	0	0	0	111	0	0	111
Salmon, coho.....	0	0	0	0	0	0	0	49	110808	82928	21	0	193806
Salmon, pink.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Sanddab, Pacific.....	2776	75273	136985	6231	6779	9027	5693	5905	1271	28537	13476	25	291978
Sardine, Pacific.....	0	0	0	0	0	1700	20	0	0	500	0	0	2220
Sculpin, buffalo.....	0	0	0	3	0	1	0	0	3	0	0	0	7
Sculpin, other sp.....	0	0	0	3	0	0	5	0	0	0	0	0	8
Shad, American.....	0	0	115	170	24231	58278	75377	28614	7102	3323	0	5	197215
Shark, blue.....	0	0	0	0	20	151	1277	685	313	2246	0	0	4692
Shark, shortfin mako..	0	0	0	0	0	0	0	0	925	946	97	0	1968
Shark, sixgill.....	33	0	72	0	61	81	14	0	0	0	58	0	319
Shark, soupfin.....	112	46	133	79	311	757	400	450	84	746	53	0	3171
Shark, spiny dogfish..	6306	48160	40788	55347	71367	11654	5747	28744	47166	27619	1666	434	344998
Shark, thresher.....	0	122	156	68	0	0	0	0	0	0	0	0	346
Shark, other sp.....	0	0	0	0	8	142	247	0	0	0	100	0	497
Skates and rays.....	25214	18801	48151	55134	85083	66506	58786	29032	44817	55777	13864	22114	523279
Skilfish.....	0	0	0	0	0	0	32	0	0	0	0	0	32
Smelt (eulachon).....	6996	72	0	0	0	0	0	0	0	0	0	13	7081
Smelt, other sp.....	0	0	0	0	500	0	0	0	0	0	0	0	500
Sole, butter.....	0	0	0	908	663	1316	1896	2155	638	303	0	0	7879
Sole, curlfin (turbot)	0	0	129	48	549	1094	2534	326	211	639	0	0	5530
Sole, Dover.....	387808	844981	704362	501865	730386	706714	782411	665200	650249	1002850	593351	806638	8376815
Sole, English.....	24532	38002	131744	118524	136951	117200	190271	90450	93175	73360	14945	18046	1047200
Sole, flathead.....	0	0	430	152	571	2552	187	86	1022	1524	0	0	6524
Sole, petrale.....	208715	179461	194685	104074	119784	71601	111425	54879	61620	72278	42156	282674	1503352

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1998. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rex.....	12431	28075	69449	38827	71662	67785	74669	61496	56569	86037	30866	43212	641078
Sole, rock.....	0	0	41	892	1356	2980	4497	1423	1144	144	26	24	12527
Sole, sand.....	0	0	345	3198	5960	24491	31071	27984	8464	4545	181	0	106239
Steelhead.....	0	0	0	0	0	0	0	903	6162	0	0	0	7065
Sturgeon, green.....	0	0	0	132	812	272	451	17432	0	4216	0	0	23315
Sturgeon, white.....	32059	25217	9614	6160	7360	2241	81	53473	2606	144855	3494	0	287160
Surfperch sp.....	0	0	792	1406	208	194	557	5	18	139	0	0	3319
Swordfish.....	0	0	0	0	0	0	0	0	17828	49205	10791	0	77824
Tuna, bluefin.....	0	0	0	0	0	0	0	0	543	1829	3548	0	5920
Tuna, albacore.....	0	0	0	95151	0	859704	1205455	4102378	2791654	1117126	396074	33072	10600614
Walleye.....	0	0	16	0	0	0	0	0	0	0	0	0	16
Whiting, Pac. (hake)..	3187	6140	658	15916	13478	34322347	53222715	36325964	26084950	7897881	1552	0	157894788
Wolf-eel.....	6	0	111	363	1453	952	1031	426	226	198	37	0	4803
Wrymouth, giant.....	33	94	0	104	167	349	243	294	35	55	56	0	1430
CRUSTACEANS:													
Crab, box.....	223	110	0	0	0	0	0	0	0	0	0	0	333
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	6373	14979	2876	211	24439
Crab, Dungeness, ocean	538948	271121	303663	138561	63607	48744	220574	184502	0	0	0	5616051	7385771
Crab, rock.....	32	252	476	433	208	166	333	95	24	64	0	0	2083
Crab, Scarlet King....	0	0	0	0	0	0	95	0	0	0	0	0	95
Crayfish.....	0	0	0	786	3308	16095	11536	11006	11228	4614	0	0	58573
Shrimp, brine.....	0	0	0	0	0	2300	7900	0	0	0	0	0	10200
Shrimp, coonstripe....	0	0	0	0	100	0	0	0	0	151	462	266	979
Shrimp, ghost.....	1365	1508	2522	2725	3416	3924	3783	3343	4545	5685	2451	1446	36713
Shrimp, mud.....	3323	3406	6166	3193	1833	350	0	0	0	440	1463	3031	23205
Shrimp, pink.....	0	0	0	1427368	2428757	535150	761462	571885	268729	101500	889	0	6095740
Shrimp, sidestripe....	0	0	0	0	0	0	0	0	0	0	2	0	2
Shrimp, spot.....	1110	773	20745	23475	17342	12107	12134	20166	17712	10104	2011	0	137679

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1998. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, butter.....	500	1900	5610	2140	2075	3141	1906	780	1630	3630	3045	4077	30434
Clams, cockle.....	660	1700	1012	3155	1087	4059	332	285	510	285	695	3267	17047
Clams, gaper.....	0	0	0	0	0	0	1284	280	650	300	0	54	2568
Clams, littleneck.....	10	40	217	334	1130	730	647	1067	816	784	94	30	5899
Clams, softshell.....	50	0	0	300	448	0	0	0	0	0	0	0	798
Clams, razor.....	60	111	565	1236	248	306	0	0	0	0	0	0	2526
Mussels, ocean.....	0	175	200	100	0	550	150	100	0	200	90	137	1702
Octopus.....	604	137	1829	1435	1534	1277	645	120	216	226	46	2012	10081
Scallops, rock.....	0	0	0	0	0	0	0	23	0	0	0	0	23
Scallops, weathervane	0	0	0	0	0	26348	22776	0	0	0	0	0	49124
Snails & chitons.....	0	0	0	0	0	0	33	0	0	0	0	0	33
Squid.....	2345	342	244	1700	7151	1419	4208	1093	669	188	62	10	19431
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	0	0	0	124	117	22	0	0	0	263
Sea stars.....	50	0	145	80	222	10	86	0	57	143	45	42	880
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	571	0	440	1011
Sea urchin, red.....	1309	0	17954	17444	2827	7018	16528	36401	107281	74693	56884	6375	344714
TOTAL	1727862	2374676	3720643	4873304	8215828	41150357	61487761	48243385	34721203	13534729	2556492	7855544	230461784

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1998. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	18	393	1101	18519	13460	1985	0	15614	18155	18848	466	0	88559
Salmon, chum.....	0	0	0	0	0	0	0	0	0	111	0	0	111
Salmon, coho.....	0	0	0	0	0	0	0	24	110414	82928	21	0	193387
Shad, American.....	0	0	0	0	19572	50577	0	0	0	0	0	0	70149
Smelt (eulachon).....	6996	72	0	0	0	0	0	0	0	0	0	13	7081
Sturgeon, green.....	0	0	0	0	35	0	0	17121	0	3945	0	0	21101
Sturgeon, white.....	31259	19579	121	1880	5459	1899	0	53417	2606	144615	3494	0	264329
TOTAL	38273	20044	1222	20399	38526	54461	0	86176	131175	250447	3981	13	644717
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	13670	59494	0	0	0	73164
Salmon, coho.....	0	0	0	0	0	0	0	25	394	0	0	0	419
Shad, American.....	0	0	0	0	600	2570	462	0	0	0	0	0	3632
Steelhead.....	0	0	0	0	0	0	0	903	6162	0	0	0	7065
Sturgeon, white.....	800	5638	9493	3565	1806	266	0	0	0	0	0	0	21568
Walleye.....	0	0	16	0	0	0	0	0	0	0	0	0	16
TOTAL	800	5638	9509	3565	2406	2836	462	14598	66050	0	0	0	105864
TOTAL	39073	25682	10731	23964	40932	57297	462	100774	197225	250447	3981	13	750581

1/ OREGON LANDINGS ONLY.

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1998. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Anchovy, northern.....	0	0	0	0	0	0	0	0	25	0	0	0	25
Cabazon.....	0	0	0	0	180	95	0	0	13	0	0	0	288
Cod, Pacific.....	5671	2670	5755	15771	19848	35881	31221	20357	11572	12207	1921	552	163426
Flounder, arrowtooth..	18776	57019	46415	213449	754204	547047	455358	509465	162227	53766	23544	13945	2855215
Flounder, starry.....	0	0	323	3508	19399	4331	6149	7611	5104	44624	1238	0	92287
Greenling sp.....	0	0	0	6	0	0	0	0	0	0	0	0	6
Grenadier.....	359	348	1615	1901	6581	6121	17010	6738	4574	6205	1265	731	53448
Hagfish sp.....	0	0	0	0	0	0	0	0	489	0	0	0	489
Halibut, Pacific.....	0	0	0	0	17857	0	11411	14962	40640	0	0	0	84870
Herring, Pacific.....	0	0	0	0	180	1581	45601	151881	90714	13491	0	0	303448
Lingcod.....	3390	5404	11730	7606	12397	12858	13970	10921	8548	5952	2984	1089	96849
Louvar.....	0	0	0	0	0	0	0	0	32	75	0	0	107
Mackerel, jack.....	0	0	0	155	0	132313	40435	9834	189226	32778	3329	0	408070
Mackerel, Pacific.....	0	0	0	0	0	79730	115309	11380	125738	19900	0	0	352057
Opah.....	0	0	0	0	0	0	0	0	102	200	0	0	302
Ragfish.....	0	0	0	0	42	0	0	0	0	0	0	0	42
Pacific Ocean perch...	21045	28483	52789	63207	76782	91535	100309	73654	55159	61583	27508	12363	664417
Nominal POP.....	2073	7071	25909	17597	24067	19848	29135	30425	16627	16128	7931	3142	199953
Rockfish, black.....	0	2	3518	1179	4907	15070	17501	45040	38728	15479	241	0	141665
Rockfish, canary.....	8792	29273	86213	48778	53042	149211	118891	104019	56278	10314	4755	1936	671502
Rockfish, widow.....	20160	55529	121531	139507	160540	231105	531045	826371	529334	255924	223786	70039	3164871
Rockfish, yellowtail..	51445	81843	132308	130831	209418	231067	478694	439015	228067	162191	106056	48161	2299096
Rockfish, other sp....	26967	58765	96759	104316	217278	167894	115775	88089	60162	63642	42820	23928	1066395
Thornyhead, longspine	8137	22406	97043	82044	111890	78732	112963	76936	71162	82089	29885	12137	785424
Thornyhead, shortspine	8713	16050	34286	28277	41204	46807	48094	31468	29058	33170	14252	13558	344937
Sablefish.....	24264	45766	61322	62721	80995	81850	109053	450688	97161	99604	59012	54870	1227306
Salmon, chinook.....	0	0	0	37	169	234	0	0	0	0	0	0	440
Sanddab, Pacific.....	0	7	194	304	2007	1609	320	48	722	521	8	0	5740
Sardine, Pacific.....	0	0	0	0	0	0	15	0	0	0	0	0	15

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1998. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shad, American.....	0	0	0	168	76	3200	74673	28489	6051	3308	0	0	115965
Shark, blue.....	0	0	0	0	0	71	59	0	0	0	0	0	130
Shark, shortfin mako..	0	0	0	0	0	0	0	0	433	103	0	0	536
Shark, sixgill.....	0	0	72	0	0	0	0	0	0	0	0	0	72
Shark, soupfin.....	62	0	0	14	56	713	222	130	14	123	0	0	1334
Shark, spiny dogfish..	6102	48160	40788	55337	71293	11597	5595	28055	15928	13628	1411	207	298101
Shark, other sp.....	0	0	0	0	0	22	0	0	0	0	100	0	122
Skates and rays.....	1092	694	7543	15519	22292	11727	3542	188	270	455	316	181	63819
Sole, butter.....	0	0	0	0	0	0	116	0	4	0	0	0	120
Sole, curlfin (turbot)	0	0	0	0	57	149	28	0	69	0	0	0	303
Sole, Dover.....	206418	399696	315661	178740	236349	266872	291149	234250	206490	296437	244635	262684	3139381
Sole, English.....	11120	15807	35026	22771	62750	40805	62617	55260	36370	13213	3872	2747	362358
Sole, flathead.....	0	0	430	152	571	2552	187	86	1022	1524	0	0	6524
Sole, petrale.....	92640	77891	60548	15919	26548	23394	31609	35629	28736	30921	13313	62510	499658
Sole, rex.....	5395	7543	21206	13021	22639	31992	35982	24782	24670	24394	7946	2338	221908
Sole, rock.....	0	0	25	31	44	16	90	37	15	20	26	24	328
Sole, sand.....	0	0	113	344	3970	3718	6248	3278	2173	1873	175	0	21892
Sturgeon, green.....	0	0	0	132	752	24	0	46	0	235	0	0	1189
Sturgeon, white.....	0	0	0	633	76	51	32	0	0	240	0	0	1032
Swordfish.....	0	0	0	0	0	0	0	0	15378	14131	74	0	29583
Tuna, bluefin.....	0	0	0	0	0	0	0	0	543	1181	59	0	1783
Tuna, albacore.....	0	0	0	95151	0	859704	987601	2604488	1427534	440312	378403	0	6793193
Whiting, Pac. (hake)..	0	0	0	15515	3864	14924708	19111217	11783117	9835804	2167226	1552	0	57843003
Wolf-eel.....	0	0	16	15	39	22	34	0	0	0	9	0	135
Wrymouth, giant.....	33	0	0	75	167	336	180	211	8	0	0	0	1010
CRUSTACEANS:													
Crab, Dungeness, ocean	280389	123802	85400	30691	17198	10302	8339	7363	0	0	0	1323966	1887450
Shrimp, pink.....	0	0	0	297599	560080	271446	109897	85214	51703	1186	889	0	1378014
Shrimp, spot.....	0	0	10797	23475	9449	12107	12134	17988	16711	9104	0	0	111765

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1998. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	212	52	345	446	326	412	145	79	106	76	42	67	2308
Scallops, weathervane	0	0	0	0	0	26348	22776	0	0	0	0	0	49124
Squid.....	0	135	210	94	28	581	244	8	71	5	62	10	1448
OTHER INVERTEBRATES:													
TOTAL	803255	1084416	1355890	1687036	2851611	18437788	23162975	17817600	13491565	4009538	1203419	1911185	87816278

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

2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1998.

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	243	36	0	0	279
Crab, Dungeness, ocean	0	0	0	0	0	0	264	349	0	0	0	0	613
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	100	380	0	480
Clams, gaper.....	0	0	0	0	0	0	0	0	0	50	0	0	50
Clams, littleneck.....	0	0	30	97	640	190	427	607	586	754	94	0	3425
Mussels, ocean.....	0	0	0	0	0	100	0	0	0	0	0	0	100
TOTAL	0	0	30	97	640	290	691	956	829	940	474	0	4947

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	69	0	0	0	0	0	0	0	69
Cod, Pacific.....	0	0	5	36	939	0	5	0	0	0	0	0	985
Flounder, arrowtooth..	0	0	156	189	0	983	1542	0	0	0	0	0	2870
Greenling sp.....	0	0	0	0	0	0	0	2	2	0	0	0	4
Halibut, Pacific.....	0	0	0	0	0	49	12473	9458	1168	0	0	0	23148
Lingcod.....	0	0	0	174	963	671	548	0	0	0	0	0	2356
Pacific Ocean perch...	0	0	241	40	2873	0	0	0	0	0	0	0	3154
Nominal POP.....	0	0	621	5613	319	11	116	0	0	0	0	0	6680
Rockfish, black.....	0	0	0	294	612	784	3759	4886	4280	0	0	0	14615
Rockfish, canary.....	0	0	1900	4653	9871	915	1092	4	21	0	0	0	18456
Rockfish, widow.....	0	0	1309	1570	120	3	29	0	0	0	0	0	3031
Rockfish, yellowtail..	0	0	265	10919	17796	4239	3185	3700	319	0	0	0	40423
Rockfish, other sp....	0	0	1850	2320	300	97	1258	1429	899	0	0	0	8153
Thornyhead, longspine	0	0	261	0	756	142	0	0	0	0	0	0	1159
Thornyhead, shortspine	0	0	7	124	229	33	24	0	0	0	0	0	417
Sablefish.....	0	0	15	3	761	655	1509	659	0	0	0	0	3602
Salmon, chinook.....	0	0	0	108	5375	6546	216	23160	27609	11950	973	0	75937
Salmon, pink.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Sanddab, Pacific.....	0	0	0	0	0	26	0	0	0	0	0	0	26
Shark, spiny dogfish..	0	0	0	0	74	0	0	0	0	0	0	0	74
Skates and rays.....	0	0	0	0	1359	2109	0	0	0	0	0	0	3468
Sole, Dover.....	0	0	0	557	3202	7751	9338	0	0	0	0	0	20848
Sole, English.....	0	0	394	98	614	399	202	0	0	0	0	0	1707
Sole, petrale.....	0	0	90	140	2006	2914	1403	78	24	0	0	0	6655
Sole, rex.....	0	0	38	36	120	0	21	0	0	0	0	0	215
Sole, rock.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Tuna, albacore.....	0	0	0	0	0	0	35049	62864	71256	22718	0	0	191887

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, ocean	18026	8242	25826	14374	8316	6007	8408	4176	0	0	0	53101	146476
Shrimp, pink.....	0	0	0	182882	213990	36565	29910	81690	23195	0	0	0	568232
Shrimp, spot.....	0	0	0	0	5756	0	0	0	0	0	0	0	5756
MOLLUSKS:													
Clams, butter.....	500	1900	5610	2140	2075	3141	1906	780	1630	3630	3045	4077	30434
Clams, cockle.....	660	1700	1012	3155	1087	4059	332	285	510	185	315	2637	15937
Clams, gaper.....	0	0	0	0	0	0	1284	280	650	250	0	30	2494
Clams, littleneck.....	10	40	187	237	490	540	220	460	230	30	0	30	2474
TOTAL	19196	11882	39787	229662	280073	78639	113829	193917	131793	38763	4333	59875	1201749

TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, mud.....	3143	3311	5998	3052	1594	181	0	0	0	440	1463	3007	22189
TOTAL	3143	3311	5998	3052	1594	181	0	0	0	440	1463	3007	22189

TABLE 11. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PACIFIC CITY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	22	115	218	237	227	6	0	0	0	825
Greenling sp.....	0	0	0	10	0	17	0	17	0	0	0	0	44
Halibut, Pacific.....	0	0	0	0	0	0	0	0	29	18	0	0	47
Lingcod.....	142	0	483	601	740	1476	712	0	0	0	0	0	4154
Lord, red Irish.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Rockfish, black.....	0	0	75	2194	7856	25047	15651	18043	1724	0	0	0	70590
Rockfish, canary.....	0	0	0	19	32	62	142	19	0	0	0	0	274
Rockfish, widow.....	0	0	0	0	0	47	4	0	0	0	0	0	51
Rockfish, yellowtail..	0	0	0	4	32	174	556	97	98	0	0	0	961
Rockfish, other sp....	0	0	0	0	79	1183	690	165	0	0	0	0	2117
Salmon, chinook.....	0	0	0	0	48	0	0	144	253	45	0	0	490
Tuna, albacore.....	0	0	0	0	0	0	41	3148	0	0	0	0	3189
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	62	618	640	697	3234	2055	0	0	0	0	7306
Shrimp, ghost.....	0	0	0	20	755	702	515	207	25	0	0	0	2224
TOTAL	142	0	620	3488	10297	29623	21784	24122	2135	63	0	0	92274

TABLE 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEPOE BAY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	294	514	192	678	0	0	0	0	0	0	1678
Halibut, Pacific.....	0	0	0	0	0	0	2162	655	638	0	0	0	3455
Lingcod.....	84	0	555	187	61	170	137	0	0	0	0	0	1194
Rockfish, black.....	0	0	0	51	265	365	195	0	0	0	0	0	876
Rockfish, canary.....	0	0	0	0	92	0	140	0	0	0	0	0	232
Rockfish, yellowtail..	0	0	0	0	46	0	0	0	0	0	0	0	46
Rockfish, other sp....	32	0	751	750	736	705	1849	346	180	0	0	0	5349
Sablefish.....	0	0	0	0	0	0	0	58	0	0	0	0	58
Salmon, chinook.....	0	0	0	0	437	0	0	412	384	246	0	0	1479
Sculpin, other sp.....	0	0	0	0	0	0	5	0	0	0	0	0	5
Tuna, albacore.....	0	0	0	0	0	0	0	4600	212	3041	0	0	7853
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	10	0	0	0	10
Crab, Dungeness, ocean	3571	531	5277	3122	1722	3229	2233	2387	0	0	0	9382	31454
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	4377	0	0	0	0	0	3619	6953	3145	18094
TOTAL	3687	531	6877	9001	3551	5147	6721	8458	1424	6906	6953	12527	71783

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	6	20	6	5	72	37	0	84	3	0	0	0	233
Cod, Pacific.....	177	0	22	98	492	828	2725	2409	1137	218	0	43	8149
Flounder, arrowtooth..	5328	4026	14102	27092	39145	40069	49098	40720	32356	29921	3681	5525	291063
Flounder, starry.....	0	0	2	1	4	1738	824	877	306	403	0	0	4155
Greenling sp.....	0	0	0	9	0	4	0	0	5	0	0	0	18
Grenadier.....	86	52	708	1198	1366	2624	2042	4440	2314	9915	2044	512	27301
Halibut, Pacific.....	0	0	0	67	3979	4236	41403	28139	5951	63	0	0	83838
Herring, Pacific.....	0	17174	0	0	0	0	815	832	510	0	0	0	19331
Lingcod.....	1267	851	6333	8025	12072	9837	13309	8212	5204	5620	2692	1416	74838
Louvar.....	0	0	0	0	0	0	0	0	0	131	36	0	167
Mackerel, jack.....	0	0	0	0	0	116811	82791	182270	639159	73144	0	0	1094175
Mackerel, Pacific.....	0	0	0	0	0	105584	142987	141838	403412	12835	0	0	806656
Opah.....	0	0	0	0	0	0	0	0	37	632	0	0	669
Pomfret, Pacific.....	0	0	0	0	0	0	0	2	4	0	0	0	6
Ragfish.....	0	0	0	0	0	0	0	363	0	0	0	0	363
Ratfish.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Pacific Ocean perch...	9131	5076	17263	23074	18398	9979	43213	21740	10315	23185	3102	9320	193796
Nominal POP.....	24054	30180	81047	60672	31339	27446	45801	50801	30122	87350	40181	21493	530486
Rockfish, black.....	0	0	2	0	24	413	19	0	14	0	0	0	472
Rockfish, canary.....	6262	15105	55015	88815	97954	54064	85677	56564	23035	4041	2377	1368	490277
Rockfish, widow.....	27865	48980	103947	69462	147214	191063	302322	140684	134715	173394	191947	205930	1737523
Rockfish, yellowtail..	17118	16713	46422	55967	112576	91669	121413	91708	54514	53259	31893	18686	711938
Rockfish, other sp....	6921	6760	25549	40635	39445	46827	45796	35718	24546	26761	8428	26139	333525
Thornyhead, longspine	13112	7023	27650	19119	18731	22247	21529	13969	16843	34775	5720	15441	216159
Thornyhead, shortspine	7650	9191	30060	23943	28877	27946	33659	35579	22378	24695	9302	15540	268820
Sablefish.....	17333	23024	41587	37951	49371	48372	76750	614202	79876	97336	31814	59293	1176909
Salmon, chinook.....	0	0	0	147172	444334	290346	37951	158140	21075	3317	0	0	1102335
Sanddab, Pacific.....	0	0	14	0	208	2495	0	4967	0	28	0	0	7712
Sardine, Pacific.....	0	0	0	0	0	0	5	0	0	0	0	0	5

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Sculpin, other sp.....	0	0	0	3	0	0	0	0	0	0	0	0	3
Shad, American.....	0	0	0	0	0	33	75	124	1047	0	0	0	1279
Shark, blue.....	0	0	0	0	0	33	77	0	50	1627	0	0	1787
Shark, shortfin mako..	0	0	0	0	0	0	0	0	492	642	97	0	1231
Shark, soupfin.....	0	46	0	0	42	44	30	214	46	38	0	0	460
Shark, spiny dogfish..	0	0	0	0	0	0	152	689	31238	13207	0	0	45286
Shark, other sp.....	0	0	0	0	0	0	157	0	0	0	0	0	157
Skates and rays.....	223	0	0	0	904	6	0	32	3	0	6668	7086	14922
Sole, curlfin (turbot)	0	0	52	0	0	0	1579	0	12	636	0	0	2279
Sole, Dover.....	85241	59648	119062	109680	115087	111865	155376	143321	96173	166569	61530	69742	1293294
Sole, English.....	2319	3144	8966	24120	20159	10835	26845	9555	27373	13247	2291	2572	151426
Sole, petrale.....	15307	9725	21800	55504	53793	19678	56296	9744	20449	12321	13729	34434	322780
Sole, rex.....	1578	1919	5727	6820	10548	7225	8672	7441	5069	10903	5752	3616	75270
Sole, rock.....	0	0	0	0	38	1928	1138	104	694	105	0	0	4007
Sole, sand.....	0	0	200	232	96	7824	8981	2360	1357	2467	0	0	23517
Sturgeon, green.....	0	0	0	0	0	25	0	17	0	36	0	0	78
Surfperch sp.....	0	0	177	250	207	194	81	5	18	139	0	0	1071
Swordfish.....	0	0	0	0	0	0	0	0	2450	24561	6958	0	33969
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	648	1405	0	2053
Tuna, albacore.....	0	0	0	0	0	0	113381	639483	840596	562165	7521	0	2163146
Whiting, Pac. (hake)..	0	0	0	0	0	19293867	34107086	24542847	16249146	5729017	0	0	99921963
Wolf-eel.....	0	0	26	35	56	45	0	6	0	40	0	0	208
Wrymouth, giant.....	0	0	0	0	0	0	32	24	0	46	34	0	136
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	23	15	0	38
Crab, Dungeness, ocean	130087	74869	71735	30770	13430	9112	14380	17926	0	0	0	1720285	2082594
Crab, rock.....	32	119	206	238	168	166	333	95	24	64	0	0	1445
Shrimp, ghost.....	0	0	0	0	0	0	0	85	277	570	550	462	1944
Shrimp, mud.....	180	95	168	141	239	169	0	0	0	0	0	24	1016

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, pink.....	0	0	0	312758	1136425	159917	410935	197006	50573	15661	0	0	2283275
Shrimp, sidestripe....	0	0	0	0	0	0	0	0	0	0	2	0	2
Shrimp, spot.....	0	0	7544	0	0	0	0	0	0	0	0	0	7544
MOLLUSKS:													
Mussels, ocean.....	0	175	200	0	0	200	0	100	0	200	90	137	1102
Octopus.....	0	28	360	95	111	188	32	0	0	44	0	0	858
Squid.....	398	0	34	1606	6023	830	3809	118	8	109	0	0	12935
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	0	0	0	124	117	22	0	0	0	263
Sea stars.....	50	0	145	80	222	10	86	0	57	143	45	42	880
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	4	0	0	4
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	4401	0	0	4401
TOTAL	371725	333943	686131	1145637	2403149	20718829	36059786	27205671	18835010	7220656	439904	2219106	117639547

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, arrowtooth..	0	0	0	0	0	0	0	68	0	0	0	0	68
Flounder, starry.....	0	0	0	0	0	826	969	0	0	0	0	0	1795
Halibut, Pacific.....	0	0	0	0	319	856	7840	1488	1218	48	0	0	11769
Lingcod.....	0	0	21	506	701	180	452	0	0	0	0	0	1860
Nominal POP.....	0	0	0	14	0	0	3	2	0	0	0	0	19
Rockfish, black.....	0	0	0	0	0	0	42	0	0	0	0	0	42
Rockfish, canary.....	0	0	63	81	3535	102	257	356	69	2	0	0	4465
Rockfish, widow.....	0	0	0	0	0	0	100	4	0	0	0	0	104
Rockfish, yellowtail..	0	0	274	970	3183	1669	1583	2218	865	135	0	0	10897
Rockfish, other sp....	0	0	37	64	337	258	458	109	111	0	0	0	1374
Sablefish.....	0	0	595	0	157	83	464	11023	300	0	0	0	12622
Salmon, chinook.....	0	0	0	11839	20921	18311	3477	21076	6367	2107	0	0	84098
Sanddab, Pacific.....	0	0	1773	2010	0	78	99	0	0	0	0	0	3960
Shark, blue.....	0	0	0	0	0	33	76	91	0	0	0	0	200
Shark, soupfin.....	0	0	0	0	36	0	0	0	0	0	0	0	36
Skates and rays.....	0	0	20	44	0	102	85	0	0	0	0	0	251
Sole, Dover.....	0	0	0	0	0	65	185	0	0	0	0	0	250
Sole, English.....	0	0	710	100	0	317	802	0	0	0	0	0	1929
Sole, petrale.....	0	0	1360	136	0	4	43	4	0	0	0	0	1547
Sole, rex.....	0	0	66	88	0	30	0	0	0	0	0	0	184
Sole, rock.....	0	0	0	184	0	182	944	0	0	0	0	0	1310
Sole, sand.....	0	0	0	30	0	1921	4237	0	0	0	0	0	6188
Sturgeon, green.....	0	0	0	0	0	0	80	0	0	0	0	0	80
Tuna, albacore.....	0	0	0	0	0	0	1631	21394	36443	11984	0	0	71452
CRUSTACEANS:													
Crab, Dungeness, ocean	6709	2407	15432	6829	2839	8513	147554	106383	0	0	0	50749	347415
Shrimp, ghost.....	126	88	0	74	66	108	82	42	40	18	16	110	770
Shrimp, pink.....	0	0	0	0	0	270	0	0	0	0	0	0	270
TOTAL	6835	2495	20351	22969	32094	33908	171463	164258	45413	14294	16	50859	564955

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hagfish sp.....	0	0	500	1148	0	0	0	0	0	0	0	0	1648
Halibut, Pacific.....	0	0	0	0	113	376	2808	5257	2951	0	0	0	11505
Herring, Pacific.....	0	0	0	0	0	0	1050	2750	0	300	0	0	4100
Lingcod.....	38	0	165	0	230	267	249	0	0	0	0	0	949
Rockfish, canary.....	14	0	0	0	0	8	0	25	9	0	0	0	56
Rockfish, widow.....	0	0	0	0	0	0	73	0	8	0	0	0	81
Rockfish, yellowtail..	0	0	0	0	277	10	250	179	0	0	0	0	716
Rockfish, other sp....	28	0	14	0	229	272	327	74	354	106	0	0	1404
Sablefish.....	0	0	0	0	0	223	10	31542	6348	0	0	0	38123
Salmon, chinook.....	0	0	0	3051	13470	8655	1533	9419	3593	1337	0	0	41058
Sardine, Pacific.....	0	0	0	0	0	1700	0	0	0	500	0	0	2200
Shad, American.....	0	0	0	0	3983	1703	0	0	0	0	0	0	5686
Shark, blue.....	0	0	0	0	0	0	0	198	0	0	0	0	198
Smelt, other sp.....	0	0	0	0	500	0	0	0	0	0	0	0	500
Tuna, albacore.....	0	0	0	0	0	0	5605	43559	55114	430	0	0	104708
Wolf-eel.....	0	0	14	0	421	0	0	0	0	0	0	0	435
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	528	1648	422	0	2598
Crab, Dungeness, ocean	17034	8662	30755	9285	1758	1452	17774	29204	0	0	0	91353	207277
Crab, rock.....	0	0	269	195	40	0	0	0	0	0	0	0	504
Shrimp, ghost.....	0	0	0	0	30	20	32	42	0	0	0	0	124
MOLLUSKS:													
Clams, softshell.....	0	0	0	60	448	0	0	0	0	0	0	0	508
Mussels, ocean.....	0	0	0	0	0	250	0	0	0	0	0	0	250
TOTAL	17114	8662	31717	13739	21499	14936	29711	122249	68905	4321	422	91353	424628

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	12	13	0	28	163	33	63	99	50	0	0	0	461
Cod, Pacific.....	6	10	44	4	4	189	56	150	12	22	3	11	511
Flounder, arrowtooth..	6438	17122	19935	12742	35068	46016	50904	38659	26909	45139	13513	22525	334970
Flounder, starry.....	0	0	14	70	589	1928	2617	10254	1597	0	0	0	17069
Greenling sp.....	0	0	0	1	8	0	1	0	0	1	0	0	11
Grenadier.....	987	5903	24940	24537	46026	47823	85120	96046	74543	56500	9708	7620	479753
Hagfish sp.....	0	0	0	0	0	0	0	0	2310	0	2024	13140	17474
Halibut, California...	0	0	0	10	0	14	15	61	57	0	0	0	157
Halibut, Pacific.....	0	0	0	0	663	434	10922	1438	0	0	0	0	13457
Lingcod.....	4072	2164	8189	6793	13277	9282	9563	7129	8596	8361	2861	1730	82017
Louvar.....	0	0	0	0	0	0	0	0	0	74	0	0	74
Mackerel, jack.....	0	1408	1433	0	0	0	502	1408	1981	3165	176	0	10073
Mackerel, Pacific.....	0	0	0	0	0	0	2584	1927	12372	6505	123	151	23662
Pollock, walleye.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Prowfish.....	0	0	0	0	0	0	0	0	11	0	0	0	11
Pacific Ocean perch...	2444	1004	4191	581	4464	3751	4582	1719	505	0	1468	1353	26062
Nominal POP.....	19049	22027	80359	23297	61865	74690	81367	62698	54247	64346	27429	24085	595459
Rockfish, black.....	15	1	0	0	279	2	151	38	0	0	0	0	486
Rockfish, canary.....	4627	3324	31053	36710	55159	59492	29398	18314	20964	4155	784	1046	265026
Rockfish, widow.....	8966	24253	84801	32240	163065	104420	117081	176483	156975	119235	48695	40724	1076938
Rockfish, yellowtail..	10943	10547	40277	34346	67724	60329	59357	33432	24033	27849	16885	17843	403565
Rockfish, other sp....	19018	21836	68974	18426	35189	49068	40017	40033	35327	66970	45552	53053	493463
Thornyhead, longspine	3822	34018	92403	66631	114299	98064	91505	86711	90083	119895	67170	42950	907551
Thornyhead, shortspine	5693	16319	34674	28432	47723	41232	43211	40003	38954	27844	20090	20969	365144
Sablefish.....	15337	47396	58849	45176	80519	60897	104177	213172	69577	103524	70668	78507	947799
Salmon, chinook.....	0	0	0	34068	61468	74069	11173	43297	1622	3934	0	0	229631
Sanddab, Pacific.....	2776	75266	134913	3503	3545	3814	2363	507	409	26789	13405	25	267315
Shad, American.....	0	0	115	2	0	195	167	1	4	15	0	5	504
Shark, blue.....	0	0	0	0	0	0	69	184	150	563	0	0	966

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	201	0	0	201
Shark, sixgill.....	33	0	0	0	0	81	14	0	0	0	0	0	128
Shark, soupfin.....	50	0	61	28	28	0	123	85	24	181	0	0	580
Shark, spiny dogfish..	204	0	0	10	0	57	0	0	0	784	255	227	1537
Shark, thresher.....	0	122	156	68	0	0	0	0	0	0	0	0	346
Shark, other sp.....	0	0	0	0	8	120	90	0	0	0	0	0	218
Skates and rays.....	19729	16472	27155	21374	26236	35035	28753	22415	30215	35954	2115	12399	277852
Skilfish.....	0	0	0	0	0	0	32	0	0	0	0	0	32
Sole, butter.....	0	0	0	908	663	1316	1780	2155	634	303	0	0	7759
Sole, curlfin (turbot)	0	0	0	24	492	945	927	326	130	0	0	0	2844
Sole, Dover.....	94935	370087	224121	155502	258408	237102	249750	223306	257846	394528	202803	436926	3105314
Sole, English.....	10147	17565	74184	55516	48242	31482	34485	24557	27755	45210	8732	12420	390295
Sole, petrale.....	86322	88627	98353	27162	25252	19288	15162	8926	11795	26676	13805	180149	601517
Sole, rex.....	4701	17662	34250	14504	32866	26686	27190	26875	21707	41966	13092	34599	296098
Sole, rock.....	0	0	16	677	1268	845	2325	1282	435	19	0	0	6867
Sole, sand.....	0	0	32	2581	1860	11028	11605	22345	4926	198	0	0	54575
Sturgeon, green.....	0	0	0	0	25	223	371	248	0	0	0	0	867
Sturgeon, white.....	0	0	0	82	19	25	49	56	0	0	0	0	231
Swordfish.....	0	0	0	0	0	0	0	0	0	7958	0	0	7958
Tuna, albacore.....	0	0	0	0	0	0	56295	665727	311851	66104	8150	0	1108127
Whiting, Pac. (hake)..	3187	6140	658	401	9614	103772	4412	0	0	1638	0	0	129822
Wolf-eel.....	6	0	35	173	398	595	527	304	56	0	0	0	2094
Wrymouth, giant.....	0	94	0	14	0	13	31	59	27	9	22	0	269
CRUSTACEANS:													
Crab, box.....	223	110	0	0	0	0	0	0	0	0	0	0	333
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	450	9713	1184	211	11558
Crab, Dungeness, ocean	24373	25385	19475	15992	6057	4936	12689	8430	0	0	0	661608	778945
Crab, rock.....	0	133	1	0	0	0	0	0	0	0	0	0	134
Crab, Scarlet King....	0	0	0	0	0	0	95	0	0	0	0	0	95
Shrimp, coonstripe....	0	0	0	0	100	0	0	0	0	0	0	0	100

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, ghost.....	200	274	462	111	119	135	210	0	59	272	113	100	2055
Shrimp, pink.....	0	0	0	453352	317189	17642	145563	113980	81531	43320	0	0	1172577
Shrimp, spot.....	1110	773	2404	0	2137	0	0	2178	65	0	2011	0	10678
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0	0	630	630
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0	0	24	24
Clams, softshell.....	50	0	0	240	0	0	0	0	0	0	0	0	290
Octopus.....	82	33	375	321	223	280	37	41	53	78	4	42	1569
Snails & chitons.....	0	0	0	0	0	0	33	0	0	0	0	0	33
Squid.....	1947	207	0	0	1100	8	155	88	0	0	0	0	3505
OTHER INVERTEBRATES:													
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	567	0	0	567
Sea urchin, red.....	0	0	0	0	0	0	0	19040	24719	765	0	0	44524
TOTAL	351504	826295	1166902	1116637	1523401	1227356	1339670	2016186	1395566	1361330	592840	1665072	14582759

TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	124	101	48	0	0	0	0	0	273
Lingcod.....	0	0	37	69	38	24	0	0	0	0	0	0	168
Rockfish, other sp....	0	0	87	214	212	158	376	560	0	0	0	0	1607
Sablefish.....	0	0	0	0	6	12	0	0	0	0	0	0	18
Salmon, chinook.....	0	0	0	981	5718	7679	1322	4591	0	0	0	0	20291
Shark, blue.....	0	0	0	0	20	14	21	0	0	0	0	0	55
Tuna, albacore.....	0	0	0	0	0	0	0	8374	2403	0	0	0	10777
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	30	447	170	0	647
Crab, Dungeness, ocean	0	0	104	188	217	0	0	0	0	0	0	0	509
MOLLUSKS:													
Mussels, ocean.....	0	0	0	100	0	0	150	0	0	0	0	0	250
TOTAL	0	0	228	1552	6335	7988	1917	13525	2433	447	170	0	34595

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	478	201	2384	3285	7140	4607	11563	3360	6086	8950	1620	123	49797
Flounder, arrowtooth..	0	0	0	0	0	0	0	56	2	0	0	0	58
Flounder, starry.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Greenling sp.....	427	208	2186	3468	4492	2008	3544	1178	488	1234	188	111	19532
Grenadier.....	0	0	0	0	0	0	37	3	0	0	0	0	40
Halibut, Pacific.....	0	0	0	0	0	0	1672	1178	787	0	0	0	3637
Lingcod.....	4609	446	8526	5174	10600	4072	5324	876	2296	4251	1370	0	47544
Lord, red Irish.....	0	0	6	16	11	16	24	10	5	15	0	0	103
Nominal POP.....	390	63	2396	1256	2077	560	1065	1697	844	284	44	0	10676
Rockfish, black.....	1230	247	9717	21073	60953	29165	27356	8188	6956	7819	1075	257	174036
Rockfish, canary.....	8058	775	33706	29318	39819	12274	11431	2322	7410	1818	518	0	147449
Rockfish, widow.....	520	0	1336	37	988	1412	199	14	339	20	11	0	4876
Rockfish, yellowtail..	4671	708	17654	19388	35854	7767	4287	239	1874	702	122	0	93266
Rockfish, other sp....	3644	434	9444	10844	33968	14472	20551	12918	8891	10918	2447	78	128609
Sablefish.....	300	292	1779	5445	6295	3208	7329	173922	26280	10620	366	0	235836
Salmon, chinook.....	0	0	0	0	498	823	0	43	715	24312	15910	0	42301
Sculpin, buffalo.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Shark, blue.....	0	0	0	0	0	0	975	212	113	56	0	0	1356
Shark, sixgill.....	0	0	0	0	61	0	0	0	0	0	58	0	119
Shark, soupfin.....	0	0	40	0	20	0	14	0	0	374	53	0	501
Skates and rays.....	0	0	0	0	0	0	140	0	75	150	0	0	365
Sole, Dover.....	0	0	0	1	19	0	30	49	3	6	0	0	108
Sole, petrale.....	0	0	0	0	3	4	0	0	2	1	0	0	10
Sole, sand.....	0	0	0	0	6	0	0	1	0	7	6	0	20
Surfperch sp.....	0	0	0	0	1	0	304	0	0	0	0	0	305
Tuna, albacore.....	0	0	0	0	0	0	0	9462	14278	0	0	0	23740
Wolf-eel.....	0	0	13	140	500	290	433	95	165	158	28	0	1822

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, ocean	15167	6873	24600	15581	7578	2094	2762	4991	0	0	0	384008	463654
MOLLUSKS:													
Octopus.....	186	0	218	327	344	106	240	0	32	12	0	601	2066
OTHER INVERTEBRATES:													
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	0	0	440	440
Sea urchin, red.....	1309	0	0	2110	0	0	0	11077	28910	11944	49931	3230	108511
TOTAL	40989	10247	114005	117463	211227	82879	99280	231895	106551	83651	73747	388848	1560782

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	674	103	372	187	441	86	0	107	1970
Greenling sp.....	0	0	0	1	731	0	350	72	297	123	0	69	1643
Halibut, Pacific.....	0	0	0	0	0	0	0	446	0	0	0	0	446
Lingcod.....	0	0	11	88	1265	1426	991	0	0	0	0	0	3781
Lord, red Irish.....	0	0	0	0	3	0	8	7	0	0	0	0	18
Rockfish, black.....	0	0	28	150	1651	1074	670	175	712	286	0	0	4746
Rockfish, canary.....	0	0	0	0	572	10	49	0	0	0	0	0	631
Rockfish, widow.....	0	0	0	0	188	0	0	0	58	0	0	0	246
Rockfish, yellowtail..	0	0	0	0	372	0	214	0	0	295	0	0	881
Rockfish, other sp....	0	0	0	0	1253	1107	1310	648	1075	450	0	123	5966
Sablefish.....	0	0	0	0	0	427	90	0	0	0	0	0	517
Salmon, chinook.....	0	0	0	0	0	500	0	1561	0	58	0	0	2119
Surfperch sp.....	0	0	0	469	0	0	6	0	0	0	0	0	475
Tuna, albacore.....	0	0	0	0	0	0	0	3138	1187	0	0	0	4325
Wolf-eel.....	0	0	0	0	10	0	0	0	0	0	0	0	10
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	254	0	200	149	0	0	0	0	0	0	603
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	0	107	107
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	1413	3404	0	4600	6584	0	53652	53964	0	0	123617
TOTAL	0	0	1706	4112	6919	9396	10644	6234	57422	55262	0	406	152101

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	75	26	77	223	665	682	610	1596	0	25	3979
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	5	0	5
Flounder, arrowtooth..	35	105	799	1898	2180	882	4570	1979	3435	3989	2409	64	22345
Greenling sp.....	0	0	5	3	2	17	41	125	40	190	0	0	423
Grenadier.....	90	1204	1456	5429	2758	5078	5997	2970	9128	15190	4062	121	53483
Halibut, California...	0	0	0	0	0	0	13	0	0	0	0	0	13
Halibut, Pacific.....	0	0	0	0	0	0	0	0	121	0	0	0	121
Lingcod.....	253	501	2902	3385	9966	6115	4955	2065	2749	4167	1269	277	38604
Louvar.....	0	0	0	0	0	0	0	0	0	0	107	0	107
Opah.....	0	0	0	0	0	0	0	0	0	52	108	0	160
Nominal POP.....	2828	3691	17972	20775	26289	16817	13113	8964	6740	6795	1479	2119	127582
Rockfish, black.....	0	0	122	1480	7103	4693	7221	4144	2751	444	0	0	27958
Rockfish, canary.....	0	194	12027	28253	98220	23714	13579	5986	3505	2470	129	32	188109
Rockfish, widow.....	0	40	18589	45039	129799	55699	21825	21060	44737	84693	47878	17161	486520
Rockfish, yellowtail..	0	170	21489	36574	50606	27141	34731	18377	25728	14405	1731	47	230999
Rockfish, other sp....	557	614	16033	7722	22141	5929	7639	7707	4786	7080	1236	3466	84910
Thornyhead, longspine	698	9056	27485	12346	30896	32310	17432	8686	19824	34624	20797	5709	219863
Thornyhead, shortspine	194	3247	7372	8346	18097	14901	6914	8884	10734	11806	9851	5300	105646
Sablefish.....	196	3919	15971	17127	33975	26692	19809	16780	23944	42113	31587	13785	245898
Salmon, chinook.....	0	0	0	0	633	2068	0	919	0	11422	314	0	15356
Sanddab, Pacific.....	0	0	91	414	1019	1005	2911	383	140	1199	63	0	7225
Sculpin, buffalo.....	0	0	0	3	0	0	0	0	0	0	0	0	3
Shark, soupfin.....	0	0	32	37	129	0	11	21	0	30	0	0	260
Skates and rays.....	4170	1635	13433	18197	34292	17527	26266	6397	14254	19218	4765	2448	162602
Sole, curlfin (turbot)	0	0	77	24	0	0	0	0	0	3	0	0	104
Sole, Dover.....	1214	15550	45518	57385	117321	83059	76583	64274	89737	145310	84383	37286	817620
Sole, English.....	946	1486	12464	15919	5186	33362	65320	1078	1677	1690	50	307	139485
Sole, petrale.....	14446	3218	12534	5213	12182	6319	6912	498	614	2359	1309	5581	71185
Sole, rex.....	757	951	8162	4358	5489	1852	2804	2398	5123	8774	4076	2659	47403

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rock.....	0	0	0	0	5	9	0	0	0	0	0	0	14
Sole, sand.....	0	0	0	11	28	0	0	0	8	0	0	0	47
Surfperch sp.....	0	0	615	687	0	0	166	0	0	0	0	0	1468
Swordfish.....	0	0	0	0	0	0	0	0	0	2555	3759	0	6314
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	2084	0	2084
Tuna, albacore.....	0	0	0	0	0	0	5852	36141	30780	10372	2000	33072	118217
Wolf-eel.....	0	0	7	0	29	0	37	21	5	0	0	0	99
Wrymouth, giant.....	0	0	0	15	0	0	0	0	0	0	0	0	15
CRUSTACEANS:													
Crab, Dungeness, ocean	43592	20350	24743	11111	3652	2253	2937	1238	0	0	0	1321599	1431475
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	151	462	159	772
Shrimp, pink.....	0	0	0	180777	201073	49310	65157	93995	61727	41333	0	0	693372
Shrimp, spot.....	0	0	0	0	0	0	0	0	936	1000	0	0	1936
MOLLUSKS:													
Octopus.....	124	24	531	246	530	291	191	0	25	16	0	1302	3280
Scallops, rock.....	0	0	0	0	0	0	0	23	0	0	0	0	23
Squid.....	0	0	0	0	0	0	0	879	590	74	0	0	1543
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	16541	7553	2827	2418	9944	6284	0	0	0	0	45567
TOTAL	70100	65955	277045	490353	816504	419684	423595	322958	364448	475120	225913	1452519	5404194

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998.

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:										
Anchovy, northern.....	0	0	0	0	0	0	0	0	0	0
Cabezon.....	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0
Greenling sp.....	0	0	0	0	0	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0
Halibut, California...	0	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	16280	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.....	6753	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
Pomfret, Pacific.....	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...	4	0	0	0	0	0	0	0	0	0
Nominal POP.....	354	0	0	0	0	0	0	0	0	0
Rockfish, black.....	576	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	4870	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	705	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Rockfish, yellowtail..	37199	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	28047	0	0	0	0	0	0	0	0	0
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0
Sablefish.....	1075	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	1615535	0	0	0	88559	73164	0	0	0	0
Salmon, chum.....	0	0	0	0	111	0	0	0	0	0
Salmon, coho.....	0	0	0	0	193387	419	0	0	0	0
Salmon, pink.....	6	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	5686	0	70149	0	0	3632	0	0
Shark, blue.....	191	0	0	0	0	0	0	0	0	0
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	36	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other sp.....	157	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Skilfish.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	7081	0	0	0	0	0
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0
Sole, English.....	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (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, flathead.....	0	0	0	0	0	0	0	0	0	0
Sole, petrale.....	5	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	7065	0	0	0	0
Sturgeon, green.....	0	0	0	0	21101	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	264329	13991	7577	0	0	0
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	0	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	10600614	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	16	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, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Scarlet King....	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, sidestripe....	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (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
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	12312407	0	5686	0	644717	94655	7577	3632	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (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:										
Anchovy, northern....	0	0	0	0	0	25	0	0	0	0
Cabazon.....	267	35397	0	22381	610	0	0	0	0	0
Cod, Pacific.....	0	20	0	0	170641	1764	651	0	0	0
Flounder, arrowtooth.	302	1057	0	0	3498613	399	6218	0	0	0
Flounder, starry.....	0	4	0	2	115299	0	4	0	0	0
Greenling sp.....	5	2470	0	19197	5	0	2	0	0	0
Grenadier.....	1583	40	0	0	612402	0	0	0	0	0
Hagfish sp.....	19611	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	13	157	0	0	0	0	0
Halibut, Pacific.....	0	220193	0	0	0	0	93	0	0	0
Herring, Pacific.....	0	0	0	1063	0	304703	180	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	409	39140	0	46653	245803	135	15179	0	0	0
Lord, red Irish.....	0	23	0	100	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	455	0
Mackerel, jack.....	0	0	0	0	13557	1498761	0	0	0	0
Mackerel, Pacific....	0	0	0	0	22828	1157781	1766	0	0	0
Opah.....	0	0	0	0	0	0	0	0	1131	0
Pollock, walleye.....	0	0	0	0	2	0	0	0	0	0
Pomfret, Pacific.....	0	0	0	0	0	6	0	0	0	0
Prowfish.....	0	0	0	0	11	0	0	0	0	0
Ragfish.....	0	0	0	0	42	363	0	0	0	0
Ratfish.....	0	0	0	0	0	2	0	0	0	0
Pacific Ocean perch..	1	256	0	0	848856	36735	1577	0	0	0
Nominal POP.....	2479	13399	0	3165	1409938	25857	15663	0	0	0
Rockfish, black.....	125	72033	0	233422	129047	16	69	0	0	0
Rockfish, canary.....	194	221148	0	225740	1316302	1477	16742	0	0	0
Rockfish, widow.....	12	10476	0	40649	3679550	2735912	6936	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Rockfish, yellowtail.	26	111217	0	153270	2430744	853194	207138	0	0	0
Rockfish, other sp...	8952	314768	0	97883	1642394	22134	18619	0	0	0
Thornyhead, longspine	0	141	0	0	2128490	4	1521	0	0	0
Thornyhead, shortspin	409	3900	0	0	1077711	779	2165	0	0	0
Sablefish.....	801491	751101	0	10732	2233376	60296	30617	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	290491	827	660	0	0	0
Sardine, Pacific.....	0	0	0	0	0	20	0	0	0	0
Sculpin, buffalo.....	0	1	0	0	0	0	0	0	0	0
Sculpin, other sp....	0	0	0	3	0	0	0	0	0	0
Shad, American.....	0	0	0	0	1142	116603	3	0	0	0
Shark, blue.....	69	1738	0	76	197	231	0	0	2190	0
Shark, shortfin mako.	0	0	0	0	0	0	0	0	1968	0
Shark, sixgill.....	0	119	0	33	167	0	0	0	0	0
Shark, soupfin.....	0	703	0	20	2174	153	85	0	0	0
Shark, spiny dogfish.	0	0	0	204	236006	108788	0	0	0	0
Shark, thresher.....	0	0	0	0	346	0	0	0	0	0
Shark, other sp.....	90	0	0	0	220	0	30	0	0	0
Skates and rays.....	0	551	0	89	519061	35	3537	0	0	0
Skilfish.....	32	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	7879	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	5530	0	0	0	0	0
Sole, Dover.....	632	139	0	0	8308644	1194	63669	0	0	0
Sole, English.....	0	0	0	0	1042938	0	4084	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sole, flathead.....	0	0	0	0	6361	0	163	0	0	0
Sole, petrale.....	0	53	0	18	1490781	10	12386	0	0	0
Sole, rex.....	0	0	0	0	636396	354	3542	0	0	0
Sole, rock.....	24	0	0	0	12503	0	0	0	0	0
Sole, sand.....	0	14	0	6	106207	0	0	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	2214	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	1263	0	0	0	0	0
Surfperch sp.....	0	0	0	3319	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	77824	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	5920	0
Tuna, albacore.....	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	87339	157803315	4134	0	0	0
Wolf-eel.....	172	1380	0	202	1153	0	26	0	0	0
Wrymouth, giant.....	197	0	0	0	1007	0	220	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, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Scarlet King...	95	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	979
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	6095740	0	0	0
Shrimp, sidestripe...	0	0	0	0	0	0	0	0	0	2

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TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Shrimp, spot.....	0	0	0	0	65	0	130070	0	0	7544
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, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	199	756	0	57	4845	37	312	0	0	0
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	33	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	3684	5475	1549	8723	0	0
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple...	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	837409	1802237	0	858297	34344991	164737385	6645350	8723	89488	8525

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (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:											
Anchovy, northern.....	0	0	0	0	0	0	0	0	0	0	25
Cabezon.....	645	0	0	0	0	0	0	0	0	0	59300
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	173076
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0	3506589
Flounder, starry.....	1	0	0	0	0	0	0	0	0	0	115310
Greenling sp.....	2	0	0	0	0	0	0	0	0	0	21681
Grenadier.....	0	0	0	0	0	0	0	0	0	0	614025
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0	19611
Halibut, California...	0	0	0	0	0	0	0	0	0	0	170
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	236566
Herring, Pacific.....	0	0	0	0	0	0	0	0	20933	0	326879
Lamprey, Pacific.....	0	0	0	0	0	28218	0	0	0	0	28218
Lingcod.....	242	0	0	0	0	0	0	0	0	0	354314
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0	123
Louvar.....	0	0	0	0	0	0	0	0	0	0	455
Mackerel, jack.....	0	0	0	0	0	0	0	0	0	0	1512318
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	0	1182375
Opah.....	0	0	0	0	0	0	0	0	0	0	1131
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0	2
Pomfret, Pacific.....	0	0	0	0	0	0	0	0	0	0	6
Prowfish.....	0	0	0	0	0	0	0	0	0	0	11
Ragfish.....	0	0	0	0	0	0	0	0	0	0	405
Ratfish.....	0	0	0	0	0	0	0	0	0	0	2
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0	887429
Nominal POP.....	0	0	0	0	0	0	0	0	0	0	1470855
Rockfish, black.....	198	0	0	0	0	0	0	0	0	0	435486
Rockfish, canary.....	4	0	0	0	0	0	0	0	0	0	1786477
Rockfish, widow.....	1	0	0	0	0	0	0	0	0	0	6474241

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (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
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	3792788
Rockfish, other sp....	62	0	0	0	0	5	8	0	0	0	2132872
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	0	2130156
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	0	1084964
Sablefish.....	0	0	0	0	0	0	0	0	0	0	3888688
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0	1777258
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0	111
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0	193806
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0	6
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	291978
Sardine, Pacific.....	0	0	0	0	0	0	0	0	2200	0	2220
Sculpin, buffalo.....	3	0	0	0	0	3	0	0	0	0	7
Sculpin, other sp.....	0	0	0	0	0	0	0	0	5	0	8
Shad, American.....	0	0	0	0	0	0	0	0	0	0	197215
Shark, blue.....	0	0	0	0	0	0	0	0	0	0	4692
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	0	1968
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0	319
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	3171
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	344998
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	346
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0	497
Skates and rays.....	6	0	0	0	0	0	0	0	0	0	523279
Skilfish.....	0	0	0	0	0	0	0	0	0	0	32
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0	7081
Smelt, other sp.....	0	0	0	0	0	0	0	0	500	0	500
Sole, butter.....	0	0	0	0	0	0	0	0	0	0	7879
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0	5530
Sole, Dover.....	0	0	0	0	0	0	2537	0	0	0	8376815
Sole, English.....	0	0	0	0	0	0	178	0	0	0	1047200

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (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, flathead.....	0	0	0	0	0	0	0	0	0	0	6524
Sole, petrale.....	0	0	0	0	0	0	99	0	0	0	1503352
Sole, rex.....	0	0	0	0	0	0	786	0	0	0	641078
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	12527
Sole, sand.....	12	0	0	0	0	0	0	0	0	0	106239
Steelhead.....	0	0	0	0	0	0	0	0	0	0	7065
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	23315
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	287160
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0	3319
Swordfish.....	0	0	0	0	0	0	0	0	0	0	77824
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	5920
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	10600614
Walleye.....	0	0	0	0	0	0	0	0	0	0	16
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	157894788
Wolf-eel.....	1862	0	0	0	0	0	8	0	0	0	4803
Wrymouth, giant.....	0	0	0	0	0	0	6	0	0	0	1430
CRUSTACEANS:											
Crab, box.....	333	0	0	0	0	0	0	0	0	0	333
Crab, Dungeness, bay..	0	24439	0	0	0	0	0	0	0	0	24439
Crab, Dungeness, ocean	7385771	0	0	0	0	0	0	0	0	0	7385771
Crab, rock.....	638	1426	0	0	19	0	0	0	0	0	2083
Crab, Scarlet King....	0	0	0	0	0	0	0	0	0	0	95
Crayfish.....	0	0	0	0	0	0	0	0	0	58573	58573
Shrimp, brine.....	0	0	0	0	10200	0	0	0	0	0	10200
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	979
Shrimp, ghost.....	0	0	0	0	0	0	0	36713	0	0	36713
Shrimp, mud.....	0	0	0	0	0	0	0	23205	0	0	23205
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	6095740
Shrimp, sidestripe....	0	0	0	0	0	0	0	0	0	0	2

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR RAKE	CLAM OR JET	PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	0	137679
MOLLUSKS:												
Clams, butter.....	0	0	0	0	0	0	30434	0	0	0	0	30434
Clams, cockle.....	0	0	235	0	0	0	16812	0	0	0	0	17047
Clams, gaper.....	0	0	0	0	0	0	2568	0	0	0	0	2568
Clams, littleneck.....	0	0	28	0	0	0	5871	0	0	0	0	5899
Clams, softshell.....	0	0	798	0	0	0	0	0	0	0	0	798
Clams, razor.....	0	0	2526	0	0	0	0	0	0	0	0	2526
Mussels, ocean.....	0	0	0	0	0	0	1702	0	0	0	0	1702
Octopus.....	3875	0	0	0	0	0	0	0	0	0	0	10081
Scallops, rock.....	0	0	0	0	0	0	23	0	0	0	0	23
Scallops, weathervane	0	0	0	0	0	0	0	49124	0	0	0	49124
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0	0	33
Squid.....	0	0	0	0	0	0	0	0	0	0	0	19431
OTHER INVERTEBRATES:												
Sea anemone.....	0	0	0	0	0	0	263	0	0	0	0	263
Sea stars.....	157	0	0	0	0	0	723	0	0	0	0	880
Sea urchin, purple....	0	0	0	0	0	0	1011	0	0	0	0	1011
Sea urchin, red.....	0	0	0	0	0	0	344714	0	0	0	0	344714
TOTAL	7393812	25865	3587	0	0	0	442566	52746	59918	23638	58573	230461784

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998.

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
FISH:										
Cabezon.....	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0
Greenling sp.....	0	0	0	0	0	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0
Halibut, California...	0	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	26271	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.....	4728	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
Pacific Ocean perch...	2	0	0	0	0	0	0	0	0	0
Nominal POP.....	99	0	0	0	0	0	0	0	0	0
Rockfish, black.....	264	0	0	0	0	0	0	0	0	0
Rockfish, canary.....	2573	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	279	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	15339	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	14904	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, 1998. (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.....	1091	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	2297331	0	0	0	126545	42657	0	0	0	0
Salmon, chum.....	0	0	0	0	21	0	0	0	0	0
Salmon, coho.....	0	0	0	0	121831	82	0	0	0	0
Salmon, pink.....	3	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	1874	0	15517	0	0	1507	0	0
Shark, blue.....	189	0	0	0	0	0	0	0	0	0
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	32	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other sp.....	173	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Skilfish.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	18489	0	0	0	0	0
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0
Sole, English.....	0	0	0	0	0	0	0	0	0	0
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0
Sole, petrale.....	2	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

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (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, sand.....	0	0	0	0	0	0	0	0	0	0
Steelhead.....	0	0	0	0	0	2236	0	0	0	0
Sturgeon, green.....	0	0	0	0	5074	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	295191	21025	11290	0	0	0
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	0	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	6236990	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	16	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, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Scarlet King....	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, sidestripe....	0	0	0	0	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	8600270	0	1874	0	582668	66016	11290	1507	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
FISH:										
Cabezon.....	222	31879	0	33106	204	0	0	0	0	0
Cod, Pacific.....	0	11	0	0	82620	4	334	0	0	0
Flounder, arrowtooth.	29	122	0	0	356153	36	643	0	0	0
Flounder, starry.....	0	3	0	5	44223	0	1	0	0	0
Greenling sp.....	13	4325	0	47391	0	0	1	0	0	0
Grenadier.....	160	1	0	0	83918	0	0	0	0	0
Hagfish sp.....	4388	0	0	0	0	0	0	0	0	0
Halibut, California..	0	0	0	13	184	0	0	0	0	0
Halibut, Pacific.....	0	297142	0	0	0	0	76	0	0	0
Herring, Pacific.....	0	0	0	2136	0	6	2	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	316	40265	0	48752	148196	17	8878	0	0	0
Lord, red Irish.....	0	45	0	210	0	0	0	0	0	0
Louvar.....	0	0	0	0	0	0	0	0	959	0
Mackerel, jack.....	0	0	0	0	1728	13339	0	0	0	0
Mackerel, Pacific....	0	0	0	0	1759	6797	88	0	0	0
Opah.....	0	0	0	0	0	0	0	0	884	0
Pollock, walleye.....	0	0	0	0	1	0	0	0	0	0
Prowfish.....	0	0	0	0	3	0	0	0	0	0
Pacific Ocean perch..	0	123	0	0	334109	10128	667	0	0	0
Nominal POP.....	1716	5247	0	1252	408012	4507	4104	0	0	0
Rockfish, black.....	100	33277	0	116667	53518	7	18	0	0	0
Rockfish, canary.....	136	182863	0	184842	588704	397	7315	0	0	0
Rockfish, widow.....	4	4629	0	20181	1406059	826195	2632	0	0	0
Rockfish, yellowtail.	11	60228	0	81518	965597	221450	80083	0	0	0
Rockfish, other sp...	5785	269191	0	117930	640680	3172	7177	0	0	0
Thornyhead, longspine	0	106	0	0	1278747	0	716	0	0	0
Thornyhead, shortspin	291	3543	0	0	791593	206	1174	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sablefish.....	986383	966279	0	13984	2630525	20919	28783	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	52605	0	172	0	0	0
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	0
Sculpin, buffalo.....	0	3	0	0	0	0	0	0	0	0
Sculpin, other sp....	0	0	0	7	0	0	0	0	0	0
Shad, American.....	0	0	0	0	20	21	0	0	0	0
Shark, blue.....	17	456	0	27	24	0	0	0	4810	0
Shark, shortfin mako.	0	0	0	0	0	0	0	0	2674	0
Shark, sixgill.....	0	82	0	33	61	0	0	0	0	0
Shark, soupfin.....	0	632	0	20	1289	0	85	0	0	0
Shark, spiny dogfish.	0	0	0	20	30225	633	0	0	0	0
Shark, thresher.....	0	0	0	0	112	0	0	0	0	0
Shark, other sp.....	68	0	0	0	60	0	8	0	0	0
Skates and rays.....	0	89	0	9	90428	0	592	0	0	0
Skilfish.....	88	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	2833	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	1736	0	0	0	0	0
Sole, Dover.....	227	53	0	0	2854619	235	21241	0	0	0
Sole, English.....	0	0	0	0	351600	0	1354	0	0	0
Sole, flathead.....	0	0	0	0	2324	0	57	0	0	0
Sole, petrale.....	0	49	0	18	1410966	8	10293	0	0	0
Sole, rex.....	0	0	0	0	210559	111	1227	0	0	0
Sole, rock.....	12	0	0	0	4422	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sole, sand.....	0	10	0	6	78237	0	0	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	2023	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	1613	0	0	0	0	0
Surfperch sp.....	0	0	0	4773	0	0	0	0	0	0
Swordfish.....	0	0	0	0	0	0	0	0	258761	0
Tuna, bluefin.....	0	0	0	0	0	0	0	0	15480	0
Tuna, albacore.....	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	4263	3752065	157	0	0	0
Wolf-eel.....	84	901	0	143	323	0	7	0	0	0
Wrymouth, giant.....	0	0	0	0	173	0	61	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, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Scarlet King...	95	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	2871	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	3189239	0	0	0
Shrimp, sidestripe...	0	0	0	3	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	21891	174	0	529907	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, 1998. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Octopus.....	199	389	0	21	2492	0	149	0	0	0
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	8	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	1133	0	702	1800	0	0
OTHER INVERTEBRATES:										
Sea anemone.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple...	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	1000352	1901943	0	697829	14920847	4860253	3897943	1800	283568	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:										
Cabezon.....	639	0	0	0	0	0	0	0	0	66050
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	82969
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	356983
Flounder, starry.....	0	0	0	0	0	0	0	0	0	44232
Greenling sp.....	1	0	0	0	0	0	0	0	0	51731
Grenadier.....	0	0	0	0	0	0	0	0	0	84079
Hagfish sp.....	0	0	0	0	0	0	0	0	0	4388
Halibut, California...	0	0	0	0	0	0	0	0	0	197
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	323489
Herring, Pacific.....	0	0	0	0	0	0	0	4394	0	6538
Lamprey, Pacific.....	0	0	0	0	28610	0	0	0	0	28610
Lingcod.....	281	0	0	0	0	0	0	0	0	251433
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	255
Louvar.....	0	0	0	0	0	0	0	0	0	959
Mackerel, jack.....	0	0	0	0	0	0	0	0	0	15067
Mackerel, Pacific.....	0	0	0	0	0	0	0	0	0	8644
Opah.....	0	0	0	0	0	0	0	0	0	884
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	1
Prowfish.....	0	0	0	0	0	0	0	0	0	3
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	345029
Nominal POP.....	0	0	0	0	0	0	0	0	0	424937
Rockfish, black.....	105	0	0	0	0	0	0	0	0	203956
Rockfish, canary.....	3	0	0	0	0	0	0	0	0	966833
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	2259979
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	1424226
Rockfish, other sp....	51	0	0	0	5	3	0	0	0	1058898
Thornyhead, longspine	0	0	0	0	0	0	0	0	0	1279569
Thornyhead, shortspine	0	0	0	0	0	0	0	0	0	796807

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Sablefish.....	0	0	0	0	0	0	0	0	0	0	4647964
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0	2466533
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0	21
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0	121913
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0	3
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	52777
Sardine, Pacific.....	0	0	0	0	0	0	0	0	775	0	775
Sculpin, buffalo.....	2	0	0	0	0	7	0	0	0	0	12
Sculpin, other sp.....	0	0	0	0	0	0	0	0	25	0	32
Shad, American.....	0	0	0	0	0	0	0	0	0	0	18939
Shark, blue.....	0	0	0	0	0	0	0	0	0	0	5523
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	0	2674
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0	176
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	2058
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	30878
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	112
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0	309
Skates and rays.....	14	0	0	0	0	0	0	0	0	0	91132
Skilfish.....	0	0	0	0	0	0	0	0	0	0	88
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0	18489
Smelt, other sp.....	0	0	0	0	0	0	0	0	125	0	125
Sole, butter.....	0	0	0	0	0	0	0	0	0	0	2833
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0	1736
Sole, Dover.....	0	0	0	0	0	0	921	0	0	0	2877296
Sole, English.....	0	0	0	0	0	0	57	0	0	0	353011
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0	2381
Sole, petrale.....	0	0	0	0	0	0	101	0	0	0	1421437
Sole, rex.....	0	0	0	0	0	0	279	0	0	0	212176
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	4434

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (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, sand.....	9	0	0	0	0	0	0	0	0	0	78262
Steelhead.....	0	0	0	0	0	0	0	0	0	0	2236
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	7097
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	329119
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0	4773
Swordfish.....	0	0	0	0	0	0	0	0	0	0	258761
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	15480
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	6236990
Walleye.....	0	0	0	0	0	0	0	0	0	0	16
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	3756485
Wolf-eel.....	762	0	0	0	0	0	2	0	0	0	2222
Wrymouth, giant.....	0	0	0	0	0	0	2	0	0	0	236
CRUSTACEANS:											
Crab, box.....	140	0	0	0	0	0	0	0	0	0	140
Crab, Dungeness, bay..	0	55420	0	0	0	0	0	0	0	0	55420
Crab, Dungeness, ocean	12464405	0	0	0	0	0	0	0	0	0	12464405
Crab, rock.....	159	1378	0	0	0	19	0	0	0	0	1556
Crab, Scarlet King....	0	0	0	0	0	0	0	0	0	0	95
Crayfish.....	0	0	0	0	0	0	0	0	0	87849	87849
Shrimp, brine.....	0	0	0	0	0	10200	0	0	0	0	10200
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	2871
Shrimp, ghost.....	0	0	0	0	0	0	0	57999	0	0	57999
Shrimp, mud.....	0	0	0	0	0	0	0	31180	0	0	31180
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	3189239
Shrimp, sidestripe....	0	0	0	0	0	0	0	0	0	0	3
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	551972
MOLLUSKS:											
Clams, butter.....	0	0	0	0	0	9249	0	0	0	0	9249
Clams, cockle.....	0	0	47	0	0	6326	0	0	0	0	6373

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1998. (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
Clams, gaper.....	0	0	0	0	0	798	0	0	0	0	798
Clams, littleneck.....	0	0	56	0	0	10704	0	0	0	0	10760
Clams, softshell.....	0	0	355	0	0	0	0	0	0	0	355
Clams, razor.....	0	0	7249	0	0	0	0	0	0	0	7249
Mussels, ocean.....	0	0	0	0	0	933	0	0	0	0	933
Octopus.....	3177	0	0	0	0	0	0	0	0	0	6427
Scallops, rock.....	0	0	0	0	0	6	0	0	0	0	6
Scallops, weathervane	0	0	0	0	0	0	17364	0	0	0	17364
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0	8
Squid.....	0	0	0	0	0	0	0	0	0	0	3635
OTHER INVERTEBRATES:											
Sea anemone.....	0	0	0	0	0	334	0	0	0	0	334
Sea stars.....	157	0	0	0	0	723	0	0	0	0	880
Sea urchin, purple....	0	0	0	0	0	412	0	0	0	0	412
Sea urchin, red.....	0	0	0	0	0	152175	0	0	0	0	152175
TOTAL	12469905	56798	7707	0	0	220501	18729	89179	5319	87849	49784147

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Halibut, Pacific.....	0	0	0	67	5198	6052	1385	2614	835	129	0	0	16280
Lingcod.....	0	0	0	1140	2884	2080	607	5	0	28	9	0	6753
Pacific Ocean perch...	0	0	0	2	0	0	0	2	0	0	0	0	4
Nominal POP.....	0	0	0	81	28	183	3	51	8	0	0	0	354
Rockfish, black.....	0	0	0	8	73	33	0	41	117	255	49	0	576
Rockfish, canary.....	0	0	0	586	1445	802	105	1646	190	96	0	0	4870
Rockfish, widow.....	0	0	0	106	81	389	36	80	13	0	0	0	705
Rockfish, yellowtail..	0	0	0	3177	12849	7690	3091	8649	1608	135	0	0	37199
Rockfish, other sp....	0	0	0	3513	7513	8232	1853	5334	1211	388	3	0	28047
Sablefish.....	0	0	0	43	125	213	13	678	3	0	0	0	1075
Salmon, chinook.....	0	0	0	197256	553071	409231	55672	262762	61618	58728	17197	0	1615535
Salmon, pink.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Shark, blue.....	0	0	0	0	20	47	21	91	12	0	0	0	191
Shark, soupfin.....	0	0	0	0	36	0	0	0	0	0	0	0	36
Shark, other sp.....	0	0	0	0	0	0	157	0	0	0	0	0	157
Sole, petrale.....	0	0	0	0	0	0	0	5	0	0	0	0	5
Tuna, albacore.....	0	0	0	95151	0	859704	1205455	4102378	2791654	1117126	396074	33072	10600614
TOTAL	0	0	0	301130	583323	1294656	1268398	4384342	2857269	1176885	413332	33072	12312407
<u>COASTAL GILLNET</u>													
FISH:													
Shad, American.....	0	0	0	0	3983	1703	0	0	0	0	0	0	5686
TOTAL	0	0	0	0	3983	1703	0	0	0	0	0	0	5686
<u>COL. R. GILLNET</u>													
FISH:													
Salmon, chinook.....	18	393	1101	18519	13460	1985	0	15614	18155	18848	466	0	88559
Salmon, chum.....	0	0	0	0	0	0	0	0	0	111	0	0	111

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, coho.....	0	0	0	0	0	0	0	24	110414	82928	21	0	193387
Shad, American.....	0	0	0	0	19572	50577	0	0	0	0	0	0	70149
Smelt (eulachon).....	6996	72	0	0	0	0	0	0	0	0	0	13	7081
Sturgeon, green.....	0	0	0	0	35	0	0	17121	0	3945	0	0	21101
Sturgeon, white.....	31259	19579	121	1880	5459	1899	0	53417	2606	144615	3494	0	264329
TOTAL	38273	20044	1222	20399	38526	54461	0	86176	131175	250447	3981	13	644717
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	13670	59494	0	0	0	73164
Salmon, coho.....	0	0	0	0	0	0	0	25	394	0	0	0	419
Steelhead.....	0	0	0	0	0	0	0	903	6162	0	0	0	7065
Sturgeon, white.....	0	5638	8353	0	0	0	0	0	0	0	0	0	13991
Walleye.....	0	0	16	0	0	0	0	0	0	0	0	0	16
TOTAL	0	5638	8369	0	0	0	0	14598	66050	0	0	0	94655
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	800	0	1140	3565	1806	266	0	0	0	0	0	0	7577
TOTAL	800	0	1140	3565	1806	266	0	0	0	0	0	0	7577
<u>COL. R. DIPNET</u>													
FISH:													
Shad, American.....	0	0	0	0	600	2570	462	0	0	0	0	0	3632
TOTAL	0	0	0	0	600	2570	462	0	0	0	0	0	3632
<u>FISH POT</u>													
FISH:													
Cabazon.....	0	0	0	0	0	267	0	0	0	0	0	0	267
Flounder, arrowtooth..	0	0	0	0	0	0	0	55	247	0	0	0	302
Greenling sp.....	0	0	0	0	0	5	0	0	0	0	0	0	5

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Grenadier.....	0	0	0	0	0	0	8	0	0	1575	0	0	1583
Hagfish sp.....	0	0	500	1148	0	0	0	0	2799	0	2024	13140	19611
Lingcod.....	0	9	124	0	102	37	0	137	0	0	0	0	409
Pacific Ocean perch...	0	0	0	0	0	0	0	1	0	0	0	0	1
Nominal POP.....	0	0	0	0	0	0	1920	496	63	0	0	0	2479
Rockfish, black.....	0	0	0	0	0	0	125	0	0	0	0	0	125
Rockfish, canary.....	0	98	42	0	22	0	0	32	0	0	0	0	194
Rockfish, widow.....	0	0	12	0	0	0	0	0	0	0	0	0	12
Rockfish, yellowtail..	0	0	21	0	0	0	0	0	5	0	0	0	26
Rockfish, other sp....	0	10	131	0	33	37	3206	5238	297	0	0	0	8952
Thornyhead, shortspine	0	0	0	0	0	0	7	376	14	12	0	0	409
Sablefish.....	0	487	1109	0	2222	499	32025	710693	39178	15278	0	0	801491
Shark, blue.....	0	0	0	0	0	0	69	0	0	0	0	0	69
Shark, other sp.....	0	0	0	0	0	0	90	0	0	0	0	0	90
Skilfish.....	0	0	0	0	0	0	32	0	0	0	0	0	32
Sole, Dover.....	0	0	0	0	0	0	0	559	73	0	0	0	632
Sole, rock.....	0	0	0	0	0	0	24	0	0	0	0	0	24
Wolf-eel.....	0	0	0	0	86	86	0	0	0	0	0	0	172
Wrymouth, giant.....	0	0	0	0	0	0	0	197	0	0	0	0	197
CRUSTACEANS:													
Crab, Scarlet King....	0	0	0	0	0	0	95	0	0	0	0	0	95
MOLLUSKS:													
Octopus.....	0	0	0	0	0	199	0	0	0	0	0	0	199
Snails & chitons.....	0	0	0	0	0	0	33	0	0	0	0	0	33
TOTAL	0	604	1939	1148	2465	1130	37634	717784	42676	16865	2024	13140	837409
<u>BOTTOM LONGLINE</u>													
FISH:													
Cabazon.....	135	120	1057	798	3924	3193	8718	2203	5505	8198	1546	0	35397

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Cod, Pacific.....	0	0	7	0	0	0	0	12	0	1	0	0	20
Flounder, arrowtooth..	0	0	0	0	145	50	653	161	2	39	7	0	1057
Flounder, starry.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Greenling sp.....	12	119	137	230	476	223	365	143	242	402	121	0	2470
Grenadier.....	0	0	0	0	0	0	37	3	0	0	0	0	40
Halibut, Pacific.....	0	0	0	0	17857	0	89354	60314	52668	0	0	0	220193
Lingcod.....	3751	412	7895	2667	8621	2434	4175	1086	2490	4223	1386	0	39140
Lord, red Irish.....	0	0	0	0	0	3	2	0	3	15	0	0	23
Pacific Ocean perch...	0	0	0	0	206	34	0	16	0	0	0	0	256
Nominal POP.....	390	63	2412	1434	3030	814	1224	2589	1063	336	44	0	13399
Rockfish, black.....	45	119	2477	3571	26126	15183	11375	2415	5127	4774	821	0	72033
Rockfish, canary.....	7760	6009	39439	43914	75254	19618	14863	4499	7603	1685	504	0	221148
Rockfish, widow.....	520	2922	1378	385	1733	1732	1242	194	339	20	11	0	10476
Rockfish, yellowtail..	3960	1002	17154	24132	42301	9109	8421	2208	1686	1123	121	0	111217
Rockfish, other sp....	3186	942	8905	25257	99020	61018	41931	35510	22407	14266	2326	0	314768
Thornyhead, longspine	0	0	0	0	0	0	17	124	0	0	0	0	141
Thornyhead, shortspine	0	0	46	32	93	23	113	3182	252	132	27	0	3900
Sablefish.....	300	2177	5315	9283	16555	8964	23795	586853	74193	20812	2854	0	751101
Sculpin, buffalo.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Shark, blue.....	0	0	0	0	0	0	975	594	113	56	0	0	1738
Shark, sixgill.....	0	0	0	0	61	0	0	0	0	0	58	0	119
Shark, soupfin.....	0	0	40	0	20	0	14	182	20	374	53	0	703
Skates and rays.....	0	0	0	0	66	5	248	7	75	150	0	0	551
Sole, Dover.....	0	0	0	1	19	0	45	56	9	6	3	0	139
Sole, petrale.....	0	0	0	0	5	6	10	29	2	1	0	0	53
Sole, sand.....	0	0	0	0	1	0	0	0	0	7	6	0	14
Wolf-eel.....	0	0	29	58	343	129	416	49	170	158	28	0	1380
MOLLUSKS:													
Octopus.....	35	0	28	154	248	79	168	0	32	12	0	0	756
TOTAL	20094	13885	86319	111916	296104	122618	208161	702433	174001	56790	9916	0	1802237

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabezon.....	355	102	1684	2923	4234	2412	4092	2253	1641	2434	74	177	22381
Flounder, starry.....	0	0	1	1	0	0	0	0	0	0	0	0	2
Greenling sp.....	415	89	2054	3262	4755	1818	3571	1251	590	1145	67	180	19197
Halibut, California...	0	0	0	0	0	0	13	0	0	0	0	0	13
Herring, Pacific.....	0	756	0	0	0	0	99	208	0	0	0	0	1063
Lingcod.....	2276	344	6728	8511	12224	9030	7513	2	0	0	5	20	46653
Lord, red Irish.....	0	0	6	16	14	13	32	17	2	0	0	0	100
Nominal POP.....	1	0	589	312	868	193	176	846	180	0	0	0	3165
Rockfish, black.....	1135	129	10802	21699	53574	51318	45759	33018	11788	3747	205	248	233422
Rockfish, canary.....	5949	4682	49742	96195	51955	10198	4455	1193	1318	39	14	0	225740
Rockfish, widow.....	466	1678	19082	5844	4945	2795	3552	1397	887	3	0	0	40649
Rockfish, yellowtail..	6128	2304	22118	36487	28289	11751	25292	8211	11933	756	1	0	153270
Rockfish, other sp....	2136	532	14164	15587	20222	9600	19148	7658	5025	3247	332	232	97883
Sablefish.....	42	0	407	111	1321	1403	2594	3124	1730	0	0	0	10732
Sculpin, other sp.....	0	0	0	3	0	0	0	0	0	0	0	0	3
Shark, blue.....	0	0	0	0	0	0	76	0	0	0	0	0	76
Shark, sixgill.....	33	0	0	0	0	0	0	0	0	0	0	0	33
Shark, soupfin.....	20	0	0	0	0	0	0	0	0	0	0	0	20
Shark, spiny dogfish..	204	0	0	0	0	0	0	0	0	0	0	0	204
Skates and rays.....	89	0	0	0	0	0	0	0	0	0	0	0	89
Sole, petrale.....	0	0	0	0	8	6	0	4	0	0	0	0	18
Sole, sand.....	0	0	0	0	5	0	0	1	0	0	0	0	6
Surfperch sp.....	0	0	792	1406	208	194	557	5	18	139	0	0	3319
Wolf-eel.....	6	0	8	15	102	21	11	39	0	0	0	0	202
MOLLUSKS:													
Octopus.....	0	0	0	4	34	19	0	0	0	0	0	0	57
TOTAL	19255	10616	128177	192376	182758	100771	116940	59227	35112	11510	698	857	858297

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>GROUND FISH TRAWL</u>													
FISH:													
Cabezon.....	0	0	0	0	263	61	51	172	63	0	0	0	610
Cod, Pacific.....	5854	2680	5760	15868	21232	36836	33644	21091	12699	12442	1929	606	170641
Flounder, arrowtooth..	30577	78272	81393	254838	829500	634100	557898	590069	224195	132572	43140	42059	3498613
Flounder, starry.....	0	0	337	3578	19988	8823	10559	18742	7007	45027	1238	0	115299
Greenling sp.....	0	0	0	4	0	0	0	0	0	0	1	0	5
Grenadier.....	1522	7507	28719	33065	56731	61646	110161	110194	90559	86235	17079	8984	612402
Halibut, California...	0	0	0	10	0	14	15	61	57	0	0	0	157
Lingcod.....	7805	8563	23805	18798	32522	30546	35029	26252	24325	23890	9776	4492	245803
Mackerel, jack.....	0	1408	1433	155	0	0	502	1408	1981	3165	3505	0	13557
Mackerel, Pacific.....	0	0	0	0	0	0	2584	1926	11995	6049	123	151	22828
Pollock, walleye.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Prowfish.....	0	0	0	0	0	0	0	0	11	0	0	0	11
Ragfish.....	0	0	0	0	42	0	0	0	0	0	0	0	42
Pacific Ocean perch...	32620	34563	74396	86898	102136	89122	142503	91190	65250	75064	32078	23036	848856
Nominal POP.....	47846	62918	204659	126527	136987	135306	161512	134948	99958	171418	77020	50839	1409938
Rockfish, black.....	0	2	169	1120	3735	10065	15306	45040	38117	15252	241	0	129047
Rockfish, canary.....	14044	37882	130576	93884	223826	266679	237260	178259	100739	20783	7993	4377	1316302
Rockfish, widow.....	56525	113438	262858	196871	439979	439749	525739	408382	353731	421870	269931	190477	3679550
Rockfish, yellowtail..	74089	106675	218664	187694	335375	289909	340642	256309	196641	204429	138139	82178	2430744
Rockfish, other sp....	51845	86911	196154	137070	221303	202324	163011	124778	103978	150683	97802	106535	1642394
Thornyhead, longspine	25769	72503	244842	180140	276485	231078	242643	185982	197858	271381	123572	76237	2128490
Thornyhead, shortspine	22250	44807	106353	89034	135775	130515	130692	111822	100610	97370	53116	55367	1077711
Sablefish.....	57076	117733	173283	158220	227953	191115	229527	190764	176667	316290	188293	206455	2233376
Sanddab, Pacific.....	2776	75273	136985	6086	6527	8922	5693	5077	1211	28440	13476	25	290491
Shad, American.....	0	0	115	168	76	195	356	0	39	188	0	5	1142
Shark, blue.....	0	0	0	0	0	0	59	0	138	0	0	0	197
Shark, sixgill.....	0	0	72	0	0	81	14	0	0	0	0	0	167
Shark, soupfin.....	92	46	93	64	226	653	386	208	64	342	0	0	2174

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, spiny dogfish..	6102	48160	40788	55347	71367	10811	75	0	30	1374	1518	434	236006
Shark, thresher.....	0	122	156	68	0	0	0	0	0	0	0	0	346
Shark, other sp.....	0	0	0	0	0	120	0	0	0	0	100	0	220
Skates and rays.....	25125	18801	48151	54169	83596	66252	58538	28718	44166	55567	13864	22114	519061
Sole, butter.....	0	0	0	908	663	1316	1896	2155	638	303	0	0	7879
Sole, curlfin (turbot)	0	0	129	48	549	1094	2534	326	211	639	0	0	5530
Sole, Dover.....	387804	844981	704141	496990	715377	694198	767595	657422	640067	1001264	592167	806638	8308644
Sole, English.....	24476	37977	131580	116971	135959	116911	189797	90113	92979	73184	14945	18046	1042938
Sole, flathead.....	0	0	430	108	539	2512	180	73	995	1524	0	0	6361
Sole, petrale.....	208685	179447	194564	102615	113731	70040	110051	54006	60917	71963	42088	282674	1490781
Sole, rex.....	12407	28069	69334	38587	70984	66978	73621	60841	56045	85729	30589	43212	636396
Sole, rock.....	0	0	41	892	1356	2980	4473	1423	1144	144	26	24	12503
Sole, sand.....	0	0	333	3198	5954	24491	31071	27983	8464	4538	175	0	106207
Sturgeon, green.....	0	0	0	132	777	272	451	311	0	271	0	0	2214
Sturgeon, white.....	0	0	0	715	95	76	81	56	0	240	0	0	1263
Whiting, Pac. (hake)..	3187	6140	658	15916	9344	43859	5045	0	0	1638	1552	0	87339
Wolf-eel.....	0	0	0	24	114	379	272	259	56	40	9	0	1153
Wrymouth, giant.....	33	94	0	55	87	333	213	54	27	55	56	0	1007
CRUSTACEANS:													
Shrimp, spot.....	0	0	0	0	0	0	0	0	65	0	0	0	65
MOLLUSKS:													
Octopus.....	187	85	1093	927	924	743	357	120	159	198	46	6	4845
Squid.....	2345	342	244	94	28	153	234	96	71	5	62	10	3684
TOTAL	1101041	2015399	3082308	2477856	4282105	3871257	4192272	3426630	2713927	3381567	1775648	2024981	34344991
MIDWATER TRAWL													
FISH:													
Anchovy, northern.....	0	0	0	0	0	0	0	0	25	0	0	0	25
Cod, Pacific.....	0	0	0	0	0	0	0	1756	4	4	0	0	1764

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Flounder, arrowtooth..	0	0	0	0	0	215	114	15	49	6	0	0	399
Herring, Pacific.....	0	0	0	0	0	1581	46317	152090	91224	13491	0	0	304703
Lingcod.....	0	0	0	0	0	15	44	19	57	0	0	0	135
Mackerel, jack.....	0	0	0	0	0	249124	123226	192104	828385	105922	0	0	1498761
Mackerel, Pacific.....	0	0	0	0	0	185314	258296	153218	529150	31803	0	0	1157781
Pomfret, Pacific.....	0	0	0	0	0	0	0	2	4	0	0	0	6
Ragfish.....	0	0	0	0	0	0	0	363	0	0	0	0	363
Ratfish.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Pacific Ocean perch...	0	0	0	0	0	15800	5136	5517	578	9704	0	0	36735
Nominal POP.....	0	0	397	25	2278	2533	4406	10956	4619	643	0	0	25857
Rockfish, black.....	0	0	0	0	0	0	0	0	16	0	0	0	16
Rockfish, canary.....	0	0	0	0	0	363	216	701	152	28	12	5	1477
Rockfish, widow.....	0	10764	48160	84502	151276	138860	439975	754215	511069	211339	242375	143377	2735912
Rockfish, yellowtail..	0	0	620	2166	8258	57726	290718	301995	120480	51836	16836	2559	853194
Rockfish, other sp....	0	0	0	0	0	4867	3284	4807	2443	6693	20	20	22134
Thornyhead, longspine	0	0	0	0	0	3	1	0	0	0	0	0	4
Thornyhead, shortspine	0	0	0	0	0	21	254	129	23	0	352	0	779
Sablefish.....	0	0	0	0	0	14143	22037	13175	8371	270	2300	0	60296
Sanddab, Pacific.....	0	0	0	0	0	0	0	827	0	0	0	0	827
Sardine, Pacific.....	0	0	0	0	0	0	20	0	0	0	0	0	20
Shad, American.....	0	0	0	0	0	3233	74559	28613	7063	3135	0	0	116603
Shark, blue.....	0	0	0	0	0	104	77	0	50	0	0	0	231
Shark, soupfin.....	0	0	0	0	0	104	0	49	0	0	0	0	153
Shark, spiny dogfish..	0	0	0	0	0	843	5672	28744	47136	26245	148	0	108788
Skates and rays.....	0	0	0	0	0	0	0	32	3	0	0	0	35
Sole, Dover.....	0	0	0	0	0	0	24	0	16	3	1151	0	1194
Sole, petrale.....	0	0	0	0	0	0	0	0	2	0	8	0	10
Sole, rex.....	0	0	0	0	0	0	64	2	9	2	277	0	354
Whiting, Pac. (hake)..	0	0	0	0	0	34278488	53217670	36325964	26084950	7896243	0	0	157803315

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	0	0	0	0	0	37	0	0	0	0	0	0	37
Squid.....	0	0	0	0	0	1266	3974	118	8	109	0	0	5475
TOTAL	0	10764	49177	86693	161812	34954640	54496084	37975411	28235888	8357476	263479	145961	164737385
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	59	41	51	62	363	57	18	0	0	0	651
Flounder, arrowtooth..	0	0	14	532	952	632	2807	647	436	198	0	0	6218
Flounder, starry.....	0	0	0	0	4	0	0	0	0	0	0	0	4
Greenling sp.....	0	0	0	2	0	0	0	0	0	0	0	0	2
Halibut, Pacific.....	0	0	0	0	0	0	0	93	0	0	0	0	93
Herring, Pacific.....	0	0	0	0	180	0	0	0	0	0	0	0	180
Lingcod.....	4	18	314	1466	5910	2192	2842	1702	521	210	0	0	15179
Mackerel, Pacific.....	0	0	0	0	0	0	0	1	377	1388	0	0	1766
Pacific Ocean perch...	0	0	88	2	175	309	465	387	151	0	0	0	1577
Nominal POP.....	157	51	247	845	2765	343	1359	4701	2689	2506	0	0	15663
Rockfish, black.....	0	0	0	0	69	0	0	0	0	0	0	0	69
Rockfish, canary.....	0	0	178	2046	5794	2190	3757	1279	1289	169	40	0	16742
Rockfish, widow.....	0	0	23	146	3900	224	2134	348	127	34	0	0	6936
Rockfish, yellowtail..	0	0	112	35343	70812	47880	36106	11593	3145	557	1590	0	207138
Rockfish, other sp....	0	14	106	3860	3055	1880	3613	4471	970	650	0	0	18619
Thornyhead, longspine	0	0	0	0	87	414	768	196	54	2	0	0	1521
Thornyhead, shortspine	0	0	0	56	262	360	836	425	225	1	0	0	2165
Sablefish.....	12	0	4	766	3903	6082	9200	6759	3344	547	0	0	30617
Sanddab, Pacific.....	0	0	0	145	252	105	0	1	60	97	0	0	660
Shad, American.....	0	0	0	2	0	0	0	1	0	0	0	0	3
Shark, soupfin.....	0	0	0	15	29	0	0	11	0	30	0	0	85
Shark, other sp.....	0	0	0	0	8	22	0	0	0	0	0	0	30
Skates and rays.....	0	0	0	965	1421	243	0	275	573	60	0	0	3537

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, Dover.....	4	0	221	4874	14990	10665	14061	7163	10084	1577	30	0	63669
Sole, English.....	56	25	164	1553	992	145	440	337	196	176	0	0	4084
Sole, flathead.....	0	0	0	44	32	40	7	13	27	0	0	0	163
Sole, petrale.....	30	14	121	1459	6040	1483	1331	835	699	314	60	0	12386
Sole, rex.....	24	6	115	240	678	136	869	653	515	306	0	0	3542
Whiting, Pac. (hake)..	0	0	0	0	4134	0	0	0	0	0	0	0	4134
Wolf-eel.....	0	0	0	0	0	0	26	0	0	0	0	0	26
Wrymouth, giant.....	0	0	0	49	80	10	30	43	8	0	0	0	220
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	1427368	2428757	535150	761462	571885	268729	101500	889	0	6095740
Shrimp, spot.....	1110	773	13201	23475	17342	12107	12134	20166	17647	10104	2011	0	130070
MOLLUSKS:													
Octopus.....	26	0	31	94	120	0	0	0	25	16	0	0	312
Squid.....	0	0	0	0	6	0	0	879	590	74	0	0	1549
TOTAL	1423	901	14998	1505388	2572800	622674	854610	634921	312499	120516	4620	0	6645350
SQUID NET													
MOLLUSKS:													
Squid.....	0	0	0	1606	7117	0	0	0	0	0	0	0	8723
TOTAL	0	0	0	1606	7117	0	0	0	0	0	0	0	8723
OCEAN GILLNET													
FISH:													
Louvar.....	0	0	0	0	0	0	0	0	32	280	143	0	455
Opah.....	0	0	0	0	0	0	0	0	139	884	108	0	1131
Shark, blue.....	0	0	0	0	0	0	0	0	0	2190	0	0	2190
Shark, shortfin mako..	0	0	0	0	0	0	0	0	925	946	97	0	1968
Swordfish.....	0	0	0	0	0	0	0	0	17828	49205	10791	0	77824
Tuna, bluefin.....	0	0	0	0	0	0	0	0	543	1829	3548	0	5920

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TOTAL	0	0	0	0	0	0	0	0	19467	55334	14687	0	89488
<u>SHRIMP POT</u>													
CRUSTACEANS:													
Shrimp, coonstripe....	0	0	0	0	100	0	0	0	0	151	462	266	979
Shrimp, sidestripe....	0	0	0	0	0	0	0	0	0	0	2	0	2
Shrimp, spot.....	0	0	7544	0	0	0	0	0	0	0	0	0	7544
TOTAL	0	0	7544	0	100	0	0	0	0	151	464	266	8525
<u>CRAB POT</u>													
FISH:													
Cabezon.....	6	12	18	159	261	61	39	11	0	0	0	78	645
Flounder, starry.....	0	0	1	0	0	0	0	0	0	0	0	0	1
Greenling sp.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Lingcod.....	19	20	86	26	47	44	0	0	0	0	0	0	242
Rockfish, black.....	65	0	14	23	73	14	0	0	0	0	0	9	198
Rockfish, canary.....	0	0	0	2	0	2	0	0	0	0	0	0	4
Rockfish, widow.....	0	0	0	1	0	0	0	0	0	0	0	0	1
Rockfish, other sp....	0	0	38	4	16	4	0	0	0	0	0	0	62
Sculpin, buffalo.....	0	0	0	3	0	0	0	0	0	0	0	0	3
Skates and rays.....	0	0	0	0	0	6	0	0	0	0	0	0	6
Sole, sand.....	0	0	12	0	0	0	0	0	0	0	0	0	12
Wolf-eel.....	0	0	74	266	808	337	298	79	0	0	0	0	1862
CRUSTACEANS:													
Crab, box.....	223	110	0	0	0	0	0	0	0	0	0	0	333
Crab, Dungeness, ocean	538948	271121	303663	138561	63607	48744	220574	184502	0	0	0	5616051	7385771
Crab, rock.....	0	133	270	195	40	0	0	0	0	0	0	0	638
MOLLUSKS:													
Octopus.....	356	52	677	256	208	200	120	0	0	0	0	2006	3875

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	147	10	0	0	0	0	0	0	157
TOTAL	539617	271448	304853	139496	65209	49422	221031	184592	0	0	0	5618144	7393812
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	6373	14979	2876	211	24439
Crab, rock.....	32	119	206	238	168	166	333	95	5	64	0	0	1426
TOTAL	32	119	206	238	168	166	333	95	6378	15043	2876	211	25865
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	235	0	0	0	0	0	0	235
Clams, littleneck.....	0	0	0	28	0	0	0	0	0	0	0	0	28
Clams, softshell.....	50	0	0	300	448	0	0	0	0	0	0	0	798
Clams, razor.....	60	111	565	1236	248	306	0	0	0	0	0	0	2526
TOTAL	110	111	565	1564	696	541	0	0	0	0	0	0	3587
HAND DEVICE													
FISH:													
Lamprey, Pacific.....	0	0	0	0	0	4756	22853	609	0	0	0	0	28218
Rockfish, other sp....	0	0	0	0	5	0	0	0	0	0	0	0	5
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	3	0	0	0	3
CRUSTACEANS:													
Crab, rock.....	0	0	0	0	0	0	0	0	19	0	0	0	19
Shrimp, brine.....	0	0	0	0	0	2300	7900	0	0	0	0	0	10200
MOLLUSKS:													
Clams, butter.....	500	1900	5610	2140	2075	3141	1906	780	1630	3630	3045	4077	30434
Clams, cockle.....	660	1700	1012	3155	1087	3824	332	285	510	285	695	3267	16812
Clams, gaper.....	0	0	0	0	0	0	1284	280	650	300	0	54	2568

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, littleneck.....	10	40	217	306	1130	730	647	1067	816	784	94	30	5871
Mussels, ocean.....	0	175	200	100	0	550	150	100	0	200	90	137	1702
Scallops, rock.....	0	0	0	0	0	0	0	23	0	0	0	0	23
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	0	0	0	124	117	22	0	0	0	263
Sea stars.....	50	0	145	80	75	0	86	0	57	143	45	42	723
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	571	0	440	1011
Sea urchin, red.....	1309	0	17954	17444	2827	7018	16528	36401	107281	74693	56884	6375	344714
TOTAL	2529	3815	25138	23225	7199	22319	51810	39662	110988	80606	60853	14422	442566
<u>SCALLOP DREDGE</u>													
FISH:													
Rockfish, other sp....	0	0	0	0	0	8	0	0	0	0	0	0	8
Sole, Dover.....	0	0	0	0	0	1851	686	0	0	0	0	0	2537
Sole, English.....	0	0	0	0	0	144	34	0	0	0	0	0	178
Sole, petrale.....	0	0	0	0	0	66	33	0	0	0	0	0	99
Sole, rex.....	0	0	0	0	0	671	115	0	0	0	0	0	786
Wolf-eel.....	0	0	0	0	0	0	8	0	0	0	0	0	8
Wrymouth, giant.....	0	0	0	0	0	6	0	0	0	0	0	0	6
MOLLUSKS:													
Scallops, weathervane	0	0	0	0	0	26348	22776	0	0	0	0	0	49124
TOTAL	0	0	0	0	0	29094	23652	0	0	0	0	0	52746
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	1365	1508	2522	2725	3416	3924	3783	3343	4545	5685	2451	1446	36713
Shrimp, mud.....	3323	3406	6166	3193	1833	350	0	0	0	440	1463	3031	23205
TOTAL	4688	4914	8688	5918	5249	4274	3783	3343	4545	6125	3914	4477	59918

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1998. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BAITFISH NET</u>													
FISH:													
Herring, Pacific.....	0	16418	0	0	0	0	1050	3165	0	300	0	0	20933
Sardine, Pacific.....	0	0	0	0	0	1700	0	0	0	500	0	0	2200
Sculpin, other sp.....	0	0	0	0	0	0	5	0	0	0	0	0	5
Smelt, other sp.....	0	0	0	0	500	0	0	0	0	0	0	0	500
TOTAL	0	16418	0	0	500	1700	1055	3165	0	800	0	0	23638
<u>CRAYFISH TRAP</u>													
CRUSTACEANS:													
Crayfish.....	0	0	0	786	3308	16095	11536	11006	11228	4614	0	0	58573
TOTAL	0	0	0	786	3308	16095	11536	11006	11228	4614	0	0	58573
TOTAL	1727862	2374676	3720643	4873304	8215828	41150357	61487761	48243385	34721203	13534729	2556492	7855544	230461784

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, 1998

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD	OTHER 2/		TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
FISH:															
Cabazon.....	0	122	21	437	2795	302	0	0	181	0	51027	3317	7848	0	66050
Cod, Pacific.....	0	79113	495	0	0	3168	0	0	191	0	0	0	2	0	82969
Flounder, arrowtooth..	0	290992	436	0	0	26995	17	0	36181	0	9	0	2353	0	356983
Flounder, starry.....	0	35603	0	0	0	1166	688	0	6772	0	3	0	0	0	44232
Greenling sp.....	0	1	4	32	0	34	0	0	5	0	45656	4917	1082	0	51731
Grenadier.....	0	7230	0	0	0	3078	0	0	65855	0	1	0	7915	0	84079
Hagfish sp.....	0	0	0	0	0	0	0	16	4372	0	0	0	0	0	4388
Halibut, California...	0	0	0	0	0	0	0	0	184	0	0	0	13	0	197
Halibut, Pacific.....	0	108379	35087	123	4584	102773	21835	25000	20800	655	3469	679	105	0	323489
Herring, Pacific.....	0	2	0	0	0	5435	0	1101	0	0	0	0	0	0	6538
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28610	28610
Lingcod.....	0	58707	1492	3751	1631	47139	1392	789	51484	152	52153	4336	28407	0	251433
Lord, red Irish.....	0	0	0	2	0	0	0	0	0	0	205	48	0	0	255
Louvar.....	0	337	0	0	0	461	0	0	0	0	0	0	161	0	959
Mackerel, jack.....	0	821	0	0	0	12651	0	0	1595	0	0	0	0	0	15067
Mackerel, Pacific.....	0	840	0	0	0	6004	0	0	1800	0	0	0	0	0	8644
Opah.....	0	277	0	0	0	492	0	0	0	0	0	0	115	0	884
Pollock, walleye.....	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Prowfish.....	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Pacific Ocean perch...	0	256965	1261	0	0	76357	0	0	10446	0	0	0	0	0	345029
Nominal POP.....	0	47548	1594	0	0	191053	6	0	147089	0	3768	0	33879	0	424937
Rockfish, black.....	0	60574	7208	35136	619	210	19	0	264	0	82543	2533	14850	0	203956
Rockfish, canary.....	0	302078	12228	182	193	263960	2508	39	136919	0	131021	441	117264	0	966833
Rockfish, widow.....	0	1044287	1211	27	0	618403	47	39	399981	0	2400	120	193464	0	2259979
Rockfish, yellowtail..	0	799349	17026	666	29	276851	4810	369	171287	0	52056	485	101298	0	1424226
Rockfish, other sp....	0	448208	3900	1161	4396	129487	1049	747	210609	847	182603	8781	67110	0	1058898
Thornyhead, longspine	0	483351	643	0	0	121040	0	0	563842	0	0	0	110693	0	1279569
Thornyhead, shortspine	0	254780	241	0	0	190063	0	0	261984	0	0	0	89739	0	796807

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1998(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	1479524	3805	0	87	1427024	15817	53087	1130690	17	262756	581	274576	0	4647964
Salmon, chinook.....	169202	706	117605	1067	3147	1526401	118951	58313	324301	31752	82408	3072	29608	0	2466533
Salmon, chum.....	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Salmon, coho.....	121913	0	0	0	0	0	0	0	0	0	0	0	0	0	121913
Salmon, pink.....	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Sanddab, Pacific.....	0	1555	5	0	0	1329	1267	0	46321	0	0	0	2300	0	52777
Sardine, Pacific.....	0	0	0	0	0	0	0	775	0	0	0	0	0	0	775
Sculpin, buffalo.....	0	0	0	0	0	7	0	0	0	0	3	0	2	0	12
Sculpin, other sp.....	0	0	0	0	25	7	0	0	0	0	0	0	0	0	32
Shad, American.....	17024	21	0	0	0	0	0	1874	20	0	0	0	0	0	18939
Shark, blue.....	0	24	0	0	0	3121	151	99	1708	65	355	0	0	0	5523
Shark, shortfin mako..	0	799	0	0	0	1624	0	0	251	0	0	0	0	0	2674
Shark, sixgill.....	0	0	0	0	0	0	0	0	94	0	82	0	0	0	176
Shark, soupfin.....	0	342	0	0	0	414	32	0	580	0	430	0	260	0	2058
Shark, spiny dogfish..	0	30209	12	0	0	600	0	0	57	0	0	0	0	0	30878
Shark, thresher.....	0	0	0	0	0	0	0	0	112	0	0	0	0	0	112
Shark, other sp.....	0	0	0	0	0	173	0	0	136	0	0	0	0	0	309
Skates and rays.....	0	17014	1211	0	0	1190	88	0	42546	0	50	0	29033	0	91132
Skilfish.....	0	0	0	0	0	0	0	0	88	0	0	0	0	0	88
Smelt (eulachon).....	18489	0	0	0	0	0	0	0	0	0	0	0	0	0	18489
Smelt, other sp.....	0	0	0	0	0	0	0	125	0	0	0	0	0	0	125
Sole, butter.....	0	43	0	0	0	0	0	0	2790	0	0	0	0	0	2833
Sole, curlfin (turbot)	0	96	0	0	0	576	0	0	1027	0	0	0	37	0	1736
Sole, Dover.....	0	1088453	7493	0	0	431120	90	0	1066435	0	42	0	283663	0	2877296
Sole, English.....	0	123029	548	0	0	44273	694	0	134773	0	0	0	49694	0	353011
Sole, flathead.....	0	2381	0	0	0	0	0	0	0	0	0	0	0	0	2381
Sole, petrale.....	0	493408	5759	0	0	291456	1380	0	568066	0	6	0	61362	0	1421437
Sole, rex.....	0	69992	64	0	0	22833	68	0	103085	0	0	0	16134	0	212176
Sole, rock.....	0	112	0	0	0	1245	472	0	2594	0	0	0	11	0	4434

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1998(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, sand.....	0	15981	0	0	0	16969	4455	0	40807	0	16	0	34	0	78262
Steelhead.....	2236	0	0	0	0	0	0	0	0	0	0	0	0	0	2236
Sturgeon, green.....	5074	846	0	0	0	49	104	0	1024	0	0	0	0	0	7097
Sturgeon, white.....	327506	1298	0	0	0	0	0	0	315	0	0	0	0	0	329119
Surfperch sp.....	0	0	0	0	0	2420	0	0	0	0	288	476	1589	0	4773
Swordfish.....	0	109353	0	0	0	114124	0	0	22096	0	0	0	13188	0	258761
Tuna, bluefin.....	0	5122	0	0	0	4106	0	0	0	0	0	0	6252	0	15480
Tuna, albacore.....	0	3894653	154161	2753	8535	1250445	37014	95764	684607	9394	13682	4261	81721	0	6236990
Walleye.....	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Whiting, Pac. (hake)..	0	1608288	0	0	0	2144137	0	0	4060	0	0	0	0	0	3756485
Wolf-eel.....	0	26	0	0	0	274	0	10	597	0	1257	4	54	0	2222
Wrymouth, giant.....	0	143	0	0	0	20	0	0	69	0	0	0	4	0	236
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	0	0	0	140	0	0	0	0	0	140
Crab, Dungeness, bay..	0	0	0	0	25	96	0	7372	20276	1163	0	0	0	26488	55420
Crab, Dungeness, ocean	0	3347695	290766	22991	67604	3510897	485738	354073	1305992	1219	780111	1425	2294361	1533	12464405
Crab, rock.....	0	0	0	0	0	1397	0	126	33	0	0	0	0	0	1556
Crab, Scarlet King....	0	0	0	0	0	0	0	0	95	0	0	0	0	0	95
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	87849	87849
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	10200	10200
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	500	0	0	214	2157	0	2871
Shrimp, ghost.....	0	0	0	1706	0	4236	2544	60	3835	0	0	0	0	45618	57999
Shrimp, mud.....	0	0	0	0	0	3585	0	0	0	0	0	0	0	27595	31180
Shrimp, pink.....	0	722821	297275	0	0	1209537	27	0	586301	0	0	0	373278	0	3189239
Shrimp, sidestripe....	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Shrimp, spot.....	0	465063	25661	0	0	21891	0	0	32451	0	0	0	6906	0	551972
MOLLUSKS:															
Clams, butter.....	0	0	9249	0	0	0	0	0	0	0	0	0	0	0	9249
Clams, cockle.....	0	0	5944	0	0	0	0	0	316	0	0	0	0	113	6373

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1998(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	786	0	0	0	0	0	12	0	0	0	0	0	798
Clams, littleneck.....	0	0	4031	0	0	0	0	0	0	0	0	0	0	6729	10760
Clams, softshell.....	0	0	0	0	0	0	0	249	106	0	0	0	0	0	355
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	7249	7249
Mussels, ocean.....	0	0	0	0	0	622	0	125	0	136	0	0	0	50	933
Octopus.....	0	1113	0	0	0	1693	0	0	914	0	1042	0	1665	0	6427
Scallops, rock.....	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6
Scallops, weathervane	0	17364	0	0	0	0	0	0	0	0	0	0	0	0	17364
Snails & chitons.....	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Squid.....	0	164	0	0	0	1626	0	0	1145	0	0	0	700	0	3635
OTHER INVERTEBRATES:															
Sea anemone.....	0	0	0	0	0	334	0	0	0	0	0	0	0	0	334
Sea stars.....	0	0	0	0	0	880	0	0	0	0	0	0	0	0	880
Sea urchin, purple....	0	0	0	0	0	15	0	0	397	0	0	0	0	0	412
Sea urchin, red.....	0	0	0	0	12302	3843	0	0	19971	0	49665	49479	16915	0	152175
TOTAL	661481	17777202	1007225	70034	105972	14123714	701263	600152	8243586	45400	1799107	85169	4321808	242034	49784147

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, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	503	261	2926	5263	12854	6498	11205	4929	7701	12061	1472	377	66050
Cod, Pacific.....	2845	1262	2772	7640	9807	18124	16655	10191	6294	6174	955	250	82969
Flounder, arrowtooth..	3451	8513	9095	29079	91896	66974	53798	52237	21079	12588	4179	4094	356983
Flounder, starry.....	0	0	132	1408	7679	3064	3934	7287	2772	17471	485	0	44232
Greenling sp.....	880	454	4774	8146	12748	4912	9515	3244	2025	4110	383	540	51731
Grenadier.....	165	944	3538	4211	7008	7613	15746	15957	13349	12422	2259	867	84079
Hagfish sp.....	0	0	5	11	0	0	0	0	578	0	506	3288	4388
Halibut, California...	0	0	0	15	0	22	31	72	57	0	0	0	197
Halibut, Pacific.....	0	0	0	116	28025	9956	118932	88245	77962	253	0	0	323489
Herring, Pacific.....	0	3950	0	0	2	0	510	1920	6	150	0	0	6538
Lamprey, Pacific.....	0	0	0	0	0	4756	23234	620	0	0	0	0	28610
Lingcod.....	10576	5778	29797	24622	46999	33311	34801	18017	17830	19545	7445	2712	251433
Lord, red Irish.....	0	0	13	32	30	34	67	38	13	28	0	0	255
Louvar.....	0	0	0	0	0	0	0	0	112	605	242	0	959
Mackerel, jack.....	0	36	72	0	0	688	25	1015	12097	966	168	0	15067
Mackerel, Pacific.....	0	0	0	0	0	840	388	677	6207	519	6	7	8644
Opah.....	0	0	0	0	0	0	0	0	188	620	76	0	884
Pollock, walleye.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Prowfish.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Pacific Ocean perch...	12628	13509	28947	34369	40205	41304	57997	36879	25905	31505	12612	9169	345029
Nominal POP.....	14744	19176	60679	40628	39430	36849	47209	44261	27847	54191	24458	15465	424937
Rockfish, black.....	687	138	7681	14641	43136	34577	32743	34633	24033	10858	637	192	203956
Rockfish, canary.....	20065	28092	145184	173526	202830	145211	110492	77063	48759	10084	3753	1774	966833
Rockfish, widow.....	22217	50186	132190	113756	227092	221751	320309	359371	262101	231102	195058	124846	2259979
Rockfish, yellowtail..	34748	43868	109691	124752	208183	167414	257566	175667	113932	91527	62629	34249	1424226
Rockfish, other sp....	26422	35728	102084	94795	195974	132839	133641	92328	72924	86566	42847	42750	1058898
Thornyhead, longspine	16600	45315	146475	112822	169038	137447	145102	110695	115797	159327	71579	49372	1279569
Thornyhead, shortspine	17874	34357	79212	64723	99318	96924	94606	79931	72269	71759	40415	45419	796807
Sablefish.....	76598	157116	230582	217763	332916	279381	355676	1844927	350996	395880	210202	195927	4647964

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1998. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, chinook.....	54	1801	5410	369490	816476	517891	70598	392424	137742	118609	36038	0	2466533
Salmon, chum.....	0	0	0	0	0	0	0	0	0	21	0	0	21
Salmon, coho.....	0	0	0	0	0	0	0	28	74944	46926	15	0	121913
Salmon, pink.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Sanddab, Pacific.....	888	9942	23196	1642	1690	2232	1582	1088	343	6126	4043	5	52777
Sardine, Pacific.....	0	0	0	0	0	550	0	0	0	225	0	0	775
Sculpin, buffalo.....	0	0	0	2	0	3	0	0	7	0	0	0	12
Sculpin, other sp.....	0	0	0	7	0	0	25	0	0	0	0	0	32
Shad, American.....	0	0	0	0	5528	13149	261	0	0	1	0	0	18939
Shark, blue.....	0	0	0	0	30	47	333	260	29	4824	0	0	5523
Shark, shortfin mako..	0	0	0	0	0	0	0	0	1388	1189	97	0	2674
Shark, sixgill.....	33	0	0	0	24	61	0	0	0	0	58	0	176
Shark, soupfin.....	81	46	113	65	237	139	283	329	70	642	53	0	2058
Shark, spiny dogfish..	3071	4571	5553	5306	10069	1406	0	0	412	203	250	37	30878
Shark, thresher.....	0	0	78	34	0	0	0	0	0	0	0	0	112
Shark, other sp.....	0	0	0	0	8	60	241	0	0	0	0	0	309
Skates and rays.....	3697	2861	8538	11307	17965	12005	10147	4504	7168	8959	1763	2218	91132
Skilfish.....	0	0	0	0	0	0	88	0	0	0	0	0	88
Smelt (eulachon).....	18269	207	0	0	0	0	0	0	0	0	0	13	18489
Smelt, other sp.....	0	0	0	0	125	0	0	0	0	0	0	0	125
Sole, butter.....	0	0	0	326	239	473	680	775	230	110	0	0	2833
Sole, curlfin (turbot)	0	0	46	18	202	389	716	118	68	179	0	0	1736
Sole, Dover.....	132334	296185	241972	175716	252219	247201	268046	228597	226741	347748	205428	255109	2877296
Sole, English.....	8450	13281	44213	39435	46114	39866	64224	30275	31327	24966	5091	5769	353011
Sole, flathead.....	0	0	163	56	211	906	67	31	371	576	0	0	2381
Sole, petrale.....	204066	173590	187510	95326	108904	65414	98260	53560	57101	67913	41584	268209	1421437
Sole, rex.....	4144	9198	22791	12454	23737	23155	23219	20160	19315	28573	10617	14813	212176
Sole, rock.....	0	0	16	320	489	1005	1580	571	393	42	9	9	4434
Sole, sand.....	0	0	250	1982	4312	18332	23046	20596	6290	3326	128	0	78262
Steelhead.....	0	0	0	0	0	0	0	165	2071	0	0	0	2236

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1998. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, green.....	0	0	0	99	627	326	568	4257	0	1220	0	0	7097
Sturgeon, white.....	47890	37841	14540	9506	11823	3788	109	48710	3464	147935	3513	0	329119
Surfperch sp.....	0	0	1062	1777	469	438	659	11	42	315	0	0	4773
Swordfish.....	0	0	0	0	0	0	0	0	73793	164289	20679	0	258761
Tuna, bluefin.....	0	0	0	0	0	0	0	0	1579	4839	9062	0	15480
Tuna, albacore.....	0	0	0	113937	0	722926	773624	2331962	1560851	607556	108315	17819	6236990
Walleye.....	0	0	16	0	0	0	0	0	0	0	0	0	16
Whiting, Pac. (hake)..	122	169	33	1222	618	770900	1176633	874662	726204	205798	124	0	3756485
Wolf-eel.....	2	0	74	207	579	431	418	198	157	140	16	0	2222
Wrymouth, giant.....	17	0	0	19	19	64	41	32	14	14	16	0	236
CRUSTACEANS:													
Crab, box.....	112	28	0	0	0	0	0	0	0	0	0	0	140
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	17849	30551	6671	349	55420
Crab, Dungeness, ocean	1167583	686332	699821	313817	149715	113932	332004	273051	0	0	0	8728150	12464405
Crab, rock.....	32	152	273	287	178	166	285	95	24	64	0	0	1556
Crab, Scarlet King....	0	0	0	0	0	0	95	0	0	0	0	0	95
Crayfish.....	0	0	0	1276	5023	23576	17139	16715	17077	7043	0	0	87849
Shrimp, brine.....	0	0	0	0	0	2300	7900	0	0	0	0	0	10200
Shrimp, coonstripe....	0	0	0	0	500	0	0	0	0	453	1386	532	2871
Shrimp, ghost.....	2095	2603	4015	4329	4961	5970	5681	5349	7303	8871	4138	2684	57999
Shrimp, mud.....	4564	4462	8075	4305	2828	823	0	0	0	528	1804	3791	31180
Shrimp, pink.....	0	0	0	635240	1213325	290277	456875	357485	170932	64527	578	0	3189239
Shrimp, sidestripe....	0	0	0	0	0	0	0	0	0	0	3	0	3
Shrimp, spot.....	3353	3479	62368	108239	76843	54016	45194	73398	68165	51011	5906	0	551972
MOLLUSKS:													
Clams, butter.....	150	570	1684	662	655	973	603	234	489	1090	916	1223	9249
Clams, cockle.....	198	510	337	1129	492	1420	173	86	153	131	133	1611	6373
Clams, gaper.....	0	0	0	0	0	0	422	84	195	76	0	21	798
Clams, littleneck....	15	60	381	628	2056	1212	1184	1943	1518	1539	179	45	10760
Clams, softshell.....	20	0	0	110	225	0	0	0	0	0	0	0	355

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1998. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, razor.....	211	393	1990	3256	564	835	0	0	0	0	0	0	7249
Mussels, ocean.....	0	79	90	40	0	265	96	46	0	90	90	137	933
Octopus.....	259	161	1291	813	877	1278	433	54	110	108	23	1020	6427
Scallops, rock.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Scallops, weathervane	0	0	0	0	0	10282	7082	0	0	0	0	0	17364
Snails & chitons.....	0	0	0	0	0	0	8	0	0	0	0	0	8
Squid.....	854	95	53	344	1487	18	47	437	250	34	16	0	3635
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	0	0	0	149	119	66	0	0	0	334
Sea stars.....	50	0	145	80	222	10	86	0	57	143	45	42	880
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	412	0	0	412
Sea urchin, red.....	554	0	7119	8078	849	2106	4958	12745	45893	34700	29842	5331	152175
TOTAL	1864171	1697299	2439065	2995204	4538684	4403105	5240045	7815367	4545031	3224946	1180995	9840235	49784147

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1998. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	54	1801	5410	50593	29198	4185	0	17052	11056	7051	145	0	126545
Salmon, chum.....	0	0	0	0	0	0	0	0	0	21	0	0	21
Salmon, coho.....	0	0	0	0	0	0	0	25	74865	46926	15	0	121831
Shad, American.....	0	0	0	0	3916	11601	0	0	0	0	0	0	15517
Smelt (eulachon).....	18269	207	0	0	0	0	0	0	0	0	0	13	18489
Sturgeon, green.....	0	0	0	0	25	0	0	3998	0	1051	0	0	5074
Sturgeon, white.....	46863	29380	206	3230	8973	3293	0	48634	3464	147635	3513	0	295191
TOTAL	65186	31388	5616	53823	42112	19079	0	69709	89385	202684	3673	13	582668
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	9139	33518	0	0	0	42657
Salmon, coho.....	0	0	0	0	0	0	0	3	79	0	0	0	82
Shad, American.....	0	0	0	0	300	976	231	0	0	0	0	0	1507
Steelhead.....	0	0	0	0	0	0	0	165	2071	0	0	0	2236
Sturgeon, white.....	1027	8461	14334	5362	2731	400	0	0	0	0	0	0	32315
Walleye.....	0	0	16	0	0	0	0	0	0	0	0	0	16
TOTAL	1027	8461	14350	5362	3031	1376	231	9307	35668	0	0	0	78813
TOTAL	66213	39849	19966	59185	45143	20455	231	79016	125053	202684	3673	13	661481

1/ OREGON LANDINGS ONLY

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1998. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	72	45	0	0	5	0	0	0	122
Cod, Pacific.....	2772	1261	2744	7571	9088	17703	15233	9800	5717	6051	951	222	79113
Flounder, arrowtooth..	2125	6030	5148	24463	83223	57305	43795	44653	15273	5286	2303	1388	290992
Flounder, starry.....	0	0	123	1378	7430	1602	2243	2986	2026	17330	485	0	35603
Greenling sp.....	0	0	0	1	0	0	0	0	0	0	0	0	1
Grenadier.....	27	41	210	245	923	844	2257	897	644	897	179	66	7230
Halibut, Pacific.....	0	0	0	0	19377	0	13565	18532	56905	0	0	0	108379
Herring, Pacific.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Lingcod.....	1960	3157	7455	4748	7559	7772	8351	6556	5126	3573	1793	657	58707
Louvar.....	0	0	0	0	0	0	0	0	112	225	0	0	337
Mackerel, jack.....	0	0	0	0	0	688	0	0	0	0	133	0	821
Mackerel, Pacific.....	0	0	0	0	0	840	0	0	0	0	0	0	840
Opah.....	0	0	0	0	0	0	0	0	77	200	0	0	277
Pacific Ocean perch...	8025	11130	20359	24976	29921	35908	39204	27623	21804	22280	10789	4946	256965
Nominal POP.....	435	1639	6186	4097	5578	4938	7199	6858	3897	3881	2028	812	47548
Rockfish, black.....	0	1	2195	708	2812	6914	7212	17993	16033	6610	96	0	60574
Rockfish, canary.....	4618	14044	43545	26607	24211	70501	47665	41586	22512	4116	1897	776	302078
Rockfish, widow.....	7171	21043	46041	53642	59775	88107	173228	244536	143925	92927	87285	26607	1044287
Rockfish, yellowtail..	20018	32056	52336	51737	82398	90178	166905	117758	71268	53075	42364	19256	799349
Rockfish, other sp....	10100	23082	38631	44950	100180	71373	48098	36058	24505	25199	16546	9486	448208
Thornyhead, longspine	5448	13880	58266	51901	68113	48562	71726	46682	43371	50131	17018	8253	483351
Thornyhead, shortspine	7382	12644	25852	21373	30312	32746	35383	23202	21014	23714	10425	10733	254780
Sablefish.....	35283	62601	83424	83566	111469	99003	105946	550542	116594	112557	66537	52002	1479524
Salmon, chinook.....	0	0	0	60	259	387	0	0	0	0	0	0	706
Sanddab, Pacific.....	0	2	50	54	574	420	88	9	215	141	2	0	1555
Shad, American.....	0	0	0	0	0	0	21	0	0	0	0	0	21
Shark, blue.....	0	0	0	0	0	0	24	0	0	0	0	0	24
Shark, shortfin mako..	0	0	0	0	0	0	0	0	650	149	0	0	799
Shark, soupfin.....	31	0	0	0	0	95	108	41	0	67	0	0	342

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1998. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, spiny dogfish..	3051	4571	5553	5305	10057	1403	0	0	0	0	243	26	30209
Skates and rays.....	84	33	1706	4433	6347	3066	967	50	81	137	85	25	17014
Sole, butter.....	0	0	0	0	0	0	42	0	1	0	0	0	43
Sole, curlfin (turbot)	0	0	0	0	21	50	8	0	17	0	0	0	96
Sole, Dover.....	71026	142609	108908	63284	81827	94109	100022	81111	71501	104542	86588	82926	1088453
Sole, English.....	3853	5620	11874	7311	21095	13449	21097	19032	12829	4555	1384	930	123029
Sole, flathead.....	0	0	163	56	211	906	67	31	371	576	0	0	2381
Sole, petrale.....	92573	78536	60705	15338	25469	22081	29825	36057	28316	29756	13406	61346	493408
Sole, rex.....	1686	2211	6609	3748	6932	10457	10441	7957	8421	7856	2816	858	69992
Sole, rock.....	0	0	10	11	15	4	29	13	5	7	9	9	112
Sole, sand.....	0	0	82	216	2811	2823	4687	2356	1552	1328	126	0	15981
Sturgeon, green.....	0	0	0	99	564	18	0	23	0	142	0	0	846
Sturgeon, white.....	0	0	0	791	95	64	48	0	0	300	0	0	1298
Swordfish.....	0	0	0	0	0	0	0	0	63993	45212	148	0	109353
Tuna, bluefin.....	0	0	0	0	0	0	0	0	1579	3543	0	0	5122
Tuna, albacore.....	0	0	0	113937	0	722926	610905	1360358	756672	235350	94505	0	3894653
Whiting, Pac. (hake)..	0	0	0	1206	193	351559	500558	361229	316318	77101	124	0	1608288
Wolf-eel.....	0	0	4	4	7	0	9	0	0	0	2	0	26
Wrymouth, giant.....	17	0	0	11	19	61	29	4	2	0	0	0	143
CRUSTACEANS:													
Crab, Dungeness, ocean	596468	311549	198959	69749	40830	24412	19539	15939	0	0	0	2070250	3347695
Shrimp, pink.....	0	0	0	144697	278943	146277	65937	52012	33606	771	578	0	722821
Shrimp, spot.....	0	0	33506	108239	44931	54016	45194	67081	64444	47652	0	0	465063
MOLLUSKS:													
Octopus.....	61	20	189	317	126	153	74	32	54	34	21	32	1113
Scallops, weathervane	0	0	0	0	0	10282	7082	0	0	0	0	0	17364
Squid.....	0	35	53	23	6	17	0	0	14	0	16	0	164
OTHER INVERTEBRATES:													
TOTAL	874214	747795	820886	940852	1163775	2094064	2204811	3199597	1931449	987271	460882	2351606	17777202

TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1998.

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	608	90	0	0	698
Crab, Dungeness, ocean	0	0	0	0	0	0	660	873	0	0	0	0	1533
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	75	38	0	113
Clams, littleneck.....	0	0	60	194	1143	380	854	1253	1172	1494	179	0	6729
Mussels, ocean.....	0	0	0	0	0	50	0	0	0	0	0	0	50
TOTAL	0	0	60	194	1143	430	1514	2126	1780	1659	217	0	9123

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	21	0	0	0	0	0	0	0	21
Cod, Pacific.....	0	0	3	18	471	0	3	0	0	0	0	0	495
Flounder, arrowtooth..	0	0	16	21	0	119	280	0	0	0	0	0	436
Greenling sp.....	0	0	0	0	0	0	0	2	2	0	0	0	4
Halibut, Pacific.....	0	0	0	0	0	65	19642	13666	1714	0	0	0	35087
Lingcod.....	0	0	0	96	574	406	416	0	0	0	0	0	1492
Pacific Ocean perch...	0	0	96	16	1149	0	0	0	0	0	0	0	1261
Nominal POP.....	0	0	149	1329	83	3	30	0	0	0	0	0	1594
Rockfish, black.....	0	0	0	174	330	402	1927	2338	2037	0	0	0	7208
Rockfish, canary.....	0	0	1425	3908	5731	390	759	4	11	0	0	0	12228
Rockfish, widow.....	0	0	530	613	48	1	19	0	0	0	0	0	1211
Rockfish, yellowtail..	0	0	132	4902	7281	1700	1319	1564	128	0	0	0	17026
Rockfish, other sp....	0	0	1180	779	142	45	642	689	423	0	0	0	3900
Thornyhead, longspine	0	0	133	0	420	90	0	0	0	0	0	0	643
Thornyhead, shortspine	0	0	4	83	128	20	6	0	0	0	0	0	241
Sablefish.....	0	0	16	2	756	827	1564	640	0	0	0	0	3805
Salmon, chinook.....	0	0	0	161	10380	8873	413	31547	41372	22900	1959	0	117605
Salmon, pink.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Sanddab, Pacific.....	0	0	0	0	0	5	0	0	0	0	0	0	5
Shark, spiny dogfish..	0	0	0	0	12	0	0	0	0	0	0	0	12
Skates and rays.....	0	0	0	0	473	738	0	0	0	0	0	0	1211
Sole, Dover.....	0	0	0	186	1144	2755	3408	0	0	0	0	0	7493
Sole, English.....	0	0	142	25	164	144	73	0	0	0	0	0	548
Sole, petrale.....	0	0	95	94	1003	3053	1466	33	15	0	0	0	5759
Sole, rex.....	0	0	14	9	33	0	8	0	0	0	0	0	64
Tuna, albacore.....	0	0	0	0	0	0	28039	49944	59052	17126	0	0	154161
CRUSTACEANS:													
Crab, Dungeness, ocean	38428	20944	57501	31065	18405	13285	17913	9098	0	0	0	84127	290766

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, pink.....	0	0	0	85911	106999	20204	17945	51140	15076	0	0	0	297275
Shrimp, spot.....	0	0	0	0	25661	0	0	0	0	0	0	0	25661
MOLLUSKS:													
Clams, butter.....	150	570	1684	662	655	973	603	234	489	1090	916	1223	9249
Clams, cockle.....	198	510	337	1129	492	1420	173	86	153	56	95	1295	5944
Clams, gaper.....	0	0	0	0	0	0	422	84	195	76	0	9	786
Clams, littleneck.....	15	60	321	434	913	832	330	690	346	45	0	45	4031
TOTAL	38791	22084	63778	131617	183468	56350	97400	161762	121013	41293	2970	86699	1007225

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, mud.....	3929	4127	7482	3807	1986	226	0	0	0	528	1804	3706	27595
TOTAL	3929	4127	7482	3807	1986	226	0	0	0	528	1804	3706	27595

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	9	63	113	130	119	3	0	0	0	437
Greenling sp.....	0	0	0	6	0	13	0	13	0	0	0	0	32
Halibut, Pacific.....	0	0	0	0	0	0	0	0	75	48	0	0	123
Lingcod.....	121	0	433	541	668	1338	650	0	0	0	0	0	3751
Lord, red Irish.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Rockfish, black.....	0	0	39	1102	3973	12780	8099	8366	777	0	0	0	35136
Rockfish, canary.....	0	0	0	10	16	32	108	16	0	0	0	0	182
Rockfish, widow.....	0	0	0	0	0	24	3	0	0	0	0	0	27
Rockfish, yellowtail..	0	0	0	2	16	120	377	77	74	0	0	0	666
Rockfish, other sp....	0	0	0	0	57	625	378	101	0	0	0	0	1161
Salmon, chinook.....	0	0	0	0	105	0	0	314	550	98	0	0	1067
Tuna, albacore.....	0	0	0	0	0	0	41	2712	0	0	0	0	2753
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	202	1735	1925	2233	10392	6504	0	0	0	0	22991
Shrimp, ghost.....	0	0	0	24	567	528	395	162	30	0	0	0	1706
TOTAL	121	0	674	3429	7390	17806	20575	18384	1509	146	0	0	70034

TABLE 51. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	417	864	327	1187	0	0	0	0	0	0	2795
Halibut, Pacific.....	0	0	0	0	0	0	2506	912	1166	0	0	0	4584
Lingcod.....	105	0	751	282	100	212	181	0	0	0	0	0	1631
Rockfish, black.....	0	0	0	33	193	240	153	0	0	0	0	0	619
Rockfish, canary.....	0	0	0	0	74	0	119	0	0	0	0	0	193
Rockfish, yellowtail..	0	0	0	0	29	0	0	0	0	0	0	0	29
Rockfish, other sp....	26	0	577	620	677	603	1485	266	142	0	0	0	4396
Sablefish.....	0	0	0	0	0	0	0	87	0	0	0	0	87
Salmon, chinook.....	0	0	0	0	716	0	0	1074	876	481	0	0	3147
Sculpin, other sp.....	0	0	0	0	0	0	25	0	0	0	0	0	25
Tuna, albacore.....	0	0	0	0	0	0	0	5388	106	3041	0	0	8535
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	25	0	0	0	25
Crab, Dungeness, ocean	7989	1265	12704	6853	4002	7856	5535	6095	0	0	0	15305	67604
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	0	657	0	0	0	0	0	3124	5376	3145	12302
TOTAL	8120	1265	14449	9309	6118	10098	10004	13822	2315	6646	5376	18450	105972

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	14	45	14	11	162	15	0	34	7	0	0	0	302
Cod, Pacific.....	71	0	10	51	246	374	1388	325	571	110	0	22	3168
Flounder, arrowtooth..	553	437	1457	2832	4164	3926	4182	3505	2774	2408	292	465	26995
Flounder, starry.....	0	0	3	2	1	387	270	251	111	141	0	0	1166
Greenling sp.....	0	0	0	21	0	2	0	0	11	0	0	0	34
Grenadier.....	6	6	73	129	148	292	303	622	340	959	157	43	3078
Halibut, Pacific.....	0	0	0	116	6201	6535	45933	36094	7784	110	0	0	102773
Herring, Pacific.....	0	3950	0	0	0	0	247	1232	6	0	0	0	5435
Lingcod.....	781	492	4434	5745	7314	6933	7589	4916	3088	3374	1624	849	47139
Louvar.....	0	0	0	0	0	0	0	0	0	380	81	0	461
Mackerel, jack.....	0	0	0	0	0	0	0	733	11305	613	0	0	12651
Mackerel, Pacific.....	0	0	0	0	0	0	0	581	5360	63	0	0	6004
Opah.....	0	0	0	0	0	0	0	0	111	381	0	0	492
Pacific Ocean perch...	3626	1977	6815	9145	7329	3896	16960	8568	3899	9225	1236	3681	76357
Nominal POP.....	8708	11467	30432	22874	10035	9485	15466	18819	8209	32818	15216	7524	191053
Rockfish, black.....	0	0	5	0	0	165	36	0	4	0	0	0	210
Rockfish, canary.....	3932	11244	38872	62426	51270	27169	34284	22463	9169	1610	974	547	263960
Rockfish, widow.....	11115	19386	42667	28199	58370	68965	95908	42903	43762	61221	70222	75685	618403
Rockfish, yellowtail..	6781	6682	19082	22453	44908	35390	46587	33690	20123	20940	12756	7459	276851
Rockfish, other sp....	2697	3089	10897	17376	14201	19364	17429	13361	9202	8045	3374	10452	129487
Thornyhead, longspine	7972	3957	14635	10669	11135	11248	11375	7480	8954	20591	3424	9600	121040
Thornyhead, shortspine	5849	6431	21351	17166	19620	20418	23408	23349	15085	17945	7085	12356	190063
Sablefish.....	22770	29011	50809	47464	63115	62807	86515	772437	90695	112157	33855	55389	1427024
Salmon, chinook.....	0	0	0	234982	629100	360670	46445	216473	32616	6115	0	0	1526401
Sanddab, Pacific.....	0	0	3	0	42	445	0	833	0	6	0	0	1329
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	7	0	0	0	7
Sculpin, other sp.....	0	0	0	7	0	0	0	0	0	0	0	0	7
Shark, blue.....	0	0	0	0	0	0	0	0	0	3121	0	0	3121
Shark, shortfin mako..	0	0	0	0	0	0	0	0	738	789	97	0	1624

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, soupfin.....	0	46	0	0	28	44	30	182	46	38	0	0	414
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	412	188	0	0	600
Shark, other sp.....	0	0	0	0	0	0	173	0	0	0	0	0	173
Skates and rays.....	0	0	0	0	165	14	0	0	0	0	444	567	1190
Sole, curlfin (turbot)	0	0	19	0	0	0	375	0	4	178	0	0	576
Sole, Dover.....	28561	18982	40065	37652	38513	38878	52178	47627	32887	54841	19788	21148	431120
Sole, English.....	741	1032	2782	7207	6081	3176	7314	2650	8067	3805	662	756	44273
Sole, petrale.....	15640	9769	19656	48989	48249	16015	47023	8841	17128	11479	13511	35156	291456
Sole, rex.....	489	631	1896	1820	3223	2413	2517	2246	1532	2997	1874	1195	22833
Sole, rock.....	0	0	0	0	13	582	354	35	232	29	0	0	1245
Sole, sand.....	0	0	145	174	68	5593	6554	1577	1010	1848	0	0	16969
Sturgeon, green.....	0	0	0	0	0	13	0	9	0	27	0	0	49
Surfperch sp.....	0	0	399	564	468	438	183	11	42	315	0	0	2420
Swordfish.....	0	0	0	0	0	0	0	0	9800	90593	13731	0	114124
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	1296	2810	0	4106
Tuna, albacore.....	0	0	0	0	0	0	86628	394003	467306	296384	6124	0	1250445
Whiting, Pac. (hake)..	0	0	0	0	0	416316	675854	513433	409886	128648	0	0	2144137
Wolf-eel.....	0	0	46	76	92	42	0	2	0	16	0	0	274
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	10	10	0	20
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	58	38	0	96
Crab, Dungeness, ocean	288060	178806	164185	68224	32512	26136	40564	46073	0	0	0	2666337	3510897
Crab, rock.....	32	119	206	238	168	166	285	95	24	64	0	0	1397
Shrimp, ghost.....	0	0	0	0	0	0	0	425	737	1140	1010	924	4236
Shrimp, mud.....	635	335	593	498	842	597	0	0	0	0	0	85	3585
Shrimp, pink.....	0	0	0	143594	568233	87835	246560	121227	31908	10180	0	0	1209537
Shrimp, sidestripe....	0	0	0	0	0	0	0	0	0	0	3	0	3
Shrimp, spot.....	0	0	21891	0	0	0	0	0	0	0	0	0	21891

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Mussels, ocean.....	0	79	90	0	0	90	0	46	0	90	90	137	622
Octopus.....	0	112	535	48	190	658	128	0	0	22	0	0	1693
Squid.....	100	0	0	321	1205	0	0	0	0	0	0	0	1626
OTHER INVERTEBRATES:													
Sea anemone.....	0	0	0	0	0	0	149	119	66	0	0	0	334
Sea stars.....	50	0	145	80	222	10	86	0	57	143	45	42	880
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	15	0	0	15
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	3843	0	0	3843
TOTAL	409183	308085	494212	791153	1627633	1237502	1621280	2347270	1255075	911369	210533	2910419	14123714

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPART, 1998.

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	14726	8204	2860	0	25790
Shrimp, ghost.....	1331	1785	3018	3874	3982	4878	4526	4332	6052	6931	2781	1158	44648
TOTAL	1331	1785	3018	3874	3982	4878	4526	4332	20778	15135	5641	1158	70438

TABLE 53A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT YACHATS, 1998.

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, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, arrowtooth..	0	0	0	0	0	0	0	17	0	0	0	0	17
Flounder, starry.....	0	0	0	0	0	312	376	0	0	0	0	0	688
Halibut, Pacific.....	0	0	0	0	625	1634	15450	2177	1854	95	0	0	21835
Lingcod.....	0	0	16	371	503	123	379	0	0	0	0	0	1392
Nominal POP.....	0	0	0	4	0	0	1	1	0	0	0	0	6
Rockfish, black.....	0	0	0	0	0	0	19	0	0	0	0	0	19
Rockfish, canary.....	0	0	45	48	1947	56	158	212	41	1	0	0	2508
Rockfish, widow.....	0	0	0	0	0	0	45	2	0	0	0	0	47
Rockfish, yellowtail..	0	0	165	486	1327	590	664	1075	435	68	0	0	4810
Rockfish, other sp....	0	0	35	49	288	144	379	91	63	0	0	0	1049
Sablefish.....	0	0	835	0	201	117	417	13842	405	0	0	0	15817
Salmon, chinook.....	0	0	0	20202	30685	22020	4932	29149	8721	3242	0	0	118951
Sanddab, Pacific.....	0	0	567	643	0	25	32	0	0	0	0	0	1267
Shark, blue.....	0	0	0	0	0	33	27	91	0	0	0	0	151
Shark, soupfin.....	0	0	0	0	32	0	0	0	0	0	0	0	32
Skates and rays.....	0	0	7	15	0	36	30	0	0	0	0	0	88
Sole, Dover.....	0	0	0	0	0	23	67	0	0	0	0	0	90
Sole, English.....	0	0	256	36	0	114	288	0	0	0	0	0	694
Sole, petrale.....	0	0	1221	108	0	2	45	4	0	0	0	0	1380
Sole, rex.....	0	0	24	33	0	11	0	0	0	0	0	0	68
Sole, rock.....	0	0	0	66	0	66	340	0	0	0	0	0	472
Sole, sand.....	0	0	0	22	0	1383	3050	0	0	0	0	0	4455
Sturgeon, green.....	0	0	0	0	0	0	104	0	0	0	0	0	104
Tuna, albacore.....	0	0	0	0	0	0	978	11479	18977	5580	0	0	37014
CRUSTACEANS:													
Crab, Dungeness, ocean	13904	5892	35470	15462	6437	15962	182621	130778	0	0	0	79212	485738
Shrimp, ghost.....	417	291	0	244	219	355	271	138	132	60	53	364	2544
Shrimp, pink.....	0	0	0	0	0	27	0	0	0	0	0	0	27
TOTAL	14321	6183	38641	37789	42264	43033	210673	189056	30628	9046	53	79576	701263

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hagfish sp.....	0	0	5	11	0	0	0	0	0	0	0	0	16
Halibut, Pacific.....	0	0	0	0	217	768	4533	11815	7667	0	0	0	25000
Herring, Pacific.....	0	0	0	0	0	0	263	688	0	150	0	0	1101
Lingcod.....	29	0	124	0	179	233	224	0	0	0	0	0	789
Rockfish, canary.....	13	0	0	0	0	4	0	16	6	0	0	0	39
Rockfish, widow.....	0	0	0	0	0	0	35	0	4	0	0	0	39
Rockfish, yellowtail..	0	0	0	0	152	5	113	99	0	0	0	0	369
Rockfish, other sp....	26	0	8	0	117	150	157	41	184	64	0	0	747
Sablefish.....	0	0	0	0	0	328	13	43872	8874	0	0	0	53087
Salmon, chinook.....	0	0	0	5110	19370	10795	2039	13331	5410	2258	0	0	58313
Sardine, Pacific.....	0	0	0	0	0	550	0	0	0	225	0	0	775
Shad, American.....	0	0	0	0	1312	562	0	0	0	0	0	0	1874
Shark, blue.....	0	0	0	0	0	0	0	99	0	0	0	0	99
Smelt, other sp.....	0	0	0	0	125	0	0	0	0	0	0	0	125
Tuna, albacore.....	0	0	0	0	0	0	5545	47290	42499	430	0	0	95764
Wolf-eel.....	0	0	6	0	4	0	0	0	0	0	0	0	10
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	1537	4628	1207	0	7372
Crab, Dungeness, ocean	38277	20599	68654	21345	4217	3525	20945	31570	0	0	0	144941	354073
Crab, rock.....	0	0	67	49	10	0	0	0	0	0	0	0	126
Shrimp, ghost.....	0	0	0	0	16	10	13	21	0	0	0	0	60
MOLLUSKS:													
Clams, softshell.....	0	0	0	24	225	0	0	0	0	0	0	0	249
Mussels, ocean.....	0	0	0	0	0	125	0	0	0	0	0	0	125
TOTAL	38345	20599	68864	26539	25944	17055	33880	148842	66181	7755	1207	144941	600152

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	5	7	0	11	81	10	20	31	16	0	0	0	181
Cod, Pacific.....	2	1	15	0	2	47	31	66	6	13	2	6	191
Flounder, arrowtooth..	769	2033	2378	1536	4248	5517	5084	3856	2688	4496	1341	2235	36181
Flounder, starry.....	0	0	6	28	248	763	1045	4047	635	0	0	0	6772
Greenling sp.....	0	0	0	1	4	0	0	0	0	0	0	0	5
Grenadier.....	118	716	3040	3028	5570	5748	12238	13999	11006	8314	1332	746	65855
Hagfish sp.....	0	0	0	0	0	0	0	0	578	0	506	3288	4372
Halibut, California...	0	0	0	15	0	22	18	72	57	0	0	0	184
Halibut, Pacific.....	0	0	0	0	1308	712	15434	3346	0	0	0	0	20800
Lingcod.....	3249	1359	5249	4455	8571	5615	5764	4289	5159	5047	1688	1039	51484
Mackerel, jack.....	0	36	72	0	0	0	25	282	792	353	35	0	1595
Mackerel, Pacific.....	0	0	0	0	0	0	388	96	847	456	6	7	1800
Pollock, walleye.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Prowfish.....	0	0	0	0	0	0	0	0	3	0	0	0	3
Pacific Ocean perch...	977	402	1677	232	1806	1500	1833	688	202	0	587	542	10446
Nominal POP.....	4744	5081	18398	6030	16212	17995	21002	14870	13742	15610	6825	6580	147089
Rockfish, black.....	9	1	0	0	127	1	110	16	0	0	0	0	264
Rockfish, canary.....	3444	1932	17812	24907	29744	27764	12576	7763	8545	1681	313	438	136919
Rockfish, widow.....	3619	9741	34337	13071	57333	41962	42293	63525	56460	43188	18425	16027	399981
Rockfish, yellowtail..	5144	4639	17636	15113	29297	25583	25065	13511	9888	11142	6754	7515	171287
Rockfish, other sp....	8522	8761	29331	9992	17014	20309	19311	17123	14230	26807	18160	21049	210609
Thornyhead, longspine	2681	22300	57334	42993	71969	60628	54413	52436	55814	73513	41555	28206	563842
Thornyhead, shortspine	4451	12035	25542	19723	34152	29511	30489	27172	27565	20146	14355	16843	261984
Sablefish.....	17989	60151	73767	57463	103913	78943	132535	258990	81033	114445	75875	75586	1130690
Salmon, chinook.....	0	0	0	56676	85930	94660	14677	63009	2386	6963	0	0	324301
Sanddab, Pacific.....	888	9940	22546	814	753	1018	534	124	82	5596	4021	5	46321
Shad, American.....	0	0	0	0	0	10	9	0	0	1	0	0	20
Shark, blue.....	0	0	0	0	0	0	17	2	0	1689	0	0	1708
Shark, shortfin mako..	0	0	0	0	0	0	0	0	0	251	0	0	251

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, sixgill.....	33	0	0	0	0	61	0	0	0	0	0	0	94
Shark, soupfin.....	50	0	61	28	28	0	123	85	24	181	0	0	580
Shark, spiny dogfish..	20	0	0	1	0	3	0	0	0	15	7	11	57
Shark, thresher.....	0	0	78	34	0	0	0	0	0	0	0	0	112
Shark, other sp.....	0	0	0	0	8	60	68	0	0	0	0	0	136
Skates and rays.....	2863	2534	4405	3584	4839	4998	4406	3303	4512	5337	385	1380	42546
Skilfish.....	0	0	0	0	0	0	88	0	0	0	0	0	88
Sole, butter.....	0	0	0	326	239	473	638	775	229	110	0	0	2790
Sole, curlfin (turbot)	0	0	0	9	181	339	333	118	47	0	0	0	1027
Sole, Dover.....	32384	129546	77139	54097	90082	83455	85387	77294	90651	137890	69472	139038	1066435
Sole, English.....	3522	6096	24718	19193	16919	11104	12148	8215	9831	16021	3027	3979	134773
Sole, petrale.....	82694	82470	94919	26556	23993	18729	14285	8233	11152	24730	13392	166913	568066
Sole, rex.....	1698	6016	11449	5330	11680	9624	9303	9139	7607	14876	4541	11822	103085
Sole, rock.....	0	0	6	243	457	346	857	523	156	6	0	0	2594
Sole, sand.....	0	0	23	1562	1407	8533	8755	16662	3722	143	0	0	40807
Sturgeon, green.....	0	0	0	0	38	295	464	227	0	0	0	0	1024
Sturgeon, white.....	0	0	0	123	24	31	61	76	0	0	0	0	315
Swordfish.....	0	0	0	0	0	0	0	0	0	22096	0	0	22096
Tuna, albacore.....	0	0	0	0	0	0	37222	418113	182611	41475	5186	0	684607
Whiting, Pac. (hake)..	122	169	33	16	425	3025	221	0	0	49	0	0	4060
Wolf-eel.....	2	0	9	48	110	162	148	102	16	0	0	0	597
Wrymouth, giant.....	0	0	0	4	0	3	12	28	12	4	6	0	69
CRUSTACEANS:													
Crab, box.....	112	28	0	0	0	0	0	0	0	0	0	0	140
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	900	16765	2262	349	20276
Crab, Dungeness, ocean	53917	69054	44034	35942	13586	9932	22444	15096	0	0	0	1041987	1305992
Crab, rock.....	0	33	0	0	0	0	0	0	0	0	0	0	33
Crab, Scarlet King....	0	0	0	0	0	0	95	0	0	0	0	0	95
Shrimp, coonstripe....	0	0	0	0	500	0	0	0	0	0	0	0	500

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, ghost.....	347	527	997	187	177	199	313	0	118	544	226	200	3835
Shrimp, pink.....	0	0	0	185479	158603	9455	87338	68500	50218	26708	0	0	586301
Shrimp, spot.....	3353	3479	6971	0	6251	0	0	6317	174	0	5906	0	32451
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0	0	316	316
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0	0	12	12
Clams, softshell.....	20	0	0	86	0	0	0	0	0	0	0	0	106
Octopus.....	41	17	201	171	113	240	19	22	27	39	2	22	914
Snails & chitons.....	0	0	0	0	0	0	8	0	0	0	0	0	8
Squid.....	754	60	0	0	276	1	47	7	0	0	0	0	1145
OTHER INVERTEBRATES:													
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	397	0	0	397
Sea urchin, red.....	0	0	0	0	0	0	0	7281	12154	536	0	0	19971
TOTAL	238543	439164	574183	589107	798218	579386	679695	1189429	665895	647633	296192	1546141	8243586

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	297	242	116	0	0	0	0	0	655
Lingcod.....	0	0	35	65	34	18	0	0	0	0	0	0	152
Rockfish, other sp....	0	0	44	128	113	94	188	280	0	0	0	0	847
Sablefish.....	0	0	0	0	5	12	0	0	0	0	0	0	17
Salmon, chinook.....	0	0	0	1706	8945	11431	2092	7578	0	0	0	0	31752
Shark, blue.....	0	0	0	0	30	14	21	0	0	0	0	0	65
Tuna, albacore.....	0	0	0	0	0	0	0	7712	1682	0	0	0	9394
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	53	806	304	0	1163
Crab, Dungeness, ocean	0	0	260	471	488	0	0	0	0	0	0	0	1219
MOLLUSKS:													
Mussels, ocean.....	0	0	0	40	0	0	96	0	0	0	0	0	136
TOTAL	0	0	339	2410	9912	11811	2513	15570	1735	806	304	0	45400

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	484	209	2465	4355	10876	4953	9437	3114	5415	8093	1472	154	51027
Flounder, arrowtooth..	0	0	0	0	0	0	0	9	0	0	0	0	9
Flounder, starry.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Greenling sp.....	880	454	4772	8116	10550	4876	8391	2719	1032	3150	383	333	45656
Grenadier.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Halibut, Pacific.....	0	0	0	0	0	0	1753	1024	692	0	0	0	3469
Lingcod.....	4078	470	8926	5730	11835	4581	6201	1017	2686	5050	1579	0	52153
Lord, red Irish.....	0	0	13	32	22	34	43	20	13	28	0	0	205
Nominal POP.....	124	35	932	439	774	162	331	633	250	76	12	0	3768
Rockfish, black.....	678	136	5338	11602	31114	11138	11233	3655	3132	3784	541	192	82543
Rockfish, canary.....	8058	775	33706	29318	32091	7655	8695	1903	6614	1688	518	0	131021
Rockfish, widow.....	312	0	802	22	519	508	82	6	136	8	5	0	2400
Rockfish, yellowtail..	2805	423	10590	11637	20192	3145	1920	107	843	331	63	0	52056
Rockfish, other sp....	4828	551	13056	14896	42690	16137	35989	15786	15378	18817	4238	237	182603
Sablefish.....	316	403	2675	7938	10137	3820	7658	187588	29504	12342	375	0	262756
Salmon, chinook.....	0	0	0	0	709	1000	0	57	1237	46085	33320	0	82408
Sculpin, buffalo.....	0	0	0	0	0	3	0	0	0	0	0	0	3
Shark, blue.....	0	0	0	0	0	0	244	68	29	14	0	0	355
Shark, sixgill.....	0	0	0	0	24	0	0	0	0	0	58	0	82
Shark, soupfin.....	0	0	20	0	20	0	11	0	0	326	53	0	430
Skates and rays.....	0	0	0	0	0	0	17	0	9	24	0	0	50
Sole, Dover.....	0	0	0	0	11	0	10	18	1	2	0	0	42
Sole, petrale.....	0	0	0	0	2	3	0	0	1	0	0	0	6
Sole, sand.....	0	0	0	0	6	0	0	1	0	7	2	0	16
Surfperch sp.....	0	0	0	0	1	0	287	0	0	0	0	0	288
Tuna, albacore.....	0	0	0	0	0	0	0	5689	7993	0	0	0	13682
Wolf-eel.....	0	0	5	79	347	227	240	83	138	124	14	0	1257

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1998. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, ocean	33932	20701	58677	37277	18139	4748	4973	8967	0	0	0	592697	780111
MOLLUSKS:													
Octopus.....	95	0	98	153	181	70	116	0	16	5	0	308	1042
OTHER INVERTEBRATES:													
Sea urchin, red.....	554	0	0	1372	0	0	0	3578	12218	5291	24466	2186	49665
TOTAL	57144	24157	142075	132966	190240	63060	97632	236045	87337	105245	67099	596107	1799107

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	1210	67	613	345	751	122	0	209	3317
Greenling sp.....	0	0	0	0	2193	0	1048	209	891	369	0	207	4917
Halibut, Pacific.....	0	0	0	0	0	0	0	679	0	0	0	0	679
Lingcod.....	0	0	14	101	1679	1505	1037	0	0	0	0	0	4336
Lord, red Irish.....	0	0	0	0	8	0	22	18	0	0	0	0	48
Rockfish, black.....	0	0	21	93	846	604	306	105	387	171	0	0	2533
Rockfish, canary.....	0	0	0	0	405	6	30	0	0	0	0	0	441
Rockfish, widow.....	0	0	0	0	85	0	0	0	35	0	0	0	120
Rockfish, yellowtail..	0	0	0	0	180	0	128	0	0	177	0	0	485
Rockfish, other sp....	0	0	0	0	1798	665	2814	807	2089	469	0	139	8781
Sablefish.....	0	0	0	0	0	495	86	0	0	0	0	0	581
Salmon, chinook.....	0	0	0	0	0	720	0	2252	0	100	0	0	3072
Surfperch sp.....	0	0	0	469	0	0	7	0	0	0	0	0	476
Tuna, albacore.....	0	0	0	0	0	0	0	2848	1413	0	0	0	4261
Wolf-eel.....	0	0	0	0	4	0	0	0	0	0	0	0	4
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	610	0	480	335	0	0	0	0	0	0	1425
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	0	0	214	214
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	484	2212	0	1380	1976	0	21521	21906	0	0	49479
TOTAL	0	0	1129	2875	8888	5777	8067	7263	27087	23314	0	769	85169

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1998.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	30	13	42	108	1005	1286	1504	3846	0	14	7848
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	2	0	2
Flounder, arrowtooth..	4	13	96	227	261	107	457	197	344	398	243	6	2353
Greenling sp.....	0	0	2	1	1	21	76	301	89	591	0	0	1082
Grenadier.....	14	181	215	809	367	729	947	439	1359	2252	591	12	7915
Halibut, California...	0	0	0	0	0	0	13	0	0	0	0	0	13
Halibut, Pacific.....	0	0	0	0	0	0	0	0	105	0	0	0	105
Lingcod.....	253	300	2360	2488	7983	4575	4009	1239	1771	2501	761	167	28407
Louvar.....	0	0	0	0	0	0	0	0	0	0	161	0	161
Opah.....	0	0	0	0	0	0	0	0	0	39	76	0	115
Nominal POP.....	733	954	4582	5855	6748	4266	3180	3080	1749	1806	377	549	33879
Rockfish, black.....	0	0	83	929	3741	2333	3648	2160	1663	293	0	0	14850
Rockfish, canary.....	0	97	9779	26302	57341	11634	6098	3100	1861	988	51	13	117264
Rockfish, widow.....	0	16	7813	18209	50962	22184	8696	8399	17779	33758	19121	6527	193464
Rockfish, yellowtail..	0	68	9750	18422	22403	10703	14488	7786	11173	5794	692	19	101298
Rockfish, other sp....	223	245	8325	6005	18697	3330	6771	7725	6708	7165	529	1387	67110
Thornyhead, longspine	499	5178	16107	7259	17401	16919	7588	4097	7658	15092	9582	3313	110693
Thornyhead, shortspine	192	3247	6463	6378	15106	14229	5320	6208	8605	9954	8550	5487	89739
Sablefish.....	240	4950	19056	21330	43320	33029	20942	16929	23891	44379	33560	12950	274576
Salmon, chinook.....	0	0	0	0	1079	3150	0	1449	0	23316	614	0	29608
Sanddab, Pacific.....	0	0	30	131	321	319	928	122	46	383	20	0	2300
Sculpin, buffalo.....	0	0	0	2	0	0	0	0	0	0	0	0	2
Shark, soupfin.....	0	0	32	37	129	0	11	21	0	30	0	0	260
Skates and rays.....	750	294	2420	3275	6141	3153	4727	1151	2566	3461	849	246	29033
Sole, curlfin (turbot)	0	0	27	9	0	0	0	0	0	1	0	0	37
Sole, Dover.....	363	5048	15860	20497	40642	27981	26974	22547	31701	50473	29580	11997	283663
Sole, English.....	334	533	4441	5663	1855	11879	23304	378	600	585	18	104	49694
Sole, petrale.....	13159	2815	10914	4241	10188	5531	5616	392	489	1948	1275	4794	61362
Sole, rex.....	271	340	2799	1514	1869	650	950	818	1755	2844	1386	938	16134

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1998.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rock.....	0	0	0	0	4	7	0	0	0	0	0	0	11
Sole, sand.....	0	0	0	8	20	0	0	0	6	0	0	0	34
Surfperch sp.....	0	0	663	744	0	0	182	0	0	0	0	0	1589
Swordfish.....	0	0	0	0	0	0	0	0	0	6388	6800	0	13188
Tuna, bluefin.....	0	0	0	0	0	0	0	0	0	0	6252	0	6252
Tuna, albacore.....	0	0	0	0	0	0	4266	26426	22540	8170	2500	17819	81721
Wolf-eel.....	0	0	4	0	15	0	21	11	3	0	0	0	54
Wrymouth, giant.....	0	0	0	4	0	0	0	0	0	0	0	0	4
CRUSTACEANS:													
Crab, Dungeness, ocean	96608	57522	58565	25694	8694	5508	6418	2058	0	0	0	2033294	2294361
Shrimp, coonstripe....	0	0	0	0	0	0	0	0	0	453	1386	318	2157
Shrimp, pink.....	0	0	0	75559	100547	26479	39095	64606	40124	26868	0	0	373278
Shrimp, spot.....	0	0	0	0	0	0	0	0	3547	3359	0	0	6906
MOLLUSKS:													
Octopus.....	62	12	268	124	267	157	96	0	13	8	0	658	1665
Scallops, rock.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Squid.....	0	0	0	0	0	0	0	430	236	34	0	0	700
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	0	6635	3837	849	726	2982	1886	0	0	0	0	16915
TOTAL	113705	81813	187319	255566	416993	209707	198808	185247	189885	257177	124976	2100612	4321808

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private hatcheries 1993-1998.

Table 62. Pounds of salmon harvested by Oregon private salmon hatcheries, 1998.

No private hatchery returns reported.

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1998.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CLACKAMAS													
Crayfish	0	0	0	0	0	997	464	631	0	0	0	0	2092
Lamprey, Pacific	0	0	0	0	0	4756	21714	609	0	0	0	0	27079
TOTAL	0	0	0	0	0	5753	22178	1240	0	0	0	0	29171
CLATSOP													
Crayfish	0	0	0	78	48	2089	3168	4489	4848	3006	0	0	17726
COLUMBIA													
Crayfish	0	0	0	0	0	2548	304	0	0	455	0	0	3307
JEFFERSON													
Crayfish	0	0	0	708	3260	0	0	0	0	0	0	0	3968
LAKE													
Shrimp, Brine	0	0	0	0	0	2300	7900	0	0	0	0	0	10200
MULTNOMAH													
Crayfish	0	0	0	0	0	305	1176	1714	4472	1153	0	0	8820
Lamprey, Pacific	0	0	0	0	0	0	1139	0	0	0	0	0	1139
TOTAL	0	0	0	0	0	305	2315	1714	4472	1153	0	0	9959
WASHINGTON													
Crayfish	0	0	0	0	0	1443	1412	0	0	0	0	0	2855
YAMHILL													
Crayfish	0	0	0	0	0	8713	5012	4172	1908	0	0	0	19805
TOTAL													
Carp	0	0	0	0	0	0	0	0	0	0	0	0	0
Crayfish	0	0	0	786	3308	16095	11536	11006	11228	4614	0	0	58573
Mussels, Freshwater	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific	0	0	0	0	0	4756	22853	609	0	0	0	0	28218
Shrimp, Brine	0	0	0	0	0	2300	7900	0	0	0	0	0	10200

Table 64. Oregon oyster production (gallons), 1989-98

Bay/Species	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<u>Tillamook Bay</u>										
Pacific oyster.....	26,052	13,782	6,150	6,985	6,231	4,498	4,069	5,494	9,650	4,166
<u>Netarts Bay</u>										
Pacific oyster.....	216	219	2,618	1,510	1,937	1,895	2,950	3,192	2,781	3,351
<u>Yaquina Bay</u>										
Pacific oyster.....	9,602	6,570	10,350	11,008	6,634	9,049	15,602	11,030	16,372	6,770
<u>Winchester Bay</u>										
Pacific oyster.....	--	--	--	--	--	--	--	--	5,481	4,767
<u>Coos Bay</u>										
Pacific oyster.....	4,115	4,722	4,062	3,323	4,645	6,155	5,767	4,344	3,826	2,712
TOTAL	39,985	25,293	23,180	22,826	19,447	21,597	28,388	24,060	38,110	21,766

SOURCE: Oregon Department of Agriculture