

1993

POUNDS AND VALUES

OF COMMERCIALY CAUGHT

FISH AND SHELLFISH

LANDED IN OREGON



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

by

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FOREWORD

The statistics presented in this publication provide information on the amount and value of commercial food fish landings in the State of Oregon in 1993. 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 assemble this material - the commercial fishing industry, wholesale fish and bait dealers and Oregon Department of Fish and Wildlife personnel. Data processing specialists prepared landing records for data entry and monitored the timeliness and accuracy of the records. Data entry personnel spent many hours entering the record information on the computer data base and Department management biologists reviewed the accuracy of the reported information.

CONTENTS

Forward.....	ii
Explanation of Tables.....	1
Fish species reported in the Oregon commercial catch.....	4
Type and number of commercial fishing licenses and permits issued, 1984-93.....	5
Commercial food fish landings, 1984-93.....	6
Commercial food fish ex-vessel value, 1984-93	11
Commercial food fish landings by port.....	16
Monthly landings of commercial food fish	20
Columbia River.....	24
Astoria	25
Gearhart/Seaside.....	27
Cannon Beach	27
Nehalem Bay	28
Garibaldi	29
Netarts Bay	30
Pacific City	31
Siletz Bay	31
Depoe Bay.....	32
Newport	33
Waldport.....	36
Yachats.....	36
Florence	37
Winchester Bay	39
Charleston	40
Bandon	42
Port Orford.....	43
Gold Beach.....	44
Brookings.....	45
Commercial food fish landings by gear.....	47
Commercial food fish ex-vessel value by gear	59
Monthly landings of commercial food fish by gear	71
Value of commercial food fish landings by port.....	85
Monthly value of commercial food fish landings	89
Columbia River.....	93
Astoria	94
Gearhart/Seaside.....	96
Cannon Beach	96
Nehalem	97
Garibaldi	98
Netarts Bay.....	99
Pacific City	100

Siletz Bay	100
Depoe Bay	101
Newport	102
Waldport	105
Yachats.....	105
Florence	106
Winchester Bay	108
Charleston	109
Bandon	111
Port Orford.....	112
Gold Beach.....	113
Brookings.....	114
Salmon harvested by Oregon private hatcheries	116
Freshwater species harvested in 1993 by month by county.....	117
Oregon oyster production, 1984-93.....	118
Appendix - Personal Income Contribution of the Commercial Fishing and Processing Industry to Communities on the Oregon Coast and to Oregon's Economy	119

EXPLANATION OF TABLES

Source of Data

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

Landings

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

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

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

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

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

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

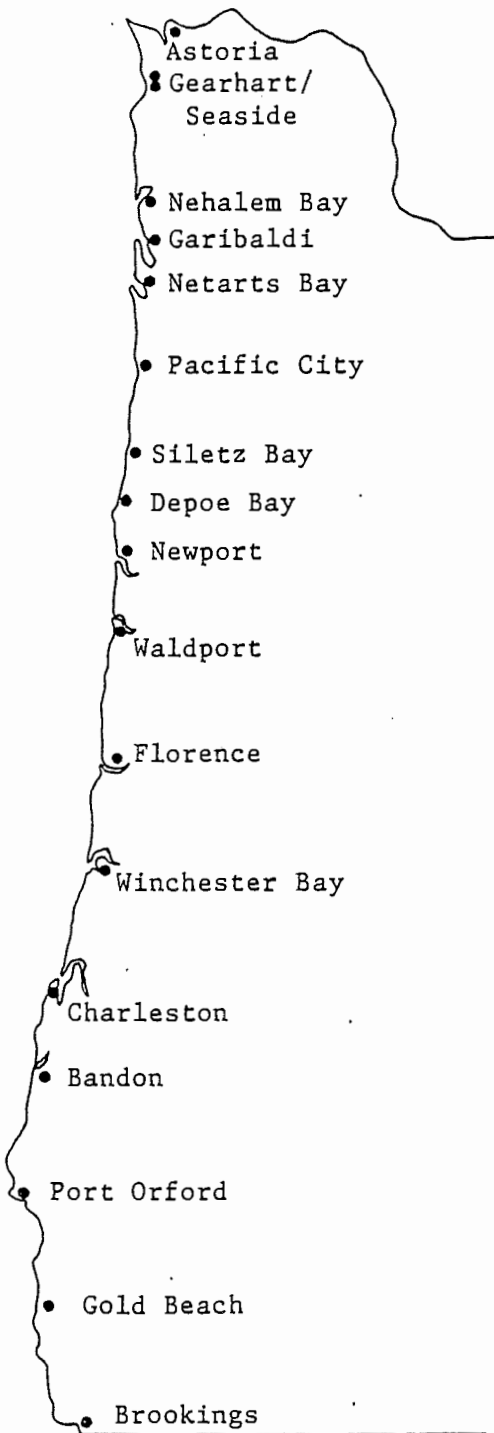


Figure 1. Oregon coastal ports

Landings of shortspine and longspine thornyheads are combined and reported by their scientific genus name *Sebastolobus*. Prior to 1984 they were included with other rockfish.

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 poundages 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 3 (Annual Landings, 1984-93) 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 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 2. Type and number of commercial fishing licenses and permits issued, 1984-93

Type	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Albacore tuna landing.....	81	48	51	50	76	55	46	32	91	120
Bait Fishing.....	97	106	122	112	131	113	118	108	96	70
Boat.....	2,078	2,982	3,072	3,109	3,529	3,508	3,388	2,959	—	—
Resident 1/.....	—	—	—	—	—	—	—	—	2263	2037
Non-resident 1/.....	—	—	—	—	—	—	—	—	653	520
Individual fishing.....	3,946	5,619	6,330	7,067	7,429	7,355	6,234	5,740	—	—
Resident 1/.....	—	—	—	—	—	—	—	—	3737	3378
Non-resident 1/.....	—	—	—	—	—	—	—	—	609	527
Single Delivery.....	113	165	406	678	136	108	77	103	174	184
Gillnet permit.....	436	373	370	370	356	356	355	354	350	344
Scallop permit.....	134	113	101	103	104	105	100	88	62	60
Shrimp permit.....	209	180	173	181	220	211	208	203	199	197
Troll permit.....	3,203	2,993	2,739	2,626	2,597	2,574	2,528	2,048	2112	1821
Sea Urchin permit	—	—	—	—	39	92	72	60	49	46
Bait dealers:										
Reporting.....	67	66	71	62	72	71	55	63	58	51
Non-reporting.....	27	34	33	27	27	30	28	29	26	23
Buyer.....	78	94	122	150	179	159	141	127	85	65
Canner, fish.....	7	8	6	7	11	7	8	9	9	7
Canner, shellfish.....	3	2	2	3	4	2	2	1	1	0
Limited fish seller 2/.....	—	2	31	37	57	77	85	65	86	71
Wholesale fish dealer:										
Reporting.....	180	181	168	167	171	188	170	160	124	113
Non-reporting.....	13	14	21	33	30	36	32	33	21	12
Private hatchery.....	8	9	7	6	6	6	4	4	0	1
Boat, lost license.....	11	18	23	30	31	35	29	22	11	12
Indiv. fishing, lost license.....	11	14	18	26	67	50	47	37	37	30
Permit fisheries, lost permit..	3/	3/	3/	37	28	29	22	11	10	6
TOTAL	10,702	13,021	13,866	14,881	15,300	15,167	13,749	12,256	10,863	9,735

1/ Effective 1992

2/ Effective 1985

3/ Not available

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1984-1993.

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
FISH:										
Anchovy, northern.....	0	31	0	0	26	30	0	0	0	2
Cabazon.....	2512	5681	10963	14051	24987	14765	11383	18339	15941	3226
Carp.....	0	0	0	11184	0	0	0	0	218	0
Cod, Pacific.....	175782	85401	67789	1468747	2280678	1720551	510279	1134083	917172	1084073
Dace, speckled.....	0	0	0	0	0	0	0	74	66	0
Flounder, arrowtooth..	919403	1539458	1107314	1631086	1414080	2505977	4000879	4604857	4543936	3657146
Flounder, starry.....	236979	789941	215869	218867	345650	443256	237846	718486	156589	164210
Greenling sp.....	0	0	0	0	177	169	7	50	35	183
Grenadier.....	0	0	0	462	46854	112981	191831	254024	310459	817038
Hagfish sp.....	0	0	0	0	25782	344187	167453	274535	751281	332779
Halibut, California...	0	0	0	0	0	0	0	0	16	0
Halibut, Pacific.....	1055044	812822	1313777	916022	582020	916024	622233	544446	711874	662687
Herring, Pacific.....	177452	163566	220300	493788	355890	546391	475634	430494	437200	168353
Lamprey, Pacific.....	3391	6381	4740	5633	10896	8366	14203	32221	9089	17858
Lingcod.....	2345214	2320901	1444563	1589771	2222190	2590810	1927614	3277404	1568033	1840715
Lord, brown Irish.....	0	0	0	0	0	2	1	8	0	2
Lord, red Irish.....	0	0	0	0	6	2	35	11	2	12
Mackerel.....	6724	13	4	3229	1403	10443	22679	43590	1716941	1226850
Marlin, striped.....	0	0	0	0	0	0	0	73	0	0
Minnow, fathead.....	0	0	0	0	0	0	0	7	69	405
Opah.....	0	0	89	1727	160	0	0	0	0	0
Pollock, walleye.....	880	310	1523	0	0	47	31	340	120	455
Pricklebck, monkeyface	250	71	487	0	0	0	0	0	0	0
Ratfish.....	0	0	0	0	28	110	24	167	253	98
Pacific Ocean perch...	1576824	1554767	1385049	1048384	1403168	1557365	1084209	1653609	1186075	1564342
Nominal POP.....	1472712	2378182	2093576	2046590	2980699	3046384	2991281	3428857	1980933	4410081
Rockfish, widow.....	11635817	9535857	9435395	13963484	12009023	15236547	12226558	9664121	11011727	14723070
Rockfish, yellowtail..	1/	2985880	3667900	3700306	4960998	4076729	4011601	3857810	8374166	6236643
Rockfish, other sp....	12231908 1/	10033146	7912485	10037674	9838085	11086159	7134485	10053750	8578115	8920922

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1984-1993. (CONT.)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Thornyhead sp.....	1785270	2361759	1399250	1480307	2209850	5564151	9980977	7718124	9438100	9833358
Sablefish.....	10666025	11624342	10261789	11551670	8999796	8704848	8230977	8667954	8726275	8660394
Salmon, chinook.....	1758947	3856605	6477250	11482797	11741177	7610539	4202224	1795575	1676951	1490397
Salmon, chum.....	10978	3560	8287	6821	14697	4164	3909	1298	2786	256
Salmon, coho.....	1181919	1822156	6936483	3058254	5697737	3836619	1041908	3421037	446454	207671
Salmon, pink.....	0	297429	12	100463	12	20295	0	8786	19	33
Salmon, sockeye.....	82495	143251	14311	124037	65036	59	0	0	11	0
Sanddab, Pacific.....	614479	395496	321095	468094	241914	162923	429616	690675	646542	622151
Sardine, Pacific.....	0	0	0	0	0	0	0	0	8568	517
Sculpin, buffalo.....	0	0	0	0	21	10	8	4	2	2
Sculpin, other sp.....	0	0	0	0	0	2	0	8	0	28
Shad, American.....	198414	140143	343154	365482	393621	194516	497513	141094	429634	423729
Shark, blue.....	0	0	0	0	0	0	56	97	125	356
Shark, sixgill.....	0	0	0	0	0	135	118	300	13	111
Shark, soupfin.....	7784	9087	7161	17511	3029	3264	3709	4719	4588	4123
Shark, spiny dogfish..	873	290	363	225	1110	698	15611	145405	121575	76843
Shark, thresher.....	0	2092	467550	101664	88957	30	655	0	1306	629
Shark, other sp.....	696	1616	1333	3645	67	159	92	40	0	527
Shiner, redbside.....	0	0	0	0	0	0	0	193	154	0
Skates and rays.....	59495	11385	22767	21421	4571	8319	2112	6352	3244	3464
Skilfish.....	0	0	0	0	0	0	0	0	147	0
Smelt (eulachon).....	5139	0	8718	0	0	19968	1068	1580	2644	27122
Smelt, whitebait.....	0	0	0	0	0	4512	0	188	0	0
Smelt, other sp.....	25412	673322	27918	48725	58971	9686	40	400	1627	336
Snailfish, blacktail..	0	0	0	0	0	0	0	0	0	44
Sole, butter.....	2252	707	1034	10617	691	2465	0	817	167	255
Sole, curlfin (turbot)	6908	4518	4752	9685	6328	5420	574	2507	848	3003
Sole, Dover.....	13472731	12585063	10623952	13353184	16925202	19638358	16553757	19428977	13399167	14293885
Sole, English.....	993103	1031237	1221130	1310569	1281272	1527272	1122209	1864935	1383963	1583218
Sole, flathead.....	11854	32132	5556	1311	20708	7252	17111	6288	18096	11697

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1984-1993. (CONT.)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Sole, petrale.....	1517840	1273559	1568374	1884519	1989500	1901739	1639907	2054029	1699928	1708468
Sole, rex.....	1210425	874431	629946	632021	734799	623183	500134	948308	730812	603366
Sole, rock.....	4630	1424	12862	2498	11383	5555	5018	3913	724	4218
Sole, sand.....	481734	485018	531913	500462	349569	487093	467730	634274	388724	465958
Sole, slender.....	0	5	0	0	0	0	0	0	0	0
Squawfish, northern...	0	0	0	0	0	42	0	36	32	0
Steelhead.....	562348	454332	360654	319411	267345	252099	163502	117564	237716	149371
Sturgeon, green.....	54870	31431	87823	67553	58028	10673	9528	27495	22357	23260
Sturgeon, white.....	401621	306687	485588	428330	231041	200472	184308	111602	152017	188783
Sturgeon, white - eggs	0	0	0	0	0	0	0	0	10	66
Sucker, bridgelip.....	0	0	0	0	0	0	0	139	331	0
Sucker, largescale....	0	0	0	0	0	28	0	0	14	0
Sunfish, ocean.....	70	0	0	0	50	0	0	0	0	0
Surfperch sp.....	4920	3314	4369	2539	5551	3710	4953	2201	3596	1676
Tomcod, Pacific.....	0	0	0	0	69	0	0	0	0	0
Tuna, albacore.....	1624055	1524601	2461004	2288045	3967120	1079657	2079312	1258818	3895618	4754450
Tuna, other sp.....	185	0	364	13	154	0	0	0	0	0
Walleye.....	0	0	0	0	0	7065	1268	1806	2984	2812
Whiting, Pac. (hake)..	745561	1950069	926681	402713	543196	195914	5058341	29108721	107939472	78969791
Wolf-eel.....	5067	6947	7064	9276	4857	4917	2994	1963	1507	595
Wrymouth, giant.....	0	0	0	254	560	121	142	355	389	268
Miscellaneous.....2/	271	223	1421	3947	227	0	0	0	0	0
CRUSTACEANS:										
Barnacle, gooseneck...	0	0	0	0	30	561	12	25	0	0
Crab, box.....	271881	93431	3060	24	0	412	8586	10460	620	832
Crab, Dungeness.....	5013455	7422901	4660672	5990869	9414002	11675901	9509817	4923571	11908102	10456154
Crab, hermit.....	0	0	0	0	0	0	21	17	0	30
Crab, kelp.....	0	0	0	0	0	0	0	0	8	461
Crab, mole.....	0	0	0	0	15	8	0	0	0	0

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1984-1993. (CONT.)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Crab, rock.....	1155	1552	1806	5321	7772	4037	4571	5302	287	285
Crab, tanner.....	0	48	0	121	0	16	0	9	9	2
Crayfish.....	104745	196241	217829	336279	299013	237990	169909	124034	93058	57426
Shrimp, brine.....	16500	20100	22400	23100	26600	29800	39300	28500	43700	43200
Shrimp, coonstripe....	0	0	0	0	0	0	0	44	0	0
Shrimp, ghost.....	115699	110134	75368	52470	70815	68040	72778	99327	100399	72262
Shrimp, mud.....	0	4663	53232	42273	40277	40995	51911	56022	51141	48300
Shrimp, pink.....	4843571	14855247	33883577	44589472	41846202	49128914	31882770	21711413	48033256	26923125
Shrimp, spot.....	0	0	0	0	0	74	0	0	0	40212
Water flea (Daphnia)..	0	0	0	0	0	3000	0	0	0	0
MOLLUSKS:										
Clams, butter.....	4842	1646	2862	3046	2492	3806	4604	3546	983	6382
Clams, cockle.....	17919	29412	32697	20202	30068	44344	45607	56129	37484	71907
Clams, gaper.....	50573	20121	16519	6368	3656	5164	10391	8660	9351	5464
Clams, littleneck....	46874	46266	27573	14140	6971	6032	7521	9446	10280	36632
Clams, softshell.....	366	1809	3558	2527	1596	1136	4633	8592	6237	7312
Clams, razor.....	5803	58253	2906	29197	33910	32177	13474	28580	0	62
Mussels, ocean.....	36198	40168	37494	48903	50656	65048	44445	31931	22472	22934
Mussels, freshwater...	3856	0	2378	3407	2564	3773	9946	4991	22715	2333
Octopus.....	12970	7682	9540	18771	46903	15318	17022	14844	20169	30349
Scallops, rock.....	0	0	0	0	0	220	24	0	29	0
Scallops, weathervane	3329234	819030	105523	13590	29226	0	1781	1021	1944	286194
Snails & chitons.....	0	0	0	0	0	0	0	14	0	14
Squid.....	946725	1751773	26371	29	5	96025	0	95	13344	130646
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	0	0	0	0	0	3	0	0
Sea anemone.....	0	0	0	0	0	0	0	32	0	0
Sea cucumber.....	0	0	0	0	0	0	0	1	0	5148
Sea stars.....	0	0	0	0	0	0	0	55	0	1290
Sea urchin, purple....	0	0	0	0	0	0	0	0	96883	34235

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1984-1993. (CONT.)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Sea urchin, red.....	0	0	55820	202799	1970963	7842658	9320868	4736872	2857392	2183266
Sea urchins, other sp	0	0	0	0	0	0	0	10	0	100
Bloodworms.....	0	0	0	0	0	28	0	0	0	0
Worms, tube.....	1333	2069	0	0	1570	1938	0	0	0	0
	84162962	99603185	113354936	138611976	148306322	165622642	139071638	150033479	256989410	210414938

1/ YELLOWTAIL ROCKFISH INCLUDED IN ROCKFISH, OTHER SP.

2/ INCLUDES MINK FOOD, WALLEYE AND INCIDENTAL SPECIES

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1984-1993.

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
FISH:										
Anchovy, northern.....	0	34	0	0	13	15	0	0	0	0
Cabezon.....	777	1274	2248	3038	7110	4354	4735	9435	7655	2055
Carp.....	0	0	0	1118	0	0	0	0	20	0
Cod, Pacific.....	45205	21740	18246	481583	625590	448314	130825	341619	306304	354692
Dace, speckled.....	0	0	0	0	0	0	0	148	68	0
Flounder, arrowtooth..	92031	154469	113219	238787	185739	242358	413558	527421	480458	357553
Flounder, starry.....	66432	224439	62743	74829	107107	133213	69209	210693	49744	48873
Greenling sp.....	0	0	0	0	121	99	4	166	31	426
Grenadier.....	0	0	0	60	7331	17920	21535	20790	23232	91544
Hagfish sp.....	0	0	0	0	9024	103256	49434	69952	167523	80786
Halibut, California...	0	0	0	0	0	0	0	0	44	0
Halibut, Pacific.....	800560	799284	1663179	1017882	873846	1302466	915808	1019534	827775	862125
Herring, Pacific.....	35157	243176	63053	236438	234041	267457	261308	172356	142710	42925
Lamprey, Pacific.....	630	2233	0	5633	1634	2950	3562	9017	2381	4028
Lingcod.....	585058	604400	442391	602693	799550	871307	652219	1083430	579369	671000
Lord, brown Irish.....	0	0	0	0	0	1	1	4	0	24
Lord, red Irish.....	0	0	0	0	1	1	14	2	15	149
Mackerel.....	638	1	1	535	365	1174	3694	2588	956	3518
Marlin, striped.....	0	0	0	0	0	0	0	310	0	0
Minnow, fathead.....	0	0	0	0	0	0	0	1	11	286
Opah.....	0	0	36	777	80	0	0	0	0	0
Pollock, walleye.....	221	62	61	0	0	5	3	47	24	148
Pricklebck, monkeyface	45	13	104	0	0	0	0	0	0	0
Ratfish.....	0	0	0	0	3	11	7	83	22	5
Pacific Ocean perch...	365066	393053	384278	348283	409526	432166	293148	497651	361251	480084
Nominal POP.....	306842	553919	549733	628299	804019	737407	763234	997904	526718	1139451
Rockfish, widow.....	2669839	2370142	2573024	4479950	3385946	3923316	3162354	2619408	2873690	3952699
Rockfish, yellowtail..	1/	757761	1009811	1195564	1398018	1099739	1103934	1164469	2608814	1949195
Rockfish, other sp....	2887695 1/	2595437	2324101	3472619	2899417	3134719	2177787	3290527	2892963	3088046

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1984-1993. (CONT).

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Thornyhead sp.....	423407	590471	395216	482735	780096	2050440	3867991	3518127	4094329	4380911
Sablefish.....	1704332	3334997	3593383	5084185	4349831	3834542	3587209	5228787	5712658	4753287
Salmon, chinook.....	3051415	6739449	8257436	21496898	26842749	10659401	8067575	2931283	3120564	2177299
Salmon, chum.....	5771	1278	2983	6412	10650	2144	2745	560	684	135
Salmon, coho.....	1377374	1794040	6706363	4911333	11710396	3454954	1381662	2824751	410281	171954
Salmon, pink.....	0	168007	6	69432	10	13111	0	4062	14	18
Salmon, sockeye.....	90870	154038	16448	186607	126280	30	0	0	7	0
Sanddab, Pacific.....	200063	120456	109827	171223	79358	41369	121140	217731	182641	183998
Sculpin, buffalo.....	0	0	0	0	2	1	1	5	5	3
Sculpin, other sp.....	0	0	0	0	0	1	0	1	0	75
Shad, American.....	25055	26161	65820	72841	93575	73650	87987	30336	76704	66728
Shark, blue.....	0	0	0	0	0	0	56	97	86	117
Shark, sixgill.....	0	0	0	0	0	74	89	150	7	52
Shark, soupfin.....	4155	4536	4761	12203	2751	3114	2716	3129	3657	2252
Shark, spiny dogfish..	0	29	77	83	191	333	2032	18562	4712	7229
Shark, thresher.....	0	2092	418389	155758	135189	49	541	0	1068	445
Shark, other sp.....	507	792	756	2887	39	95	187	31	0	724
Shiner, redbside.....	0	0	0	0	0	0	0	579	256	0
Skates and rays.....	10234	2694	5964	6714	1461	2654	638	2026	549	820
Skilfish.....	0	0	0	0	0	0	0	0	147	0
Smelt (eulachon).....	1105	0	1633	0	0	4194	854	1054	2270	6565
Smelt, whitebait.....	0	0	0	0	0	1451	0	56	0	0
Smelt, other sp.....	7607	97504	7265	12357	12286	1924	20	80	406	128
Sole, butter.....	437	172	216	2650	173	617	0	273	3	12
Sole, curlfin (turbot)	1928	1480	1635	3220	2232	1907	172	775	266	925
Sole, Dover.....	3193735	3159418	2826905	4183821	5216455	5472600	4531282	5974060	3739372	3879857
Sole, English.....	319973	342424	439727	533197	500736	562838	350404	619454	429459	472655
Sole, flathead.....	3861	10588	1977	494	7946	2755	5134	1923	4921	3540
Sole, petrale.....	1092850	935803	1198128	1552777	1661977	1589975	1358331	1688778	1358558	1307286
Sole, rex.....	401101	291065	225868	248298	285241	227305	159212	303914	219884	176327

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1984-1993. (CONT).

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Sole, rock.....	1435	389	4455	1061	3022	2112	1510	1205	254	1501
Sole, sand.....	295994	305618	346101	366779	261004	363872	347112	473235	278892	328726
Sole, slender.....	0	2	0	0	0	0	0	0	0	0
Squawfish, northern...	0	0	0	0	0	2	0	72	52	0
Steelhead.....	590805	212324	199135	351209	382736	136572	132840	71958	155989	76756
Sturgeon, green.....	25093	14946	43938	34320	32296	5444	6831	17542	10989	13432
Sturgeon, white.....	548411	447939	771315	714606	424259	385225	376839	219431	270484	258634
Sturgeon, white - eggs	0	0	0	0	0	0	0	0	800	1052
Sucker, bridgelip.....	0	0	0	0	0	0	0	139	228	0
Sucker, largescale....	0	0	0	0	0	1	0	0	7	0
Sunfish, ocean.....	0	0	0	0	5	0	0	0	0	0
Surfperch sp.....	2027	1963	1638	1748	3105	2810	3540	1748	3529	2458
Tomcod, Pacific.....	0	0	0	0	31	0	0	0	0	0
Tuna, albacore.....	863819	814322	903940	1675345	3327289	887241	1669613	975651	3968744	3881329
Tuna, other sp.....	184	0	125	9	65	0	0	0	0	0
Walleye.....	0	0	0	0	0	4649	1223	1362	2269	2164
Whiting, Pac. (hake)..	6192	163209	37551	33054	41183	14625	219501	1396758	5067451	2278648
Wolf-eel.....	1330	1485	1708	2304	1025	1471	946	535	689	339
Wrymouth, giant.....	0	0	0	95	58	18	19	114	83	20
Miscellaneous.....2/	123	14	2491	13541	534	0	0	0	0	0
CRUSTACEANS:										
Barnacle, gooseneck...	0	0	0	0	8	1938	7	19	0	0
Crab, box.....	145762	46588	1530	10	0	108	5120	6235	603	604
Crab, Dungeness.....	7743272	10740671	6588060	8351876	11276973	13564259	14554833	7462334	13387799	11798203
Crab, hermit.....	0	0	0	0	0	0	11	9	0	76
Crab, kelp.....	0	0	0	0	0	0	0	0	16	417
Crab, mole.....	0	0	0	0	70	8	0	0	0	0
Crab, rock.....	0	1552	0	5321	7772	4037	4643	4907	204	204
Crab, tanner.....	0	17	0	242	0	16	0	9	9	4
Crayfish.....	107039	201763	225500	470458	415895	318466	211411	149494	107171	66761

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1984-1993. (CONT).

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Shrimp, brine.....	24750	11250	22395	34650	39900	46260	62520	51300	37145	36720
Shrimp, coonstripe....	0	0	0	0	0	0	0	111	0	0
Shrimp, ghost.....	83922	237379	125400	135904	90038	97903	98412	150903	132328	89293
Shrimp, mud.....	0	12782	16084	64882	66198	67123	86745	91671	65308	61321
Shrimp, pink.....	2148290	5241302	18105897	30272202	17149668	17906265	15628757	12069476	17186998	8911606
Shrimp, spot.....	0	0	0	0	0	259	0	0	0	92642
Water flea (Daphnia)..	0	0	0	0	0	3000	0	0	0	0
MOLLUSKS:										
Clams, butter.....	1967	715	773	1422	1549	1547	1313	1722	1116	3003
Clams, cockle.....	6286	11734	12757	5704	12075	20643	24504	27644	17232	34671
Clams, gaper.....	15783	5492	3488	1573	1176	1750	4083	2993	5339	2682
Clams, littleneck....	48321	45219	28337	15716	8219	8951	11775	16285	16409	55556
Clams, softshell.....	103	705	16	524	554	450	3377	8564	4491	4788
Clams, razor.....	10417	114989	6058	64172	86831	87962	39487	73112	0	142
Mussels, ocean.....	4198	30161	2069	26478	20075	21871	14388	5071	5848	7583
Mussels, freshwater...	0	0	666	954	744	1094	2885	1447	15647	817
Octopus.....	5500	4151	5571	14199	31282	8625	11532	10366	21478	24140
Scallops, rock.....	0	0	0	0	0	10	1	0	203	0
Scallops, weathervane	1016881	327922	47588	6406	12017	0	767	413	1415	131468
Snails & chitons.....	0	0	0	0	0	0	0	2	0	28
Squid.....	199936	318577	2685	3	1	7683	0	29	1607	31242
OTHER INVERTEBRATES:										
Sand dollars.....	0	0	0	0	0	0	0	1	0	0
Sea anemone.....	0	0	0	0	0	0	0	1	0	0
Sea cucumber.....	0	0	0	0	0	0	0	1	0	6645
Sea stars.....	0	0	0	0	0	0	0	2	0	2509
Sea urchin, purple....	0	0	0	0	0	0	0	0	65849	20808
Sea urchin, red.....	0	0	14708	51360	571083	2728272	4413286	3455874	2212906	1909015
Sea urchins, other sp	0	0	0	0	0	0	0	1	0	100

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1984-1993. (CONT).

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Bloodworms.....	0	0	0	0	0	11	0	0	0	0
Worms, tube.....	5	535	0	0	314	773	0	0	0	0
TOTAL	33669821	45814646	61008990	94702340	97837159	77427102	71494182	62157885	74262867	60861061

1/ YELLOWTAIL ROCKFISH INCLUDED IN ROCKFISH, OTHER SP.

2/ INCLUDES MINK FOOD, WALLEYE AND INCIDENTAL SPECIES

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1993.

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	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Cabazon.....	0	40	15	325	1335	408	0	0	166	101	799	0	37	0	3226
Cod, Pacific.....	0	852857	49900	0	0	156419	9045	0	15852	0	0	0	0	0	1084073
Flounder, arrowtooth..	0	2927399	130732	0	0	278741	39	0	278683	0	0	2	41550	0	3657146
Flounder, starry.....	15	113365	7503	0	0	16899	1157	0	25216	0	0	0	55	0	164210
Greenling sp.....	0	0	0	0	0	131	0	0	0	0	0	0	52	0	183
Grenadier.....	0	8840	0	0	0	50	0	0	800426	0	290	0	7432	0	817038
Hagfish sp.....	0	17092	0	0	0	0	0	0	184077	0	131610	0	0	0	332779
Halibut, Pacific.....	0	512414	1751	342	834	88087	5820	4245	40929	0	2584	0	5681	0	662687
Herring, Pacific.....	0	3257	0	0	0	164596	0	500	0	0	0	0	0	0	168353
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	17858	17858
Lingcod.....	0	718432	85165	32938	9213	407588	2686	3014	423175	1105	26717	877	128011	1794	1840715
Lord, brown Irish.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Lord, red Irish.....	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12
Mackerel.....	0	315293	0	72	0	908035	0	0	3450	0	0	0	0	0	1226850
Minnow, fathead.....	0	0	0	0	0	0	0	0	0	0	0	0	0	405	405
Pollock, walleye.....	0	4	0	0	0	0	0	0	451	0	0	0	0	0	455
Ratfish.....	0	0	0	0	0	98	0	0	0	0	0	0	0	0	98
Pacific Ocean perch...	0	1086270	5490	0	0	454735	0	0	11400	0	4760	0	1687	0	1564342
Nominal POP.....	0	781784	342023	0	0	2263420	0	0	926683	0	0	5	96166	0	4410081
Rockfish, widow.....	0	5907302	486727	163	512	5113737	0	0	2667609	0	5726	970	540324	0	14723070
Rockfish, yellowtail..	0	3557469	342283	0	444	1433668	5130	1507	514421	0	174336	8943	198442	0	6236643
Rockfish, other sp....	0	2954638	386113	68834	56160	3113443	43780	10240	1330356	20704	360878	4930	567008	3838	8920922
Thornyhead sp.....	0	3298560	146825	0	0	1886252	0	1101	4056126	0	0	0	444494	0	9833358
Sablefish.....	0	2675841	175552	0	0	2070958	420917	59364	2347982	0	470142	0	439638	0	8660394
Salmon, chinook.....	615406	5806	81702	16941	5624	523491	72874	31087	96912	8067	29021	0	3014	452	1490397
Salmon, chum.....	256	0	0	0	0	0	0	0	0	0	0	0	0	0	256

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1993. (CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE	WINCHESTER				PORT	GOLD		OTHER 2/	TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
Salmon, coho.....	197233	7282	913	0	0	12	0	0	170	0	0	0	0	2061	207671
Salmon, pink.....	0	2	0	0	0	28	0	0	3	0	0	0	0	0	33
Sanddab, Pacific.....	0	59774	4900	0	0	76564	215100	0	253543	0	0	0	12270	0	622151
Sardine, Pacific.....	0	12	0	0	0	505	0	0	0	0	0	0	0	0	517
Sculpin, buffalo.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Sculpin, other sp.....	0	0	0	0	0	28	0	0	0	0	0	0	0	0	28
Shad, American.....	405420	6384	0	0	0	493	0	11432	0	0	0	0	0	0	423729
Shark, blue.....	0	70	0	0	0	56	0	0	127	0	38	0	65	0	356
Shark, sixgill.....	0	0	0	0	0	0	0	0	111	0	0	0	0	0	111
Shark, soupfin.....	0	2904	0	0	0	441	65	0	564	0	0	0	149	0	4123
Shark, spiny dogfish..	0	76007	0	0	0	836	0	0	0	0	0	0	0	0	76843
Shark, thresher.....	0	207	0	0	0	225	0	0	41	0	0	0	156	0	629
Shark, other sp.....	0	120	0	0	0	398	0	0	0	0	9	0	0	0	527
Skates and rays.....	0	19	32	0	27	2376	299	0	692	0	19	0	0	0	3464
Smelt (eulachon).....	27122	0	0	0	0	0	0	0	0	0	0	0	0	0	27122
Smelt, other sp.....	0	0	0	0	0	25	0	200	0	0	0	0	111	0	336
Snailfish, blacktail..	0	0	0	0	0	44	0	0	0	0	0	0	0	0	44
Sole, butter.....	0	6	95	0	0	0	0	0	154	0	0	0	0	0	255
Sole, curlfin (turbot)	0	0	0	0	0	1535	0	0	1468	0	0	0	0	0	3003
Sole, Dover.....	0	4402416	693112	0	0	2319689	3940	0	5575015	0	4	0	1299709	0	14293885
Sole, English.....	0	735496	56409	0	0	301780	13854	0	398485	0	0	0	77194	0	1583218
Sole, flathead.....	0	10747	0	0	0	950	0	0	0	0	0	0	0	0	11697
Sole, petrale.....	0	592863	110262	2	0	275549	13888	0	588748	0	0	0	127156	0	1708468
Sole, rex.....	0	324524	42447	0	0	127712	1759	0	59091	0	0	0	47833	0	603366
Sole, rock.....	0	618	0	0	0	1649	57	0	1894	0	0	0	0	0	4218
Sole, sand.....	0	176835	36684	0	0	143936	5934	0	102451	0	0	0	118	0	465958
Steelhead.....	149371	0	0	0	0	0	0	0	0	0	0	0	0	0	149371
Sturgeon, green.....	14921	708	46	0	0	2496	482	0	4607	0	0	0	0	0	23260
Sturgeon, white.....	188524	20	0	0	0	67	0	0	172	0	0	0	0	0	188783

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1993. (CONT.)

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD		OTHER 2/		TOTAL
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS	LOCATIONS	
Sturgeon, white - eggs	66	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Surfperch sp.....	0	0	0	0	0	807	0	0	0	0	0	0	869	0	1676
Tuna, albacore.....	0	1295267	114768	0	3248	2234048	48540	107660	802062	9390	25770	0	113697	0	4754450
Walleye.....	2812	0	0	0	0	0	0	0	0	0	0	0	0	0	2812
Whiting, Pac. (hake)..	0	22598314	0	0	0	56291978	763	0	78736	0	0	0	0	0	78969791
Wolf-eel.....	0	116	22	8	118	99	0	0	232	0	0	0	0	0	595
Wrymouth, giant.....	0	222	0	0	0	0	0	0	46	0	0	0	0	0	268
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	634	0	0	198	0	0	0	0	0	832
Crab, Dungeness, bay..	0	0	0	0	0	1348	363	8848	21135	0	0	0	0	23647	55341
Crab, Dungeness, ocean	0	3433802	436498	9874	137486	2498492	236557	377011	1214023	2027	306316	155	1748572	0	10400813
Crab, hermit.....	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30
Crab, kelp.....	0	0	0	0	0	461	0	0	0	0	0	0	0	0	461
Crab, rock.....	0	0	0	0	0	183	0	0	102	0	0	0	0	0	285
Crab, tanner.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	57426	57426
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	43200	43200
Shrimp, ghost.....	0	0	535	1378	0	0	3595	0	3095	0	0	0	0	63659	72262
Shrimp, mud.....	0	0	0	0	0	0	170	0	0	0	0	0	0	48130	48300
Shrimp, pink.....	0	8877845	3000931	0	0	5366487	15851	6554	5648374	0	46405	0	3960678	0	26923125
Shrimp, spot.....	0	0	39567	0	0	36	0	0	609	0	0	0	0	0	40212
MOLLUSKS:															
Clams, butter.....	0	0	6289	0	0	0	0	0	0	0	0	0	0	93	6382
Clams, cockle.....	0	0	65569	0	0	0	33	0	5491	0	0	0	0	814	71907
Clams, gaper.....	0	0	277	0	0	5067	0	0	120	0	0	0	0	0	5464
Clams, littleneck.....	0	0	4240	0	0	0	0	0	0	0	0	0	0	32392	36632
Clams, softshell.....	0	0	0	0	0	0	145	7107	0	0	0	0	0	60	7312
Clams, razor.....	0	0	0	0	0	62	0	0	0	0	0	0	0	0	62

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1993. (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
Mussels, ocean.....	0	0	0	0	0	0	360	19423	0	0	0	0	0	3151	22934
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0	0	0	0	2333	2333
Octopus.....	0	11459	385	0	108	3407	0	0	1851	0	1479	0	11660	0	30349
Scallops, weathervane	0	95709	0	0	0	133053	24	0	57408	0	0	0	0	0	286194
Snails & chitons.....	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Squid.....	0	316	0	0	0	925	0	0	129405	0	0	0	0	0	130646
OTHER INVERTEBRATES:															
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0	4812	336	0	0	5148
Sea stars.....	0	0	0	0	5	1285	0	0	0	0	0	0	0	0	1290
Sea urchin, purple....	0	0	0	0	28842	489	0	0	4904	0	0	0	0	0	34235
Sea urchin, red.....	0	0	0	0	162440	386359	0	0	147587	0	1099122	259937	127821	0	2183266
Sea urchins, other sp	0	0	50	0	0	50	0	0	0	0	0	0	0	0	100
TOTAL	1601146	68446729	6855812	130877	406396	89063482	1123227	649293	28826628	41394	2690837	276155	10001649	301313	210414938

1/ OREGON LANDINGS ONLY.

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

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

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Anchovy, northern.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Cabazon.....	74	194	223	244	545	744	426	372	272	109	11	12	3226
Cod, Pacific.....	39106	24793	22955	50608	210370	207397	156181	119461	98847	97846	44216	12293	1084073
Flounder, arrowtooth..	91265	118643	141968	156336	631636	892311	774529	363329	283181	116432	50718	36798	3657146
Flounder, starry.....	156	5894	22465	1012	12886	7551	16095	17454	47756	27829	4965	147	164210
Greenling sp.....	5	0	0	6	4	61	32	55	10	0	0	10	183
Grenadier.....	8319	9598	12538	32612	37444	75245	118031	72983	178501	160723	93079	17965	817038
Hagfish sp.....	0	9090	43789	42300	61350	52230	4110	0	8280	89700	21930	0	332779
Halibut, Pacific.....	0	0	0	15	149	182308	146697	190970	142548	0	0	0	662687
Herring, Pacific.....	0	163999	14	326	32	365	972	1806	839	0	0	0	168353
Lamprey, Pacific.....	0	0	0	0	0	848	13053	3957	0	0	0	0	17858
Lingcod.....	43260	78952	82800	48469	220631	232603	206779	275860	290410	206941	102194	51816	1840715
Lord, brown Irish.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Lord, red Irish.....	0	0	0	0	0	5	0	4	0	0	0	3	12
Mackerel.....	0	0	0	2326	8782	216388	367848	529903	98178	3395	0	30	1226850
Minnow, fathead.....	0	0	0	0	0	0	0	0	100	5	100	200	405
Pollock, walleye.....	65	3	0	7	0	0	0	4	0	0	376	0	455
Ratfish.....	0	0	0	0	96	0	0	0	2	0	0	0	98
Pacific Ocean perch...	77152	115708	110771	53535	163393	171726	152070	189049	164295	197123	113937	55583	1564342
Nominal POP.....	369480	303078	492660	235359	342310	271633	338512	419381	431329	632585	332540	241214	4410081
Rockfish, widow.....	1528923	1070611	1133382	1126953	1313540	1352838	1481812	1861491	1432242	1357335	945221	118722	14723070
Rockfish, yellowtail..	493611	522930	419654	332877	601110	787962	661112	715769	609112	573326	341577	177603	6236643
Rockfish, other sp....	388445	465646	663118	489407	1274265	1265066	1042639	862179	881929	907779	488408	192041	8920922
Thornyhead sp.....	549621	871507	707050	478781	790156	908903	897003	909616	1167672	1281582	1090492	180975	9833358
Sablefish.....	360894	464640	599988	305739	2913555	1012400	597382	683118	721643	537612	385864	77559	8660394
Salmon, chinook.....	0	6979	14016	4138	238540	159442	125800	163397	644498	119794	13793	0	1490397
Salmon, chum.....	0	0	0	0	0	0	0	0	0	256	0	0	256
Salmon, coho.....	0	56	0	0	0	0	794	7224	139323	60274	0	0	207671
Salmon, pink.....	0	0	0	0	20	3	5	5	0	0	0	0	33

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1993. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sanddab, Pacific.....	90895	115111	97216	26388	38828	51115	33595	22360	22478	32535	64238	27392	622151
Sardine, Pacific.....	0	0	0	489	0	5	11	12	0	0	0	0	517
Sculpin, buffalo.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sculpin, other sp.....	0	0	0	0	0	2	16	10	0	0	0	0	28
Shad, American.....	0	0	0	381	102867	315886	2568	1454	573	0	0	0	423729
Shark, blue.....	0	0	0	0	0	40	242	74	0	0	0	0	356
Shark, sixgill.....	0	25	45	0	0	0	10	0	0	0	31	0	111
Shark, soupfin.....	326	529	204	48	115	1689	239	32	127	342	218	254	4123
Shark, spiny dogfish..	0	0	0	48566	890	369	12584	4714	413	0	9239	68	76843
Shark, thresher.....	0	0	0	0	0	156	0	207	0	266	0	0	629
Shark, other sp.....	44	0	0	0	25	290	48	120	0	0	0	0	527
Skates and rays.....	205	531	524	169	164	121	148	746	217	245	335	59	3464
Smelt (eulachon).....	18	24664	2440	0	0	0	0	0	0	0	0	0	27122
Smelt, other sp.....	24	0	0	0	0	0	201	0	0	111	0	0	336
Snailfish, blacktail..	0	0	0	0	0	0	44	0	0	0	0	0	44
Sole, butter.....	0	0	0	0	0	101	0	32	122	0	0	0	255
Sole, curlfin (turbot)	0	0	0	0	0	1098	200	545	620	505	35	0	3003
Sole, Dover.....	1258738	1348957	2023873	691495	1022561	1137572	1263048	1289504	1527088	1506973	1072327	151749	14293885
Sole, English.....	108326	131571	111686	26227	169174	182627	271257	168666	144932	152639	48635	67478	1583218
Sole, flathead.....	0	0	0	2717	942	1871	1156	698	2447	947	919	0	11697
Sole, petrale.....	448781	205628	81274	30279	78551	93461	89658	64156	85603	137048	111205	282824	1708468
Sole, rex.....	39517	87262	37686	34811	59003	61867	56276	41297	54762	71020	31652	28213	603366
Sole, rock.....	14	0	144	154	30	186	206	791	972	1270	451	0	4218
Sole, sand.....	796	17475	33343	3284	44532	29476	53196	102039	131277	40131	9904	505	465958
Steelhead.....	0	1834	5545	0	0	0	0	36010	94335	11647	0	0	149371
Sturgeon, green.....	0	120	40	41	1491	842	721	475	16918	1957	655	0	23260
Sturgeon, white.....	89	34425	36639	218	780	18	25	992	105330	10267	0	0	188783
Sturgeon, white - eggs	0	60	6	0	0	0	0	0	0	0	0	0	66
Surfperch sp.....	12	0	47	177	0	33	400	493	161	40	0	313	1676
Tuna, albacore.....	0	0	0	0	0	0	185534	1250377	2670887	617123	30529	0	4754450

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1993. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Walleye.....	0	118	769	0	0	0	0	825	1076	24	0	0	2812
Whiting, Pac. (hake)..	0	0	9198	2154903	3068307	20923220	25985667	24420728	2407768	0	0	0	78969791
Wolf-eel.....	0	16	7	100	142	42	98	184	6	0	0	0	595
Wrymouth, giant.....	0	0	11	0	22	29	67	70	35	24	0	10	268
CRUSTACEANS:													
Crab, box.....	0	0	0	338	33	150	182	0	129	0	0	0	832
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	11317	28471	12609	2944	55341
Crab, Dungeness, ocean	1982906	1012727	268266	154128	205700	224876	379469	356494	1210	0	0	5815037	10400813
Crab, hermit.....	0	0	0	11	0	0	0	19	0	0	0	0	30
Crab, kelp.....	4	0	0	0	0	132	322	0	0	0	0	3	461
Crab, rock.....	0	0	0	0	0	0	42	0	134	25	0	84	285
Crab, tanner.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Crayfish.....	0	0	0	312	2626	18049	9368	8658	9574	8839	0	0	57426
Shrimp, brine.....	0	0	0	0	8500	15500	13200	6000	0	0	0	0	43200
Shrimp, ghost.....	3308	3743	4865	6158	8108	8814	6817	5195	7985	9783	3951	3535	72262
Shrimp, mud.....	9334	10684	9074	5174	2886	569	1025	658	922	1448	2843	3683	48300
Shrimp, pink.....	0	0	0	5373961	9742920	6552739	1321460	2042925	1157089	732031	0	0	26923125
Shrimp, spot.....	0	0	0	0	0	0	36	6383	7941	14215	7542	4095	40212
MOLLUSKS:													
Clams, butter.....	10	84	370	664	787	690	952	1652	439	193	441	100	6382
Clams, cockle.....	8516	12642	4612	5687	4249	7273	2915	923	980	972	12923	10215	71907
Clams, gaper.....	0	0	0	0	0	0	3119	560	0	800	25	960	5464
Clams, littleneck.....	131	136	319	1882	5108	5372	7615	7561	4763	3382	343	20	36632
Clams, softshell.....	400	470	652	710	868	1140	848	852	524	288	188	372	7312
Clams, razor.....	0	0	0	0	0	8	35	0	19	0	0	0	62
Mussels, ocean.....	0	2564	2252	1579	1754	1735	2860	3012	1780	2619	1174	1605	22934
Mussels, freshwater...	0	0	0	0	0	0	0	0	2333	0	0	0	2333
Octopus.....	3321	3932	2479	3046	3398	4067	4633	1990	1452	615	463	953	30349
Scallops, weathervane	0	0	891	0	0	0	0	21167	93708	92293	33251	44884	286194
Snails & chitons.....	0	0	0	0	0	0	14	0	0	0	0	0	14

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1993. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Squid.....	0	28	142	5	21	12217	499	117718	7	0	9	0	130646
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	0	0	3072	2076	0	0	0	5148
Sea stars.....	14	0	0	5	0	572	420	138	0	0	0	141	1290
Sea urchin, purple....	1020	0	0	0	0	0	5949	3076	15898	1187	6555	550	34235
Sea urchin, red.....	236497	227973	121036	116108	265937	191465	186322	148339	198682	174703	206075	110129	2183266
Sea urchins, other sp	0	0	0	0	0	0	0	50	0	0	50	0	100
TOTAL	8143622	7475630	7323046	12051265	23662133	37645519	37007201	37531440	16128076	10027624	5698236	7721146	210414938

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1993. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BELOW BONNEVILLE DAM													
FISH:													
Flounder, starry.....	0	0	15	0	0	0	0	0	0	0	0	0	15
Salmon, chinook.....	0	6979	14016	4138	8642	0	0	946	231175	23984	0	0	289880
Salmon, chum.....	0	0	0	0	0	0	0	0	0	256	0	0	256
Salmon, coho.....	0	0	0	0	0	0	0	3679	128425	59289	0	0	191393
Shad, American.....	0	0	0	0	97088	305508	0	0	0	0	0	0	402596
Smelt (eulachon).....	18	24664	2440	0	0	0	0	0	0	0	0	0	27122
Sturgeon, green.....	0	20	0	0	0	0	0	0	14849	52	0	0	14921
Sturgeon, white.....	0	8144	5313	218	756	0	0	219	105164	10241	0	0	130055
TOTAL	18	39807	21784	4356	106486	305508	0	4844	479613	93822	0	0	1056238
ABOVE BONNEVILLE DAM													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	58381	259021	8124	0	0	325526
Salmon, coho.....	0	56	0	0	0	0	0	40	4929	815	0	0	5840
Shad, American.....	0	0	0	0	0	2824	0	0	0	0	0	0	2824
Steelhead.....	0	1834	5545	0	0	0	0	36010	94335	11647	0	0	149371
Sturgeon, white.....	89	26281	31326	0	0	0	0	773	0	0	0	0	58469
Sturgeon, white - eggs	0	60	6	0	0	0	0	0	0	0	0	0	66
Walleye.....	0	118	769	0	0	0	0	825	1076	24	0	0	2812
TOTAL	89	28349	37646	0	0	2824	0	96029	359361	20610	0	0	544908
TOTAL	107	68156	59430	4356	106486	308332	0	100873	838974	114432	0	0	1601146

1/ OREGON LANDINGS ONLY.

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1993. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Anchovy, northern.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Cabezon.....	0	22	0	0	0	0	0	18	0	0	0	0	40
Cod, Pacific.....	27423	20137	20498	37972	177151	150103	118118	92713	76625	86020	36483	9614	852857
Flounder, arrowtooth..	57092	70915	96562	134393	572785	811354	670540	256200	180036	57218	14016	6288	2927399
Flounder, starry.....	28	5884	21201	980	7984	1547	8955	8531	31971	21817	4446	21	113365
Grenadier.....	0	0	0	0	0	679	480	994	222	3728	2583	154	8840
Hagfish sp.....	0	0	17092	0	0	0	0	0	0	0	0	0	17092
Halibut, Pacific.....	0	0	0	15	0	182169	19489	186225	124516	0	0	0	512414
Herring, Pacific.....	0	0	0	18	0	208	412	1780	839	0	0	0	3257
Lingcod.....	13264	26441	26980	28968	99545	79122	63154	96044	136672	83193	44855	20194	718432
Mackerel.....	0	0	0	8	0	59477	102946	123503	29359	0	0	0	315293
Pollock, walleye.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Pacific Ocean perch...	51202	75905	70072	27738	100035	125230	117141	150311	113239	148734	76674	29989	1086270
Nominal POP.....	3691	23898	31339	9468	51799	80760	79730	132659	131315	146597	55208	35320	781784
Rockfish, widow.....	538993	382617	527397	569109	508371	573618	624280	821699	602526	449019	264895	44778	5907302
Rockfish, yellowtail..	236348	317239	208190	142353	403849	547511	390888	393937	327227	301611	201392	86924	3557469
Rockfish, other sp....	148815	162624	294690	204516	424130	393458	267284	250972	248679	298616	196649	64205	2954638
Thornyhead sp.....	38433	189981	225657	119361	292475	379065	291810	369729	483422	498998	364541	45088	3298560
Sablefish.....	70747	161778	194173	103756	790804	342551	182369	214057	319715	178100	100983	16808	2675841
Salmon, chinook.....	0	0	0	0	2999	158	1093	619	634	303	0	0	5806
Salmon, coho.....	0	0	0	0	0	0	299	1633	5350	0	0	0	7282
Salmon, pink.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Sanddab, Pacific.....	1889	18230	15124	773	6752	4082	3003	1306	5987	1796	832	0	59774
Sardine, Pacific.....	0	0	0	0	0	0	0	12	0	0	0	0	12
Shad, American.....	0	0	0	381	225	1586	2319	1312	561	0	0	0	6384
Shark, blue.....	0	0	0	0	0	0	70	0	0	0	0	0	70
Shark, soupfin.....	184	439	86	0	26	1521	86	32	104	141	61	224	2904
Shark, spiny dogfish..	0	0	0	48566	362	285	12557	4650	354	0	9233	0	76007
Shark, thresher.....	0	0	0	0	0	0	0	207	0	0	0	0	207

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1993. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, other sp.....	0	0	0	0	0	0	0	120	0	0	0	0	120
Skates and rays.....	0	0	0	0	0	6	13	0	0	0	0	0	19
Sole, butter.....	0	0	0	0	0	6	0	0	0	0	0	0	6
Sole, Dover.....	227543	531730	876253	300394	453053	418540	308625	304659	370574	349973	235417	25655	4402416
Sole, English.....	22286	86340	48728	6029	103382	105180	155830	83978	44508	48997	19048	11190	735496
Sole, flathead.....	0	0	0	1767	942	1871	1156	698	2447	947	919	0	10747
Sole, petrale.....	123275	107103	21419	4936	28930	36016	21319	28448	49784	69784	27759	74090	592863
Sole, rex.....	10804	63159	21829	3857	46629	49286	38668	14391	22227	40145	6845	6684	324524
Sole, rock.....	0	0	130	0	0	0	0	0	488	0	0	0	618
Sole, sand.....	58	17206	33164	2658	19001	4387	19440	20175	38184	14539	8019	4	176835
Sturgeon, green.....	0	100	40	41	204	65	84	98	24	0	52	0	708
Sturgeon, white.....	0	0	0	0	0	0	0	0	20	0	0	0	20
Tuna, albacore.....	0	0	0	0	0	0	7435	298735	785653	178344	25100	0	1295267
Whiting, Pac. (hake)..	0	0	0	924696	306321	6530694	8057735	6019369	759499	0	0	0	22598314
Wolf-eel.....	0	9	0	6	55	6	8	32	0	0	0	0	116
Wrymouth, giant.....	0	0	0	0	14	29	67	70	20	12	0	10	222
CRUSTACEANS:													
Crab, Dungeness, ocean	407485	169071	66508	36406	34720	27414	20561	21298	1210	0	0	2649129	3433802
Shrimp, pink.....	0	0	0	1939115	3190923	2337470	598305	619138	122403	70491	0	0	8877845
MOLLUSKS:													
Octopus.....	233	632	305	274	2155	2674	2925	893	651	276	110	331	11459
Scallops, weathervane	0	0	0	0	0	0	0	4758	60695	30256	0	0	95709
Squid.....	0	28	142	4	10	14	3	106	0	0	9	0	316
OTHER INVERTEBRATES:													
TOTAL	1979793	2431488	2817579	4648558	7625631	13248144	12189197	10526115	5077740	3079655	1696129	3126700	68446729

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

2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

TABLE 7A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SEASIDE/GEARHART, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	0	0	0	12	0	0	0	12
Rockfish, other sp....	0	0	0	0	0	0	0	0	93	0	0	0	93
Salmon, chinook.....	0	0	0	0	0	0	24	70	0	0	0	0	94
Salmon, coho.....	0	0	0	0	0	0	169	95	0	0	0	0	264
TOTAL	0	0	0	0	0	0	193	165	105	0	0	0	463

TABLE 7B. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CANNON BEACH, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	29	1221	527	5	0	0	0	1782
Rockfish, other sp....	0	0	0	0	0	741	1894	801	309	0	0	0	3745
Salmon, chinook.....	0	0	0	0	0	0	165	149	44	0	0	0	358
Salmon, coho.....	0	0	0	0	0	0	192	1415	190	0	0	0	1797
MOLLUSKS:													
Mussels, ocean.....	0	0	47	89	94	205	378	200	295	180	69	0	1557
TOTAL	0	0	47	89	94	975	3850	3092	843	180	69	0	9239

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0	50	20	70
Shrimp, ghost.....	40	36	54	76	140	123	110	90	218	1281	612	61	2841
Shrimp, mud.....	0	14	0	0	0	0	0	0	0	0	0	0	14
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	0	0	0	0	93	0	0	93
Clams, littleneck.....	0	0	125	1157	4787	4642	6919	7002	4238	3382	140	0	32392
Clams, softshell.....	0	6	54	0	0	0	0	0	0	0	0	0	60
Mussels, ocean.....	0	0	0	0	5	0	0	0	0	0	0	0	5
TOTAL	40	56	233	1233	4932	4765	7029	7092	4456	4756	802	81	35475

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	15	0	0	0	0	0	0	0	15
Cod, Pacific.....	973	3949	1093	789	8140	2245	13676	9987	3458	4159	825	606	49900
Flounder, arrowtooth..	12801	15011	8450	0	914	541	17950	27169	19835	11917	11783	4361	130732
Flounder, starry.....	0	0	0	0	2268	857	638	950	2617	173	0	0	7503
Halibut, Pacific.....	0	0	0	0	0	0	1751	0	0	0	0	0	1751
Lingcod.....	1777	3887	1667	231	4049	2106	33504	28625	3938	3290	925	1166	85165
Pacific Ocean perch...	0	0	0	0	0	0	0	0	1798	0	2537	1155	5490
Nominal POP.....	21474	46123	19446	10245	27958	15898	47408	42794	40681	51426	7256	11314	342023
Rockfish, widow.....	62486	95897	40381	9423	5569	12323	32015	72447	60018	44802	41143	10223	486727
Rockfish, yellowtail..	58405	57256	50996	13465	13115	6308	11529	45791	29520	23760	15702	16436	342283
Rockfish, other sp....	13916	16847	16451	16098	111957	90889	17239	33324	27095	27662	10466	4169	386113
Thornyhead sp.....	12972	7366	4565	0	1691	378	24046	18959	30989	33370	9644	2845	146825
Sablefish.....	17933	16106	8542	32	5502	1672	28760	29561	31866	16796	14701	4081	175552
Salmon, chinook.....	0	0	0	0	2104	1003	6905	5621	33523	32546	0	0	81702
Salmon, coho.....	0	0	0	0	0	0	134	350	429	0	0	0	913
Sanddab, Pacific.....	0	0	0	91	878	2761	931	34	0	205	0	0	4900
Skates and rays.....	0	0	0	0	32	0	0	0	0	0	0	0	32
Sole, butter.....	0	0	0	0	0	95	0	0	0	0	0	0	95
Sole, Dover.....	67958	39445	22582	1042	18786	13207	120778	107711	147092	68579	76301	9631	693112
Sole, English.....	2529	1632	521	232	6345	1163	24776	3548	1911	8643	2504	2605	56409
Sole, petrale.....	38871	4007	723	134	3617	1480	10767	3167	1506	3987	8861	33142	110262
Sole, rex.....	4712	3182	1535	36	654	753	8509	5308	8271	4503	2495	2489	42447
Sole, sand.....	0	0	0	0	6217	2114	2303	4235	20493	1322	0	0	36684
Sturgeon, green.....	0	0	0	0	23	23	0	0	0	0	0	0	46
Tuna, albacore.....	0	0	0	0	0	0	225	13166	92291	9086	0	0	114768
Wolf-eel.....	0	0	0	0	10	0	0	12	0	0	0	0	22
CRUSTACEANS:													
Crab, Dungeness, ocean	69892	51235	28581	23351	58113	34694	35595	14041	0	0	0	120996	436498

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, ghost.....	0	18	80	69	68	111	82	64	0	43	0	0	535
Shrimp, pink.....	0	0	0	579739	1726531	593242	21585	63872	1170	14792	0	0	3000931
Shrimp, spot.....	0	0	0	0	0	0	0	6383	7941	14215	7542	3486	39567
MOLLUSKS:													
Clams, butter.....	10	84	370	664	787	690	952	1652	439	100	441	100	6289
Clams, cockle.....	8443	11545	2722	4308	3561	7160	2016	724	980	972	12923	10215	65569
Clams, gaper.....	0	0	0	0	0	0	277	0	0	0	0	0	277
Clams, littleneck.....	131	136	194	725	321	730	696	559	525	0	203	20	4240
Octopus.....	0	0	0	0	0	0	0	0	5	0	317	63	385
OTHER INVERTEBRATES:													
Sea urchins, other sp	0	0	0	0	0	0	0	0	0	0	50	0	50
TOTAL	395283	373726	208899	660674	2009225	792443	465047	540054	568391	376348	226619	239103	6855812

TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	0	170	170	0	0	0	0	0	0	0	0	340
Shrimp, mud.....	9316	10645	8988	5134	2788	494	1025	658	922	1448	2837	3674	47929
MOLLUSKS:													
Clams, cockle.....	0	19	0	0	0	0	0	0	0	0	0	0	19
TOTAL	9316	10664	9158	5304	2788	494	1025	658	922	1448	2837	3674	48288

TABLE 11. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PACIFIC CITY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	8	0	0	0	0	0	38	138	96	34	11	0	325
Halibut, Pacific.....	0	0	0	0	0	0	342	0	0	0	0	0	342
Lingcod.....	4300	4796	6871	320	2517	3837	5111	1933	2319	710	224	0	32938
Mackerel.....	0	0	0	0	22	0	50	0	0	0	0	0	72
Rockfish, widow.....	0	0	0	0	0	0	163	0	0	0	0	0	163
Rockfish, other sp....	761	1232	3265	1079	7436	16849	12314	9791	14366	1726	15	0	68834
Salmon, chinook.....	0	0	0	0	4127	1355	258	1001	8738	1462	0	0	16941
Sole, petrale.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Wolf-eel.....	0	0	0	0	8	0	0	0	0	0	0	0	8
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	0	0	476	961	4598	3839	0	0	0	0	9874
Shrimp, ghost.....	86	72	48	49	167	148	103	0	230	320	82	73	1378
TOTAL	5155	6100	10184	1448	14753	23150	22977	16704	25749	4252	332	73	130877

TABLE 12. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SILETZ BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	21	18	21	21	27	12	0	0	0	0	0	120
TOTAL	0	21	18	21	21	27	12	0	0	0	0	0	120

TABLE 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEPOE BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	52	152	240	276	177	109	193	61	75	0	0	1335
Halibut, Pacific.....	0	0	0	0	0	0	834	0	0	0	0	0	834
Lingcod.....	123	993	528	656	1311	1308	854	612	763	1793	272	0	9213
Rockfish, widow.....	0	512	0	0	0	0	0	0	0	0	0	0	512
Rockfish, yellowtail..	0	0	0	0	444	0	0	0	0	0	0	0	444
Rockfish, other sp....	0	1116	3576	2405	9281	5572	5087	5993	5936	10500	6053	641	56160
Salmon, chinook.....	0	0	0	0	504	285	1772	1033	645	1131	254	0	5624
Skates and rays.....	0	0	0	0	0	0	27	0	0	0	0	0	27
Tuna, albacore.....	0	0	0	0	0	0	0	451	2797	0	0	0	3248
Wolf-eel.....	0	0	0	40	30	6	16	26	0	0	0	0	118
CRUSTACEANS:													
Crab, Dungeness, ocean	43649	20914	7241	7375	9987	7529	6759	10754	0	0	0	23278	137486
MOLLUSKS:													
Octopus.....	72	0	0	0	6	0	30	0	0	0	0	0	108
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	0	0	0	5	0	0	0	0	5
Sea urchin, purple....	1020	0	0	0	0	0	5460	3076	10994	1187	6555	550	28842
Sea urchin, red.....	5496	11191	11282	9434	36606	20326	12871	22117	17598	11735	1704	2080	162440
TOTAL	50360	34778	22779	20150	58445	35203	33819	44260	38794	26421	14838	26549	406396

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	37	0	0	0	27	217	6	115	0	0	6	408
Cod, Pacific.....	1708	664	1185	11464	24475	44960	23462	16098	17810	6277	6499	1817	156419
Flounder, arrowtooth..	3699	11156	15736	10694	36895	42884	49892	37452	43162	17992	4956	4223	278741
Flounder, starry.....	121	10	1212	12	1672	1042	2981	2989	3223	3118	519	0	16899
Greenling sp.....	5	0	0	6	0	48	15	47	0	0	0	10	131
Grenadier.....	0	0	0	0	0	0	0	0	0	50	0	0	50
Halibut, Pacific.....	0	0	0	0	149	139	65022	4745	18032	0	0	0	88087
Herring, Pacific.....	0	163999	14	308	32	157	60	26	0	0	0	0	164596
Lingcod.....	8088	13935	18743	9457	78856	81650	43971	43229	52134	31834	18988	6703	407588
Lord, brown Irish.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Lord, red Irish.....	0	0	0	0	0	5	0	4	0	0	0	3	12
Mackerel.....	0	0	0	2318	8715	156911	264852	406390	68819	0	0	30	908035
Ratfish.....	0	0	0	0	96	0	0	0	2	0	0	0	98
Pacific Ocean perch...	25950	38400	40699	23726	55436	43864	34929	38120	49258	46520	33834	23999	454735
Nominal POP.....	285223	185184	368686	180589	212836	78391	113406	136698	165578	236918	179995	119916	2263420
Rockfish, widow.....	651658	307513	357302	352857	455671	410504	479324	460087	522860	611812	454308	49841	5113737
Rockfish, yellowtail..	142633	98195	111096	80954	127533	158117	146656	136980	147135	154180	92736	37453	1433668
Rockfish, other sp....	84212	180018	199380	183694	488421	475193	456694	244296	267386	309149	155352	69648	3113443
Thornyhead sp.....	157150	259323	123355	63882	247514	131432	151154	161534	183114	209369	156895	41530	1886252
Sablefish.....	77129	105549	130132	59452	782068	282354	128687	160031	131422	121296	75078	17760	2070958
Salmon, chinook.....	0	0	0	0	174589	118061	97331	61971	44870	23868	2801	0	523491
Salmon, coho.....	0	0	0	0	0	0	0	12	0	0	0	0	12
Salmon, pink.....	0	0	0	0	17	3	5	3	0	0	0	0	28
Sanddab, Pacific.....	11478	16546	8060	7583	3177	1323	11985	1044	2831	6412	3453	2672	76564
Sardine, Pacific.....	0	0	0	489	0	5	11	0	0	0	0	0	505
Sculpin, buffalo.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sculpin, other sp....	0	0	0	0	0	2	16	10	0	0	0	0	28
Shad, American.....	0	0	0	0	0	90	249	142	12	0	0	0	493
Shark, blue.....	0	0	0	0	0	20	36	0	0	0	0	0	56

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, soupfin.....	0	0	77	0	63	23	83	0	0	35	130	30	441
Shark, spiny dogfish..	0	0	0	0	528	84	27	64	59	0	6	68	836
Shark, thresher.....	0	0	0	0	0	0	0	0	0	225	0	0	225
Shark, other sp.....	44	0	0	0	25	290	39	0	0	0	0	0	398
Skates and rays.....	205	531	257	169	132	115	108	94	147	224	335	59	2376
Smelt, other sp.....	24	0	0	0	0	0	1	0	0	0	0	0	25
Snailfish, blacktail..	0	0	0	0	0	0	44	0	0	0	0	0	44
Sole, curlfin (turbot)	0	0	0	0	0	461	101	187	531	220	35	0	1535
Sole, Dover.....	147970	140213	192702	143369	251790	234025	224849	223874	247809	332093	141947	39048	2319689
Sole, English.....	27896	13147	20711	8159	27271	23581	34645	41462	40619	47097	11554	5638	301780
Sole, flathead.....	0	0	0	950	0	0	0	0	0	0	0	0	950
Sole, petrale.....	24407	20669	29054	15877	31401	29655	18351	11370	12688	36166	18589	27322	275549
Sole, rex.....	11542	11737	7171	29205	8903	7647	5415	6272	11561	14884	6314	7061	127712
Sole, rock.....	0	0	0	114	0	94	193	123	410	298	417	0	1649
Sole, sand.....	109	269	0	81	16386	20430	17694	46608	26408	14113	1812	26	143936
Sturgeon, green.....	0	0	0	0	178	40	280	107	139	1181	571	0	2496
Sturgeon, white.....	0	0	0	0	24	18	25	0	0	0	0	0	67
Surfperch sp.....	12	0	0	0	0	33	400	49	0	0	0	313	807
Tuna, albacore.....	0	0	0	0	0	0	124759	650820	1187794	266182	4493	0	2234048
Whiting, Pac. (hake)..	0	0	0	1171841	2750051	14392526	17927932	18401359	1648269	0	0	0	56291978
Wolf-eel.....	0	7	0	45	7	7	25	8	0	0	0	0	99
CRUSTACEANS:													
Crab, box.....	0	0	0	140	33	150	182	0	129	0	0	0	634
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	163	599	586	1348
Crab, Dungeness, ocean	375455	120316	47105	37365	43052	83965	139505	130309	0	0	0	1521420	2498492
Crab, hermit.....	0	0	0	11	0	0	0	19	0	0	0	0	30
Crab, kelp.....	4	0	0	0	0	132	322	0	0	0	0	3	461
Crab, rock.....	0	0	0	0	0	0	42	0	32	25	0	84	183
Crab, tanner.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Shrimp, pink.....	0	0	0	234078	2262919	1773472	329431	478025	208176	80386	0	0	5366487

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, spot.....	0	0	0	0	0	0	36	0	0	0	0	0	36
MOLLUSKS:													
Clams, gaper.....	0	0	0	0	0	0	2747	560	0	800	0	960	5067
Clams, razor.....	0	0	0	0	0	8	35	0	19	0	0	0	62
Octopus.....	413	369	42	352	109	109	1208	274	192	90	36	213	3407
Scallops, weathervane	0	0	0	0	0	0	0	16409	33013	62013	21618	0	133053
Snails & chitons.....	0	0	0	0	0	0	14	0	0	0	0	0	14
Squid.....	0	0	0	1	11	248	496	162	7	0	0	0	925
OTHER INVERTEBRATES:													
Sea stars.....	14	0	0	5	0	572	420	133	0	0	0	141	1285
Sea urchin, purple....	0	0	0	0	0	0	489	0	0	0	0	0	489
Sea urchin, red.....	0	0	0	0	37204	135083	132450	50229	19753	11640	0	0	386359
Sea urchins, other sp	0	0	0	0	0	0	0	50	0	0	0	0	50
TOTAL	2037149	1687787	1672719	2629247	8128239	18729954	21033305	21970481	5155518	2646630	1393870	1978583	89063482

TABLE 15. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WALDPOR, 1993.

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	6234	13562	3161	620	23577
Shrimp, ghost.....	2929	3353	4203	5486	6675	6416	5841	4702	6867	7604	3092	3190	60358
Shrimp, mud.....	18	25	86	40	3	0	0	0	0	0	6	9	187
MOLLUSKS:													
Clams, cockle.....	0	0	0	795	0	0	0	0	0	0	0	0	795
Mussels, ocean.....	0	0	0	0	75	0	262	0	0	0	0	0	337
TOTAL	2947	3378	4289	6321	6753	6416	6103	4702	13101	21166	6259	3819	85254

TABLE 15A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT YACHATS, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Mussels, ocean.....	0	765	0	0	0	0	0	487	0	0	0	0	1252
TOTAL	0	765	0	0	0	0	0	487	0	0	0	0	1252

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	8835	0	0	194	6	0	0	0	0	0	10	0	9045
Flounder, arrowtooth..	0	0	0	39	0	0	0	0	0	0	0	0	39
Flounder, starry.....	0	0	0	0	0	0	0	225	461	471	0	0	1157
Halibut, Pacific.....	0	0	0	0	0	0	5820	0	0	0	0	0	5820
Lingcod.....	0	0	47	276	503	308	1097	193	108	154	0	0	2686
Rockfish, yellowtail..	360	0	0	49	0	146	736	2514	0	0	1325	0	5130
Rockfish, other sp....	187	0	23	336	824	3081	10118	12032	10427	4740	2012	0	43780
Sablefish.....	0	0	6	630	351980	68227	0	74	0	0	0	0	420917
Salmon, chinook.....	0	0	0	0	6201	10722	9283	18724	19446	8498	0	0	72874
Sanddab, Pacific.....	23306	42940	29783	17799	27324	30012	11784	8973	7024	8956	7199	0	215100
Shark, soupfin.....	0	22	0	12	0	0	31	0	0	0	0	0	65
Skates and rays.....	0	0	267	0	0	0	0	0	32	0	0	0	299
Sole, Dover.....	74	60	130	1520	690	815	119	532	0	0	0	0	3940
Sole, English.....	746	545	411	2125	3274	1046	1547	788	1361	1886	125	0	13854
Sole, petrale.....	817	542	1161	4489	1876	1078	1439	468	1079	889	50	0	13888
Sole, rex.....	557	214	6	34	0	678	0	0	232	38	0	0	1759
Sole, rock.....	0	0	0	0	0	49	0	0	8	0	0	0	57
Sole, sand.....	0	0	0	0	36	61	0	1306	2173	2325	33	0	5934
Sturgeon, green.....	0	0	0	0	0	0	0	0	247	203	32	0	482
Tuna, albacore.....	0	0	0	0	0	0	46	7815	34486	6193	0	0	48540
Whiting, Pac. (hake)..	0	0	0	366	397	0	0	0	0	0	0	0	763
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	314	49	0	0	363
Crab, Dungeness, ocean	20412	12603	7070	6714	4820	23036	59920	66343	0	0	0	35639	236557
Shrimp, ghost.....	0	0	95	122	740	1556	285	60	354	338	45	0	3595
Shrimp, mud.....	0	0	0	0	95	75	0	0	0	0	0	0	170
Shrimp, pink.....	0	0	0	8251	7600	0	0	0	0	0	0	0	15851

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	33	0	0	0	0	0	0	33
Clams, softshell.....	0	20	35	90	0	0	0	0	0	0	0	0	145
Mussels, ocean.....	0	50	75	50	60	50	50	0	0	0	25	0	360
Scallops, weathervane	0	0	0	0	0	0	0	0	0	24	0	0	24
TOTAL	55294	56996	39109	43096	406426	140973	102275	120047	77752	34764	10856	35639	1123227

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	4245	0	0	0	0	0	4245
Herring, Pacific.....	0	0	0	0	0	0	500	0	0	0	0	0	500
Lingcod.....	234	200	7	0	689	638	223	10	135	459	355	64	3014
Rockfish, yellowtail..	0	0	0	0	0	0	1507	0	0	0	0	0	1507
Rockfish, other sp....	80	65	244	0	2655	2663	3554	444	210	276	45	4	10240
Thornyhead sp.....	0	1101	0	0	0	0	0	0	0	0	0	0	1101
Sablefish.....	0	0	0	0	17678	41355	331	0	0	0	0	0	59364
Salmon, chinook.....	0	0	0	0	14356	7725	2445	2269	3539	753	0	0	31087
Shad, American.....	0	0	0	0	5554	5878	0	0	0	0	0	0	11432
Smelt, other sp.....	0	0	0	0	0	0	200	0	0	0	0	0	200
Tuna, albacore.....	0	0	0	0	0	0	2599	51892	33168	20001	0	0	107660
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	2121	3819	2793	115	8848
Crab, Dungeness, ocean	53899	24595	13843	7884	12745	18275	52039	47231	0	0	0	146500	377011
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	6554	0	0	6554
MOLLUSKS:													
Clams, softshell.....	400	444	563	620	868	1140	848	852	524	288	188	372	7107
Mussels, ocean.....	0	1749	2130	1440	1520	1480	2170	2325	1485	2439	1080	1605	19423
TOTAL	54613	28154	16787	9944	56065	79154	70661	105023	41182	34589	4461	148660	649293

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	10	26	0	0	109	8	7	0	0	0	6	166
Cod, Pacific.....	167	43	179	189	598	10089	925	663	954	1390	399	256	15852
Flounder, arrowtooth..	16545	18276	19379	10867	19764	36182	31779	30598	30395	26521	16451	21926	278683
Flounder, starry.....	7	0	37	20	907	4105	3521	4759	9484	2250	0	126	25216
Grenadier.....	8319	9598	12538	31300	37389	74431	115682	71989	174967	156395	90007	17811	800426
Hagfish sp.....	0	9090	26697	20910	33900	28320	4110	0	0	47370	13680	0	184077
Halibut, Pacific.....	0	0	0	0	0	0	40929	0	0	0	0	0	40929
Lingcod.....	11021	27302	23569	6371	28253	55514	26586	58054	69568	64053	29654	23230	423175
Mackerel.....	0	0	0	0	45	0	0	10	0	3395	0	0	3450
Pollock, walleye.....	65	3	0	7	0	0	0	0	0	0	376	0	451
Pacific Ocean perch...	0	1403	0	2071	3180	927	0	618	0	1869	892	440	11400
Nominal POP.....	57749	47234	73129	34183	46217	88055	70587	84605	83698	183174	83388	74664	926683
Rockfish, widow.....	260180	280501	173856	100758	305498	353823	251836	442283	154208	187986	142800	13880	2667609
Rockfish, yellowtail..	33284	47052	43184	37440	55856	58868	18868	60182	47760	56814	19759	35354	514421
Rockfish, other sp....	65928	62585	115016	61025	132643	201470	111261	165492	146076	150464	77141	41255	1330356
Thornyhead sp.....	318349	401923	335572	248327	222333	283906	399538	318794	419415	497861	519663	90445	4056126
Sablefish.....	180503	164146	239376	117329	432931	219191	210194	203432	180369	195182	167054	38275	2347982
Salmon, chinook.....	0	0	0	0	23435	19988	6524	11650	30646	4520	149	0	96912
Salmon, coho.....	0	0	0	0	0	0	0	0	0	170	0	0	170
Salmon, pink.....	0	0	0	0	3	0	0	0	0	0	0	0	3
Sanddab, Pacific.....	54222	37395	44226	97	540	11175	811	7505	5469	14684	52699	24720	253543
Shark, blue.....	0	0	0	0	0	20	71	36	0	0	0	0	127
Shark, sixgill.....	0	25	45	0	0	0	10	0	0	0	31	0	111
Shark, soupfin.....	142	68	41	36	26	115	39	0	0	97	0	0	564
Shark, thresher.....	0	0	0	0	0	0	0	0	0	41	0	0	41
Skates and rays.....	0	0	0	0	0	0	0	633	38	21	0	0	692
Sole, butter.....	0	0	0	0	0	0	0	32	122	0	0	0	154
Sole, curlfin (turbot)	0	0	0	0	0	637	99	358	89	285	0	0	1468
Sole, Dover.....	695826	541853	835605	184332	220214	419892	482446	429710	555689	653287	479857	76304	5575015

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, English.....	54668	29260	41251	9661	27511	45995	27280	26967	34109	39139	14599	48045	398485
Sole, petrale.....	224175	52267	28088	4758	12408	17785	8209	10334	13065	19754	49635	148270	588748
Sole, rex.....	5871	5306	3801	979	1793	2683	1854	5106	4172	6793	8754	11979	59091
Sole, rock.....	14	0	14	40	30	43	13	668	66	972	34	0	1894
Sole, sand.....	629	0	179	545	2814	2484	13749	29685	44019	7832	40	475	102451
Sturgeon, green.....	0	0	0	0	1086	714	357	270	1659	521	0	0	4607
Sturgeon, white.....	0	0	0	0	0	0	0	0	146	26	0	0	172
Tuna, albacore.....	0	0	0	0	0	0	50470	203542	436065	111049	936	0	802062
Whiting, Pac. (hake)..	0	0	9198	58000	11538	0	0	0	0	0	0	0	78736
Wolf-eel.....	0	0	7	9	32	23	49	106	6	0	0	0	232
Wrymouth, giant.....	0	0	11	0	8	0	0	0	15	12	0	0	46
CRUSTACEANS:													
Crab, box.....	0	0	0	198	0	0	0	0	0	0	0	0	198
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	2648	10878	6006	1603	21135
Crab, Dungeness, ocean	138065	59684	13378	14057	15788	18198	41693	27890	0	0	0	885270	1214023
Crab, rock.....	0	0	0	0	0	0	0	0	102	0	0	0	102
Shrimp, ghost.....	253	243	197	165	297	433	384	279	316	197	120	211	3095
Shrimp, pink.....	0	0	0	1597802	1758091	820752	256125	579734	361535	274335	0	0	5648374
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	0	609	609
MOLLUSKS:													
Clams, cockle.....	73	1078	1890	584	688	80	899	199	0	0	0	0	5491
Clams, gaper.....	0	0	0	0	0	0	95	0	0	0	25	0	120
Octopus.....	109	0	123	502	400	228	90	203	35	161	0	0	1851
Scallops, weathervane	0	0	891	0	0	0	0	0	0	0	11633	44884	57408
Squid.....	0	0	0	0	0	11955	0	117450	0	0	0	0	129405
OTHER INVERTEBRATES:													
Sea urchin, purple....	0	0	0	0	0	0	0	0	4904	0	0	0	4904
Sea urchin, red.....	10685	0	0	0	36514	21658	1637	0	39577	37516	0	0	147587
TOTAL	2136849	1796345	2041503	2542562	3432730	2809848	2178728	2893843	2851386	2757014	1785782	1600038	28826628

TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	101	0	0	0	0	0	0	101
Lingcod.....	0	0	0	0	0	58	1019	0	0	28	0	0	1105
Rockfish, other sp....	0	0	0	0	686	1453	5351	4783	4918	3477	36	0	20704
Salmon, chinook.....	0	0	0	0	691	0	0	849	5674	853	0	0	8067
Tuna, albacore.....	0	0	0	0	0	0	0	6856	2534	0	0	0	9390
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	1993	0	0	0	0	0	0	0	0	34	2027
TOTAL	0	0	1993	0	1377	1612	6370	12488	13126	4358	36	34	41394

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	66	73	45	4	254	295	54	8	0	0	0	0	799
Grenadier.....	0	0	0	0	0	0	0	0	290	0	0	0	290
Hagfish sp.....	0	0	0	21390	27450	23910	0	0	8280	42330	8250	0	131610
Halibut, Pacific.....	0	0	0	0	0	0	2584	0	0	0	0	0	2584
Lingcod.....	2581	1214	2934	1211	2941	3877	2436	2268	3375	2227	1198	455	26717
Pacific Ocean perch...	0	0	0	0	4742	18	0	0	0	0	0	0	4760
Rockfish, widow.....	74	3571	0	0	0	0	232	1779	70	0	0	0	5726
Rockfish, yellowtail..	16851	3188	6188	809	113	13407	28167	30683	45050	27797	647	1436	174336
Rockfish, other sp....	12942	7864	16353	5231	26641	55485	69335	58327	52843	29256	14497	12104	360878
Sablefish.....	0	0	0	0	455550	13239	1353	0	0	0	0	0	470142
Salmon, chinook.....	0	0	0	0	878	0	0	0	4002	13552	10589	0	29021
Shark, blue.....	0	0	0	0	0	0	0	38	0	0	0	0	38
Shark, other sp.....	0	0	0	0	0	0	9	0	0	0	0	0	9
Skates and rays.....	0	0	0	0	0	0	0	19	0	0	0	0	19
Sole, Dover.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Tuna, albacore.....	0	0	0	0	0	0	0	3426	22344	0	0	0	25770
CRUSTACEANS:													
Crab, Dungeness, ocean	84539	29757	14407	6721	10609	7710	16528	32605	0	0	0	103440	306316
Shrimp, pink.....	0	0	0	0	21126	20033	1131	0	1716	2399	0	0	46405
MOLLUSKS:													
Octopus.....	367	177	487	143	33	145	14	0	0	0	0	113	1479
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	0	0	3072	1740	0	0	0	4812
Sea urchin, red.....	205282	203146	95779	79324	44857	10914	8378	22900	60791	68949	198865	99937	1099122
TOTAL	322702	248990	136193	114833	595194	149037	130221	155125	200501	186510	234046	217485	2690837

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, arrowtooth..	0	0	0	0	0	0	2	0	0	0	0	0	2
Lingcod.....	0	0	0	0	429	0	168	126	121	33	0	0	877
Nominal POP.....	0	0	0	0	0	0	5	0	0	0	0	0	5
Rockfish, widow.....	0	0	0	0	0	0	0	970	0	0	0	0	970
Rockfish, yellowtail..	0	0	0	0	0	0	9	8892	42	0	0	0	8943
Rockfish, other sp....	0	0	0	0	352	0	949	1847	1120	662	0	0	4930
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	0	0	0	0	0	155	0	0	0	0	155
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	0	0	0	336	0	0	0	336
Sea urchin, red.....	15034	10464	13975	15203	95263	3484	9190	38488	24341	24280	2103	8112	259937
TOTAL	15034	10464	13975	15203	96044	3484	10323	50478	25960	24975	2103	8112	276155

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	35	0	2	0	0	0	0	37
Flounder, arrowtooth..	1128	3285	1841	343	1278	1350	4366	11910	9753	2784	3512	0	41550
Flounder, starry.....	0	0	0	0	55	0	0	0	0	0	0	0	55
Greenling sp.....	0	0	0	0	4	13	17	8	10	0	0	0	52
Grenadier.....	0	0	0	1312	55	135	1869	0	3022	550	489	0	7432
Halibut, Pacific.....	0	0	0	0	0	0	5681	0	0	0	0	0	5681
Lingcod.....	1872	184	1454	979	1538	4156	27435	44239	21260	19167	5723	4	128011
Pacific Ocean perch...	0	0	0	0	0	1687	0	0	0	0	0	0	1687
Nominal POP.....	1343	639	60	874	3500	8529	27376	22625	10057	14470	6693	0	96166
Rockfish, widow.....	15532	0	34446	94806	38431	2570	93962	62226	92560	63716	42075	0	540324
Rockfish, yellowtail..	5730	0	0	57807	200	3605	62752	36790	12378	9164	10016	0	198442
Rockfish, other sp....	61604	33295	14120	15023	69239	18212	81559	74077	102471	71251	26142	15	567008
Thornyhead sp.....	22717	11813	17901	47211	26143	114122	30455	40600	50732	41984	39749	1067	444494
Sablefish.....	14582	17061	27759	24540	77042	43811	45688	75963	58271	26238	28048	635	439638
Salmon, chinook.....	0	0	0	0	14	145	0	114	2541	200	0	0	3014
Sanddab, Pacific.....	0	0	23	45	157	1762	5081	3498	1167	482	55	0	12270
Shark, blue.....	0	0	0	0	0	0	65	0	0	0	0	0	65
Shark, soupfin.....	0	0	0	0	0	30	0	0	23	69	27	0	149
Shark, thresher.....	0	0	0	0	0	156	0	0	0	0	0	0	156
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	111	0	0	111
Sole, Dover.....	119367	95656	96601	60838	78028	51089	126231	223018	205924	103041	138805	1111	1299709
Sole, English.....	201	647	64	21	1391	5662	27179	11923	22424	6877	805	0	77194
Sole, petrale.....	37236	21040	829	85	319	7447	29573	10367	7481	6468	6311	0	127156
Sole, rex.....	6031	3664	3344	700	1024	820	1830	10220	8299	4657	7244	0	47833
Sole, sand.....	0	0	0	0	78	0	10	30	0	0	0	0	118
Surfperch sp.....	0	0	47	177	0	0	0	444	161	40	0	0	869
Tuna, albacore.....	0	0	0	0	0	0	0	13674	73755	26268	0	0	113697

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, ocean	789510	524552	68140	14255	15390	3094	2271	2029	0	0	0	329331	1748572
Shrimp, pink.....	0	0	0	1014976	775730	1007770	114883	302156	462089	283074	0	0	3960678
MOLLUSKS:													
Octopus.....	2127	2754	1522	1775	695	911	366	620	569	88	0	233	11660
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	3172	0	12147	15493	0	21796	14605	36622	20583	3403	0	127821
TOTAL	1078980	717762	268151	1347914	1105804	1277111	710445	961138	1181569	701282	319097	332396	10001649

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993.

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
Cabazon.....	17	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0
Flounder, starry.....	0	0	0	0	15	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, Pacific.....	837	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.....	21444	0	0	0	0	0	0	0	0	0
Lord, brown Irish.....	0	0	0	0	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0
Mackerel.....	260	0	0	0	0	0	0	0	0	0
Minnow, fathead.....	0	0	0	0	0	0	0	0	0	0
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0
Ratfish.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0
Nominal POP.....	0	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	2110	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	19166	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	231800	0	0	0	0	0	0	0	0	0
Thornyhead sp.....	0	0	0	0	0	0	0	0	0	0
Sablefish.....	373	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	874991	0	0	0	289880	314932	0	10594	0	0
Salmon, chum.....	0	0	0	0	256	0	0	0	0	0
Salmon, coho.....	10438	0	0	0	191393	5381	0	459	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
Salmon, pink.....	33	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	13	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	11432	0	402596	0	0	2824	0	0
Shark, blue.....	56	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	3712	0	23410
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	0
Snailfish, blacktail..	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0
Sole, English.....	0	0	0	0	0	0	0	0	0	0
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0
Sole, petrale.....	8	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	130794	0	18577	0	0
Sturgeon, green.....	0	0	0	0	14921	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	130055	58380	89	0	0	0
Sturgeon, white - eggs	0	0	0	0	0	66	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (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
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	4754450	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	2812	0	0	0	0
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	0	0	0	0	0	0	0	0	0	0
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocean	0	0	0	0	0	0	0	0	0	0
Crab, hermit.....	0	0	0	0	0	0	0	0	0	0
Crab, kelp.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, tanner.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
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
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (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
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
Sea urchins, other sp	0	0	0	0	0	0	0	0	0	0
TOTAL	5915996	0	11432	0	1029116	512365	89	36166	0	23410

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (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	2	0	0	0	0
Cabezon.....	0	91	0	2724	200	0	0	0	0	0
Cod, Pacific.....	0	225	0	17	1040222	65	42281	0	0	0
Flounder, arrowtooth.	213	755	0	2	3649427	110	6637	0	0	0
Flounder, starry.....	0	0	0	0	163713	0	440	0	0	0
Greenling sp.....	0	46	0	130	0	0	0	0	0	0
Grenadier.....	0	290	0	0	816748	0	0	0	0	0
Hagfish sp.....	332779	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	0	658834	0	2603	373	0	40	0	0	0
Herring, Pacific.....	0	0	0	748	0	3611	164	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	720	19058	0	149049	1613626	250	35877	0	0	0
Lord, brown Irish....	0	0	0	2	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	10	0	0	0	0	0	0
Mackerel.....	0	0	0	88	20	1223087	3395	0	0	0
Minnow, fathead.....	0	0	0	0	0	0	0	0	0	0
Pollock, walleye.....	0	0	0	0	451	4	0	0	0	0
Ratfish.....	0	0	0	0	96	2	0	0	0	0
Pacific Ocean perch..	54	4706	0	0	1514692	44158	732	0	0	0
Nominal POP.....	14	4383	0	317	4358096	41167	6104	0	0	0
Rockfish, widow.....	2	13814	0	36857	7897498	6762486	10303	0	0	0
Rockfish, yellowtail.	0	102014	0	241810	4802304	317407	753942	0	0	0
Rockfish, other sp...	4823	377379	0	1075610	6417088	100805	713092	0	0	0
Thornyhead sp.....	543	10099	0	3	9821852	0	861	0	0	0
Sablefish.....	1469765	1630000	0	13743	5364665	53105	128743	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

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	19	621934	0	185	0	0	0
Sardine, Pacific.....	0	0	0	0	0	517	0	0	0	0
Sculpin, buffalo.....	0	0	0	2	0	0	0	0	0	0
Sculpin, other sp....	0	0	0	6	0	0	8	0	0	0
Shad, American.....	0	0	0	0	203	6674	0	0	0	0
Shark, blue.....	0	174	0	20	0	106	0	0	0	0
Shark, sixgill.....	0	0	0	0	111	0	0	0	0	0
Shark, soupfin.....	0	267	0	83	3320	0	453	0	0	0
Shark, spiny dogfish.	0	0	0	4	58531	18272	36	0	0	0
Shark, thresher.....	0	0	0	0	266	207	156	0	0	0
Shark, other sp.....	0	34	0	0	44	120	329	0	0	0
Skates and rays.....	0	19	0	27	3134	168	116	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	24	0	1	0	0	0	0
Snailfish, blacktail.	0	0	0	0	0	44	0	0	0	0
Sole, butter.....	0	0	0	0	255	0	0	0	0	0
Sole, curlfin (turbot	0	0	0	0	3003	0	0	0	0	0
Sole, Dover.....	25	58	0	0	14249304	4	44494	0	0	0
Sole, English.....	0	0	0	0	1580318	0	2616	0	0	0
Sole, flathead.....	0	0	0	0	9666	0	2031	0	0	0
Sole, petrale.....	0	271	0	13	1701017	0	7026	0	0	0
Sole, rex.....	0	0	0	0	602958	6	402	0	0	0
Sole, rock.....	0	2	0	0	4216	0	0	0	0	0
Sole, sand.....	0	0	0	27	465524	0	86	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	8317	0	22	0	0	0
Sturgeon, white.....	0	0	0	0	241	0	18	0	0	0
Sturgeon, white - egg	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Surfperch sp.....	0	0	0	1664	0	0	0	0	0	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	89310	78880481	0	0	0	0
Wolf-eel.....	0	0	0	133	233	6	0	0	0	0
Wrymouth, giant.....	0	8	0	0	254	0	6	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	484	0	150	0	0	0
Crab, Dungeness, bay.	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocea	0	0	0	0	0	0	0	0	0	0
Crab, hermit.....	0	0	0	0	0	0	0	0	0	0
Crab, kelp.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, tanner.....	0	0	0	0	2	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, 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	26923125	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	39372	0	0	840
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
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	FISH	BOTTOM	PELAGIC	OTHER	GROUND FISH	MIDWATER	SHRIMP	SQUID	OCEAN	SHRIMP
	POT	LONGLINE	LONGLINE	HOOK&LINE	TRAWL	TRAWL	TRAWL	NET	GILLNET	POT
Octopus.....	33	161	0	168	14752	0	4663	0	0	317
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	5555	931	152	124008	0	0
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	40	0	10	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
Sea urchins, other sp	0	0	0	0	0	0	100	0	0	0
TOTAL	1808971	2822688	0	1525903	66884063	87453796	28728167	124008	0	1157

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:										
Anchovy, northern.....	0	0	0	0	0	0	0	0	0	2
Cabazon.....	194	0	0	0	0	0	0	0	0	3226
Cod, Pacific.....	0	0	0	0	0	1263	0	0	0	1084073
Flounder, arrowtooth..	2	0	0	0	0	0	0	0	0	3657146
Flounder, starry.....	0	0	0	0	0	42	0	0	0	164210
Greenling sp.....	2	0	0	0	5	0	0	0	0	183
Grenadier.....	0	0	0	0	0	0	0	0	0	817038
Hagfish sp.....	0	0	0	0	0	0	0	0	0	332779
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	662687
Herring, Pacific.....	0	0	0	0	0	0	0	163830	0	168353
Lamprey, Pacific.....	0	0	0	0	17858	0	0	0	0	17858
Lingcod.....	47	0	0	0	0	644	0	0	0	1840715
Lord, brown Irish.....	0	0	0	0	0	0	0	0	0	2
Lord, red Irish.....	0	0	0	0	2	0	0	0	0	12
Mackerel.....	0	0	0	0	0	0	0	0	0	1226850
Minnow, fathead.....	0	0	0	0	0	0	0	405	0	405
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	455
Ratfish.....	0	0	0	0	0	0	0	0	0	98
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	1564342
Nominal POP.....	0	0	0	0	0	0	0	0	0	4410081
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	14723070
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	6236643
Rockfish, other sp....	164	0	0	0	0	161	0	0	0	8920922
Thornyhead sp.....	0	0	0	0	0	0	0	0	0	9833358
Sablefish.....	0	0	0	0	0	0	0	0	0	8660394
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	1490397
Salmon, chum.....	0	0	0	0	0	0	0	0	0	256
Salmon, coho.....	0	0	0	0	0	0	0	0	0	207671

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (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
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0	33
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	622151
Sardine, Pacific.....	0	0	0	0	0	0	0	0	0	0	517
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0	2
Sculpin, other sp.....	14	0	0	0	0	0	0	0	0	0	28
Shad, American.....	0	0	0	0	0	0	0	0	0	0	423729
Shark, blue.....	0	0	0	0	0	0	0	0	0	0	356
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0	111
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	4123
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	76843
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	629
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0	527
Skates and rays.....	0	0	0	0	0	0	0	0	0	0	3464
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0	27122
Smelt, other sp.....	0	0	0	0	0	0	0	0	311	0	336
Snailfish, blacktail..	0	0	0	0	0	0	0	0	0	0	44
Sole, butter.....	0	0	0	0	0	0	0	0	0	0	255
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0	3003
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0	14293885
Sole, English.....	0	0	0	0	0	0	284	0	0	0	1583218
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0	11697
Sole, petrale.....	0	0	0	0	0	0	133	0	0	0	1708468
Sole, rex.....	0	0	0	0	0	0	0	0	0	0	603366
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	4218
Sole, sand.....	0	0	0	0	0	0	321	0	0	0	465958
Steelhead.....	0	0	0	0	0	0	0	0	0	0	149371
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	23260
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	188783
Sturgeon, white - eggs	0	0	0	0	0	0	0	0	0	0	66

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Surfperch sp.....	0	0	0	0	0	12	0	0	0	0	1676
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	4754450
Walleye.....	0	0	0	0	0	0	0	0	0	0	2812
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	78969791
Wolf-eel.....	223	0	0	0	0	0	0	0	0	0	595
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0	268
CRUSTACEANS:											
Crab, box.....	198	0	0	0	0	0	0	0	0	0	832
Crab, Dungeness, bay..	0	55341	0	0	0	0	0	0	0	0	55341
Crab, Dungeness, ocean	10400813	0	0	0	0	0	0	0	0	0	10400813
Crab, hermit.....	30	0	0	0	0	0	0	0	0	0	30
Crab, kelp.....	0	1	0	0	0	460	0	0	0	0	461
Crab, rock.....	0	285	0	0	0	0	0	0	0	0	285
Crab, tanner.....	0	0	0	0	0	0	0	0	0	0	2
Crayfish.....	0	0	0	0	0	0	0	0	0	57426	57426
Shrimp, brine.....	0	0	0	0	0	43200	0	0	0	0	43200
Shrimp, ghost.....	0	0	0	0	0	0	0	72262	0	0	72262
Shrimp, mud.....	0	0	0	0	0	0	0	48300	0	0	48300
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	26923125
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	40212
MOLLUSKS:											
Clams, butter.....	0	0	374	0	0	6008	0	0	0	0	6382
Clams, cockle.....	0	0	7718	0	0	64189	0	0	0	0	71907
Clams, gaper.....	0	0	120	0	0	5344	0	0	0	0	5464
Clams, littleneck.....	0	0	34	0	0	36598	0	0	0	0	36632
Clams, softshell.....	0	0	7312	0	0	0	0	0	0	0	7312
Clams, razor.....	0	0	62	0	0	0	0	0	0	0	62
Mussels, ocean.....	0	0	0	0	0	22934	0	0	0	0	22934
Mussels, freshwater...	0	0	0	0	0	2333	0	0	0	0	2333

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR SHOVEL RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Octopus.....	9919	0	0	0	284	52	0	0	0	30349
Scallops, weathervane	0	0	0	0	0	286194	0	0	0	286194
Snails & chitons.....	0	0	0	0	14	0	0	0	0	14
Squid.....	0	0	0	0	0	0	0	0	0	130646
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	5148	0	0	0	0	5148
Sea stars.....	10	0	0	0	1230	0	0	0	0	1290
Sea urchin, purple....	0	0	0	0	34235	0	0	0	0	34235
Sea urchin, red.....	0	0	0	0	2183266	0	0	0	0	2183266
Sea urchins, other sp	0	0	0	0	0	0	0	0	0	100
TOTAL	10411616	55627	15620	0	2423120	289094	120562	164546	57426	210414938

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993.

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.....	4	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	4	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, Pacific.....	1228	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.....	11013	0	0	0	0	0	0	0	0	0
Lord, brown Irish.....	0	0	0	0	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0
Mackerel.....	399	0	0	0	0	0	0	0	0	0
Minnow, fathead.....	0	0	0	0	0	0	0	0	0	0
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0
Ratfish.....	0	0	0	0	0	0	0	0	0	0
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0
Nominal POP.....	0	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	624	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	6220	0	0	0	0	0	0	0	0	0
Rockfish, other sp....	83671	0	0	0	0	0	0	0	0	0
Thornyhead sp.....	0	0	0	0	0	0	0	0	0	0
Sablefish.....	191	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	1660833	0	0	0	298659	213479	0	4328	0	0
Salmon, chum.....	0	0	0	0	135	0	0	0	0	0
Salmon, coho.....	10285	0	0	0	157040	4234	0	395	0	0
Salmon, pink.....	18	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (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
Sanddab, Pacific.....	5	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	3070	0	63183	0	0	424	0	0
Shark, blue.....	38	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	690	0	5875
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.....	7	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	65792	0	10964	0	0
Sturgeon, green.....	0	0	0	0	4946	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	155070	102934	247	0	0	0
Sturgeon, white - eggs	0	0	0	0	0	1052	0	0	0	0
Surfperch sp.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	3881329	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	2164	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (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
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	0	0	0	0	0	0	0	0	0	0
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocean	0	0	0	0	0	0	0	0	0	0
Crab, hermit.....	0	0	0	0	0	0	0	0	0	0
Crab, kelp.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, tanner.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
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
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0
Octopus.....	0	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Snails & chitons.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (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
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchin, purple....	0	0	0	0	0	0	0	0	0	0
Sea urchin, red.....	0	0	0	0	0	0	0	0	0	0
Sea urchins, other sp	0	0	0	0	0	0	0	0	0	0
TOTAL	5655865	0	3070	0	679037	389655	247	16801	0	5875

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
FISH:										
Cabezon.....	0	13	0	1683	79	0	0	0	0	0
Cod, Pacific.....	0	82	0	6	340562	18	13607	0	0	0
Flounder, arrowtooth.	21	78	0	0	356815	5	629	0	0	0
Flounder, starry.....	0	0	0	0	48742	0	114	0	0	0
Greenling sp.....	0	19	0	385	0	0	0	0	0	0
Grenadier.....	0	35	0	0	91509	0	0	0	0	0
Hagfish sp.....	80786	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	0	855865	0	4464	507	0	61	0	0	0
Herring, Pacific.....	0	0	0	315	0	0	33	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	307	9826	0	88202	549167	40	12221	0	0	0
Lord, brown Irish....	0	0	0	24	0	0	0	0	0	0
Lord, red Irish.....	0	0	0	124	0	0	0	0	0	0
Mackerel.....	0	0	0	104	185	2660	170	0	0	0
Minnow, fathead.....	0	0	0	0	0	0	0	0	0	0
Pollock, walleye.....	0	0	0	0	148	0	0	0	0	0
Ratfish.....	0	0	0	0	5	0	0	0	0	0
Pacific Ocean perch..	19	1650	0	0	464894	13293	228	0	0	0
Nominal POP.....	5	1343	0	102	1127422	9041	1538	0	0	0
Rockfish, widow.....	1	4217	0	12527	2238151	1694177	3002	0	0	0
Rockfish, yellowtail.	0	37901	0	86830	1496100	88308	233836	0	0	0
Rockfish, other sp...	1735	218929	0	548003	2010348	27197	197945	0	0	0
Thornyhead sp.....	308	6378	0	2	4373914	0	309	0	0	0
Sablefish.....	1028083	1351022	0	15987	2321713	7956	28335	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

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Sanddab, Pacific.....	0	0	0	10	183938	0	45	0	0	0
Sculpin, buffalo.....	0	0	0	3	0	0	0	0	0	0
Sculpin, other sp....	0	0	0	15	0	0	25	0	0	0
Shad, American.....	0	0	0	0	51	0	0	0	0	0
Shark, blue.....	0	69	0	10	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	52	0	0	0	0	0
Shark, soupfin.....	0	227	0	52	1603	0	370	0	0	0
Shark, spiny dogfish.	0	0	0	20	7119	0	90	0	0	0
Shark, thresher.....	0	0	0	0	289	0	156	0	0	0
Shark, other sp.....	0	0	0	0	22	0	702	0	0	0
Skates and rays.....	0	2	0	27	704	0	87	0	0	0
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0
Smelt, other sp.....	0	0	0	5	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	12	0	0	0	0	0
Sole, curlfin (turbot)	0	0	0	0	925	0	0	0	0	0
Sole, Dover.....	9	20	0	0	3867471	0	12357	0	0	0
Sole, English.....	0	0	0	0	471764	0	800	0	0	0
Sole, flathead.....	0	0	0	0	3037	0	503	0	0	0
Sole, petrale.....	0	184	0	11	1302084	0	4887	0	0	0
Sole, rex.....	0	0	0	0	176206	2	119	0	0	0
Sole, rock.....	0	1	0	0	1500	0	0	0	0	0
Sole, sand.....	0	0	0	37	328347	0	101	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	8475	0	11	0	0	0
Sturgeon, white.....	0	0	0	0	374	0	9	0	0	0
Sturgeon, white - egg	0	0	0	0	0	0	0	0	0	0
Surfperch sp.....	0	0	0	2434	0	0	0	0	0	0
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Whiting, Pac. (hake).	0	0	0	0	4651	2273997	0	0	0	0
Wolf-eel.....	0	0	0	119	80	0	0	0	0	0
Wrymouth, giant.....	0	4	0	0	16	0	0	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	354	0	150	0	0	0
Crab, Dungeness, bay.	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, ocea	0	0	0	0	0	0	0	0	0	0
Crab, hermit.....	0	0	0	0	0	0	0	0	0	0
Crab, kelp.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, tanner.....	0	0	0	0	4	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, 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	8911606	0	0	0
Shrimp, spot.....	0	0	0	2620	0	0	90022	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
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	0
Octopus.....	13	71	0	683	10409	0	2392	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

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Squid.....	0	0	0	0	832	0	61	30349	0	0
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea stars.....	0	0	0	0	100	0	23	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
Sea urchins, other sp	0	0	0	0	0	0	100	0	0	0
TOTAL	1111287	2487936	0	764804	21790680	4116694	9516644	30349	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:											
Cabezon.....	276	0	0	0	0	0	0	0	0	0	2055
Cod, Pacific.....	0	0	0	0	0	0	417	0	0	0	354692
Flounder, arrowtooth..	5	0	0	0	0	0	0	0	0	0	357553
Flounder, starry.....	0	0	0	0	0	0	13	0	0	0	48873
Greenling sp.....	11	0	0	0	0	11	0	0	0	0	426
Grenadier.....	0	0	0	0	0	0	0	0	0	0	91544
Hagfish sp.....	0	0	0	0	0	0	0	0	0	0	80786
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	862125
Herring, Pacific.....	0	0	0	0	0	0	0	0	42577	0	42925
Lamprey, Pacific.....	0	0	0	0	0	4028	0	0	0	0	4028
Lingcod.....	18	0	0	0	0	0	206	0	0	0	671000
Lord, brown Irish.....	0	0	0	0	0	0	0	0	0	0	24
Lord, red Irish.....	0	0	0	0	0	25	0	0	0	0	149
Mackerel.....	0	0	0	0	0	0	0	0	0	0	3518
Minnow, fathead.....	0	0	0	0	0	0	0	0	286	0	286
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0	148
Ratfish.....	0	0	0	0	0	0	0	0	0	0	5
Pacific Ocean perch...	0	0	0	0	0	0	0	0	0	0	480084
Nominal POP.....	0	0	0	0	0	0	0	0	0	0	1139451
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	0	3952699
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	1949195
Rockfish, other sp....	168	0	0	0	0	0	50	0	0	0	3088046
Thornyhead sp.....	0	0	0	0	0	0	0	0	0	0	4380911
Sablefish.....	0	0	0	0	0	0	0	0	0	0	4753287
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0	2177299
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0	135
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0	171954
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0	18

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (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
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	183998
Sculpin, buffalo.....	0	0	0	0	0	0	0	0	0	0	3
Sculpin, other sp.....	35	0	0	0	0	0	0	0	0	0	75
Shad, American.....	0	0	0	0	0	0	0	0	0	0	66728
Shark, blue.....	0	0	0	0	0	0	0	0	0	0	117
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0	52
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	2252
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	7229
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	445
Shark, other sp.....	0	0	0	0	0	0	0	0	0	0	724
Skates and rays.....	0	0	0	0	0	0	0	0	0	0	820
Smelt (eulachon).....	0	0	0	0	0	0	0	0	0	0	6565
Smelt, other sp.....	0	0	0	0	0	0	0	0	123	0	128
Sole, butter.....	0	0	0	0	0	0	0	0	0	0	12
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	0	925
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0	3879857
Sole, English.....	0	0	0	0	0	0	91	0	0	0	472655
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0	3540
Sole, petrale.....	0	0	0	0	0	0	113	0	0	0	1307286
Sole, rex.....	0	0	0	0	0	0	0	0	0	0	176327
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	1501
Sole, sand.....	0	0	0	0	0	0	241	0	0	0	328726
Steelhead.....	0	0	0	0	0	0	0	0	0	0	76756
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	13432
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	258634
Sturgeon, white - eggs	0	0	0	0	0	0	0	0	0	0	1052
Surfperch sp.....	0	0	0	0	0	24	0	0	0	0	2458
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	3881329
Walleye.....	0	0	0	0	0	0	0	0	0	0	2164

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (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
Whiting, Pac. (hake)..	0	0	0	0	0	0	0	0	0	0	2278648
Wolf-eel.....	140	0	0	0	0	0	0	0	0	0	339
Wrymouth, giant.....	0	0	0	0	0	0	0	0	0	0	20
CRUSTACEANS:											
Crab, box.....	100	0	0	0	0	0	0	0	0	0	604
Crab, Dungeness, bay..	0	89416	0	0	0	0	0	0	0	0	89416
Crab, Dungeness, ocean	11708787	0	0	0	0	0	0	0	0	0	11708787
Crab, hermit.....	76	0	0	0	0	0	0	0	0	0	76
Crab, kelp.....	0	1	0	0	416	0	0	0	0	0	417
Crab, rock.....	0	204	0	0	0	0	0	0	0	0	204
Crab, tanner.....	0	0	0	0	0	0	0	0	0	0	4
Crayfish.....	0	0	0	0	0	0	0	0	0	66761	66761
Shrimp, brine.....	0	0	0	0	36720	0	0	0	0	0	36720
Shrimp, ghost.....	0	0	0	0	0	0	89293	0	0	0	89293
Shrimp, mud.....	0	0	0	0	0	0	61321	0	0	0	61321
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	8911606
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	92642
MOLLUSKS:											
Clams, butter.....	0	0	51	0	2952	0	0	0	0	0	3003
Clams, cockle.....	0	0	4665	0	30006	0	0	0	0	0	34671
Clams, gaper.....	0	0	152	0	2530	0	0	0	0	0	2682
Clams, littleneck.....	0	0	53	0	55503	0	0	0	0	0	55556
Clams, softshell.....	0	0	4788	0	0	0	0	0	0	0	4788
Clams, razor.....	0	0	142	0	0	0	0	0	0	0	142
Mussels, ocean.....	0	0	0	0	7583	0	0	0	0	0	7583
Mussels, freshwater...	0	0	0	0	817	0	0	0	0	0	817
Octopus.....	9423	0	0	0	1136	13	0	0	0	0	24140
Scallops, weathervane	0	0	0	0	0	131468	0	0	0	0	131468
Snails & chitons.....	0	0	0	0	28	0	0	0	0	0	28

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1993. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Squid.....	0	0	0	0	0	0	0	0	0	31242
OTHER INVERTEBRATES:										
Sea cucumber.....	0	0	0	0	6645	0	0	0	0	6645
Sea stars.....	68	0	0	0	2318	0	0	0	0	2509
Sea urchin, purple....	0	0	0	0	20808	0	0	0	0	20808
Sea urchin, red.....	0	0	0	0	1909015	0	0	0	0	1909015
Sea urchins, other sp	0	0	0	0	0	0	0	0	0	100
TOTAL	11719107	89621	9851	0	2080565	132612	150614	42986	66761	60861061

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	17	0	0	0	0	17
Halibut, Pacific.....	0	0	0	0	0	0	837	0	0	0	0	0	837
Lingcod.....	0	0	0	0	5193	3637	5495	2946	2448	1439	286	0	21444
Mackerel.....	0	0	0	0	49	0	177	10	24	0	0	0	260
Rockfish, widow.....	0	0	0	0	1240	544	120	74	83	49	0	0	2110
Rockfish, yellowtail..	0	0	0	0	7298	2049	4160	2337	1254	2068	0	0	19166
Rockfish, other sp....	0	0	0	0	41394	44773	47247	37221	40419	20486	260	0	231800
Sablefish.....	0	0	0	0	0	26	13	320	6	8	0	0	373
Salmon, chinook.....	0	0	0	0	229898	159442	125800	104070	154302	87686	13793	0	874991
Salmon, coho.....	0	0	0	0	0	0	794	3505	5969	170	0	0	10438
Salmon, pink.....	0	0	0	0	20	3	5	5	0	0	0	0	33
Sanddab, Pacific.....	0	0	0	0	0	10	3	0	0	0	0	0	13
Shark, blue.....	0	0	0	0	0	20	0	36	0	0	0	0	56
Sole, petrale.....	0	0	0	0	2	2	2	2	0	0	0	0	8
Tuna, albacore.....	0	0	0	0	0	0	185534	1250377	2670887	617123	30529	0	4754450
TOTAL	0	0	0	0	285094	210506	370187	1400920	2875392	729029	44868	0	5915996
<u>COASTAL GILLNET</u>													
FISH:													
Shad, American.....	0	0	0	0	5554	5878	0	0	0	0	0	0	11432
TOTAL	0	0	0	0	5554	5878	0	0	0	0	0	0	11432
<u>COL. R. GILLNET</u>													
FISH:													
Flounder, starry.....	0	0	15	0	0	0	0	0	0	0	0	0	15
Salmon, chinook.....	0	6979	14016	4138	8642	0	0	946	231175	23984	0	0	289880
Salmon, chum.....	0	0	0	0	0	0	0	0	0	256	0	0	256
Salmon, coho.....	0	0	0	0	0	0	0	3679	128425	59289	0	0	191393
Shad, American.....	0	0	0	0	97088	305508	0	0	0	0	0	0	402596

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, green.....	0	20	0	0	0	0	0	0	14849	52	0	0	14921
Sturgeon, white.....	0	8144	5313	218	756	0	0	219	105164	10241	0	0	130055
TOTAL	0	15143	19344	4356	106486	305508	0	4844	479613	93822	0	0	1029116
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	56295	250572	8065	0	0	314932
Salmon, coho.....	0	56	0	0	0	0	0	40	4470	815	0	0	5381
Steelhead.....	0	1834	5545	0	0	0	0	27600	84168	11647	0	0	130794
Sturgeon, white.....	0	26281	31326	0	0	0	0	773	0	0	0	0	58380
Sturgeon, white - eggs	0	60	6	0	0	0	0	0	0	0	0	0	66
Walleye.....	0	118	769	0	0	0	0	825	1076	24	0	0	2812
TOTAL	0	28349	37646	0	0	0	0	85533	340286	20551	0	0	512365
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	89	0	0	0	0	0	0	0	0	0	0	0	89
TOTAL	89	0	0	0	0	0	0	0	0	0	0	0	89
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	2086	8449	59	0	0	10594
Salmon, coho.....	0	0	0	0	0	0	0	0	459	0	0	0	459
Shad, American.....	0	0	0	0	0	2824	0	0	0	0	0	0	2824
Smelt (eulachon).....	0	3712	0	0	0	0	0	0	0	0	0	0	3712
Steelhead.....	0	0	0	0	0	0	0	8410	10167	0	0	0	18577
TOTAL	0	3712	0	0	0	2824	0	10496	19075	59	0	0	36166

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>SMELT TRAWL</u>													
FISH:													
Smelt (eulachon).....	18	20952	2440	0	0	0	0	0	0	0	0	0	23410
TOTAL	18	20952	2440	0	0	0	0	0	0	0	0	0	23410
<u>FISH POT</u>													
FISH:													
Flounder, arrowtooth..	0	0	0	0	13	200	0	0	0	0	0	0	213
Hagfish sp.....	0	9090	43789	42300	61350	52230	4110	0	8280	89700	21930	0	332779
Lingcod.....	0	0	0	0	391	329	0	0	0	0	0	0	720
Pacific Ocean perch...	0	0	0	0	36	18	0	0	0	0	0	0	54
Nominal POP.....	0	0	0	0	14	0	0	0	0	0	0	0	14
Rockfish, widow.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Rockfish, other sp....	0	0	610	0	3211	1002	0	0	0	0	0	0	4823
Thornyhead sp.....	0	0	0	0	499	44	0	0	0	0	0	0	543
Sablefish.....	0	0	37951	0	1233092	198722	0	0	0	0	0	0	1469765
Sole, Dover.....	0	0	0	0	21	4	0	0	0	0	0	0	25
MOLLUSKS:													
Octopus.....	0	0	0	0	0	33	0	0	0	0	0	0	33
TOTAL	0	9090	82350	42300	1298629	252582	4110	0	8280	89700	21930	0	1808971
<u>BOTTOM LONGLINE</u>													
FISH:													
Cabezon.....	0	0	21	0	0	70	0	0	0	0	0	0	91
Cod, Pacific.....	0	0	0	187	8	0	23	0	0	7	0	0	225
Flounder, arrowtooth..	0	0	0	0	489	224	42	0	0	0	0	0	755
Greenling sp.....	0	0	0	0	0	13	17	6	10	0	0	0	46
Grenadier.....	0	0	0	0	0	0	0	0	290	0	0	0	290
Halibut, Pacific.....	0	0	0	0	0	182169	143191	190926	142548	0	0	0	658834
Lingcod.....	1297	214	2095	896	605	3508	1515	2443	4021	959	1505	0	19058

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Pacific Ocean perch...	0	0	0	0	4706	0	0	0	0	0	0	0	4706
Nominal POP.....	0	0	0	333	1086	399	677	355	761	772	0	0	4383
Rockfish, widow.....	7	0	0	0	0	0	3489	2425	5071	2822	0	0	13814
Rockfish, yellowtail..	2380	472	3455	652	2484	6001	28106	29722	15834	6400	6508	0	102014
Rockfish, other sp....	7403	692	6633	6422	72163	51715	81476	65347	40772	30547	14209	0	377379
Thornyhead sp.....	8	0	0	14	5357	3034	35	0	1081	570	0	0	10099
Sablefish.....	561	0	492	625	1192592	250208	15739	2178	143896	22509	1200	0	1630000
Shark, blue.....	0	0	0	0	0	0	136	38	0	0	0	0	174
Shark, soupfin.....	87	0	0	0	0	45	135	0	0	0	0	0	267
Shark, other sp.....	0	0	0	0	25	0	9	0	0	0	0	0	34
Skates and rays.....	0	0	0	0	0	0	0	19	0	0	0	0	19
Sole, Dover.....	0	0	0	0	42	6	10	0	0	0	0	0	58
Sole, petrale.....	0	0	0	2	5	67	191	2	0	4	0	0	271
Sole, rock.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Wrymouth, giant.....	0	0	0	0	8	0	0	0	0	0	0	0	8
MOLLUSKS:													
Octopus.....	0	0	0	0	0	161	0	0	0	0	0	0	161
TOTAL	11743	1378	12696	9131	1279570	497620	274791	293463	354284	64590	23422	0	2822688
OTHER HOOK & LINE													
FISH:													
Cabazon.....	74	172	202	244	530	649	233	331	157	109	11	12	2724
Cod, Pacific.....	0	0	0	7	6	0	0	0	0	4	0	0	17
Flounder, arrowtooth..	0	0	0	0	0	0	2	0	0	0	0	0	2
Greenling sp.....	0	0	0	6	4	48	15	47	0	0	0	10	130
Halibut, Pacific.....	0	0	0	0	0	0	2603	0	0	0	0	0	2603
Herring, Pacific.....	0	669	14	0	3	12	50	0	0	0	0	0	748
Lingcod.....	9317	23415	22411	3553	10898	13523	13555	11736	8769	19878	7923	4071	149049
Lord, brown Irish.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Lord, red Irish.....	0	0	0	0	0	5	0	4	0	0	0	1	10

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Mackerel.....	0	0	0	0	18	0	60	0	0	0	0	10	88
Nominal POP.....	3	34	7	0	0	0	73	95	59	13	33	0	317
Rockfish, widow.....	893	4117	408	164	40	1212	7705	4446	5937	5815	3737	2383	36857
Rockfish, yellowtail..	30398	11462	12214	4795	7260	15581	29688	29139	41681	47270	8164	4158	241810
Rockfish, other sp....	27666	98331	157956	50636	62206	117148	167612	92756	107201	116529	52222	25347	1075610
Thornyhead sp.....	0	0	3	0	0	0	0	0	0	0	0	0	3
Sablefish.....	19	621	281	1227	745	1247	3022	4230	2307	39	5	0	13743
Sanddab, Pacific.....	0	0	0	0	0	2	13	0	0	4	0	0	19
Sculpin, buffalo.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sculpin, other sp....	0	0	0	0	0	2	2	2	0	0	0	0	6
Shark, blue.....	0	0	0	0	0	20	0	0	0	0	0	0	20
Shark, soupfin.....	0	0	0	36	20	0	0	0	0	0	27	0	83
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	0	4	4
Skates and rays.....	0	0	0	0	0	0	27	0	0	0	0	0	27
Smelt, other sp.....	24	0	0	0	0	0	0	0	0	0	0	0	24
Sole, petrale.....	0	0	0	8	0	0	5	0	0	0	0	0	13
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	2	25	27
Surfperch sp.....	0	0	47	177	0	33	400	493	161	40	0	313	1664
Wolf-eel.....	0	0	0	40	38	13	16	26	0	0	0	0	133
MOLLUSKS:													
Octopus.....	0	0	0	0	6	4	14	12	57	0	0	75	168
TOTAL	68394	138821	193543	60893	81774	149503	225095	143317	166329	189701	72124	36409	1525903
GROUND FISH TRAWL													
FISH:													
Cabezon.....	0	22	0	0	15	25	5	18	115	0	0	0	200
Cod, Pacific.....	39106	24793	22955	47143	198885	191003	151307	114205	97831	96485	44216	12293	1040222
Flounder, arrowtooth..	91265	118643	141968	156320	630470	890675	774089	360443	281734	116304	50718	36798	3649427
Flounder, starry.....	156	5894	22450	1012	12446	7551	16095	17454	47756	27829	4965	105	163713
Grenadier.....	8319	9598	12538	32612	37444	75245	118031	72983	178211	160723	93079	17965	816748

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Halibut, Pacific.....	0	0	0	15	109	139	66	44	0	0	0	0	373
Lingcod.....	32599	55303	58280	43309	195089	200381	183802	251570	272660	181065	92480	47088	1613626
Mackerel.....	0	0	0	0	0	0	0	0	0	0	0	20	20
Pollock, walleye.....	65	3	0	7	0	0	0	0	0	0	376	0	451
Ratfish.....	0	0	0	0	96	0	0	0	0	0	0	0	96
Pacific Ocean perch...	77152	115462	110771	53415	158345	167176	144358	157351	164031	197111	113937	55583	1514692
Nominal POP.....	369425	303044	491323	233943	336997	269876	334192	395733	422202	631438	328709	241214	4358096
Rockfish, widow.....	753700	679403	557406	288399	662280	698550	666626	1149396	735399	967045	643203	96091	7897498
Rockfish, yellowtail..	460833	510996	401934	270718	378891	392319	431975	473763	480920	506585	319925	173445	4802304
Rockfish, other sp....	350023	366021	497919	383969	859083	762460	660312	575502	652120	724420	418844	166415	6417088
Thornyhead sp.....	549613	871507	707047	478765	784300	905760	896893	908981	1166589	1280930	1090492	180975	9821852
Sablefish.....	360314	464019	561264	301050	472849	525625	547254	595247	566497	508328	384659	77559	5364665
Sanddab, Pacific.....	90895	115111	97216	26343	38828	51045	33579	22340	22462	32485	64238	27392	621934
Shad, American.....	0	0	0	0	203	0	0	0	0	0	0	0	203
Shark, sixgill.....	0	25	45	0	0	0	10	0	0	0	31	0	111
Shark, soupfin.....	239	529	204	12	26	1490	72	32	104	167	191	254	3320
Shark, spiny dogfish..	0	0	0	48262	349	0	0	617	0	0	9239	64	58531
Shark, thresher.....	0	0	0	0	0	0	0	0	0	266	0	0	266
Shark, other sp.....	44	0	0	0	0	0	0	0	0	0	0	0	44
Skates and rays.....	205	531	524	169	114	39	69	633	211	245	335	59	3134
Sole, butter.....	0	0	0	0	0	101	0	32	122	0	0	0	255
Sole, curlfin (turbot)	0	0	0	0	0	1098	200	545	620	505	35	0	3003
Sole, Dover.....	1258738	1348957	2023873	690683	1015015	1126695	1255038	1277606	1523686	1504937	1072327	151749	14249304
Sole, English.....	108326	131571	111686	26066	168483	181938	270804	168268	144742	152605	48635	67194	1580318
Sole, flathead.....	0	0	0	2664	869	1433	997	192	2333	259	919	0	9666
Sole, petrale.....	448781	205628	81274	29933	76854	90014	88764	63615	85298	136960	111205	282691	1701017
Sole, rex.....	39517	87262	37686	34806	58988	61737	56192	41176	54754	70975	31652	28213	602958
Sole, rock.....	14	0	144	154	30	186	206	789	972	1270	451	0	4216
Sole, sand.....	796	17475	33343	3284	44457	29472	53196	102032	131277	40131	9902	159	465524
Sturgeon, green.....	0	100	40	41	1469	842	721	475	2069	1905	655	0	8317

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, white.....	0	0	0	0	24	0	25	0	166	26	0	0	241
Whiting, Pac. (hake)..	0	0	9198	68093	11969	0	50	0	0	0	0	0	89310
Wolf-eel.....	0	9	0	16	65	0	33	104	6	0	0	0	233
Wrymouth, giant.....	0	0	11	0	14	29	61	70	35	24	0	10	254
CRUSTACEANS:													
Crab, box.....	0	0	0	140	33	0	182	0	129	0	0	0	484
Crab, tanner.....	0	0	0	0	0	0	2	0	0	0	0	0	2
MOLLUSKS:													
Octopus.....	607	648	566	354	2403	2614	4044	1556	1030	549	146	235	14752
Squid.....	0	28	142	0	10	5257	3	106	0	0	9	0	5555
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	0	0	40	0	0	0	0	0	40
TOTAL	5040732	5432582	5981807	3221697	6147502	6640775	6689293	6752878	7036081	7341572	4935573	1663571	66884063
MIDWATER TRAWL													
FISH:													
Anchovy, northern.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Cod, Pacific.....	0	0	0	0	6	3	10	31	15	0	0	0	65
Flounder, arrowtooth..	0	0	0	4	0	13	35	47	11	0	0	0	110
Herring, Pacific.....	0	0	0	326	29	353	422	1642	839	0	0	0	3611
Lingcod.....	47	0	0	20	8	23	41	77	0	34	0	0	250
Mackerel.....	0	0	0	2326	8715	216388	367611	529893	98154	0	0	0	1223087
Pollock, walleye.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Ratfish.....	0	0	0	0	0	0	0	0	2	0	0	0	2
Pacific Ocean perch...	0	246	0	120	300	4531	7578	31332	51	0	0	0	44158
Nominal POP.....	52	0	1330	801	512	989	3451	22380	7854	0	3798	0	41167
Rockfish, widow.....	774323	387091	575568	837025	645415	650663	803132	703462	685681	381597	298281	20248	6762486
Rockfish, yellowtail..	0	0	2051	13481	3457	27324	87326	127408	42040	7340	6980	0	317407
Rockfish, other sp....	3341	581	0	2448	3093	21580	41280	16577	10782	0	1123	0	100805

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sablefish.....	0	0	0	153	1015	9380	15651	26682	224	0	0	0	53105
Sardine, Pacific.....	0	0	0	489	0	5	11	12	0	0	0	0	517
Shad, American.....	0	0	0	381	22	1676	2568	1454	573	0	0	0	6674
Shark, blue.....	0	0	0	0	0	0	106	0	0	0	0	0	106
Shark, spiny dogfish..	0	0	0	304	541	369	12584	4061	413	0	0	0	18272
Shark, thresher.....	0	0	0	0	0	0	0	207	0	0	0	0	207
Shark, other sp.....	0	0	0	0	0	0	0	120	0	0	0	0	120
Skates and rays.....	0	0	0	0	50	6	52	54	6	0	0	0	168
Smelt, other sp.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Snailfish, blacktail..	0	0	0	0	0	0	44	0	0	0	0	0	44
Sole, Dover.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Sole, rex.....	0	0	0	0	0	0	6	0	0	0	0	0	6
Whiting, Pac. (hake)..	0	0	0	2086810	3056338	20923220	25985617	24420728	2407768	0	0	0	78880481
Wolf-eel.....	0	0	0	0	0	6	0	0	0	0	0	0	6
MOLLUSKS:													
Squid.....	0	0	0	5	11	262	496	150	7	0	0	0	931
TOTAL	777763	387918	578949	2944693	3719512	21856797	27328022	25886321	3254420	388971	310182	20248	87453796

SHRIMP TRAWL

FISH:

Cod, Pacific.....	0	0	0	3271	11465	16391	4841	5225	361	727	0	0	42281
Flounder, arrowtooth..	0	0	0	10	664	1199	361	2839	1436	128	0	0	6637
Flounder, starry.....	0	0	0	0	440	0	0	0	0	0	0	0	440
Halibut, Pacific.....	0	0	0	0	40	0	0	0	0	0	0	0	40
Herring, Pacific.....	0	0	0	0	0	0	0	164	0	0	0	0	164
Lingcod.....	0	0	0	691	8447	11202	2371	7088	2512	3566	0	0	35877
Mackerel.....	0	0	0	0	0	0	0	0	0	3395	0	0	3395
Pacific Ocean perch...	0	0	0	0	6	1	134	366	213	12	0	0	732
Nominal POP.....	0	0	0	282	3701	369	119	818	453	362	0	0	6104
Rockfish, widow.....	0	0	0	1365	4563	1869	740	1688	71	7	0	0	10303

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, yellowtail..	0	0	0	43231	201720	344688	79857	53400	27383	3663	0	0	753942
Rockfish, other sp....	0	0	0	45840	233115	266388	44694	74755	30635	15797	1750	118	713092
Thornyhead sp.....	0	0	0	2	0	65	75	635	2	82	0	0	861
Sablefish.....	0	0	0	2684	13262	27192	15703	54461	8713	6728	0	0	128743
Sanddab, Pacific.....	0	0	0	45	0	58	0	20	16	46	0	0	185
Sculpin, other sp.....	0	0	0	0	0	0	0	8	0	0	0	0	8
Shark, soupfin.....	0	0	0	0	69	154	32	0	23	175	0	0	453
Shark, spiny dogfish..	0	0	0	0	0	0	0	36	0	0	0	0	36
Shark, thresher.....	0	0	0	0	0	156	0	0	0	0	0	0	156
Shark, other sp.....	0	0	0	0	0	290	39	0	0	0	0	0	329
Skates and rays.....	0	0	0	0	0	76	0	40	0	0	0	0	116
Sole, Dover.....	0	0	0	812	7483	10863	8000	11898	3402	2036	0	0	44494
Sole, English.....	0	0	0	161	691	689	453	398	190	34	0	0	2616
Sole, flathead.....	0	0	0	53	73	438	159	506	114	688	0	0	2031
Sole, petrale.....	0	0	0	336	1690	3378	696	537	305	84	0	0	7026
Sole, rex.....	0	0	0	5	15	130	78	121	8	45	0	0	402
Sole, sand.....	0	0	0	0	75	4	0	7	0	0	0	0	86
Sturgeon, green.....	0	0	0	0	22	0	0	0	0	0	0	0	22
Sturgeon, white.....	0	0	0	0	0	18	0	0	0	0	0	0	18
Wrymouth, giant.....	0	0	0	0	0	0	6	0	0	0	0	0	6
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	150	0	0	0	0	0	0	150
Shrimp, pink.....	0	0	0	5373961	9742920	6552739	1321460	2042925	1157089	732031	0	0	26923125
Shrimp, spot.....	0	0	0	0	0	0	0	6383	7941	14215	7347	3486	39372
MOLLUSKS:													
Octopus.....	0	0	0	1893	764	1207	79	341	313	66	0	0	4663
Squid.....	0	0	0	0	0	140	0	12	0	0	0	0	152
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	0	10	0	0	0	0	0	0	10

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sea urchins, other sp	0	0	0	0	0	0	0	50	0	0	50	0	100
TOTAL	0	0	0	5474642	10231225	7239864	1479897	2264721	1241180	783887	9147	3604	28728167
<u>SQUID NET</u>													
MOLLUSKS:													
Squid.....	0	0	0	0	0	6558	0	117450	0	0	0	0	124008
TOTAL	0	0	0	0	0	6558	0	117450	0	0	0	0	124008
<u>SHRIMP POT</u>													
CRUSTACEANS:													
Shrimp, spot.....	0	0	0	0	0	0	36	0	0	0	195	609	840
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	0	0	317	0	317
TOTAL	0	0	0	0	0	0	36	0	0	0	512	609	1157
<u>CRAB POT</u>													
FISH:													
Cabazon.....	0	0	0	0	0	0	188	6	0	0	0	0	194
Flounder, arrowtooth..	0	0	0	2	0	0	0	0	0	0	0	0	2
Greenling sp.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Lingcod.....	0	20	14	0	0	0	0	0	0	0	0	13	47
Rockfish, other sp....	12	21	0	92	0	0	18	21	0	0	0	0	164
Sculpin, other sp.....	0	0	0	0	0	0	14	0	0	0	0	0	14
Wolf-eel.....	0	7	7	44	39	23	49	54	0	0	0	0	223
CRUSTACEANS:													
Crab, box.....	0	0	0	198	0	0	0	0	0	0	0	0	198
Crab, Dungeness, ocean	1982906	1012727	268266	154128	205700	224876	379469	356494	1210	0	0	5815037	10400813
Crab, hermit.....	0	0	0	11	0	0	0	19	0	0	0	0	30

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	2714	3284	1871	799	225	48	254	81	0	0	0	643	9919
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	5	0	0	0	5	0	0	0	0	10
TOTAL	1985632	1016059	270158	155279	205964	224947	379992	356682	1210	0	0	5815693	10411616
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	11317	28471	12609	2944	55341
Crab, kelp.....	0	0	0	0	0	0	0	0	0	0	0	1	1
Crab, rock.....	0	0	0	0	0	0	42	0	134	25	0	84	285
TOTAL	0	0	0	0	0	0	42	0	11451	28496	12609	3029	55627
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	0	300	0	74	0	0	0	374
Clams, cockle.....	73	1086	1894	591	888	370	929	640	3	0	1244	0	7718
Clams, gaper.....	0	0	0	0	0	0	95	0	0	0	25	0	120
Clams, littleneck.....	0	0	0	0	0	0	0	0	34	0	0	0	34
Clams, softshell.....	400	470	652	710	868	1140	848	852	524	288	188	372	7312
Clams, razor.....	0	0	0	0	0	8	35	0	19	0	0	0	62
TOTAL	473	1556	2546	1301	1756	1518	2207	1492	654	288	1457	372	15620
HAND DEVICE													
FISH:													
Greenling sp.....	5	0	0	0	0	0	0	0	0	0	0	0	5
Lamprey, Pacific.....	0	0	0	0	0	848	13053	3957	0	0	0	0	17858
Lord, red Irish.....	0	0	0	0	0	0	0	0	0	0	0	2	2
Surfperch sp.....	12	0	0	0	0	0	0	0	0	0	0	0	12

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, kelp.....	4	0	0	0	0	132	322	0	0	0	0	2	460
Shrimp, brine.....	0	0	0	0	8500	15500	13200	6000	0	0	0	0	43200
MOLLUSKS:													
Clams, butter.....	10	84	370	664	787	690	652	1652	365	193	441	100	6008
Clams, cockle.....	8443	11556	2718	5096	3361	6903	1986	283	977	972	11679	10215	64189
Clams, gaper.....	0	0	0	0	0	0	3024	560	0	800	0	960	5344
Clams, littleneck.....	131	136	319	1882	5108	5372	7615	7561	4729	3382	343	20	36598
Mussels, ocean.....	0	2564	2252	1579	1754	1735	2860	3012	1780	2619	1174	1605	22934
Mussels, freshwater...	0	0	0	0	0	0	0	0	2333	0	0	0	2333
Octopus.....	0	0	42	0	0	0	242	0	0	0	0	0	284
Snails & chitons.....	0	0	0	0	0	0	14	0	0	0	0	0	14
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	0	0	3072	2076	0	0	0	5148
Sea stars.....	14	0	0	0	0	562	380	133	0	0	0	141	1230
Sea urchin, purple....	1020	0	0	0	0	0	5949	3076	15898	1187	6555	550	34235
Sea urchin, red.....	236497	227973	121036	116108	265937	191465	186322	148339	198682	174703	206075	110129	2183266
TOTAL	246136	242313	126737	125329	285447	223207	235619	177645	226840	183856	226267	123724	2423120
SCALLOP DREDGE													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	640	623	0	0	1263
Flounder, starry.....	0	0	0	0	0	0	0	0	0	0	0	42	42
Lingcod.....	0	0	0	0	0	0	0	0	0	0	0	644	644
Rockfish, other sp....	0	0	0	0	0	0	0	0	0	0	0	161	161
Sole, English.....	0	0	0	0	0	0	0	0	0	0	0	284	284
Sole, petrale.....	0	0	0	0	0	0	0	0	0	0	0	133	133
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	0	321	321

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1993. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	52	0	0	0	52
Scallops, weathervane	0	0	891	0	0	0	0	21167	93708	92293	33251	44884	286194
TOTAL	0	0	891	0	0	0	0	21167	94400	92916	33251	46469	289094
BAITSHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost.....	3308	3743	4865	6158	8108	8814	6817	5195	7985	9783	3951	3535	72262
Shrimp, mud.....	9334	10684	9074	5174	2886	569	1025	658	922	1448	2843	3683	48300
TOTAL	12642	14427	13939	11332	10994	9383	7842	5853	8907	11231	6794	7218	120562
BAITFISH NET													
FISH:													
Herring, Pacific.....	0	163330	0	0	0	0	500	0	0	0	0	0	163830
Minnow, fathead.....	0	0	0	0	0	0	0	0	100	5	100	200	405
Smelt, other sp.....	0	0	0	0	0	0	200	0	0	111	0	0	311
TOTAL	0	163330	0	0	0	0	700	0	100	116	100	200	164546
CRAYFISH TRAP													
CRUSTACEANS:													
Crayfish.....	0	0	0	312	2626	18049	9368	8658	9574	8839	0	0	57426
TOTAL	0	0	0	312	2626	18049	9368	8658	9574	8839	0	0	57426
TOTAL	8143622	7475630	7323046	12051265	23662133	37645519	37007201	37531440	16128076	10027624	5698236	7721146	210414938

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, 1993

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	13	5	86	1248	505	0	0	47	10	125	0	16	0	2055
Cod, Pacific.....	0	280069	15264	0	0	51136	2898	0	5325	0	0	0	0	0	354692
Flounder, arrowtooth..	0	286626	12942	0	0	27566	4	0	26263	0	0	0	4152	0	357553
Flounder, starry.....	4	33942	1896	0	0	5112	367	0	7533	0	0	0	19	0	48873
Greenling sp.....	0	0	0	0	0	404	0	0	0	0	0	0	22	0	426
Grenadier.....	0	838	0	0	0	5	0	0	89774	0	35	0	892	0	91544
Hagfish sp.....	0	8546	0	0	0	0	0	0	41681	0	30559	0	0	0	80786
Halibut, Pacific.....	0	639218	2404	817	1769	128352	9588	9045	57911	0	3959	0	9062	0	862125
Herring, Pacific.....	0	33	0	0	0	42792	0	100	0	0	0	0	0	0	42925
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4028	4028
Lingcod.....	0	238889	26816	18384	8039	145772	1166	1968	164600	563	14261	513	49007	1022	671000
Lord, brown Irish.....	0	0	0	0	0	24	0	0	0	0	0	0	0	0	24
Lord, red Irish.....	0	0	0	0	0	149	0	0	0	0	0	0	0	0	149
Mackerel.....	0	0	0	5	0	3340	0	0	173	0	0	0	0	0	3518
Minnow, fathead.....	0	0	0	0	0	0	0	0	0	0	0	0	0	286	286
Pollock, walleye.....	0	0	0	0	0	0	0	0	148	0	0	0	0	0	148
Ratfish.....	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Pacific Ocean perch...	0	340468	1655	0	0	132196	0	0	3689	0	1669	0	407	0	480084
Nominal POP.....	0	163016	78305	0	0	670448	0	0	205671	0	0	1	22010	0	1139451
Rockfish, widow.....	0	1519305	135604	73	435	1420125	0	0	715923	0	2249	291	158694	0	3952699
Rockfish, yellowtail..	0	1111505	97901	0	289	435336	1830	829	169102	0	64190	2957	65256	0	1949195
Rockfish, other sp....	0	950694	108964	31138	31174	1052496	14674	4516	462666	9690	212661	2865	204696	1812	3088046
Thornyhead sp.....	0	1424479	53055	0	0	836032	0	500	1869703	0	0	0	197142	0	4380911
Sablefish.....	0	1807475	56628	0	0	1233163	232328	34839	919075	0	256718	0	213061	0	4753287
Salmon, chinook.....	516466	11465	160368	36903	12643	977707	133734	62716	185277	15960	57455	0	5527	1078	2177299
Salmon, chum.....	135	0	0	0	0	0	0	0	0	0	0	0	0	0	135
Salmon, coho.....	161669	7192	797	0	0	10	0	0	185	0	0	0	0	2101	171954
Salmon, pink.....	0	1	0	0	0	14	0	0	3	0	0	0	0	0	18

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1993(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
Sanddab, Pacific.....	0	16510	2579	0	0	18061	65120	0	77992	0	0	0	3736	0	183998
Sculpin, buffalo.....	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Sculpin, other sp.....	0	0	0	0	0	75	0	0	0	0	0	0	0	0	75
Shad, American.....	63607	51	0	0	0	0	0	3070	0	0	0	0	0	0	66728
Shark, blue.....	0	0	0	0	0	20	0	0	64	0	0	0	33	0	117
Shark, sixgill.....	0	0	0	0	0	0	0	0	52	0	0	0	0	0	52
Shark, soupfin.....	0	1112	0	0	0	388	57	0	546	0	0	0	149	0	2252
Shark, spiny dogfish..	0	6839	0	0	0	390	0	0	0	0	0	0	0	0	7229
Shark, thresher.....	0	0	0	0	0	248	0	0	41	0	0	0	156	0	445
Shark, other sp.....	0	0	0	0	0	724	0	0	0	0	0	0	0	0	724
Skates and rays.....	0	0	3	0	27	637	56	0	95	0	2	0	0	0	820
Smelt (eulachon).....	6565	0	0	0	0	0	0	0	0	0	0	0	0	0	6565
Smelt, other sp.....	0	0	0	0	0	5	0	40	0	0	0	0	83	0	128
Sole, butter.....	0	2	0	0	0	0	0	0	10	0	0	0	0	0	12
Sole, curlfin (turbot)	0	0	0	0	0	440	0	0	485	0	0	0	0	0	925
Sole, Dover.....	0	1280926	179002	0	0	605336	1162	0	1445514	0	1	0	367916	0	3879857
Sole, English.....	0	223281	16294	0	0	88298	4305	0	115178	0	0	0	25299	0	472655
Sole, flathead.....	0	3065	0	0	0	475	0	0	0	0	0	0	0	0	3540
Sole, petrale.....	0	462054	85815	1	0	213182	10561	0	453398	0	0	0	82275	0	1307286
Sole, rex.....	0	96501	8845	0	0	39167	597	0	15695	0	0	0	15522	0	176327
Sole, rock.....	0	232	0	0	0	601	21	0	647	0	0	0	0	0	1501
Sole, sand.....	0	123564	24096	0	0	103707	4328	0	72938	0	0	0	93	0	328726
Steelhead.....	76756	0	0	0	0	0	0	0	0	0	0	0	0	0	76756
Sturgeon, green.....	4946	390	24	0	0	1756	482	0	5834	0	0	0	0	0	13432
Sturgeon, white.....	258251	10	0	0	0	121	0	0	252	0	0	0	0	0	258634
Sturgeon, white - eggs	1052	0	0	0	0	0	0	0	0	0	0	0	0	0	1052
Surfperch sp.....	0	0	0	0	0	1656	0	0	0	0	0	0	802	0	2458
Tuna, albacore.....	0	1111998	104502	0	2842	1708464	48043	105000	662119	8764	17629	0	111968	0	3881329
Walleye.....	2164	0	0	0	0	0	0	0	0	0	0	0	0	0	2164

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1993(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
Whiting, Pac. (hake)..	0	516340	0	0	0	1758016	79	0	4213	0	0	0	0	0	2278648
Wolf-eel.....	0	27	6	4	108	79	0	0	115	0	0	0	0	0	339
Wrymouth, giant.....	0	12	0	0	0	0	0	0	8	0	0	0	0	0	20
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	504	0	0	100	0	0	0	0	0	604
Crab, Dungeness, bay..	0	0	0	0	0	1428	710	15860	25824	0	0	0	0	45594	89416
Crab, Dungeness, ocean	0	3718509	505452	14973	163953	2898722	297866	457368	1434419	2355	348401	233	1866536	0	11708787
Crab, hermit.....	0	0	0	0	0	76	0	0	0	0	0	0	0	0	76
Crab, kelp.....	0	0	0	0	0	417	0	0	0	0	0	0	0	0	417
Crab, rock.....	0	0	0	0	0	153	0	0	51	0	0	0	0	0	204
Crab, tanner.....	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	66761	66761
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	36720	36720
Shrimp, ghost.....	0	0	295	1757	0	0	5256	0	6010	0	0	0	0	75975	89293
Shrimp, mud.....	0	0	0	0	0	0	256	0	0	0	0	0	0	61065	61321
Shrimp, pink.....	0	2847937	955405	0	0	1755990	5443	2622	1931441	0	14573	0	1398195	0	8911606
Shrimp, spot.....	0	0	90588	0	0	288	0	0	1766	0	0	0	0	0	92642
MOLLUSKS:															
Clams, butter.....	0	0	2961	0	0	0	0	0	0	0	0	0	0	42	3003
Clams, cockle.....	0	0	31037	0	0	0	17	0	3283	0	0	0	0	334	34671
Clams, gaper.....	0	0	125	0	0	2405	0	0	152	0	0	0	0	0	2682
Clams, littleneck.....	0	0	6548	0	0	0	0	0	0	0	0	0	0	49008	55556
Clams, softshell.....	0	0	0	0	0	0	290	4448	0	0	0	0	0	50	4788
Clams, razor.....	0	0	0	0	0	142	0	0	0	0	0	0	0	0	142
Mussels, ocean.....	0	0	0	0	0	0	695	4349	0	0	0	0	0	2539	7583
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0	0	0	0	817	817
Octopus.....	0	5730	194	0	417	10140	0	0	1179	0	603	0	5877	0	24140
Scallops, weathervane	0	43538	0	0	0	64083	11	0	23836	0	0	0	0	0	131468
Snails & chitons.....	0	0	0	0	0	28	0	0	0	0	0	0	0	0	28

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1993(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	
Squid.....	0	44	0	0	0	12	0	0	31186	0	0	0	0	0	31242
OTHER INVERTEBRATES:															
Sea cucumber.....	0	0	0	0	0	0	0	0	0	0	6192	453	0	0	6645
Sea stars.....	0	0	0	0	40	2469	0	0	0	0	0	0	0	0	2509
Sea urchin, purple....	0	0	0	0	16999	245	0	0	3564	0	0	0	0	0	20808
Sea urchin, red.....	0	0	0	0	98483	193969	0	0	88169	0	1246398	192929	89067	0	1909015
Sea urchins, other sp	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100
TOTAL	1091615	19282446	2766375	104141	338466	16635713	841944	707270	11330925	37342	2277680	200242	4897670	349232	60861061

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, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	23	90	133	204	233	258	531	306	142	107	3	25	2055
Cod, Pacific.....	12962	8059	7666	16401	70950	66705	49284	38091	32520	32975	14931	4148	354692
Flounder, arrowtooth..	8758	11667	13988	18433	62091	86043	75184	34304	27382	11346	4887	3470	357553
Flounder, starry.....	50	1846	7230	295	3394	2326	4998	5251	13896	7973	1570	44	48873
Greenling sp.....	11	0	0	8	2	77	112	131	5	0	0	80	426
Grenadier.....	628	721	1035	3048	4125	8454	13337	8105	20715	18471	10859	2046	91544
Hagfish sp.....	0	1818	13886	10280	15345	13063	1028	0	1739	19021	4606	0	80786
Halibut, Pacific.....	0	0	0	7	177	177905	219650	280432	183954	0	0	0	862125
Herring, Pacific.....	0	42759	4	0	3	5	121	33	0	0	0	0	42925
Lamprey, Pacific.....	0	0	0	0	0	186	3037	805	0	0	0	0	4028
Lingcod.....	16873	32545	33860	17703	81444	84212	70106	98138	102079	77286	37523	19231	671000
Lord, brown Irish.....	0	0	0	0	0	24	0	0	0	0	0	0	24
Lord, red Irish.....	0	0	0	0	0	75	0	24	0	0	0	50	149
Mackerel.....	0	0	0	0	4	0	368	2375	366	170	0	235	3518
Minnow, fathead.....	0	0	0	0	0	0	0	0	240	1	15	30	286
Pollock, walleye.....	13	1	0	2	0	0	0	0	0	0	132	0	148
Ratfish.....	0	0	0	0	5	0	0	0	0	0	0	0	5
Pacific Ocean perch...	22945	34871	33129	16083	50170	52119	45769	57454	50554	62913	36358	17719	480084
Nominal POP.....	102549	78313	132303	66849	93469	64752	83596	102788	106543	156827	86686	64776	1139451
Rockfish, widow.....	407620	289949	282659	286559	357351	352792	387755	483496	395373	398840	275222	35083	3952699
Rockfish, yellowtail..	149802	159865	126812	103181	194995	245258	203280	219442	193122	184048	110857	58533	1949195
Rockfish, other sp....	131314	167028	242321	166018	418218	414361	375430	305692	315023	322544	163314	66783	3088046
Thornyhead sp.....	226891	354391	286976	210864	361862	395811	394031	402138	536071	606136	517865	87875	4380911
Sablefish.....	126874	162011	228396	124718	1950009	608861	246110	294592	489446	293293	193522	35455	4753287
Salmon, chinook.....	0	21011	44415	13330	485048	293351	233776	235797	634608	189860	26103	0	2177299
Salmon, chum.....	0	0	0	0	0	0	0	0	0	135	0	0	135
Salmon, coho.....	0	14	0	0	0	0	703	6397	117176	47664	0	0	171954
Salmon, pink.....	0	0	0	0	10	1	3	4	0	0	0	0	18
Sanddab, Pacific.....	28370	34352	27448	6911	11732	16616	9480	6517	6457	8889	19296	7930	183998

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1993. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sculpin, buffalo.....	0	0	0	0	0	3	0	0	0	0	0	0	3
Sculpin, other sp.....	0	0	0	0	0	5	40	30	0	0	0	0	75
Shad, American.....	0	0	0	0	16673	50055	0	0	0	0	0	0	66728
Shark, blue.....	0	0	0	0	0	30	69	18	0	0	0	0	117
Shark, sixgill.....	0	19	25	0	0	0	8	0	0	0	0	0	52
Shark, soupfin.....	235	300	107	30	81	682	276	23	63	233	121	101	2252
Shark, spiny dogfish..	0	0	0	6051	29	0	0	195	0	0	669	285	7229
Shark, thresher.....	0	0	0	0	0	156	0	0	0	289	0	0	445
Shark, other sp.....	22	0	0	0	0	702	0	0	0	0	0	0	724
Skates and rays.....	52	134	93	48	22	55	71	128	42	47	67	61	820
Smelt (eulachon).....	18	6110	437	0	0	0	0	0	0	0	0	0	6565
Smelt, other sp.....	5	0	0	0	0	0	40	0	0	83	0	0	128
Sole, butter.....	0	0	0	0	0	2	0	10	0	0	0	0	12
Sole, curlfin (turbot)	0	0	0	0	0	310	80	166	182	176	11	0	925
Sole, Dover.....	319056	357766	547634	190124	284019	307145	345979	359231	419097	409792	298207	41807	3879857
Sole, English.....	31949	39233	33142	7923	51111	54082	80564	50394	43316	45978	14754	20209	472655
Sole, flathead.....	0	0	0	1031	256	472	324	192	784	187	294	0	3540
Sole, petrale.....	339697	155330	61114	23714	57211	68767	64728	47969	66001	102920	91700	228135	1307286
Sole, rex.....	11846	26610	11620	11106	17096	18199	15334	12250	15055	20729	9351	7131	176327
Sole, rock.....	4	0	81	67	10	66	74	271	325	445	158	0	1501
Sole, sand.....	318	11712	22113	2422	31868	20975	38667	72432	92300	28376	7212	331	328726
Steelhead.....	0	926	3275	0	0	0	0	18534	48036	5985	0	0	76756
Sturgeon, green.....	0	76	28	21	1583	951	741	456	7299	1816	461	0	13432
Sturgeon, white.....	247	61410	57560	357	1172	9	100	1796	127014	8969	0	0	258634
Sturgeon, white - eggs	0	932	120	0	0	0	0	0	0	0	0	0	1052
Surfperch sp.....	24	0	49	108	0	66	781	534	161	40	0	695	2458
Tuna, albacore.....	0	0	0	0	0	0	170723	1042507	2154428	487153	26518	0	3881329
Walleye.....	0	91	579	0	0	0	0	658	818	18	0	0	2164
Whiting, Pac. (hake)..	0	0	736	64198	99213	609627	726774	711988	66112	0	0	0	2278648
Wolf-eel.....	0	9	4	75	63	27	64	96	1	0	0	0	339

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1993. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Wrymouth, giant.....	0	0	1	0	8	0	0	5	5	1	0	0	20
CRUSTACEANS:													
Crab, box.....	0	0	0	135	8	150	182	0	129	0	0	0	604
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	19943	46226	19320	3927	89416
Crab, Dungeness, ocean	1994958	1063105	307765	203220	281746	295480	496528	435618	898	0	0	6629469	11708787
Crab, hermit.....	0	0	0	0	0	0	0	76	0	0	0	0	76
Crab, kelp.....	4	0	0	0	0	132	278	0	0	0	0	3	417
Crab, rock.....	0	0	0	0	0	0	32	0	83	25	0	64	204
Crab, tanner.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Crayfish.....	0	0	0	343	3328	22752	9742	8462	11169	10965	0	0	66761
Shrimp, brine.....	0	0	0	0	7225	13175	11220	5100	0	0	0	0	36720
Shrimp, ghost.....	4056	4335	5747	7401	9928	11501	8828	6592	10169	11905	4726	4105	89293
Shrimp, mud.....	11863	13570	11459	6549	3692	743	1303	838	1173	1839	3611	4681	61321
Shrimp, pink.....	0	0	0	1791845	2992456	1983904	458523	817469	509951	357458	0	0	8911606
Shrimp, spot.....	0	0	0	0	0	0	288	16025	17757	31913	17044	9615	92642
MOLLUSKS:													
Clams, butter.....	5	59	184	347	532	322	344	649	203	92	221	45	3003
Clams, cockle.....	4157	6196	2427	2651	1958	3308	1436	812	403	437	5980	4906	34671
Clams, gaper.....	0	0	0	0	0	0	1772	244	0	280	50	336	2682
Clams, littleneck.....	238	261	491	2731	7603	8124	11597	11562	6933	5402	584	30	55556
Clams, softshell.....	249	320	470	565	568	708	526	530	326	179	117	230	4788
Clams, razor.....	0	0	0	0	0	14	80	0	48	0	0	0	142
Mussels, ocean.....	0	664	691	526	612	733	1151	909	749	802	395	351	7583
Mussels, freshwater...	0	0	0	0	0	0	0	0	817	0	0	0	817
Octopus.....	2751	3158	1404	2278	2107	2227	5905	1783	1077	346	220	884	24140
Scallops, weathervane	0	0	402	0	0	0	0	10605	42246	44149	15671	18395	131468
Snails & chitons.....	0	0	0	0	0	0	28	0	0	0	0	0	28
Squid.....	0	4	21	0	5	1821	2	29389	0	0	0	0	31242

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1993. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	0	0	3842	2803	0	0	0	6645
Sea stars.....	27	0	0	28	0	815	1141	120	0	0	0	378	2509
Sea urchin, purple....	714	0	0	0	0	0	3438	2235	8435	594	4869	523	20808
Sea urchin, red.....	315316	383944	123702	97332	146525	94134	92081	90338	137309	116840	156002	155492	1909015
Sea urchins, other sp	0	0	0	0	0	0	0	100	0	0	0	0	100
TOTAL	4273494	3537585	2675742	3484120	8179345	6455684	4969555	6345493	7041071	4181188	2182082	7535702	60861061

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1993. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Flounder, starry.....	0	0	4	0	0	0	0	0	0	0	0	0	4
Salmon, chinook.....	0	21011	44415	13330	24900	0	0	821	179859	14323	0	0	298659
Salmon, chum.....	0	0	0	0	0	0	0	0	0	135	0	0	135
Salmon, coho.....	0	0	0	0	0	0	0	2968	107233	46839	0	0	157040
Shad, American.....	0	0	0	0	15113	48070	0	0	0	0	0	0	63183
Smelt (eulachon).....	18	6110	437	0	0	0	0	0	0	0	0	0	6565
Sturgeon, green.....	0	10	0	0	0	0	0	0	4928	8	0	0	4946
Sturgeon, white.....	0	10214	7337	357	1160	0	0	281	126785	8936	0	0	155070
TOTAL	18	37345	52193	13687	41173	48070	0	4070	418805	70241	0	0	685602
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	43952	169058	4797	0	0	217807
Salmon, coho.....	0	14	0	0	0	0	0	33	3942	640	0	0	4629
Shad, American.....	0	0	0	0	0	424	0	0	0	0	0	0	424
Steelhead.....	0	926	3275	0	0	0	0	18534	48036	5985	0	0	76756
Sturgeon, white.....	247	51196	50223	0	0	0	0	1515	0	0	0	0	103181
Sturgeon, white - eggs	0	932	120	0	0	0	0	0	0	0	0	0	1052
Walleye.....	0	91	579	0	0	0	0	658	818	18	0	0	2164
TOTAL	247	53159	54197	0	0	424	0	64692	221854	11440	0	0	406013
TOTAL	265	90504	106390	13687	41173	48494	0	68762	640659	81681	0	0	1091615

1/ OREGON LANDINGS ONLY

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1993. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	7	0	0	0	0	0	6	0	0	0	0	13
Cod, Pacific.....	9092	6592	6866	12808	60145	47614	37573	29412	25381	28988	12343	3255	280069
Flounder, arrowtooth..	5548	6995	9555	16252	56224	78268	65141	23660	17423	5655	1377	528	286626
Flounder, starry.....	8	1843	6875	284	2297	412	2675	2531	9370	6243	1398	6	33942
Grenadier.....	0	0	0	0	0	0	48	115	57	364	239	15	838
Hagfish sp.....	0	0	8546	0	0	0	0	0	0	0	0	0	8546
Halibut, Pacific.....	0	0	0	7	0	177683	30355	270997	160176	0	0	0	639218
Herring, Pacific.....	0	0	0	0	0	0	0	33	0	0	0	0	33
Lingcod.....	4532	8932	9172	9848	34198	25612	20140	30738	45535	28145	15192	6845	238889
Pacific Ocean perch...	15496	23189	21421	8538	31166	38785	35974	46198	36085	48525	25229	9862	340468
Nominal POP.....	728	4938	6260	1921	10746	16096	17072	27775	27569	30397	12261	7253	163016
Rockfish, widow.....	137305	98301	122491	131714	124190	149861	159441	212786	160136	130895	79228	12957	1519305
Rockfish, yellowtail..	72393	96796	61861	43967	131784	170328	119382	119992	103351	96632	66378	28641	1111505
Rockfish, other sp....	46677	51626	91724	66734	141010	122527	85402	79147	81764	100011	63553	20519	950694
Thornyhead sp.....	14938	70999	80961	44422	124692	160909	121570	162348	223599	231774	166639	21628	1424479
Sablefish.....	32862	71937	92294	50988	637835	216320	85482	100340	309800	133084	66166	10367	1807475
Salmon, chinook.....	0	0	0	0	6200	346	1986	1205	1235	493	0	0	11465
Salmon, coho.....	0	0	0	0	0	0	272	1500	5420	0	0	0	7192
Salmon, pink.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Sanddab, Pacific.....	476	5006	4024	205	1816	1170	897	337	1826	543	210	0	16510
Shad, American.....	0	0	0	0	51	0	0	0	0	0	0	0	51
Shark, soupfin.....	93	210	27	0	13	514	44	23	40	49	28	71	1112
Shark, spiny dogfish..	0	0	0	6051	16	0	0	105	0	0	667	0	6839
Sole, butter.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Sole, Dover.....	66760	158068	262748	90851	134944	114565	89028	87055	103417	98622	67311	7557	1280926
Sole, English.....	6765	26096	14588	1892	31615	31781	46684	25494	13644	15214	5964	3544	223281
Sole, flathead.....	0	0	0	556	256	472	324	192	784	187	294	0	3065
Sole, petrale.....	101898	83174	16923	3899	21456	25758	16945	21359	38393	49532	22756	59961	462054
Sole, rex.....	3245	19066	7023	1241	13403	14510	11237	4278	6240	12315	2245	1698	96501

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1993. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rock.....	0	0	77	0	0	0	0	0	155	0	0	0	232
Sole, sand.....	35	11526	21978	1958	14035	2945	14074	14405	26786	10056	5763	3	123564
Sturgeon, green.....	0	66	28	21	123	33	42	49	12	0	16	0	390
Sturgeon, white.....	0	0	0	0	0	0	0	0	10	0	0	0	10
Tuna, albacore.....	0	0	0	0	0	0	7200	254839	674752	153558	21649	0	1111998
Whiting, Pac. (hake)..	0	0	0	21856	10280	149562	180838	136545	17259	0	0	0	516340
Wolf-eel.....	0	2	0	2	15	0	0	8	0	0	0	0	27
Wrymouth, giant.....	0	0	0	0	4	0	0	5	3	0	0	0	12
CRUSTACEANS:													
Crab, Dungeness, ocean	407522	175936	81573	47276	50178	35237	25507	23587	898	0	0	2870795	3718509
Shrimp, pink.....	0	0	0	637268	960980	706728	207236	248512	55148	32065	0	0	2847937
MOLLUSKS:													
Octopus.....	123	273	154	168	1111	1341	1450	457	304	140	43	166	5730
Scallops, weathervane	0	0	0	0	0	0	0	2535	27363	13640	0	0	43538
Squid.....	0	4	21	0	5	0	2	12	0	0	0	0	44
OTHER INVERTEBRATES:													
TOTAL	926496	921582	927190	1200727	2600788	2289379	1384021	1928581	2173935	1227127	636949	3065671	19282446

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

2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

TABLE 45A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GEARHART/SEASIDE, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	0	0	0	7	0	0	0	7
Rockfish, other sp....	0	0	0	0	0	0	0	0	51	0	0	0	51
Salmon, chinook.....	0	0	0	0	0	0	53	153	0	0	0	0	206
Salmon, coho.....	0	0	0	0	0	0	106	104	0	0	0	0	210
TOTAL	0	0	0	0	0	0	159	257	58	0	0	0	474

96

TABLE 45B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CANNON BEACH, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	14	672	326	3	0	0	0	1015
Rockfish, other sp....	0	0	0	0	0	333	860	398	170	0	0	0	1761
Salmon, chinook.....	0	0	0	0	0	0	420	380	72	0	0	0	872
Salmon, coho.....	0	0	0	0	0	0	205	1478	208	0	0	0	1891
MOLLUSKS:													
Mussels, ocean.....	0	0	66	125	131	286	442	279	413	252	97	0	2091
TOTAL	0	0	66	125	131	633	2599	2861	866	252	97	0	7630

TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	0	100	40	140
Shrimp, ghost.....	48	42	64	79	96	89	132	107	262	1537	736	73	3265
Shrimp, mud.....	0	17	0	0	0	0	0	0	0	0	0	0	17
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	0	0	0	0	42	0	0	42
Clams, littleneck.....	0	0	188	1669	7101	7028	10544	10696	6135	5402	245	0	49008
Clams, softshell.....	0	4	46	0	0	0	0	0	0	0	0	0	50
Mussels, ocean.....	0	0	0	0	3	0	0	0	0	0	0	0	3
TOTAL	48	63	298	1748	7200	7117	10676	10803	6397	6981	1081	113	52525

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	5	0	0	0	0	0	0	0	5
Cod, Pacific.....	405	1226	339	245	2413	696	3872	3097	1070	1415	281	205	15264
Flounder, arrowtooth..	1163	1499	841	0	92	53	1797	2709	1983	1193	1177	435	12942
Flounder, starry.....	0	0	0	0	301	265	210	277	785	58	0	0	1896
Halibut, Pacific.....	0	0	0	0	0	0	2404	0	0	0	0	0	2404
Lingcod.....	518	1332	566	78	1706	897	7867	10087	1709	1251	407	398	26816
Pacific Ocean perch...	0	0	0	0	0	0	0	0	510	0	787	358	1655
Nominal POP.....	4797	10739	4665	1946	5640	3736	11304	9975	8713	12344	1733	2713	78305
Rockfish, widow.....	15930	26848	11308	2638	1559	3450	8938	20281	16847	13437	11508	2860	135604
Rockfish, yellowtail..	14614	16605	14789	3904	3766	1829	3344	13278	8447	7363	4868	5094	97901
Rockfish, other sp....	3805	5262	5084	4241	29139	23136	5862	10604	8730	8601	3214	1286	108964
Thornyhead sp.....	4697	2937	1843	0	846	75	6273	5518	10544	14241	4785	1296	53055
Sablefish.....	5106	3896	2632	14	2322	403	8205	10077	9413	7519	5707	1334	56628
Salmon, chinook.....	0	0	0	0	3893	1963	12698	10704	65782	65328	0	0	160368
Salmon, coho.....	0	0	0	0	0	0	120	304	373	0	0	0	797
Sanddab, Pacific.....	0	0	0	29	276	1906	295	11	0	62	0	0	2579
Skates and rays.....	0	0	0	0	3	0	0	0	0	0	0	0	3
Sole, Dover.....	16856	10609	6307	253	5342	3851	31098	27450	37364	17853	19447	2572	179002
Sole, English.....	759	502	149	71	1864	352	6793	1029	542	2623	797	813	16294
Sole, petrale.....	29535	3024	585	112	2700	1048	7653	2433	1276	3351	7309	26789	85815
Sole, rex.....	1164	882	337	4	189	136	1386	1012	1635	947	589	564	8845
Sole, sand.....	0	0	0	0	4404	1504	1657	2834	13006	691	0	0	24096
Sturgeon, green.....	0	0	0	0	12	12	0	0	0	0	0	0	24
Tuna, albacore.....	0	0	0	0	0	0	281	14152	83273	6796	0	0	104502
Wolf-eel.....	0	0	0	0	3	0	0	3	0	0	0	0	6
CRUSTACEANS:													
Crab, Dungeness, ocean	69755	52034	32003	29254	73978	43656	42908	17231	0	0	0	144633	505452
Shrimp, ghost.....	0	11	47	23	35	66	49	38	0	26	0	0	295
Shrimp, pink.....	0	0	0	202908	533912	177406	7648	25549	585	7397	0	0	955405

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, spot.....	0	0	0	0	0	0	0	16025	17757	31913	17044	7849	90588
MOLLUSKS:													
Clams, butter.....	5	59	184	347	532	322	344	649	203	50	221	45	2961
Clams, cockle.....	4120	5549	1294	1982	1545	3243	896	682	403	437	5980	4906	31037
Clams, gaper.....	0	0	0	0	0	0	125	0	0	0	0	0	125
Clams, littleneck.....	238	261	303	1062	502	1096	1053	866	798	0	339	30	6548
Octopus.....	0	0	0	0	0	0	0	0	3	0	159	32	194
TOTAL	173467	143275	83276	249111	676979	271101	175080	206875	291751	204896	86352	204212	2766375

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	0	216	216	0	0	0	0	0	0	0	0	432
Shrimp, mud.....	11858	13544	11435	6535	3549	630	1303	838	1173	1839	3611	4679	60994
MOLLUSKS:													
Clams, cockle.....	0	16	0	0	0	0	0	0	0	0	0	0	16
TOTAL	11858	13560	11651	6751	3549	630	1303	838	1173	1839	3611	4679	61442

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	5	0	0	0	0	0	9	35	25	9	3	0	86
Halibut, Pacific.....	0	0	0	0	0	0	817	0	0	0	0	0	817
Lingcod.....	2416	2764	3847	177	1385	2111	2822	1067	1271	401	123	0	18384
Mackerel.....	0	0	0	0	2	0	3	0	0	0	0	0	5
Rockfish, widow.....	0	0	0	0	0	0	73	0	0	0	0	0	73
Rockfish, other sp....	347	569	1517	486	3367	7619	5544	4425	6480	777	7	0	31138
Salmon, chinook.....	0	0	0	0	9379	2936	549	2102	18988	2949	0	0	36903
Sole, petrale.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Wolf-eel.....	0	0	0	0	4	0	0	0	0	0	0	0	4
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	0	0	802	1606	7139	5426	0	0	0	0	14973
Shrimp, ghost.....	86	72	48	42	179	144	103	0	380	548	82	73	1757
TOTAL	2854	3405	5412	705	15118	14416	17059	13056	27144	4684	215	73	104141

TABLE 50. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SILETZ BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	21	20	22	24	31	13	0	0	0	0	0	131
TOTAL	0	21	20	22	24	31	13	0	0	0	0	0	131

TABLE 51. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	44	111	203	199	163	104	246	80	98	0	0	1248
Halibut, Pacific.....	0	0	0	0	0	0	1769	0	0	0	0	0	1769
Lingcod.....	154	834	481	578	1194	1252	753	500	690	1389	214	0	8039
Rockfish, widow.....	0	435	0	0	0	0	0	0	0	0	0	0	435
Rockfish, yellowtail..	0	0	0	0	289	0	0	0	0	0	0	0	289
Rockfish, other sp....	0	829	2472	1821	5205	2670	2945	2906	2814	5649	3430	433	31174
Salmon, chinook.....	0	0	0	0	1089	831	4013	1988	1390	2558	774	0	12643
Skates and rays.....	0	0	0	0	0	0	27	0	0	0	0	0	27
Tuna, albacore.....	0	0	0	0	0	0	0	508	2334	0	0	0	2842
Wolf-eel.....	0	0	0	29	18	8	20	33	0	0	0	0	108
CRUSTACEANS:													
Crab, Dungeness, ocean	44257	24008	9658	10938	12928	10266	9391	14290	0	0	0	28217	163953
MOLLUSKS:													
Octopus.....	288	0	0	0	9	0	120	0	0	0	0	0	417
OTHER INVERTEBRATES:													
Sea stars.....	0	0	0	0	0	0	0	40	0	0	0	0	40
Sea urchin, purple....	714	0	0	0	0	0	3193	2235	4871	594	4869	523	16999
Sea urchin, red.....	5679	16523	10383	7705	12709	10344	6377	11715	7891	5671	996	2490	98483
TOTAL	51092	42673	23105	21274	33640	25534	28712	34461	20070	15959	10283	31663	338466

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	15	0	0	0	14	401	15	37	0	0	23	505
Cod, Pacific.....	581	227	402	3217	8186	15002	7536	5364	5755	2099	2169	598	51136
Flounder, arrowtooth..	373	1069	1567	1059	3686	4272	4979	3722	4213	1740	466	420	27566
Flounder, starry.....	40	3	339	4	489	316	1001	930	906	912	172	0	5112
Greenling sp.....	11	0	0	8	0	72	105	128	0	0	0	80	404
Grenadier.....	0	0	0	0	0	0	0	0	0	5	0	0	5
Halibut, Pacific.....	0	0	0	0	177	222	94740	9435	23778	0	0	0	128352
Herring, Pacific.....	0	42759	4	0	3	5	21	0	0	0	0	0	42792
Lingcod.....	2914	6006	7558	3500	28572	28887	15113	15040	17763	11026	6707	2686	145772
Lord, brown Irish.....	0	0	0	0	0	24	0	0	0	0	0	0	24
Lord, red Irish.....	0	0	0	0	0	75	0	24	0	0	0	50	149
Mackerel.....	0	0	0	0	0	0	365	2374	366	0	0	235	3340
Ratfish.....	0	0	0	0	5	0	0	0	0	0	0	0	5
Pacific Ocean perch...	7449	11247	11708	6862	16292	12614	9795	11064	13959	13786	10048	7372	132196
Nominal POP.....	84027	51990	104853	54778	65490	23123	33747	41286	49530	70127	53166	38331	670448
Rockfish, widow.....	177372	84596	90756	97023	131031	115584	131117	124343	144672	179480	129222	14929	1420125
Rockfish, yellowtail..	43697	30507	34282	24639	40500	47722	42117	38116	44135	48289	28999	12333	435336
Rockfish, other sp....	28413	70999	88772	63915	158701	148004	153364	75961	84686	105673	48743	25265	1052496
Thornyhead sp.....	62844	104948	52517	29575	117445	65552	61764	69226	79888	99101	72751	20421	836032
Sablefish.....	30410	34518	53922	24065	604000	209651	55196	64909	60487	55107	33357	7541	1233163
Salmon, chinook.....	0	0	0	0	346233	212857	178107	111375	79577	44298	5260	0	977707
Salmon, coho.....	0	0	0	0	0	0	0	10	0	0	0	0	10
Salmon, pink.....	0	0	0	0	7	1	3	3	0	0	0	0	14
Sanddab, Pacific.....	3623	3969	1903	1299	793	130	2733	254	826	1385	865	281	18061
Sculpin, buffalo.....	0	0	0	0	0	3	0	0	0	0	0	0	3
Sculpin, other sp.....	0	0	0	0	0	5	40	30	0	0	0	0	75
Shark, blue.....	0	0	0	0	0	20	0	0	0	0	0	0	20
Shark, soupfin.....	0	0	39	0	42	23	170	0	0	18	66	30	388
Shark, spiny dogfish..	0	0	0	0	13	0	0	90	0	0	2	285	390

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, thresher.....	0	0	0	0	0	0	0	0	0	248	0	0	248
Shark, other sp.....	22	0	0	0	0	702	0	0	0	0	0	0	724
Skates and rays.....	52	134	45	48	19	55	44	40	28	44	67	61	637
Smelt, other sp.....	5	0	0	0	0	0	0	0	0	0	0	0	5
Sole, curlfin (turbot)	0	0	0	0	0	112	48	53	154	62	11	0	440
Sole, Dover.....	34898	34443	46763	35837	62305	64013	59704	62130	66662	89678	37985	10918	605336
Sole, English.....	8102	4034	6118	2401	8150	6964	10181	11756	11801	13804	3315	1672	88298
Sole, flathead.....	0	0	0	475	0	0	0	0	0	0	0	0	475
Sole, petrale.....	18558	16715	20871	12101	22472	22817	14157	9175	9929	29068	15333	21986	213182
Sole, rex.....	3618	3792	2244	9358	2841	2408	1520	1953	3455	4326	1868	1784	39167
Sole, rock.....	0	0	0	57	0	34	69	43	146	105	147	0	601
Sole, sand.....	82	186	0	55	11283	14633	12908	33894	18985	10247	1394	40	103707
Sturgeon, green.....	0	0	0	0	89	20	252	70	83	829	413	0	1756
Sturgeon, white.....	0	0	0	0	12	9	100	0	0	0	0	0	121
Surfperch sp.....	24	0	0	0	0	66	781	90	0	0	0	695	1656
Tuna, albacore.....	0	0	0	0	0	0	110255	521921	882048	190541	3699	0	1708464
Whiting, Pac. (hake)..	0	0	0	39401	88318	460065	545936	575443	48853	0	0	0	1758016
Wolf-eel.....	0	7	0	39	7	7	18	1	0	0	0	0	79
CRUSTACEANS:													
Crab, box.....	0	0	0	35	8	150	182	0	129	0	0	0	504
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	0	82	614	732	1428
Crab, Dungeness, ocean	373641	124953	51925	45785	55314	109085	181817	163358	0	0	0	1792844	2898722
Crab, hermit.....	0	0	0	0	0	0	0	76	0	0	0	0	76
Crab, kelp.....	4	0	0	0	0	132	278	0	0	0	0	3	417
Crab, rock.....	0	0	0	0	0	0	32	0	32	25	0	64	153
Crab, tanner.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Shrimp, pink.....	0	0	0	81929	709723	530846	111864	191208	90225	40195	0	0	1755990
Shrimp, spot.....	0	0	0	0	0	0	288	0	0	0	0	0	288

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, gaper.....	0	0	0	0	0	0	1545	244	0	280	0	336	2405
Clams, razor.....	0	0	0	0	0	14	80	0	48	0	0	0	142
Octopus.....	1083	1425	168	894	337	188	4104	894	461	45	18	523	10140
Scallops, weathervane	0	0	0	0	0	0	0	8070	14883	30498	10632	0	64083
Snails & chitons.....	0	0	0	0	0	0	28	0	0	0	0	0	28
Squid.....	0	0	0	0	0	0	0	12	0	0	0	0	12
OTHER INVERTEBRATES:													
Sea stars.....	27	0	0	28	0	815	1141	80	0	0	0	378	2469
Sea urchin, purple....	0	0	0	0	0	0	245	0	0	0	0	0	245
Sea urchin, red.....	0	0	0	0	18853	68162	65663	25130	10339	5822	0	0	193969
Sea urchins, other sp	0	0	0	0	0	0	0	100	0	0	0	0	100
TOTAL	881870	628542	576756	538387	2501396	2165475	1915658	2179440	1768839	1048945	467489	1962916	16635713

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPORT, 1993.

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	12315	25856	6176	1107	45454
Shrimp, ghost.....	3457	3734	4819	6514	7892	7985	7344	5802	8457	9006	3600	3537	72147
Shrimp, mud.....	5	9	24	14	0	0	0	0	0	0	0	2	54
MOLLUSKS:													
Clams, cockle.....	0	0	0	318	0	0	0	0	0	0	0	0	318
Mussels, ocean.....	0	0	0	0	26	0	139	0	0	0	0	0	165
TOTAL	3462	3743	4843	6846	7918	7985	7483	5802	20772	34862	9776	4646	118138

TABLE 53A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT YACHTS, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Mussels, ocean.....	0	168	0	0	0	0	0	112	0	0	0	0	280
TOTAL	0	168	0	0	0	0	0	112	0	0	0	0	280

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	2827	0	0	66	2	0	0	0	0	0	3	0	2898
Flounder, arrowtooth..	0	0	0	4	0	0	0	0	0	0	0	0	4
Flounder, starry.....	0	0	0	0	0	0	0	72	144	151	0	0	367
Halibut, Pacific.....	0	0	0	0	0	0	9588	0	0	0	0	0	9588
Lingcod.....	0	0	16	94	176	146	509	96	43	86	0	0	1166
Rockfish, yellowtail..	162	0	0	15	0	51	267	871	0	0	464	0	1830
Rockfish, other sp....	173	0	7	83	286	1222	3917	4103	2677	1337	869	0	14674
Sablefish.....	0	0	1	139	195880	36282	0	26	0	0	0	0	232328
Salmon, chinook.....	0	0	0	0	12261	19902	17871	33950	34820	14930	0	0	133734
Sanddab, Pacific.....	7425	13661	8386	5333	8768	9488	3771	2517	1757	2214	1800	0	65120
Shark, soupfin.....	0	22	0	12	0	0	23	0	0	0	0	0	57
Skates and rays.....	0	0	48	0	0	0	0	0	8	0	0	0	56
Sole, Dover.....	21	17	36	466	211	241	36	134	0	0	0	0	1162
Sole, English.....	231	175	130	653	1046	310	483	231	435	571	40	0	4305
Sole, petrale.....	694	462	974	3642	1394	786	1005	335	672	564	33	0	10561
Sole, rex.....	190	73	2	12	0	228	0	0	79	13	0	0	597
Sole, rock.....	0	0	0	0	0	18	0	0	3	0	0	0	21
Sole, sand.....	0	0	0	0	23	46	0	861	1629	1744	25	0	4328
Sturgeon, green.....	0	0	0	0	0	0	0	0	247	203	32	0	482
Tuna, albacore.....	0	0	0	0	0	0	58	10877	31708	5400	0	0	48043
Whiting, Pac. (hake)..	0	0	0	41	38	0	0	0	0	0	0	0	79
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	612	98	0	0	710
Crab, Dungeness, ocean	21509	13426	7694	9135	7182	33323	82102	80739	0	0	0	42756	297866
Shrimp, ghost.....	0	0	149	187	1117	2339	430	90	453	423	68	0	5256
Shrimp, mud.....	0	0	0	0	143	113	0	0	0	0	0	0	256
Shrimp, pink.....	0	0	0	2935	2508	0	0	0	0	0	0	0	5443

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	17	0	0	0	0	0	0	17
Clams, softshell.....	0	40	70	180	0	0	0	0	0	0	0	0	290
Mussels, ocean.....	0	100	150	100	120	100	75	0	0	0	50	0	695
Scallops, weathervane	0	0	0	0	0	0	0	0	0	11	0	0	11
TOTAL	33232	27976	17663	23097	231155	104612	120135	134902	75287	27745	3384	42756	841944

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	9045	0	0	0	0	0	9045
Herring, Pacific.....	0	0	0	0	0	0	100	0	0	0	0	0	100
Lingcod.....	152	130	5	0	447	421	148	7	88	298	230	42	1968
Rockfish, yellowtail..	0	0	0	0	0	0	829	0	0	0	0	0	829
Rockfish, other sp....	44	36	159	0	979	1089	1725	217	104	137	24	2	4516
Thornyhead sp.....	0	500	0	0	0	0	0	0	0	0	0	0	500
Sablefish.....	0	0	0	0	10219	24391	229	0	0	0	0	0	34839
Salmon, chinook.....	0	0	0	0	28940	15711	5145	4742	6772	1406	0	0	62716
Shad, American.....	0	0	0	0	1509	1561	0	0	0	0	0	0	3070
Smelt, other sp.....	0	0	0	0	0	0	40	0	0	0	0	0	40
Tuna, albacore.....	0	0	0	0	0	0	2550	55768	29981	16701	0	0	105000
CRUSTACEANS:													
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	3839	7003	4886	132	15860
Crab, Dungeness, ocean	54649	26571	15606	11232	19566	21986	67867	57691	0	0	0	182200	457368
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	2622	0	0	2622
MOLLUSKS:													
Clams, softshell.....	249	276	354	385	568	708	526	530	326	179	117	230	4448
Mussels, ocean.....	0	396	475	301	332	347	495	518	336	550	248	351	4349
TOTAL	55094	27909	16599	11918	62560	66214	88699	119473	41446	28896	5505	182957	707270

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	5	10	0	0	25	4	1	0	0	0	2	47
Cod, Pacific.....	57	14	59	65	204	3393	303	218	314	473	135	90	5325
Flounder, arrowtooth..	1561	1775	1842	1084	1961	3314	2831	3022	2788	2482	1516	2087	26263
Flounder, starry.....	2	0	12	7	288	1333	1112	1441	2691	609	0	38	7533
Grenadier.....	628	721	1035	2891	4118	8438	13064	7990	20261	18036	10561	2031	89774
Hagfish sp.....	0	1818	5340	4931	8478	7083	1028	0	0	10130	2873	0	41681
Halibut, Pacific.....	0	0	0	0	0	0	57911	0	0	0	0	0	57911
Lingcod.....	4252	11849	10175	2268	10904	21034	9981	22276	24916	26223	11703	9019	164600
Mackerel.....	0	0	0	0	2	0	0	1	0	170	0	0	173
Pollock, walleye.....	13	1	0	2	0	0	0	0	0	0	132	0	148
Pacific Ocean perch...	0	435	0	683	1050	306	0	192	0	602	294	127	3689
Nominal POP.....	12673	10485	16510	7982	10715	19948	15448	18416	18399	40594	18022	16479	205671
Rockfish, widow.....	72634	78341	48518	28416	89093	83126	60064	106550	46079	56026	42739	4337	715923
Rockfish, yellowtail..	10422	14681	13687	11582	18550	19448	6837	20641	15954	19013	6468	11819	169102
Rockfish, other sp....	21162	20250	36990	19799	44636	69995	44352	61688	50248	54824	25056	13666	462666
Thornyhead sp.....	134552	168950	142950	114084	104909	134769	189256	144264	197514	241027	253323	44105	1869703
Sablefish.....	52888	45761	69306	39431	212425	87257	75424	83489	79387	83690	74133	15884	919075
Salmon, chinook.....	0	0	0	0	48887	38550	12934	22328	54104	8187	287	0	185277
Salmon, coho.....	0	0	0	0	0	0	0	0	0	185	0	0	185
Salmon, pink.....	0	0	0	0	3	0	0	0	0	0	0	0	3
Sanddab, Pacific.....	16846	11716	13128	31	29	3365	252	2342	1694	4537	16403	7649	77992
Shark, blue.....	0	0	0	0	0	10	36	18	0	0	0	0	64
Shark, sixgill.....	0	19	25	0	0	0	8	0	0	0	0	0	52
Shark, soupfin.....	142	68	41	18	26	115	39	0	0	97	0	0	546
Shark, thresher.....	0	0	0	0	0	0	0	0	0	41	0	0	41
Skates and rays.....	0	0	0	0	0	0	0	86	6	3	0	0	95
Sole, butter.....	0	0	0	0	0	0	0	10	0	0	0	0	10
Sole, curlfin (turbot)	0	0	0	0	0	198	32	113	28	114	0	0	485
Sole, Dover.....	168756	129138	206196	45710	58273	111729	129932	117216	151189	173912	133036	20427	1445514

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, English.....	16028	8219	12137	2899	7987	12900	7734	7786	9537	11400	4371	14180	115178
Sole, petrale.....	165147	39242	21228	3896	9044	14002	6311	8004	10389	15654	41082	119399	453398
Sole, rex.....	1702	1579	969	262	312	631	583	1619	1020	1617	2316	3085	15695
Sole, rock.....	4	0	4	10	10	14	5	228	21	340	11	0	647
Sole, sand.....	201	0	135	409	2061	1847	10020	20415	31894	5638	30	288	72938
Sturgeon, green.....	0	0	0	0	1359	886	447	337	2029	776	0	0	5834
Sturgeon, white.....	0	0	0	0	0	0	0	0	219	33	0	0	252
Tuna, albacore.....	0	0	0	0	0	0	50379	158428	359594	92548	1170	0	662119
Whiting, Pac. (hake)..	0	0	736	2900	577	0	0	0	0	0	0	0	4213
Wolf-eel.....	0	0	4	5	16	12	26	51	1	0	0	0	115
Wrymouth, giant.....	0	0	1	0	4	0	0	0	2	1	0	0	8
CRUSTACEANS:													
Crab, box.....	0	0	0	100	0	0	0	0	0	0	0	0	100
Crab, Dungeness, bay..	0	0	0	0	0	0	0	0	3177	13187	7544	1916	25824
Crab, Dungeness, ocean	145870	61966	14980	18943	23184	25914	55650	34566	0	0	0	1053346	1434419
Crab, rock.....	0	0	0	0	0	0	0	0	51	0	0	0	51
Shrimp, ghost.....	465	455	384	318	585	847	757	555	617	365	240	422	6010
Shrimp, pink.....	0	0	0	534621	538480	247482	87126	231337	155492	136903	0	0	1931441
Shrimp, spot.....	0	0	0	0	0	0	0	0	0	0	0	1766	1766
MOLLUSKS:													
Clams, cockle.....	37	631	1133	351	413	48	540	130	0	0	0	0	3283
Clams, gaper.....	0	0	0	0	0	0	102	0	0	0	50	0	152
Octopus.....	62	0	81	267	286	181	46	119	21	116	0	0	1179
Scallops, weathervane	0	0	402	0	0	0	0	0	0	0	5039	18395	23836
Squid.....	0	0	0	0	0	1821	0	29365	0	0	0	0	31186
OTHER INVERTEBRATES:													
Sea urchin, purple....	0	0	0	0	0	0	0	0	3564	0	0	0	3564
Sea urchin, red.....	15391	0	0	0	12854	9260	847	0	27143	22674	0	0	88169
TOTAL	841495	608119	618018	843965	1211723	929281	841421	1105242	1270343	1042227	658534	1360557	11330925

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	0	10	0	0	0	0	0	0	10
Lingcod.....	0	0	0	0	0	31	512	0	0	20	0	0	563
Rockfish, other sp....	0	0	0	0	277	662	2379	2313	2365	1676	18	0	9690
Salmon, chinook.....	0	0	0	0	1503	0	0	1857	10915	1685	0	0	15960
Tuna, albacore.....	0	0	0	0	0	0	0	6861	1903	0	0	0	8764
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	2318	0	0	0	0	0	0	0	0	37	2355
TOTAL	0	0	2318	0	1780	703	2891	11031	15183	3381	18	37	37342

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	18	19	12	1	29	31	13	2	0	0	0	0	125
Grenadier.....	0	0	0	0	0	0	0	0	35	0	0	0	35
Hagfish sp.....	0	0	0	5349	6867	5980	0	0	1739	8891	1733	0	30559
Halibut, Pacific.....	0	0	0	0	0	0	3959	0	0	0	0	0	3959
Lingcod.....	1298	615	1575	784	1898	1986	1222	1149	1742	1144	608	240	14261
Pacific Ocean perch...	0	0	0	0	1662	7	0	0	0	0	0	0	1669
Rockfish, widow.....	30	1428	0	0	0	0	81	685	25	0	0	0	2249
Rockfish, yellowtail..	6738	1276	2193	317	40	4690	9861	11384	17074	9727	244	646	64190
Rockfish, other sp....	11514	7046	10979	2739	10649	27732	39260	34582	36531	19412	6615	5602	212661
Sablefish.....	0	0	0	0	247772	7804	1142	0	0	0	0	0	256718
Salmon, chinook.....	0	0	0	0	1733	0	0	0	7404	28536	19782	0	57455
Skates and rays.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Sole, Dover.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Tuna, albacore.....	0	0	0	0	0	0	0	2329	15300	0	0	0	17629
CRUSTACEANS:													
Crab, Dungeness, ocean	84621	31240	16149	9636	15150	9692	20917	35681	0	0	0	125315	348401
Shrimp, pink.....	0	0	0	0	6338	6010	339	0	686	1200	0	0	14573
MOLLUSKS:													
Octopus.....	124	71	234	57	13	58	1	0	0	0	0	45	603
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	0	0	3842	2350	0	0	0	6192
Sea urchin, red.....	274538	345745	98344	61878	28306	4783	4052	21882	56340	53786	151374	145370	1246398
TOTAL	378881	387440	129486	80761	320457	68774	80847	111538	139226	122696	180356	277218	2277680

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	278	0	92	64	62	17	0	0	513
Nominal POP.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Rockfish, widow.....	0	0	0	0	0	0	0	291	0	0	0	0	291
Rockfish, yellowtail..	0	0	0	0	0	0	5	2935	17	0	0	0	2957
Rockfish, other sp....	0	0	0	0	166	0	424	1278	610	387	0	0	2865
CRUSTACEANS:													
Crab, Dungeness, ocean	0	0	0	0	0	0	0	233	0	0	0	0	233
OTHER INVERTEBRATES:													
Sea cucumber.....	0	0	0	0	0	0	0	0	453	0	0	0	453
Sea urchin, red.....	19708	16348	14975	14590	59637	1585	4184	24996	13858	13999	1417	7632	192929
TOTAL	19708	16348	14975	14590	60081	1585	4706	29797	15000	14403	1417	7632	200242

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1993.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	0	15	0	1	0	0	0	0	16
Flounder, arrowtooth..	113	329	183	34	128	136	436	1191	975	276	351	0	4152
Flounder, starry.....	0	0	0	0	19	0	0	0	0	0	0	0	19
Greenling sp.....	0	0	0	0	2	5	7	3	5	0	0	0	22
Grenadier.....	0	0	0	157	7	16	225	0	362	66	59	0	892
Halibut, Pacific.....	0	0	0	0	0	0	9062	0	0	0	0	0	9062
Lingcod.....	637	83	465	376	686	1821	10275	16788	8250	7286	2339	1	49007
Pacific Ocean perch...	0	0	0	0	0	407	0	0	0	0	0	0	407
Nominal POP.....	324	161	15	222	878	1849	6024	5336	2332	3365	1504	0	22010
Rockfish, widow.....	4349	0	9586	26768	11478	771	28041	18560	27614	19002	12525	0	158694
Rockfish, yellowtail..	1776	0	0	18757	66	1190	20638	12225	4144	3024	3436	0	65256
Rockfish, other sp....	19179	10411	4617	6200	23803	9372	29396	28070	37793	24060	11785	10	204696
Thornyhead sp.....	9860	6057	8705	22783	13970	34506	15168	20782	24526	19993	20367	425	197142
Sablefish.....	5608	5899	10241	10081	39556	26753	20432	35751	30359	13893	14159	329	213061
Salmon, chinook.....	0	0	0	0	30	255	0	240	4632	370	0	0	5527
Sanddab, Pacific.....	0	0	7	14	50	557	1532	1056	354	148	18	0	3736
Shark, blue.....	0	0	0	0	0	0	33	0	0	0	0	0	33
Shark, soupfin.....	0	0	0	0	0	30	0	0	23	69	27	0	149
Shark, thresher.....	0	0	0	0	0	156	0	0	0	0	0	0	156
Smelt, other sp.....	0	0	0	0	0	0	0	0	0	83	0	0	83
Sole, Dover.....	31765	25491	25584	17007	22944	12745	36181	65246	60465	29727	40428	333	367916
Sole, English.....	64	207	20	7	449	1775	8689	4098	7357	2366	267	0	25299
Sole, petrale.....	23865	12713	533	64	145	4356	18657	6662	5342	4751	5187	0	82275
Sole, rex.....	1927	1218	1045	229	351	286	608	3388	2626	1511	2333	0	15522
Sole, sand.....	0	0	0	0	62	0	8	23	0	0	0	0	93
Surfperch sp.....	0	0	49	108	0	0	0	444	161	40	0	0	802
Tuna, albacore.....	0	0	0	0	0	0	0	16824	73535	21609	0	0	111968

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1993.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, ocean	793134	552971	75859	21021	23464	4715	3230	2816	0	0	0	389326	1866536
Shrimp, pink.....	0	0	0	332184	240515	315432	44310	120863	207815	137076	0	0	1398195
MOLLUSKS:													
Octopus.....	1071	1389	767	892	351	459	184	313	288	45	0	118	5877
OTHER INVERTEBRATES:													
Sea urchin, red.....	0	5328	0	13159	14166	0	10958	6615	21738	14888	2215	0	89067
TOTAL	893672	622257	137676	470063	393120	417607	264094	367295	520696	303648	117000	390542	4897670

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private hatcheries 1989-1993

Table 62. Pounds of salmon harvested by Oregon private salmon hatcheries, 1993

No private hatchery returns reported.

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1993.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CLACKAMAS													
Crayfish	0	0	0	0	0	0	728	1789	334	0	0	0	2851
Lamprey, Pacific	0	0	0	0	0	848	13053	3957	0	0	0	0	17858
TOTAL	0	0	0	0	0	848	13781	5746	334	0	0	0	20709
CLATSOP													
Crayfish	0	0	0	0	99	3964	1860	1673	3544	3590	0	0	14730
COLUMBIA													
Crayfish	0	0	0	0	0	0	0	0	1259	2501	0	0	3760
JEFFERSON													
Crayfish	0	0	0	312	1282	686	548	0	0	0	0	0	2828
LAKE													
Shrimp, Brine	0	0	0	0	8500	15500	13200	6000	0	0	0	0	43200
MULTNOMAH													
Crayfish	0	0	0	0	0	2039	2198	4581	2683	2641	0	0	14142
POLK													
Mussels, Freshwater	0	0	0	0	0	0	0	0	2333	0	0	0	2333
WASHINGTON													
Crayfish	0	0	0	0	0	2270	370	215	0	0	0	0	2855
YAMHILL													
Crayfish	0	0	0	0	1245	9090	3664	400	1754	107	0	0	16260
TOTAL													
Carp	0	0	0	0	0	0	0	0	0	0	0	0	0
Crayfish	0	0	0	312	2626	18049	9368	8658	9574	8839	0	0	57426
Mussels, Freshwater	0	0	0	0	0	0	0	0	2333	0	0	0	2333
Lamprey, Pacific	0	0	0	0	0	848	13053	3957	0	0	0	0	17858
Shrimp, Brine	0	0	0	0	8500	15500	13200	6000	0	0	0	0	43200

Table 64. Oregon oyster production (gallons), 1984-93

Bay/Species	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<u>Tillamook Bay</u>										
Kumomoto oyster.....	0	9	4	0	0	0	0	0	0	0
Pacific oyster.....	30,964	21,204	21,325	23,930	24,084	26,052	13,782	6,150	6,985	6,231
<u>Netarts Bay</u>										
Pacific oyster.....	6	40	30	36	41	216	219	2,618	1,510	1,937
<u>Yaquina Bay</u>										
Kumomoto oyster.....	16	0	0	0	0	0	0	0	0	0
Pacific oyster.....	7,210	10,911	12,130	12,798	10,924	9,602	6,570	10,350	11,008	6,634
<u>Coos Bay</u>										
Pacific oyster.....	9,834	5,270	3,065	3,942	3,400	4,115	4,722	4,062	3,323	4,645
TOTAL	48,030	37,434	36,554	40,706	38,449	39,985	25,293	23,180	22,826	19,447

SOURCE: Oregon Department of Agriculture

APPENDIX

1993 Personal Income Contribution of the Commercial Fishing and Processing Industry to Communities on the Oregon Coast and to Oregon's Economy

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

A total of \$169 million in personal income was generated in all Oregon coastal communities as a result of commercial fishing and processing activities, including income returned to Oregon by residents who fish in distant water fisheries. Because a portion of the dollars generated "leak out" of the coastal economy, the estimated statewide total personal income received by Oregon residents amounted to nearly \$203 million.

Although the commercial fishing industry provides only about one percent of total Oregon earned income, it is extremely important to the coastal economy, providing about 10 percent of coastal income in 1993. Table 1 is a summary of the personal income contribution of the industry to coastal areas and the state.

The trend in the personal income impact of the commercial fishing and processing industry is shown in Table 2. This summarizes the impact of fish and shellfish landed and processed in Oregon at the state level and for coastal areas from 1987 through 1993 expressed in 1993 dollars.

A booklet, *The Economic Landscape of the Oregon Coast*, published by the Oregon Coastal Zone Management Association (OCZMA) is recommended for those interested in understanding the structure of Oregon's coastal economy. This booklet described the importance of different economic sectors to the Oregon coastal economy in 1987, and is still useful in providing a perspective on the structure of Oregon's coastal economy. A shorter paper, *Observations on the 1989 Coastal Economy*, is also available from OCZMA.

**Table 1. Personal Income Contribution of the Oregon Commercial Fishing and Processing Industry
to Oregon Coastal Communities and to Oregon, 1993. (Millions of Dollars) 1/ 2/**

	Astoria and Columbia R. Area	Tillamook Area	Newport Area	Coos Bay Area	Brookings Area	All Coastal Communities	Total State Level Impact
Oregon Landings	\$38.7	\$5.2	\$32.4	\$23.7	\$9.9	\$109.9	\$132.9
Distant Water	\$13.7	\$1.9	\$37.6	\$4.8	\$0.8	\$58.7	\$69.7
Total	\$52.4	\$7.1	\$70.0	\$28.5	\$10.6	\$168.6	\$202.6
Percent of Total Personal Income 3/	8.2%	2.0%	9.9%	2.8%	3.0%	5.5%	0.34%
Percent of Total Earned Income 4/	13.3%	3.9%	18.7%	4.9%	6.7%	10.0%	0.52%
1/ Estimates by Hans Radtke (Consulting Economist) and Chris Carter (Staff Economist) with some data provided by the Oregon State University Sea Grant Extension Agents. The personal income impact estimates are calculated with the Commercial Fisheries Economic Assessment Model developed by William Jensen and Hans Radtke for the West Coast Fisheries Development Foundation. Total personal income includes direct, indirect and induced effects.							
2/ In most cases the economic impact for areas listed includes impacts for smaller ports in the area. The Tillamook area includes Pacific City. The Newport area includes Depoe Bay. The Coos Bay area includes Florence, Reedsport and Bandon. The Brookings area includes Port Orford and Gold Beach.							
3/ Computed as total income generated directly and indirectly by the commercial fishing and processing industry divided by total income from all sources. Total income from all sources is based on personal income estimates from the U.S. Department of Commerce, Bureau of Economic Analysis. Personal income is the sum of wages and salaries, other labor income, proprietors' income, personal dividend income, personal interest income and transfer payments less personal contributions for social security. Estimates for Coos Bay area are slightly overstated due to inclusion of Reedsport and Florence impacts in comparison to Coos County personal income.							
4/ Computed as total income generated directly and indirectly by the commercial fishing and processing industry divided by total earned income as represented by estimated net earnings by place of residence, which does not include personal contributions for social insurance. Earned income does not include transfer payments, dividends, interest or rent.							

**Table 2. Personal Income Contribution from Fish and Shellfish Landed and Processed in Oregon
to Oregon Coastal Communities and to Oregon, 1986 - 1993.**
(Millions of Dollars adjusted to 1993 Basis) 1/ 2/ 3/

YEAR	Astoria and Columbia R. Area	Tillamook Area	Newport Area	Coos Bay Area	Brookings Area	All Coastal Communities	Total State Level Impact
1986	\$65.1	\$9.6	\$33.8	\$34.5	\$7.5	\$150.5	\$217.3
1987	\$97.2	\$13.5	\$56.7	\$62.5	\$11.6	\$241.4	\$310.5
1988	\$81.2	\$12.7	\$51.8	\$53.3	\$15.7	\$214.7	\$284.3
1989	\$67.3	\$9.1	\$45.6	\$42.6	\$18.7	\$183.3	\$212.4
1990	\$47.4	\$5.3	\$28.2	\$37.4	\$18.4	\$136.8	\$175.7
1991	\$40.4	\$5.7	\$31.5	\$25.7	\$10.0	\$113.3	\$140.6
1992	\$40.0	\$4.8	\$46.5	\$31.3	\$15.6	\$138.2	\$166.5
1993	\$38.7	\$5.2	\$32.4	\$23.7	\$9.9	\$109.9	\$132.9
1/ Estimates by Hans Radtke (Consulting Economist) and Chris Carter (Staff Economist). Estimates include only the impact of fish landed in Oregon. Distant water fisheries income is not included. The personal income impact estimates are calculated with the Commercial Fisheries Economic Assessment Model developed by William Jensen and Hans Radtke for the West Coast Fisheries Development Foundation. Total personal income includes direct, indirect and induced effects.							
2/ In most cases the economic impact for areas listed includes impacts for smaller ports in the area. The Tillamook area includes Pacific City. The Newport area includes Depoe Bay. The Coos Bay area includes Florence, Reedsport and Bandon. The Brookings area includes Port Orford and Gold Beach.							
3/ Adjustment to 1993 dollars made with the Implicit Price Deflator for Gross Domestic Product. (Economic Report of the President, US Government Printing Office, February, 1995.)							