

1991

POUNDS AND VALUES

of
Commercially Caught
Fish and Shellfish
Landed in Oregon



Oregon Department of Fish and Wildlife

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by

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FOREWORD

The statistics presented in this publication provide information on the amount and value of commercial food fish landings in the State of Oregon in 1991. 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 dealers, and Oregon Department of Fish and Wildlife personnel. Department biologists reviewed the accuracy of the reported information, and data processing personnel spent many hours editing and entering the information for computer tabulation. To all of these people we extend our thanks.

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EXPLANATION OF TABLES

Source of Data

Oregon law requires commercial fishermen to sell their catch to a licensed wholesale fish or bait dealer. At time of sale, the dealer must record certain information on a Fish Receiving Ticket form supplied by the Department. This information includes date of landing, unloading station, 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), locations along the coast (Fig. 1), and by county for freshwater species. Coastal locations represent the major port or area of landing. These landings include ocean, bay, or inland caught fish or shellfish. For ocean caught fish, port of landing does not necessarily indicate the area of catch, as many boats fish coastwide and return to their home port to land their catch.

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. The rockfish in particular are a group that are difficult to differentiate because of structural similarities among several species. However some species are distinct and easily identifiable and are reported separately in the tables, such as the yellowtail and widow rockfish.

The widow rockfish, as reported in 1982, was the target species of the newly developed midwater trawl fishery. In 1983 we combined widow rockfish landings from midwater trawls with rockfish landings from bottom trawls after it became apparent that the bottom trawl fishery in that year landed large quantities of widow rockfish reported only as rockfish on the fish ticket. Listing widow rockfish as a single species in the tables would only represent harvest of this species from midwater trawl gear. In 1984 we asked fish dealers to report the widow rockfish separately on the ticket since they were being sorted at sea and landed separately by the fishermen.

Pacific ocean perch (P.O.P.) are more difficult to identify and report accurately because there are several species that are perch-like in appearance. However, 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.

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

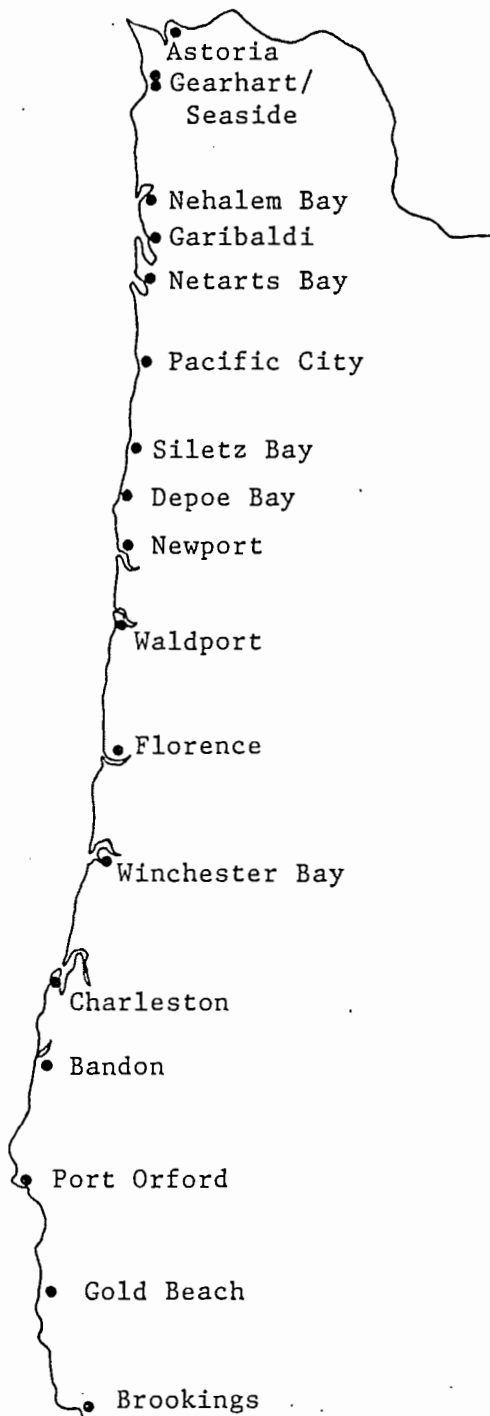


Figure 1. Oregon coastal ports

Even though some of the rockfish species are reported separately there is still contamination of other species in each of the listed rockfish species groups. Oregon Department of Fish and Wildlife biologists routinely sample these categories at the dock to determine species composition. This market sample data is applied to the fish ticket data to obtain estimates of annual landings by major species groups. This information is not included in this report, but an annual summary table is available and can be obtained by contacting ODFW.

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:

Salmon, troll dressed	+	15%
Sablefish, dressed	+	60%
Halibut, dressed	+	15%
head-off.....	+	35%
Hake, filleted.....	+	235%
Scallops, shucked.....	+	1,220%

Landings by month reflect the date of purchase by a dealer. 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.

The trends portrayed in Table 3 (Annual Landings, 1982-91) are the result of many factors such as abundance of fish, market demand, technical advances, and regulations. Most fisheries reflect the effect of all these factors, and caution should be used in interpreting or projecting trends.

The private salmon and oyster harvest data in Tables 61, 62, and 64 are included as a matter of interest only and do not reflect fishing activity by commercial fishermen.

Salmon produced in private hatcheries are caught by commercial fishermen, and this poundage is included in the reported landings of salmon by port and is not listed separately. The data in Tables 61 and 62 reflect only the pounds and numbers of fish returning to the private hatcheries after eluding the commercial and recreational fisheries.

There is no commercial oyster fishery in Oregon. The data in Table 64 reports Oregon oyster production by private enterprises established in several Oregon estuaries.

Value of Catch

Estimates of value are determined from price per pound information obtained from fish tickets and indicate the value of the catch to the fishermen. Where this information is not provided, value is determined by using the best alternative estimate of average price per pound; e.g., from nearby ports during the same time period. Due to computer rounding error, values may vary somewhat, but no significant effect on total value is expected.

Table 2. Type and number of commercial fishing licenses issued, 1982-91

Type	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Albacore tuna landing.....	87	105	81	48	51	50	76	55	46	32
Bait Fishing.....	91	96	97	106	122	111	127	113	115	108
Boat.....	4,231	3,966	2,078	2,982	3,072	3,109	3,529	3,508	3,388	2,959
Individual fishing.....	7,449	6,853	3,946	5,619	6,330	7,025	7,423	7,345	6,226	5,740
Single Delivery.....	109	85	113	165	406	678	136	108	77	103
Gillnet permit.....	511	475	436	373	370	370	356	356	355	354
Scallop permit.....	164	144	134	113	101	103	104	105	100	88
Shrimp permit.....	268	234	209	180	173	181	220	211	208	203
Troll permit.....	3,646	3,439	3,203	2,993	2,739	2,626	2,597	2,574	2,528	2,048
Bait dealers:										
Reporting.....	45	59	67	66	71	62	72	71	55	63
Non-reporting.....	8	17	27	34	33	27	27	30	29	29
Buyer.....	119	124	78	94	122	150	179	159	141	127
Canner, fish.....	8	7	7	8	6	7	1	7	8	9
Canner, shellfish.....	3	4	3	2	2	3	4	2	2	1
Limited fish seller.....	--	--	--	2	31	37	57	77	44	65
Wholesale fish dealer:										
Reporting.....	217	221	180	181	168	168	171	188	170	160
Non-reporting.....	12	18	13	14	21	33	30	36	31	33
Private hatchery.....	7	8	8	9	7	6	6	6	4	4
Boat, lost license.....	40	28	11	18	23	30	31	35	29	22
Indiv. fishing, lost license.....	55	38	11	14	18	26	67	50	47	37
Permit fisheries, lost permit.....	NA	NA	NA	NA	NA	37	28	29	22	11
TOTAL	17,070	15,921	10,702	13,021	13,866	14,839	15,241	15,065	13,625	12,196

NA - Not Available

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1982-1991.

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
FISH:										
Anchovy, northern.....	200	0	0	31	0	0	26	30	0	0
Marlin, Striped.....	0	0	0	0	0	0	0	0	0	73
Bonita.....	0	1462	0	0	0	0	0	0	0	0
Cabezon.....	142	702	2512	5681	10963	14051	24987	14765	11383	18339
Carp.....	0	50	0	0	0	11184	0	0	0	0
Dace, speckled.....	0	0	0	0	0	0	0	0	0	74
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	7
Shiner, redbside.....	0	0	0	0	0	0	0	0	0	193
Squawfish, Northern...	0	0	0	0	0	0	0	42	0	36
Cod, Pacific.....	260319	196644	175782	85401	67789	1468747	2280678	1720551	510279	1134083
Flounder, arrowtooth..	1617209	1191733	919403	1539458	1107314	1631086	1414080	2505977	4000879	4604857
Flounder, starry.....	481812	432560	236979	789941	215869	218867	345650	443256	237846	718486
Greenling.....	0	0	0	0	0	0	177	169	7	50
Grenadier.....	0	798	0	0	0	462	46854	112981	191831	254024
Hagfish.....	0	0	0	0	0	0	25782	344187	167453	274535
Halibut, Pacific.....	234730	579560	1055044	812822	1313774	916022	582020	916024	622233	544446
Herring, Pacific.....	144970	145915	177452	163566	220300	493788	355890	546391	475634	430494
Lamprey.....	39169	4482	3391	6381	4740	5633	10896	8366	14203	32221
Lingcod.....	3213736	3830684	2344785	2320901	1444321	1589771	2222190	2590810	1927507	3277366
Mackeral.....	83	18253	6724	13	4	3229	1403	10443	22679	43590
Opah.....	0	448	0	0	89	1727	160	0	0	0
Pollock, walleye.....	0	348	880	310	1523	0	0	47	31	340
Prickleback, monkeyface	0	302	250	71	487	0	0	0	0	0
Ratfish.....	0	0	0	0	0	0	28	110	24	167
Pac. Oc. Perch.....	5508130 1/	5192175 1/	1576824	1554767	1385049	1048384	1403168	1557365	1084209	1653609
Nominal POP.....	2/	2/	1472712	2378182	2093582	2046590	2980699	3046384	2991281	3428857
Rockfish, widow.....	19198987	0	11635817	9535857	9435395	13963484	12009023	15236547	12226558	9664121
Rockfish, yellowtail..	3/	3/	3/	2985880	3667900	3700306	4960998	4076729	4011601	3857810
Rkfish, Sebastolobus...	3/	3/	1785270	2361759	1399250	1480307	2209850	5564151	9980977	7718124

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1982-1991. (CONT.)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Rockfish, other spp...	22031780	30291426	12231908	10033146	7912703	10037674	9838085	11086159	7134485	10053750
Sablefish.....	11220816	10234762	10666025	11624342	10261789	11551670	8999796	8704848	8230977	8667954
Salmon, chinook.....	4365148	1287328	1759165	3856605	6477211	11482797	11741177	7610539	4202224	1795702
Salmon, chum.....	13964	1100	10978	3560	8287	6821	14697	4164	3909	1298
Salmon, coho.....	4204763	1300319	1183454	1822156	6936485	3058254	5697737	3836619	1041908	3420685
Salmon, pink.....	0	269	0	297429	12	100463	12	20295	0	8826
Salmon, sockeye.....	472	2998	82495	143251	14311	124037	65036	59	0	0
Sanddab, Pacific.....	526000	531290	614479	395496	321095	468094	241914	162923	429616	690675
Sculpin.....	0	0	0	0	0	0	0	2	0	8
Irish Lord, Brown.....	0	0	0	0	0	0	0	2	1	8
Irish Lord, Red.....	0	0	0	0	0	0	6	2	35	11
Sculpin, Buffalo.....	0	0	0	0	0	0	21	10	8	4
Shad, American.....	435351	359719	198414	140143	343154	365482	393621	194516	497513	141094
Shark, blue.....	0	0	0	0	0	0	0	0	56	97
Shark, sixgill.....	0	0	0	0	0	0	0	135	118	300
Shark, soupfin.....	11081	13905	7784	9087	7161	17511	3029	3264	3709	4719
Shark, spiny dogfish..	2090	2581	873	290	363	225	1110	698	15611	145405
Shark, thresher.....	0	0	0	2092	935100	101664	88957	30	655	0
Shark, other.....	8213	7100	696	1616	1333	3645	67	159	92	40
Skates and rays.....	63889	159640	59495	11385	22767	21421	4571	8319	2112	6352
Smelt.....	55346	40343	30551	673322	36636	48725	58971	29654	1108	1980
Smelt, Whitebait.....	0	0	0	0	0	0	0	4512	0	188
Sole, butter.....	19178	12075	2252	707	1034	10617	691	2465	0	817
Sole, curlfin (turbot)	9793	9489	6908	4518	4752	9685	6328	5420	574	2507
Sole, Dover.....	17951407	18698513	13472731	12585063	10623952	13353184	16925202	19638358	16553757	19428977
Sole, English.....	2187335	2014645	993103	1031237	1221130	1310569	1281272	1527272	1122209	1864935
Sole, flathead.....	6524	17105	11854	32132	5556	1311	20708	7252	17111	6288
Sole, petrale.....	3323843	2435788	1517840	1273559	1568374	1884519	1989500	1901739	1639907	2054029
Sole, rex.....	1865611	1426686	1210425	874431	629946	632021	734799	623183	500134	948308
Sole, rock.....	66543	9278	4630	1424	12862	2498	11383	5555	5018	3913

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1982-1991. (CONT.)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Sole, sand.....	856930	696583	481734	485018	531913	500462	349569	487093	467730	634274
Sole, slender.....	0	0	0	5	0	0	0	0	0	0
Steelhead.....	53564	80487	562348	454332	360654	319411	267345	252099	163502	117564
Sturgeon, green.....	21219	18970	54870	31431	87823	67553	58028	10673	9528	27495
Sturgeon, white.....	236691	296648	401621	306687	485588	428330	231041	200472	184308	111602
Sucker, bridgelip.....	0	0	0	0	0	0	0	0	0	139
Sucker, Largescale....	0	0	0	0	0	0	0	28	0	0
Sunfish, ocean.....	0	244	70	0	0	0	50	0	0	0
Surfperch.....	342	2421	4920	3314	4369	2539	5551	3710	4953	2201
Tomcod, Pacific.....	0	46	0	0	0	0	69	0	0	0
Tuna, albacore.....	1913063	3410429	1630763	1524601	2461004	2288045	3967120	1079657	2079312	1258818
Tuna, other.....	580	177	185	0	364	13	154	0	0	0
Walleye.....	0	0	0	0	0	0	0	7065	1268	1806
Whiting, Pac. (Hake)..	3316	142536	745561	1950069	926681	402713	543196	195914	5058341	29108721
Wolf-eel.....	2348	6747	5067	6947	7064	9276	4857	4917	2994	1963
Wrymouth.....	0	0	0	0	0	254	560	121	142	355
Miscellaneous.....4/	1219	3	271	223	1421	3947	227	0	0	0
CRUSTACEANS:										
Barnacle, Gooseneck...	0	0	0	0	0	0	30	561	12	25
Crab, box.....	502	16207	271881	93431	3060	24	0	412	8586	10460
Crab, Dungeness.....	7035245	5350560	5013455	7422901	4660672	5990869	9414002	11675901	9509817	4923571
Crab, Hermit.....	0	0	0	0	0	0	0	0	21	17
Crab, mole.....	0	0	0	0	0	0	15	8	0	0
Crab, rock.....	0	0	1155	1552	1806	5321	7772	4037	4571	5302
Crab, Tanner.....	65	1338	0	48	0	121	0	16	0	9
Crayfish.....	155231	125519	104745	196241	217829	336279	299013	237990	169909	124034
Shrimp, brine.....	7100	12402	16500	20100	22400	23100	26600	29800	39300	28500
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	44
Shrimp, ghost.....	68749	69905	115699	110134	75368	52470	70815	68040	72778	99327

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1982-1991. (CONT.)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Shrimp, mud.....	0	0	0	4663	53232	42273	40277	40995	51911	56022
Shrimp, pink.....	18461988	6547073	4843571	14855247	33883577	44589472	41846202	49128914	31882770	21711413
Shrimp, spot.....	0	0	0	0	0	0	0	74	0	0
Water flea (Daphina)..	0	0	0	0	0	0	0	3000	0	0
MOLLUSKS:										
Clams, butter.....	3669	4035	4842	1646	2862	3046	2492	3806	4604	3546
Clams, cockle.....	10517	2579	17919	29412	32697	20202	30068	44344	45607	56129
Clams, gaper.....	104290	95091	50573	20121	16519	6368	3656	5164	10391	8660
Clams, littleneck....	13265	34444	46874	46266	27573	14140	6971	6032	7521	9446
Clams, softshell.....	248	36	366	1809	3558	2527	1596	1136	4633	8592
Clams, razor.....	26528	100	5803	58253	2906	29197	33910	32177	13474	28580
Mussels, ocean.....	18372	28267	36198	40168	37494	48903	50656	65048	44445	31931
Mussels, bay.....	0	2485	3856	0	2378	0	0	0	0	0
Mussels, freshwater...	0	0	0	0	0	3407	2564	3773	9946	4991
Octopus.....	18597	16780	12970	7682	9540	18771	46903	15318	17022	14844
Scallops, rock.....	0	0	0	0	0	0	0	220	24	0
Scallops, weathervane	1487941	2648965	3329234	819030	105523	13590	29226	0	1781	1021
Snails & Chitons.....	0	0	0	0	0	0	0	0	0	14
Squid.....	113138	297410	946725	1751773	26371	29	5	96025	0	95
OTHER INVERTEBRATES:										
Sand Dollars.....	0	0	0	0	0	0	0	0	0	3
Sea Anemone.....	0	0	0	0	0	0	0	0	0	32
Sea Cucumber.....	0	0	0	0	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	0	0	0	0	0	55
Sea urchins.....	0	0	0	0	55820	0	0	0	0	10
Sea urchins, red.....	0	0	0	0	0	202799	1970963	7842658	9320868	4736872
Bloodworms.....	0	0	0	0	0	0	0	28	0	0
Worms, tube.....	0	0	1333	2069	0	0	1570	1938	0	0
	129683351	100360962	84170994	99603185	113822428	138611976	148306322	165622642	139071531	150033256

1/ INCLUDES ROCKFISH SIMILAR IN APPEARANCE TO PACIFIC OCEAN PERCH.

3/ INCLUDED IN ROCKFISH, OTHER SPP.

2/ INCLUDED IN PACIFIC OCEAN PERCH.

4/ INCLUDES MINK FOOD, WALLEYE AND INCIDENTAL MARINE SPECIES.

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1982-1991.

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
FISH:										
Anchovy, northern.....	50	0	0	34	0	0	13	15	0	0
Marlin, Striped.....	0	0	0	0	0	0	0	0	0	310
Bonita.....	0	504	0	0	0	0	0	0	0	0
Cabezon.....	30	183	802	1274	2271	3038	7110	4354	4735	9435
Carp.....	0	15	0	0	0	1118	0	0	0	0
Dace, speckled.....	0	0	0	0	0	0	0	0	0	148
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	1
Shiner, redbreast.....	0	0	0	0	0	0	0	0	0	579
Squawfish, Northern...	0	0	0	0	0	0	0	2	0	72
Cod, Pacific.....	62376	48830	45198	21740	18242	481583	625590	448314	130825	341619
Flounder, arrowtooth..	164932	120601	91980	154469	113258	238787	185739	242358	413558	527421
Flounder, starry.....	120726	117274	66428	224439	62831	74829	107107	133213	69209	210693
Greenling.....	0	0	0	0	0	0	121	99	4	166
Grenadier.....	0	160	0	0	0	60	7331	17920	21535	20790
Hagfish.....	0	0	0	0	0	0	9024	103256	49434	69952
Halibut, Pacific.....	255599	630308	802395	799284	1869505	1017882	873846	1302466	915808	1019534
Herring, Pacific.....	118262	78077	44299	243176	94399	236438	234041	267457	261308	172356
Lamprey.....	26681	582	856	2233	1659	5633	1634	2950	3562	9017
Lingcod.....	767717	953314	585556	604400	443023	602693	799550	871307	652219	1083471
Mackerel.....	21	7796	671	1	1	535	365	1174	3694	2588
Opah.....	0	90	0	0	36	777	80	0	0	0
Pollock, walleye.....	0	35	221	62	61	0	0	5	3	47
Prickleback, monkeyface	0	50	45	13	104	0	0	0	0	0
Ratfish.....	0	0	0	0	0	0	3	11	7	83
Pac. Oc. Perch.....	1032197 1/	1110487 1/	365189	393053	384223	348283	409526	432166	293148	497651
Nominal POP.....	2/	2/	306783	553919	549627	628299	804019	737407	763234	997904
Rockfish, widow.....	3059712	0	2669442	2370142	2572719	4479950	3385946	3923316	3162354	2619408
Rockfish, yellowtail..	3/	3/	3/	757761	1032689	1195564	1398018	1099739	1103934	1164469
Rkfish, Sebastolobus...	3/	3/	423301	590471	395154	482735	780096	2050440	3867991	3518127

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1982-1991. (CONT).

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Rockfish, other spp...	4165621	6040081	2887349	2595437	2324962	3472619	2899417	3134719	2177787	3290535
Sablefish.....	2465880	2213240	2213122	3334997	3600071	5084185	4349831	3834542	3587209	5228811
Salmon, chinook.....	7608117	1883384	3055784	6739449	8264478	21496898	26842749	10659401	8067575	2931416
Salmon, chum.....	7250	581	5770	1278	3014	6412	10650	2144	2745	560
Salmon, coho.....	4739763	1091541	1384676	1794040	6708735	4911333	11710396	3454954	1381662	2824314
Salmon, pink.....	0	174	0	168007	6	69432	10	13111	0	4078
Salmon, sockeye.....	702	2021	90866	154038	16447	186607	126280	30	0	0
Sanddab, Pacific.....	156212	169939	200896	120456	110051	171223	79358	41369	121140	217731
Sculpin.....	0	0	0	0	0	0	0	1	0	1
Irish Lord, Brown.....	0	0	0	0	0	0	0	1	1	4
Irish Lord, Red.....	0	0	0	0	0	0	1	1	14	2
Sculpin, Buffalo.....	0	0	0	0	0	0	2	1	1	5
Shad, American.....	155335	73453	44959	26161	66775	72841	93575	73650	87987	30336
Shark, blue.....	0	0	0	0	0	0	0	0	56	97
Shark, sixgill.....	0	0	0	0	0	0	0	74	89	150
Shark, soupfin.....	4224	6579	4505	4536	5129	12203	2751	3114	2716	3129
Shark, spiny dogfish..	171	190	69	29	104	83	191	333	2032	18562
Shark, thresher.....	0	0	0	2092	585070	155758	135189	49	541	0
Shark, other.....	4815	3603	530	792	911	2887	39	95	187	31
Skates and rays.....	15818	33112	10316	2694	5991	6714	1461	2654	638	2026
Smelt.....	7694	10123	8710	97504	8930	12357	12286	6118	874	1134
Smelt, Whitebait.....	0	0	0	0	0	0	0	1451	0	56
Sole, butter.....	4246	2685	470	172	216	2650	173	617	0	273
Sole, curlfin (turbot)	2988	2889	1929	1480	1635	3220	2232	1907	172	775
Sole, Dover.....	4190843	4227393	3193069	3159418	2826414	4183821	5216455	5472600	4531282	5974068
Sole, English.....	700883	650712	319919	342424	439679	533197	500736	562838	350404	619454
Sole, flathead.....	2040	5459	3861	10588	1977	494	7946	2755	5134	1923
Sole, petrale.....	2060523	1697737	1092768	935803	1198068	1552777	1661977	1589975	1358331	1688792
Sole, rex.....	600783	466922	401039	291065	225847	248298	285241	227305	159212	303914
Sole, rock.....	22246	2834	1435	389	4455	1061	3022	2112	1510	1205

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1982-1991. (CONT).

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Sole, sand.....	447093	414482	295969	305618	346481	366779	261004	363872	347112	473235
Sole, slender.....	0	0	0	2	0	0	0	0	0	0
Steelhead.....	59320	62006	590768	212324	199113	351209	382736	136572	132840	71958
Sturgeon, green.....	7881	7478	25092	14946	44021	34320	32296	5444	6831	17542
Sturgeon, white.....	250871	335821	548390	447939	771369	714606	424259	385225	376839	219431
Sucker, bridgelip.....	0	0	0	0	0	0	0	0	0	139
Sucker, Largescale....	0	0	0	0	0	0	0	1	0	0
Sunfish, ocean.....	0	49	14	0	0	0	5	0	0	0
Surfperch.....	80	1286	2311	1963	2177	1748	3105	2810	3540	1748
Tomcod, Pacific.....	0	9	0	0	0	0	31	0	0	0
Tuna, albacore.....	1265387	1881210	884510	814322	919763	1675345	3327289	887241	1669613	975651
Tuna, other.....	243	89	184	0	125	9	65	0	0	0
Walleye.....	0	0	0	0	0	0	0	4649	1223	1362
Whiting, Pac. (Hake)..	68	39486	44065	163209	59623	33054	41183	14625	219501	1396758
Wolf-eel.....	563	1262	1696	1485	1765	2304	1025	1471	946	535
Wrymouth.....	0	0	0	0	0	95	58	18	19	114
Miscellaneous.....4/	1615	1	130	14	2665	13541	534	0	0	0
CRUSTACEANS:										
Barnacle, Gooseneck...	0	0	0	0	0	0	8	1938	7	19
Crab, box.....	294	10828	153622	46588	1530	10	0	108	5120	6235
Crab, Dungeness.....	7550695	7934349	7758923	10740671	6588472	8351876	11276973	13564259	14554833	7462334
Crab, Hermit.....	0	0	0	0	0	0	0	0	11	9
Crab, mole.....	0	0	0	0	0	0	70	8	0	0
Crab, rock.....	0	0	1155	1552	1806	5321	7772	4037	4643	4907
Crab, Tanner.....	39	1552	0	17	0	242	0	16	0	9
Crayfish.....	166362	128710	108999	201763	225533	470458	415895	318466	211415	149494
Shrimp, brine.....	8520	17115	24750	11250	22395	34650	39900	46260	62520	51300
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	111
Shrimp, ghost.....	71728	51175	107897	237379	151555	135904	90038	97903	98412	150903

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1982-1991. (CONT).

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Shrimp, mud.....	0	0	0	12782	185811	64882	66198	67123	86745	91671
Shrimp, pink.....	9288864	4656160	2148029	5241302	18104562	30272202	17149668	17906265	15628757	12069426
Shrimp, spot.....	0	0	0	0	0	0	0	259	0	0
Water flea (Daphnia)..	0	0	0	0	0	0	0	3000	0	0
MOLLUSKS:										
Clams, butter.....	1175	1642	1967	715	1368	1422	1549	1547	1313	1722
Clams, cockle.....	2615	861	7686	11734	12839	5704	12075	20643	24504	27644
Clams, gaper.....	34852	29477	15804	5492	3487	1573	1176	1750	4083	2993
Clams, littleneck.....	14268	36620	48320	45219	28352	15716	8219	8951	11775	16285
Clams, softshell.....	166	36	185	705	2672	524	554	450	3377	8564
Clams, razor.....	42807	189	10417	114989	6058	64172	86831	87962	39487	73112
Mussels, ocean.....	24911	17116	31168	30161	33377	26478	20075	21871	14388	5071
Mussels, bay.....	0	55	3605	0	666	0	0	0	0	0
Mussels, freshwater...	0	0	0	0	0	954	744	1094	2885	1447
Octopus.....	8354	7065	5924	4151	5861	14199	31282	8625	11532	10366
Scallops, rock.....	0	0	0	0	0	0	0	10	1	0
Scallops, weathervane	427292	778781	1017784	327922	47588	6406	12017	0	767	413
Snails & Chitons.....	0	0	0	0	0	0	0	0	0	2
Squid.....	9117	79901	199941	318577	2684	3	1	7683	0	29
OTHER INVERTEBRATES:										
Sand Dollars.....	0	0	0	0	0	0	0	0	0	1
Sea Anemone.....	0	0	0	0	0	0	0	0	0	1
Sea Cucumber.....	0	0	0	0	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	0	0	0	0	0	2
Sea urchins.....	0	0	0	0	14707	0	0	0	0	1
Sea urchins, red.....	0	0	0	0	0	51360	571083	2728272	4413286	3455874
Bloodworms.....	0	0	0	0	0	0	0	11	0	0
Worms, tube.....	0	0	667	535	0	0	314	773	0	0
TOTAL	52209637	38147769	34365180	45814646	61727192	94702340	97837159	77427102	71494186	62157642

1/ INCLUDES ROCKFISH SIMILAR IN APPEARANCE TO PACIFIC OCEAN PERCH.

2/ INCLUDED IN PACIFIC OCEAN PERCH.

3/ INCLUDED IN ROCKFISH, OTHER SPP.

4/ INCLUDES MINK FOOD, WALLEYE AND INCIDENTAL MARINE SPECIES.

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1991.

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:															
Marlin, Striped.....	0	0	0	0	0	0	0	73	0	0	0	0	0	0	73
Cabezon.....	0	0	221	0	6372	11199	0	0	146	0	346	0	55	0	18339
Dace, speckled.....	0	0	0	0	0	0	0	0	0	0	0	0	0	74	74
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Shiner, redbside.....	0	0	0	0	0	0	0	0	0	0	0	0	0	193	193
Squawfish, Northern...	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36
Cod, Pacific.....	0	970103	65790	0	0	91837	0	0	6032	0	0	0	321	0	1134083
Flounder, arrowtooth..	0	3843970	233222	0	0	217712	0	0	246010	0	143	0	63800	0	4604857
Flounder, starry.....	1286	641065	6127	0	0	34212	0	0	35796	0	0	0	0	0	718486
Greenling.....	0	0	0	0	0	33	0	0	0	0	0	0	17	0	50
Grenadier.....	0	185	0	0	0	348	0	0	234520	0	0	0	18971	0	254024
Hagfish.....	0	7762	0	0	0	0	0	0	109918	0	156855	0	0	0	274535
Halibut, Pacific.....	0	439201	8223	226	1658	68409	2069	5841	6807	0	10730	0	1282	0	544446
Herring, Pacific.....	0	0	0	0	0	424494	0	6000	0	0	0	0	0	0	430494
Lamprey.....	0	0	0	0	0	0	0	0	0	0	0	0	0	32221	32221
Lingcod.....	0	2076387	167435	13893	9011	436858	270	2411	474853	190	38217	10640	47201	0	3277366
Mackerel.....	0	0	880	114	0	42540	0	0	41	0	0	0	15	0	43590
Pollock, walleye.....	0	89	0	0	0	0	0	0	251	0	0	0	0	0	340
Ratfish.....	0	0	0	0	0	167	0	0	0	0	0	0	0	0	167
Pac. Oc. Perch.....	0	1265066	87743	0	0	273941	0	52	26807	0	0	0	0	0	1653609
Nominal POP.....	0	198437	207184	0	0	2131675	0	0	855806	0	10	0	35745	0	3428857
Rockfish, widow.....	0	3908713	440023	146	75	3613550	0	470	1634396	0	3423	45	63280	0	9664121
Rockfish, yellowtail..	0	2322200	224300	0	0	763809	5540	180	512589	0	8221	0	20971	0	3857810
Rkfish, Sebastolobus...	0	1356686	74307	0	0	2220631	0	0	3592242	0	0	0	474258	0	7718124
Rockfish, other spp...	4	3776566	297043	48322	5091	2266359	14362	10426	2889979	1894	506079	10953	226661	11	10053750
Sablefish.....	0	2266162	189686	0	0	2041118	238372	75902	2837999	3808	407910	37907	569090	0	8667954
Salmon, chinook.....	996293	8843	108663	17353	9039	297807	63019	65446	193520	13844	13342	179	6967	1387	1795702

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TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1991. (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, chum.....	1213	0	0	29	0	0	21	20	15	0	0	0	0	0	1298
Salmon, coho.....	1797943	57150	313060	180061	22745	482969	89444	196680	241254	6394	306	1776	6263	24640	3420685
Salmon, pink.....	88	245	2069	1586	125	3079	175	172	1116	66	22	0	0	83	8826
Sanddab, Pacific.....	0	292739	8584	0	0	61462	5	0	326872	0	0	0	1013	0	690675
Sculpin.....	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Irish Lord, Brown.....	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Irish Lord, Red.....	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Sculpin, Buffalo.....	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Shad, American.....	120809	0	0	0	0	0	853	19432	0	0	0	0	0	0	141094
Shark, blue.....	0	0	71	0	0	26	0	0	0	0	0	0	0	0	97
Shark, sixgill.....	0	0	0	0	0	0	0	0	300	0	0	0	0	0	300
Shark, soupfin.....	0	3565	0	0	27	316	0	0	329	0	30	0	452	0	4719
Shark, spiny dogfish..	0	132407	0	0	62	12918	0	0	18	0	0	0	0	0	145405
Shark, other.....	0	30	0	0	0	10	0	0	0	0	0	0	0	0	40
Skates and rays.....	0	685	0	0	91	5508	0	0	68	0	0	0	0	0	6352
Smelt.....	1580	0	0	0	0	0	0	400	0	0	0	0	0	0	1980
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	0	0	0	0	188	0	188
Sole, butter.....	0	507	300	0	0	7	0	0	0	0	0	0	3	0	817
Sole, curlfin (turbot)	0	394	0	0	0	74	0	0	2039	0	0	0	0	0	2507
Sole, Dover.....	0	7707563	1072532	0	0	2714967	10	206	7167544	0	215	0	765940	0	19428977
Sole, English.....	0	1053445	39536	0	0	359070	0	0	399980	0	4	0	12900	0	1864935
Sole, flathead.....	0	6093	195	0	0	0	0	0	0	0	0	0	0	0	6288
Sole, petrale.....	0	749157	124092	0	0	267688	0	0	777117	0	0	0	135975	0	2054029
Sole, rex.....	0	750868	24630	0	0	90693	0	0	42653	0	0	0	39464	0	948308
Sole, rock.....	0	58	149	0	0	2525	0	0	1181	0	0	0	0	0	3913
Sole, sand.....	0	234905	28266	0	0	201732	0	468	168763	0	0	0	140	0	634274
Steelhead.....	117564	0	0	0	0	0	0	0	0	0	0	0	0	0	117564
Sturgeon, green.....	19620	3438	107	0	0	2940	0	0	1390	0	0	0	0	0	27495
Sturgeon, white.....	101762	2159	0	0	0	261	0	0	7420	0	0	0	0	0	111602

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1991. (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
Sucker, bridgelip.....	0	0	0	0	0	0	0	0	0	0	0	0	0	139	139
Surfperch.....	0	0	0	0	0	809	0	0	0	0	0	0	1392	0	2201
Tuna, albacore.....	0	258416	0	0	2841	696420	1590	42031	207461	0	0	0	50059	0	1258818
Walleye.....	1806	0	0	0	0	0	0	0	0	0	0	0	0	0	1806
Whiting, Pac. (Hake)..	0	2712722	0	0	0	25479977	0	0	916022	0	0	0	0	0	29108721
Wolf-eel.....	0	376	495	0	126	506	0	0	444	0	16	0	0	0	1963
Wrymouth.....	0	262	0	0	0	68	0	0	25	0	0	0	0	0	355
CRUSTACEANS:															
Barnacle, Gooseneck...	0	0	0	0	25	0	0	0	0	0	0	0	0	0	25
Crab, box.....	0	0	0	0	0	10460	0	0	0	0	0	0	0	0	10460
Crab, Dungeness, Bay..	0	0	23	0	0	1960	7	14858	53664	0	0	0	0	15042	85554
Crab, Dungeness, Oc...	0	1392886	247422	901	38644	1417050	175383	424621	631541	30253	120619	0	358697	0	4838017
Crab, Hermit.....	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Crab, rock.....	0	0	0	0	0	4405	0	0	897	0	0	0	0	0	5302
Crab, Tanner.....	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	124034	124034
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28500	28500
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	0	0	0	44	0	44
Shrimp, ghost.....	0	0	6313	6294	0	2039	27	0	3356	76	0	0	0	81222	99327
Shrimp, mud.....	0	0	1630	0	0	156	0	0	95	0	0	0	0	54141	56022
Shrimp, pink.....	0	5962551	1947647	0	0	5075414	0	48113	4661465	74673	183859	0	3757691	0	21711413
MOLLUSKS:															
Clams, butter.....	0	0	570	0	0	5	0	0	2689	0	0	0	0	282	3546
Clams, cockle.....	0	0	45744	0	0	8	0	15	1941	0	0	0	0	8421	56129
Clams, gaper.....	0	0	1550	0	0	1000	0	0	6110	0	0	0	0	0	8660
Clams, littleneck.....	0	0	3216	0	0	0	0	5	296	0	0	0	0	5929	9446
Clams, softshell.....	0	0	0	0	0	0	120	8387	25	60	0	0	0	0	8592
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28580	28580

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1991. (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	120	0	566	29897	260	0	0	0	0	1088	31931
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0	0	0	0	4991	4991
Octopus.....	0	3390	254	0	26	3166	0	0	543	0	1949	0	5516	0	14844
Scallops, weathervane	0	0	0	0	0	0	0	0	1021	0	0	0	0	0	1021
Snails & Chitons.....	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Squid.....	0	0	0	0	0	95	0	0	0	0	0	0	0	0	95
OTHER INVERTEBRATES:															
Sand Dollars.....	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Sea Anemone.....	0	0	0	0	0	32	0	0	0	0	0	0	0	0	32
Sea Cucumber.....	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	0	55	0	0	0	0	0	0	0	0	55
Sea urchins.....	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Sea urchins, red.....	0	0	0	9869	485181	0	0	0	322339	0	2379792	1200892	338799	0	4736872
TOTAL	3159968	44407446	5979302	278794	581259	51836654	591833	952106	29605965	131258	3832088	1262392	7003170	411021	150033256

1/ OREGON LANDINGS ONLY.

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

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

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Marlin, Striped.....	0	0	0	0	0	0	0	73	0	0	0	0	73
Cabezon.....	372	933	688	1384	748	1122	977	3417	4585	3557	310	246	18339
Dace, speckled.....	0	0	0	14	20	28	12	0	0	0	0	0	74
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0	2	5	7
Shiner, redbside.....	0	0	0	10	30	116	37	0	0	0	0	0	193
Squawfish, Northern...	0	0	0	6	9	16	2	3	0	0	0	0	36
Cod, Pacific.....	17678	16608	36775	57754	112765	286652	197340	217357	94036	69307	13388	14423	1134083
Flounder, arrowtooth..	235869	132448	168479	253542	627614	990550	474952	701974	473953	304611	88158	152707	4604857
Flounder, starry.....	69	2299	38673	4807	158004	81680	154249	141682	94611	9644	32556	212	718486
Greenling.....	0	0	0	0	0	0	16	0	19	15	0	0	50
Grenadier.....	9102	6511	13518	10308	17366	9841	26470	21736	51486	33858	32329	21499	254024
Hagfish.....	48210	17790	57715	66125	0	18852	5016	0	7762	0	0	53065	274535
Halibut, Pacific.....	439	102	325	30	29047	287	115543	23	398622	28	0	0	544446
Herring, Pacific.....	0	423640	100	106	0	0	3500	3136	12	0	0	0	430494
Lamprey.....	0	0	0	0	0	7299	23009	1913	0	0	0	0	32221
Lingcod.....	267618	128145	358244	708191	277411	313777	276992	243858	275143	222780	94408	110799	3277366
Mackerel.....	0	0	0	0	0	174	398	433	30085	0	12500	0	43590
Pollock, walleye.....	0	0	0	85	31	0	0	0	0	224	0	0	340
Ratfish.....	0	0	0	0	10	56	37	46	5	13	0	0	167
Pac. Oc. Perch.....	157957	128976	127419	119810	137276	160875	147634	169202	181656	164974	66383	91447	1653609
Nominal POP.....	509761	335937	261014	167759	275136	462242	282380	249480	158346	253550	183055	290197	3428857
Rockfish, widow.....	1311051	1180109	1008012	405019	458279	732218	965416	875788	1532258	562262	143497	490212	9664121
Rockfish, yellowtail..	415206	394777	432560	431964	338483	328119	255892	286858	342827	244583	171206	215335	3857810
Rkfish, Sebastolobus...	615874	609987	540011	395331	576414	503158	484138	554215	757256	959161	845790	876789	7718124
Rockfish, other spp...	597294	472766	568098	979418	1491494	1102466	1001210	986068	1213051	949426	325097	367362	10053750
Sablefish.....	437821	409901	538164	2145377	1774383	450641	386683	420287	564584	615779	412490	511844	8667954
Salmon, chinook.....	0	151565	7066	0	42108	145902	124802	263843	790749	268346	1321	0	1795702
Salmon, chum.....	0	0	0	0	0	20	33	0	8	1044	193	0	1298
Salmon, coho.....	0	0	0	0	0	436843	1029533	179894	905315	836252	32848	0	3420685

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1991. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, pink.....	0	0	0	0	41	1278	5834	1571	83	19	0	0	8826
Sanddab, Pacific.....	39527	54147	113404	51052	72831	118159	86651	18720	47286	63640	18133	7125	690675
Sculpin.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Irish Lord, Brown.....	0	8	0	0	0	0	0	0	0	0	0	0	8
Irish Lord, Red.....	0	5	0	0	0	0	0	6	0	0	0	0	11
Sculpin, Buffalo.....	2	0	0	0	0	0	0	0	0	0	2	0	4
Shad, American.....	0	0	0	0	39714	101321	59	0	0	0	0	0	141094
Shark, blue.....	0	0	0	0	0	0	26	71	0	0	0	0	97
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	300	0	0	300
Shark, soupfin.....	530	1123	87	82	136	58	368	690	1417	0	70	158	4719
Shark, spiny dogfish..	9462	22128	82929	23563	3595	3320	108	52	140	9	81	18	145405
Shark, other.....	0	0	30	0	0	0	0	0	10	0	0	0	40
Skates and rays.....	371	349	1016	1054	657	795	154	55	681	898	156	166	6352
Smelt.....	283	1297	0	0	0	0	400	0	0	0	0	0	1980
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	188	0	0	0	188
Sole, butter.....	0	0	0	507	0	300	0	3	2	2	3	0	817
Sole, curlfin (turbot)	0	5	64	35	6	343	419	1199	276	49	5	106	2507
Sole, Dover.....	2072006	1588789	2351876	2236291	1818473	1309300	1299609	1294939	1499754	1641299	934963	1381678	19428977
Sole, English.....	77923	137561	116726	96338	163267	252567	251207	194014	226479	233789	65631	49433	1864935
Sole, flathead.....	0	0	380	0	21	3147	404	0	195	2141	0	0	6288
Sole, petrale.....	696885	237150	99881	71925	64937	96447	86125	53167	55124	71291	86376	434721	2054029
Sole, rex.....	78874	109726	56607	47354	98678	155638	95816	69209	85003	97743	25116	28544	948308
Sole, rock.....	0	0	0	0	2445	552	128	255	140	13	180	200	3913
Sole, sand.....	399	220	7269	13119	53866	157139	103081	101592	120964	56938	18602	1085	634274
Steelhead.....	0	2281	3047	0	0	0	0	31998	63113	17125	0	0	117564
Sturgeon, green.....	23	72	820	146	2216	2399	379	90	16539	4058	588	165	27495
Sturgeon, white.....	539	29204	16935	4459	2769	5429	377	14092	15844	20049	1905	0	111602
Sucker, bridgelip.....	0	0	0	5	26	80	20	8	0	0	0	0	139
Surfperch.....	1	188	64	973	0	20	413	127	233	15	167	0	2201
Tuna, albacore.....	0	0	0	0	0	0	0	720626	429969	100825	7398	0	1258818

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1991. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Walleye.....	0	354	589	0	0	0	0	134	477	252	0	0	1806
Whiting, Pac. (Hake)..	0	0	0	419445	2114789	3585578	3324772	3936870	4451719	6671901	4483194	120453	29108721
Wolf-eel.....	0	209	102	33	393	193	315	433	201	55	20	9	1963
Wrymouth.....	0	0	0	0	68	0	44	96	105	42	0	0	355
CRUSTACEANS:													
Barnacle, Gooseneck...	0	0	0	0	10	15	0	0	0	0	0	0	25
Crab, box.....	119	2269	0	7953	102	0	9	0	2	4	2	0	10460
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	23828	37878	21594	2254	85554
Crab, Dungeness, Oc...	1314947	364713	232828	158893	172531	184387	234626	136768	0	0	0	2038324	4838017
Crab, Hermit.....	0	0	0	0	0	0	2	15	0	0	0	0	17
Crab, rock.....	182	253	127	519	1009	1504	0	321	163	658	429	137	5302
Crab, Tanner.....	0	0	0	0	8	1	0	0	0	0	0	0	9
Crayfish.....	0	0	0	2403	4214	24269	42009	23000	20389	7750	0	0	124034
Shrimp, brine.....	0	0	0	0	2900	9600	9900	6100	0	0	0	0	28500
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	44	0	0	0	44
Shrimp, ghost.....	6246	4893	5487	8016	14778	10682	8393	9434	8834	9999	6606	5959	99327
Shrimp, mud.....	7201	5649	7439	10271	6450	2405	1624	996	1834	3225	4318	4610	56022
Shrimp, pink.....	0	0	0	3168783	3446228	4056519	2114950	4233005	2886617	1805311	0	0	21711413
MOLLUSKS:													
Clams, butter.....	1383	65	30	160	70	45	403	438	262	265	425	0	3546
Clams, cockle.....	3937	5052	8159	6211	9862	8512	5133	2050	1910	3389	965	949	56129
Clams, gaper.....	1070	0	0	0	0	0	896	1359	1804	513	1690	1328	8660
Clams, littleneck.....	0	0	73	103	417	649	1559	2462	1685	2488	10	0	9446
Clams, softshell.....	224	531	607	980	1623	1241	580	1009	799	529	152	317	8592
Clams, razor.....	554	296	942	1813	2639	2107	1135	0	3818	12008	2585	683	28580
Mussels, ocean.....	610	8288	5423	4532	1180	770	910	918	225	790	0	8285	31931
Mussels, freshwater...	0	0	0	0	0	0	0	0	4991	0	0	0	4991
Octopus.....	3701	1705	1247	959	815	1045	1092	1732	1384	573	220	371	14844
Scallops, weathervane	0	46	0	354	0	0	0	456	165	0	0	0	1021
Snails & Chitons.....	0	0	0	0	3	0	0	11	0	0	0	0	14

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1991. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Squid.....	0	0	0	0	0	0	0	0	95	0	0	0	95
OTHER INVERTEBRATES:													
Sand Dollars.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Sea Anemone.....	0	0	0	0	32	0	0	0	0	0	0	0	32
Sea Cucumber.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	30	25	0	0	0	0	0	0	55
Sea urchins.....	0	0	0	0	10	0	0	0	0	0	0	0	10
Sea urchins, red.....	292866	544584	489087	566156	505805	401038	624870	379625	271755	260601	179412	221073	4736872
TOTAL	9234186	7535654	7760136	12651527	14926272	16531819	14261072	16561005	18122915	16627848	8316529	7504293	150033256

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1991. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Flounder, starry.....	0	1136	74	0	0	0	0	16	48	12	0	0	1286
Rockfish, other spp...	0	0	0	0	0	0	0	0	0	4	0	0	4
Salmon, chinook.....	0	151565	7003	0	0	0	0	93969	318489	106790	1321	0	679137
Salmon, chum.....	0	0	0	0	0	0	0	0	8	1012	193	0	1213
Salmon, coho.....	0	0	0	0	0	0	0	81350	830613	831244	32848	0	1776055
Salmon, pink.....	0	0	0	0	0	0	0	0	69	19	0	0	88
Shad, American.....	0	0	0	0	36176	84633	0	0	0	0	0	0	120809
Smelt.....	283	1297	0	0	0	0	0	0	0	0	0	0	1580
Sturgeon, green.....	0	72	0	0	0	0	0	90	16236	3222	0	0	19620
Sturgeon, white.....	0	16330	2123	0	0	0	0	13767	15372	18907	1825	0	68324
TOTAL	283	170400	9200	0	36176	84633	0	189192	1180835	961210	36187	0	2668116
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	63	0	0	0	0	15289	275074	26730	0	0	317156
Salmon, coho.....	0	0	0	0	0	0	0	30	17294	4564	0	0	21888
Steelhead.....	0	2281	3047	0	0	0	0	31998	63113	17125	0	0	117564
Sturgeon, white.....	539	12874	14742	4271	1012	0	0	0	0	0	0	0	33438
Walleye.....	0	354	589	0	0	0	0	134	477	252	0	0	1806
TOTAL	539	15509	18441	4271	1012	0	0	47451	355958	48671	0	0	491852
TOTAL	822	185909	27641	4271	37188	84633	0	236643	1536793	1009881	36187	0	3159968

1/ OREGON LANDINGS ONLY.

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1991. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	15533	12893	28434	43626	88749	244062	171374	195065	86235	60368	12096	11668	970103
Flounder, arrowtooth..	165601	81154	140035	206403	526351	889861	388590	648955	398987	229442	66320	102271	3843970
Flounder, starry.....	0	160	38517	4494	153964	62325	138818	122951	81477	6732	31606	21	641065
Grenadier.....	0	0	0	0	185	0	0	0	0	0	0	0	185
Hagfish.....	0	0	0	0	0	0	0	0	7762	0	0	0	7762
Halibut, Pacific.....	0	0	0	0	29009	0	11617	0	398575	0	0	0	439201
Lingcod.....	194470	38125	303799	593695	133237	132553	136702	152203	160104	81510	59567	90422	2076387
Pollock, walleye.....	0	0	0	85	4	0	0	0	0	0	0	0	89
Pac. Oc. Perch.....	100571	86439	97285	96518	117453	127836	114090	144991	138758	127141	45667	68317	1265066
Nominal POP.....	12301	6755	11686	16255	31221	17021	14223	15093	18397	26736	7946	20803	198437
Rockfish, widow.....	324571	292879	250117	111464	162905	382515	365993	329080	735742	457165	88835	407447	3908713
Rockfish, yellowtail..	205164	208201	261252	284644	212539	213779	139955	206502	220811	148445	90246	130662	2322200
Rkfish, Sebastolobus...	103023	70899	85619	80152	138291	102197	62562	70200	158128	205061	136246	144308	1356686
Rockfish, other spp...	232319	173572	193750	388303	525447	432243	353853	435415	431416	340244	120644	149360	3776566
Sablefish.....	137004	90411	150216	581776	359818	126092	81092	110034	206870	183143	86623	153083	2266162
Salmon, chinook.....	0	0	0	0	3144	691	528	1674	960	1846	0	0	8843
Salmon, coho.....	0	0	0	0	0	0	3022	25192	28936	0	0	0	57150
Salmon, pink.....	0	0	0	0	0	0	0	245	0	0	0	0	245
Sanddab, Pacific.....	8880	16548	17689	34821	45001	72014	28932	15886	11237	31347	5101	5283	292739
Shark, soupfin.....	443	631	37	30	136	0	305	472	1406	0	0	105	3565
Shark, spiny dogfish..	9397	15988	77074	23391	3202	3250	105	0	0	0	0	0	132407
Shark, other.....	0	0	30	0	0	0	0	0	0	0	0	0	30
Skates and rays.....	0	0	0	0	0	0	0	32	587	66	0	0	685
Sole, butter.....	0	0	0	507	0	0	0	0	0	0	0	0	507
Sole, curlfin (turbot)	0	0	0	0	0	240	48	0	0	0	0	106	394
Sole, Dover.....	797401	443081	1060613	1133111	674994	547060	470701	571550	623969	605572	243520	535991	7707563
Sole, English.....	31354	75820	34387	28651	83348	154473	161249	137079	143257	150506	37081	16240	1053445
Sole, flathead.....	0	0	380	0	21	3147	404	0	0	2141	0	0	6093
Sole, petrale.....	238586	103758	31063	15704	26709	50136	40809	26288	26821	40308	35585	113390	749157

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1991. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rex.....	44588	84458	26873	36171	80909	135590	82343	61698	76439	85384	18499	17916	750868
Sole, rock.....	0	0	0	0	0	0	0	38	20	0	0	0	58
Sole, sand.....	90	151	6896	12833	22666	43608	57833	34202	24197	20882	11295	252	234905
Sturgeon, green.....	0	0	820	146	1069	420	347	0	220	351	65	0	3438
Sturgeon, white.....	0	0	70	188	1299	220	0	42	40	220	80	0	2159
Tuna, albacore.....	0	0	0	0	0	0	0	160266	96230	1920	0	0	258416
Whiting, Pac. (Hake)..	0	0	0	12650	569388	650450	1005451	474783	0	0	0	0	2712722
Wolf-eel.....	0	0	0	0	57	84	24	180	18	0	13	0	376
Wrymouth.....	0	0	0	0	0	0	44	96	92	30	0	0	262
CRUSTACEANS:													
Crab, Dungeness, Oc...	636863	118935	70129	41253	40701	29963	46042	11677	0	0	0	397323	1392886
Shrimp, pink.....	0	0	0	740582	941079	1129411	495927	1172775	936930	545847	0	0	5962551
MOLLUSKS:													
Octopus.....	98	145	60	25	252	699	643	584	674	135	75	0	3390
TOTAL	3258257	1921003	2886831	4487478	4973148	5551940	4373626	5125248	5015295	3352542	1097110	2364968	44407446

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, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Rockfish, other spp....	0	0	0	0	0	0	0	8	3	0	0	0	11
Salmon, chinook.....	0	0	0	0	35	0	736	240	10	79	0	0	1100
Salmon, coho.....	0	0	0	0	0	0	24	8751	2988	444	0	0	12207
Salmon, pink.....	0	0	0	0	0	0	0	54	0	0	0	0	54
MOLLUSKS:													
Clams, razor.....	554	296	942	1813	2639	2107	1135	0	3818	12008	2585	683	28580
TOTAL	554	296	942	1813	2674	2107	1895	9053	6819	12531	2585	683	41952

TABLE 7B. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CANNON BEACH, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	137	72	0	0	0	209
Salmon, coho.....	0	0	0	0	0	0	0	5155	5185	0	0	0	10340
Salmon, pink.....	0	0	0	0	0	0	0	6	0	0	0	0	6
MOLLUSKS:													
Mussels, ocean.....	0	0	14	49	0	0	0	0	0	0	0	0	63
TOTAL	0	0	14	49	0	0	0	5298	5257	0	0	0	10618

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	68	93	201	137	254	312	267	386	561	1340	468	147	4234
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	0	50	222	10	0	0	0	282
Clams, littleneck.....	0	0	0	0	106	182	635	1684	1271	2051	0	0	5929
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	250	0	0	250
TOTAL	68	93	201	137	360	494	952	2292	1842	3641	468	147	10695

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	7	0	0	0	31	183	0	0	0	0	0	221
Cod, Pacific.....	1642	2497	1342	8900	8338	17608	8661	6031	4750	5257	652	112	65790
Flounder, arrowtooth..	40712	19177	12518	20129	17210	21597	6894	8349	36949	25242	2823	21622	233222
Flounder, starry.....	10	0	0	0	28	4084	704	507	161	214	419	0	6127
Halibut, Pacific.....	0	0	0	0	0	0	8223	0	0	0	0	0	8223
Lingcod.....	5313	5945	3388	43456	10849	25262	14631	4292	22966	28721	703	1909	167435
Mackeral.....	0	0	0	0	0	32	397	416	35	0	0	0	880
Pac. Oc. Perch.....	18057	4202	7207	15352	2186	2490	3038	3386	17297	11395	662	2471	87743
Nominal POP.....	24448	25097	10985	34170	22470	28872	14156	19191	8983	8063	3904	6845	207184
Rockfish, widow.....	67548	76637	80270	5947	1443	13912	24708	37978	106536	11258	3232	10554	440023
Rockfish, yellowtail..	39950	34845	18807	28716	7410	25706	16220	13370	17403	13691	2877	5305	224300
Rkfsh, Sebastolobus...	12716	7447	5674	4581	1659	2055	1144	1699	5541	8113	10443	13235	74307
Rockfish, other spp...	37260	16027	15805	58575	32647	34672	19369	24712	32047	15390	2455	8084	297043
Sablefish.....	28165	10795	13155	18071	30476	9080	10542	11112	19418	21341	10607	6924	189686
Salmon, chinook.....	0	0	0	0	1715	1811	20833	20090	31289	32925	0	0	108663
Salmon, coho.....	0	0	0	0	0	5333	246290	44958	16479	0	0	0	313060
Salmon, pink.....	0	0	0	0	0	26	1304	739	0	0	0	0	2069
Sanddab, Pacific.....	0	0	0	0	2944	1225	2182	354	608	1055	216	0	8584
Shark, blue.....	0	0	0	0	0	0	0	71	0	0	0	0	71
Sole, butter.....	0	0	0	0	0	300	0	0	0	0	0	0	300
Sole, Dover.....	208361	136350	117800	122107	40544	60354	64457	38902	87153	93405	24634	78465	1072532
Sole, English.....	1253	618	1093	1607	2240	6372	4249	2189	2483	14090	2752	590	39536
Sole, flathead.....	0	0	0	0	0	0	0	0	195	0	0	0	195
Sole, petrale.....	66562	13449	3694	2137	1310	3569	1976	1071	2050	4774	1152	22348	124092
Sole, rex.....	1735	1341	2273	1720	1898	5814	2076	1640	1364	3200	600	969	24630
Sole, rock.....	0	0	0	0	0	65	65	19	0	0	0	0	149
Sole, sand.....	267	0	0	0	13	14157	5666	3218	1540	1636	1769	0	28266
Sturgeon, green.....	23	0	0	0	0	84	0	0	0	0	0	0	107
Wolf-eel.....	0	0	0	0	0	97	208	88	102	0	0	0	495

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1991.

(CONT.)

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	23	0	0	23
Crab, Dungeness, Oc...	58914	24472	19301	15179	24707	22706	17417	7191	0	0	0	57535	247422
Shrimp, ghost.....	226	157	309	264	783	973	1139	926	592	646	190	108	6313
Shrimp, mud.....	500	510	470	110	40	0	0	0	0	0	0	0	1630
Shrimp, pink.....	0	0	0	359964	246115	307208	166665	510285	176804	180606	0	0	1947647
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	15	0	0	30	100	425	0	570
Clams, cockle.....	3900	2000	5624	5466	7829	7819	5133	2050	1910	3324	40	649	45744
Clams, gaper.....	0	0	0	0	0	0	0	0	200	300	1050	0	1550
Clams, littleneck.....	0	0	34	43	282	464	817	755	391	420	10	0	3216
Octopus.....	0	0	0	39	0	50	97	45	0	13	10	0	254
TOTAL	617562	381573	319749	746533	465136	623843	669444	765634	595276	485202	71625	237725	5979302

TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	33	0	45	0	0	0	78
Salmon, coho.....	0	0	0	0	0	0	2093	0	0	0	0	0	2093
Salmon, pink.....	0	0	0	0	0	0	23	0	0	0	0	0	23
CRUSTACEANS:													
Shrimp, ghost.....	0	0	0	0	0	0	0	381	0	0	0	0	381
Shrimp, mud.....	6497	5072	6812	10038	6326	2369	1624	991	1799	3216	4292	4499	53535
MOLLUSKS:													
Clams, cockle.....	0	3012	2192	0	892	65	0	0	0	65	925	300	7451
TOTAL	6497	8084	9004	10038	7218	2434	3793	1372	1844	3281	5217	4799	63561

TABLE 11. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PACIFIC CITY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	226	0	0	0	0	0	226
Lingcod.....	992	2740	733	1429	1029	1435	1511	1100	981	863	713	367	13893
Mackeral.....	0	0	0	0	0	101	0	13	0	0	0	0	114
Rockfish, widow.....	0	0	0	87	0	0	0	0	0	59	0	0	146
Rockfish, other spp...	223	636	2528	8965	5981	7448	3782	10843	4147	1279	1926	564	48322
Salmon, chinook.....	0	0	0	0	736	2338	8010	2539	808	2922	0	0	17353
Salmon, chum.....	0	0	0	0	0	0	12	0	0	17	0	0	29
Salmon, coho.....	0	0	0	0	0	4432	167215	5776	2638	0	0	0	180061
Salmon, pink.....	0	0	0	0	0	8	1578	0	0	0	0	0	1586
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	77	596	228	0	0	0	0	901
Shrimp, ghost.....	472	375	333	215	849	1131	461	250	640	1070	440	58	6294
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	0	9869	0	0	0	0	0	0	9869
TOTAL	1687	3751	3594	10696	8595	26839	183391	20749	9214	6210	3079	989	278794

TABLE 12. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SILETZ BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	0	0	0	0	0	0	31	57	24	0	0	112
TOTAL	0	0	0	0	0	0	0	31	57	24	0	0	112

TABLE 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEPOE BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	53	845	552	1042	533	51	490	2372	334	100	0	0	6372
Halibut, Pacific.....	0	0	0	0	0	0	1658	0	0	0	0	0	1658
Lingcod.....	31	987	2154	708	1042	961	1436	693	503	496	0	0	9011
Rockfish, widow.....	0	0	0	75	0	0	0	0	0	0	0	0	75
Rockfish, other spp...	0	313	1617	1755	322	207	62	291	460	64	0	0	5091
Salmon, chinook.....	0	0	0	0	1834	1139	729	2039	1869	1429	0	0	9039
Salmon, coho.....	0	0	0	0	0	21035	1710	0	0	0	0	0	22745
Salmon, pink.....	0	0	0	0	0	0	110	15	0	0	0	0	125
Shark, soupfin.....	0	0	27	0	0	0	0	0	0	0	0	0	27
Shark, spiny dogfish..	0	0	62	0	0	0	0	0	0	0	0	0	62
Skates and rays.....	0	0	91	0	0	0	0	0	0	0	0	0	91
Tuna, albacore.....	0	0	0	0	0	0	0	0	942	1899	0	0	2841
Wolf-eel.....	0	0	0	18	0	0	30	78	0	0	0	0	126
CRUSTACEANS:													
Barnacle, Gooseneck...	0	0	0	0	10	15	0	0	0	0	0	0	25
Crab, Dungeness, Oc...	8964	3217	4485	4721	2213	3040	1295	2407	0	0	0	8302	38644
MOLLUSKS:													
Mussels, ocean.....	0	0	0	0	100	20	0	0	0	0	0	0	120
Octopus.....	0	0	0	0	0	0	26	0	0	0	0	0	26
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	16236	104645	96551	40180	164772	62797	0	0	0	0	485181
TOTAL	9048	5362	25224	112964	102605	66648	172318	70692	4108	3988	0	8302	581259

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	290	62	136	342	149	1021	304	1034	4181	3441	239	0	11199
Cod, Pacific.....	437	980	6858	4761	15023	24053	16092	15712	2404	2818	406	2293	91837
Flounder, arrowtooth..	9223	11447	8740	18788	38241	40330	41727	9434	11094	21637	4301	2750	217712
Flounder, starry.....	59	259	77	298	3900	4963	8190	3893	9945	1918	519	191	34212
Greenling.....	0	0	0	0	0	0	16	0	11	6	0	0	33
Grenadier.....	0	0	0	0	0	0	0	0	0	92	146	110	348
Halibut, Pacific.....	439	102	325	30	38	245	67179	23	0	28	0	0	68409
Herring, Pacific.....	0	423640	100	106	0	0	0	636	12	0	0	0	424494
Lingcod.....	51484	14880	28625	25787	64477	72886	47509	36619	42861	39703	5981	6046	436858
Mackerel.....	0	0	0	0	0	0	1	4	30035	0	12500	0	42540
Ratfish.....	0	0	0	0	10	56	37	46	5	13	0	0	167
Pac. Oc. Perch.....	36241	33454	21389	7940	13282	29929	25290	18352	24561	26068	19322	18113	273941
Nominal POP.....	394619	233836	155593	64585	134849	280658	170102	171900	53541	144115	126570	201307	2131675
Rockfish, widow.....	636709	540093	428837	206767	212382	259764	451582	340899	416470	45181	25511	49355	3613550
Rockfish, yellowtail..	79140	90923	108597	58574	57022	53644	77911	49840	66904	43020	32003	46231	763809
Rkfish, Sebastolobus...	155462	182919	138003	165145	194998	189258	183680	132750	239803	304139	182176	152298	2220631
Rockfish, other spp...	137144	92306	113177	236572	352142	196038	224227	170688	356901	252241	45269	89654	2266359
Sablefish.....	83972	84707	90809	535758	428901	126628	116007	116905	131407	143765	96125	86134	2041118
Salmon, chinook.....	0	0	0	0	29384	61940	35404	50122	64398	56559	0	0	297807
Salmon, coho.....	0	0	0	0	0	243499	230888	7791	791	0	0	0	482969
Salmon, pink.....	0	0	0	0	2	452	2282	329	14	0	0	0	3079
Sanddab, Pacific.....	11298	584	20450	10805	342	8866	2655	1056	1620	1063	1249	1474	61462
Sculpin.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Irish Lord, Brown.....	0	8	0	0	0	0	0	0	0	0	0	0	8
Irish Lord, Red.....	0	5	0	0	0	0	0	6	0	0	0	0	11
Sculpin, Buffalo.....	2	0	0	0	0	0	0	0	0	0	2	0	4
Shark, blue.....	0	0	0	0	0	0	26	0	0	0	0	0	26
Shark, soupfin.....	20	211	23	0	0	35	27	0	0	0	0	0	316
Shark, spiny dogfish..	65	6140	5793	172	393	70	3	52	140	9	81	0	12918

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, other.....	0	0	0	0	0	0	0	0	10	0	0	0	10
Skates and rays.....	371	349	925	1054	657	795	154	23	94	764	156	166	5508
Sole, butter.....	0	0	0	0	0	0	0	0	2	2	3	0	7
Sole, curlfin (turbot)	0	5	0	0	6	13	15	12	3	15	5	0	74
Sole, Dover.....	221326	178911	169191	281585	337554	229016	269143	243514	240299	240274	147943	156211	2714967
Sole, English.....	12616	10801	48773	43016	34460	40625	43944	27171	31414	35782	13514	16954	359070
Sole, petrale.....	39695	22750	37697	26902	17092	25903	30701	17666	7089	9140	7390	25663	267688
Sole, rex.....	5799	7642	20288	7730	9118	7331	9207	5359	4770	5615	3079	4755	90693
Sole, rock.....	0	0	0	0	1612	375	5	179	0	2	152	200	2525
Sole, sand.....	42	0	158	130	30458	39174	16459	20468	69349	19123	5538	833	201732
Sturgeon, green.....	0	0	0	0	1016	636	32	0	83	485	523	165	2940
Sturgeon, white.....	0	0	0	0	0	0	0	0	181	80	0	0	261
Surfperch.....	1	0	0	0	0	20	413	127	233	15	0	0	809
Tuna, albacore.....	0	0	0	0	0	0	0	375216	245016	76188	0	0	696420
Whiting, Pac. (Hake)..	0	0	0	342243	1376398	2896303	2268528	3064957	4256000	6671901	4483194	120453	25479977
Wolf-eel.....	0	202	102	15	0	12	53	87	33	2	0	0	506
Wrymouth.....	0	0	0	0	68	0	0	0	0	0	0	0	68
CRUSTACEANS:													
Crab, box.....	119	2269	0	7953	102	0	9	0	2	4	2	0	10460
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	139	927	791	103	1960
Crab, Dungeness, Oc...	233888	69134	53100	36961	47480	76284	54709	29273	0	0	0	816221	1417050
Crab, Hermit.....	0	0	0	0	0	0	2	15	0	0	0	0	17
Crab, rock.....	182	253	127	519	1009	1504	0	321	163	0	190	137	4405
Crab, Tanner.....	0	0	0	0	8	1	0	0	0	0	0	0	9
Shrimp, ghost.....	159	375	481	861	163	0	0	0	0	0	0	0	2039
Shrimp, mud.....	5	0	90	56	5	0	0	0	0	0	0	0	156
Shrimp, pink.....	0	0	0	662183	1048322	996640	563088	522038	650705	632438	0	0	5075414
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	0	0	5	0	0	0	0	5

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, cockle.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0	400	600	1000
Octopus.....	491	516	633	456	332	67	257	173	20	145	20	56	3166
Snails & Chitons.....	0	0	0	0	3	0	0	11	0	0	0	0	14
Squid.....	0	0	0	0	0	0	0	0	95	0	0	0	95
OTHER INVERTEBRATES:													
Sand Dollars.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Sea Anemone.....	0	0	0	0	32	0	0	0	0	0	0	0	32
Sea Cucumber.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	30	25	0	0	0	0	0	0	55
Sea urchins.....	0	0	0	0	10	0	0	0	0	0	0	0	10
TOTAL	2111298	2009763	1459097	2748094	4451470	5909075	4957859	5434709	6962798	8778718	5215300	1798473	51836654

TABLE 15. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WALDPOR, 1991.

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	957	6795	7091	199	15042
Shrimp, ghost.....	5115	3633	3965	6365	12350	7923	6146	7220	6679	6527	5131	5441	76495
Shrimp, mud.....	199	67	67	52	79	36	0	5	35	9	6	51	606
MOLLUSKS:													
Clams, cockle.....	0	40	233	167	530	0	0	0	0	0	0	0	970
Mussels, ocean.....	300	0	0	0	135	0	0	340	0	0	0	0	775
TOTAL	5614	3740	4265	6584	13094	7959	6146	7565	7671	13331	12228	5691	93888

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	2069	0	0	0	0	0	2069
Lingcod.....	0	0	0	48	148	38	8	23	5	0	0	0	270
Rockfish, yellowtail..	0	0	0	1029	4214	297	0	0	0	0	0	0	5540
Rockfish, other spp...	0	38	0	8331	3110	238	207	774	1652	12	0	0	14362
Sablefish.....	0	2214	0	142642	92250	1266	0	0	0	0	0	0	238372
Salmon, chinook.....	0	0	0	0	3632	25242	9634	21222	2665	624	0	0	63019
Salmon, chum.....	0	0	0	0	0	0	21	0	0	0	0	0	21
Salmon, coho.....	0	0	0	0	0	27471	61082	891	0	0	0	0	89444
Salmon, pink.....	0	0	0	0	39	71	12	53	0	0	0	0	175
Sanddab, Pacific.....	0	0	0	0	5	0	0	0	0	0	0	0	5
Shad, American.....	0	0	0	0	0	794	59	0	0	0	0	0	853
Sole, Dover.....	0	0	0	0	10	0	0	0	0	0	0	0	10
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	1590	0	0	1590
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	7	0	0	0	7
Crab, Dungeness, Oc...	20895	12221	8076	8464	12753	15622	38798	18723	0	0	0	39831	175383
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	7	20	0	27
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	50	12	0	58	0	0	0	0	120
Mussels, ocean.....	0	0	116	150	150	150	0	0	0	0	0	0	566
TOTAL	20895	14473	8192	160664	116361	71201	111890	41744	4329	2233	20	39831	591833

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TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Marlin, Striped.....	0	0	0	0	0	0	0	73	0	0	0	0	73
Halibut, Pacific.....	0	0	0	0	0	0	5841	0	0	0	0	0	5841
Herring, Pacific.....	0	0	0	0	0	0	3500	2500	0	0	0	0	6000
Lingcod.....	168	644	20	605	37	539	0	8	5	75	278	32	2411
Pac. Oc. Perch.....	52	0	0	0	0	0	0	0	0	0	0	0	52
Rockfish, widow.....	79	192	0	0	0	0	0	40	159	0	0	0	470
Rockfish, yellowtail..	0	0	0	0	0	0	0	180	0	0	0	0	180
Rockfish, other spp...	398	647	135	363	688	201	2729	733	1634	2620	222	56	10426
Sablefish.....	0	0	1728	26464	45597	2113	0	0	0	0	0	0	75902
Salmon, chinook.....	0	0	0	0	1166	23786	13993	13790	11367	1344	0	0	65446
Salmon, chum.....	0	0	0	0	0	20	0	0	0	0	0	0	20
Salmon, coho.....	0	0	0	0	0	49084	147596	0	0	0	0	0	196680
Salmon, pink.....	0	0	0	0	0	50	70	52	0	0	0	0	172
Shad, American.....	0	0	0	0	3538	15894	0	0	0	0	0	0	19432
Smelt.....	0	0	0	0	0	0	400	0	0	0	0	0	400
Sole, Dover.....	0	0	0	0	0	206	0	0	0	0	0	0	206
Sole, sand.....	0	0	0	0	0	0	0	0	0	468	0	0	468
Tuna, albacore.....	0	0	0	0	0	0	0	18631	23400	0	0	0	42031
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	5384	7369	2004	101	14858
Crab, Dungeness, Oc...	67054	20617	14074	15105	15138	10278	31349	26497	0	0	0	224509	424621
Shrimp, pink.....	0	0	0	0	0	11385	14664	2002	6425	13637	0	0	48113
MOLLUSKS:													
Clams, cockle.....	7	0	0	8	0	0	0	0	0	0	0	0	15
Clams, littleneck....	0	0	5	0	0	0	0	0	0	0	0	0	5
Clams, softshell.....	224	531	607	980	1573	1169	580	951	799	529	152	292	8387
Mussels, ocean.....	310	8288	5193	4333	795	600	810	578	225	540	0	8225	29897
TOTAL	68292	30919	21762	47858	68532	115325	221532	66035	49398	26582	2656	233215	952106

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	19	0	0	66	19	0	0	42	0	0	0	146
Cod, Pacific.....	66	238	18	467	493	929	1213	513	647	864	234	350	6032
Flounder, arrowtooth..	8819	7278	3546	7124	37978	38607	37741	27753	22445	25301	10204	19214	246010
Flounder, starry.....	0	744	5	15	112	10308	6537	14315	2980	768	12	0	35796
Grenadier.....	5167	4059	13518	10308	16618	9841	26470	21736	46686	30640	29038	20439	234520
Hagfish.....	0	11130	21855	0	0	18852	5016	0	0	0	0	53065	109918
Halibut, Pacific.....	0	0	0	0	0	42	6765	0	0	0	0	0	6807
Lingcod.....	9057	53928	13834	32298	60493	76737	70239	35798	32114	61774	19631	8950	474853
Mackerel.....	0	0	0	0	0	41	0	0	0	0	0	0	41
Pollock, walleye.....	0	0	0	0	27	0	0	0	0	224	0	0	251
Pac. Oc. Perch.....	3036	4881	1538	0	4355	620	5216	2473	1040	370	732	2546	26807
Nominal POP.....	71874	64939	79469	51738	82273	135163	83868	40961	72366	70854	42011	60290	855806
Rockfish, widow.....	272166	267121	234132	58807	76006	75747	123133	166031	272624	48307	20278	20044	1634396
Rockfish, yellowtail..	85159	60786	39490	58849	52067	34502	21806	16712	27694	37381	46080	32063	512589
Rkfish, Sebastolobus...	284211	255991	280309	136093	228794	209648	236752	348095	331217	367083	445782	468267	3592242
Rockfish, other spp...	168723	133029	184761	190633	487304	337600	363214	221288	282283	298679	123383	99082	2889979
Sablefish.....	156544	165902	211200	485839	530464	169319	179042	179049	189135	197799	163379	210327	2837999
Salmon, chinook.....	0	0	0	0	462	28148	33376	40293	62616	28625	0	0	193520
Salmon, chum.....	0	0	0	0	0	0	0	0	0	15	0	0	15
Salmon, coho.....	0	0	0	0	0	83583	157671	0	0	0	0	0	241254
Salmon, pink.....	0	0	0	0	0	583	455	78	0	0	0	0	1116
Sanddab, Pacific.....	19234	36890	75057	5426	24532	36004	52882	1424	33347	30141	11567	368	326872
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	300	0	0	300
Shark, soupfin.....	0	200	0	0	0	23	20	18	0	0	15	53	329
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	0	18	18
Skates and rays.....	0	0	0	0	0	0	0	0	0	68	0	0	68
Sole, curlfin (turbot)	0	0	64	35	0	90	356	1187	273	34	0	0	2039
Sole, Dover.....	733079	690967	926070	663294	730021	472408	495208	426136	507020	581285	430671	511385	7167544
Sole, English.....	31168	48596	31651	23064	42891	50692	41765	27287	44271	31383	12026	15186	399980

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, petrale.....	280196	80300	25307	27038	19454	16664	12639	6916	12497	13078	38697	244331	777117
Sole, rex.....	12374	6549	3522	787	5482	6858	2190	428	781	318	580	2784	42653
Sole, rock.....	0	0	0	0	833	112	58	19	120	11	28	0	1181
Sole, sand.....	0	69	77	156	729	60200	23123	43704	25878	14827	0	0	168763
Sturgeon, green.....	0	0	0	0	131	1259	0	0	0	0	0	0	1390
Sturgeon, white.....	0	0	0	0	458	5209	377	283	251	842	0	0	7420
Tuna, albacore.....	0	0	0	0	0	0	0	161868	39877	5716	0	0	207461
Whiting, Pac. (Hake)..	0	0	0	64552	169003	38825	50793	397130	195719	0	0	0	916022
Wolf-eel.....	0	7	0	0	336	0	0	0	48	53	0	0	444
Wrymouth.....	0	0	0	0	0	0	0	0	13	12	0	0	25
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	17341	22764	11708	1851	53664
Crab, Dungeness, Oc...	134474	56494	28746	15211	16055	19477	32373	14815	0	0	0	313896	631541
Crab, rock.....	0	0	0	0	0	0	0	0	0	658	239	0	897
Shrimp, ghost.....	206	260	198	148	353	319	380	240	305	385	357	205	3356
Shrimp, mud.....	0	0	0	15	0	0	0	0	0	0	20	60	95
Shrimp, pink.....	0	0	0	827753	476151	856969	460412	1026809	745919	267452	0	0	4661465
MOLLUSKS:													
Clams, butter.....	1383	65	30	160	70	30	353	211	222	165	0	0	2689
Clams, cockle.....	30	0	110	570	611	620	0	0	0	0	0	0	1941
Clams, gaper.....	1070	0	0	0	0	0	896	1359	1604	213	240	728	6110
Clams, littleneck.....	0	0	34	60	29	3	107	23	23	17	0	0	296
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0	0	25	25
Mussels, ocean.....	0	0	100	0	0	0	100	0	0	0	0	60	260
Octopus.....	0	205	0	0	18	0	0	130	55	23	0	112	543
Scallops, weathervane	0	46	0	354	0	0	0	456	165	0	0	0	1021
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	30602	36419	64703	115931	32948	14900	10424	15657	0	755	322339
TOTAL	2278036	1950693	2205243	2697213	3129372	2911982	2565494	3240438	2980042	2154086	1406912	2086454	29605965

TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	0	0	136	6	48	0	0	190
Rockfish, other spp...	0	0	0	0	0	79	0	101	1162	552	0	0	1894
Sablefish.....	0	0	0	3808	0	0	0	0	0	0	0	0	3808
Salmon, chinook.....	0	0	0	0	0	556	624	1872	10535	257	0	0	13844
Salmon, coho.....	0	0	0	0	0	1956	4438	0	0	0	0	0	6394
Salmon, pink.....	0	0	0	0	0	66	0	0	0	0	0	0	66
CRUSTACEANS:													
Crab, Dungeness, Oc...	1255	0	69	36	0	0	5925	19644	0	0	0	3324	30253
Shrimp, ghost.....	0	0	0	26	26	24	0	0	0	0	0	0	76
Shrimp, pink.....	0	0	0	0	0	18386	44521	11766	0	0	0	0	74673
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	60	0	0	0	0	0	0	60
TOTAL	1255	0	69	3870	26	21127	55508	33519	11703	857	0	3324	131258

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TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	29	0	0	0	0	0	0	0	0	0	71	246	346
Flounder, arrowtooth..	0	0	0	76	42	25	0	0	0	0	0	0	143
Hagfish.....	48210	6660	35860	66125	0	0	0	0	0	0	0	0	156855
Halibut, Pacific.....	0	0	0	0	0	0	10683	0	47	0	0	0	10730
Lingcod.....	575	6699	2035	1948	2360	1471	1429	5672	5465	3698	4410	2455	38217
Nominal POP.....	0	0	0	0	0	10	0	0	0	0	0	0	10
Rockfish, widow.....	0	0	0	0	0	0	0	400	0	211	0	2812	3423
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	5101	2046	0	1074	8221
Rockfish, other spp...	9818	42829	30294	70276	52534	40348	21388	96883	69011	29510	23924	19264	506079
Sablefish.....	1427	391	39950	203752	151014	8315	0	93	0	1335	0	1633	407910
Salmon, chinook.....	0	0	0	0	0	195	0	300	5054	7793	0	0	13342
Salmon, coho.....	0	0	0	0	0	306	0	0	0	0	0	0	306
Salmon, pink.....	0	0	0	0	0	22	0	0	0	0	0	0	22
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	30	0	30
Sole, Dover.....	0	0	0	5	5	55	100	50	0	0	0	0	215
Sole, English.....	0	0	0	0	1	0	0	0	2	1	0	0	4
Wolf-eel.....	0	0	0	0	0	0	0	0	0	0	7	9	16
CRUSTACEANS:													
Crab, Dungeness, Oc...	34183	19510	16851	6489	7942	5471	2730	5354	0	0	0	22089	120619
Shrimp, pink.....	0	0	0	4606	58590	27065	20879	38234	11261	23224	0	0	183859
MOLLUSKS:													
Octopus.....	798	456	300	49	58	13	23	105	16	38	0	93	1949
OTHER INVERTEBRATES:													
Sea urchins, red.....	235056	476706	405530	213475	221561	75379	100280	77379	125705	141297	126901	180523	2379792
TOTAL	330096	553251	530820	566801	494107	158675	157512	224470	221662	209153	155343	230198	3832088

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	123	0	1874	7807	337	178	112	45	0	91	73	0	10640
Rockfish, widow.....	0	0	0	0	45	0	0	0	0	0	0	0	45
Rockfish, other spp...	769	644	393	2407	684	2620	2141	1077	146	64	8	0	10953
Sablefish.....	1350	559	0	18459	10592	6947	0	0	0	0	0	0	37907
Salmon, chinook.....	0	0	0	0	0	0	179	0	0	0	0	0	179
Salmon, coho.....	0	0	0	0	0	44	1732	0	0	0	0	0	1776
OTHER INVERTEBRATES:													
Sea urchins, red.....	42555	54666	36719	211617	122990	159679	176714	123056	117305	75491	40305	39795	1200892
TOTAL	44797	55869	38986	240290	134648	169468	180878	124178	117451	75646	40386	39795	1262392

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	0	0	0	11	28	16	0	0	55
Cod, Pacific.....	0	0	123	0	162	0	0	36	0	0	0	0	321
Flounder, arrowtooth..	11514	13392	3640	1022	7792	130	0	7483	4478	2989	4510	6850	63800
Greenling.....	0	0	0	0	0	0	0	0	8	9	0	0	17
Grenadier.....	3935	2452	0	0	563	0	0	0	4800	3126	3145	950	18971
Halibut, Pacific.....	0	0	0	0	0	0	1282	0	0	0	0	0	1282
Lingcod.....	5405	4197	1782	410	3402	1717	3415	7269	10133	5801	3052	618	47201
Mackeral.....	0	0	0	0	0	0	0	0	15	0	0	0	15
Nominal POP.....	6519	5310	3281	1011	4323	518	31	2335	5059	3782	2624	952	35745
Rockfish, widow.....	9978	3187	14656	21872	5498	280	0	1360	727	81	5641	0	63280
Rockfish, yellowtail..	5793	22	4414	152	5231	191	0	254	4914	0	0	0	20971
Rkfish, Sebastolobus...	60462	92731	30406	9360	12672	0	0	1471	22567	74765	71143	98681	474258
Rockfish, other spp...	10640	12725	25638	13238	30635	50772	10238	23255	32189	8767	7266	1298	226661
Sablefish.....	29359	54922	31106	128808	125271	881	0	3094	17754	68396	55756	53743	569090
Salmon, chinook.....	0	0	0	0	0	56	723	267	5498	423	0	0	6967
Salmon, coho.....	0	0	0	0	0	100	5772	0	391	0	0	0	6263
Sanddab, Pacific.....	115	125	208	0	7	50	0	0	474	34	0	0	1013
Shark, soupfin.....	67	81	0	52	0	0	16	200	11	0	25	0	452
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	188	0	0	0	188
Sole, butter.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Sole, Dover.....	111839	139480	78202	36189	35345	201	0	14787	41313	120763	88195	99626	765940
Sole, English.....	1532	1726	822	0	327	405	0	288	5052	2027	258	463	12900
Sole, petrale.....	71846	16893	2120	144	372	175	0	1226	6667	3991	3552	28989	135975
Sole, rex.....	14378	9736	3651	946	1271	45	0	84	1649	3226	2358	2120	39464
Sole, sand.....	0	0	138	0	0	0	0	0	0	2	0	0	140
Surfperch.....	0	188	64	973	0	0	0	0	0	0	167	0	1392
Tuna, albacore.....	0	0	0	0	0	0	0	4645	24504	13512	7398	0	50059

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Oc...	118457	40113	17997	15474	5542	1469	3392	959	0	0	0	155294	358697
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	44	0	0	0	44
Shrimp, pink.....	0	0	0	573695	675971	709455	348794	949096	358573	142107	0	0	3757691
MOLLUSKS:													
Octopus.....	2314	383	254	390	155	216	46	695	619	219	115	110	5516
OTHER INVERTEBRATES:													
Sea urchins, red.....	15255	13212	0	0	0	0	150156	101493	18321	28156	12206	0	338799
TOTAL	479408	410875	218502	803736	914539	766661	523865	1120311	565976	482192	267411	449694	7003170

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991.

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:										
Marlin, Striped.....	73	0	0	0	0	0	0	0	0	0
Cabezon.....	840	0	0	0	0	0	0	0	0	0
Dace, speckled.....	0	0	0	0	0	0	0	0	0	0
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0
Shiner, redbside.....	0	0	0	0	0	0	0	0	0	0
Squawfish, Northern...	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	8	0	0	0	0	0	0	0	0	0
Flounder, starry.....	0	0	0	0	1286	0	0	0	0	0
Greenling.....	0	0	0	0	0	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hagfish.....	0	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	420	0	0	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lamprey.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	6361	0	0	0	0	0	0	0	0	0
Mackeral.....	767	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
Pac. Oc. 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.....	0	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	857	0	0	0	0	0	0	0	0	0
Rkfish, Sebastolobus...	0	0	0	0	0	0	0	0	0	0
Rockfish, other spp...	45760	0	0	0	4	0	0	0	0	0
Sablefish.....	7	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	799330	0	0	79	679137	304432	0	12724	0	0
Salmon, chum.....	85	0	0	0	1213	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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, coho.....	1622298	0	0	444	1776055	17805	0	4083	0	0
Salmon, pink.....	8738	0	0	0	88	0	0	0	0	0
Sanddab, Pacific.....	5	0	0	0	0	0	0	0	0	0
Sculpin.....	0	0	0	0	0	0	0	0	0	0
Irish Lord, Brown.....	0	0	0	0	0	0	0	0	0	0
Irish Lord, Red.....	0	0	0	0	0	0	0	0	0	0
Sculpin, Buffalo.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	16952	3333	120809	0	0	0	0	0
Shark, blue.....	0	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, other.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	47	0	0	0	0	0	0	0	0	0
Smelt.....	0	0	0	0	1580	0	0	0	0	0
Smelt, Whitebait.....	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.....	16	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	100316	0	17248	0	0
Sturgeon, green.....	0	0	0	0	19620	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	68324	27616	5822	0	0	0
Sucker, bridgelip.....	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	1258818	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	1806	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.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Barnacle, Gooseneck...	0	0	0	0	0	0	0	0	0	0
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, Oc...	0	0	0	0	0	0	0	0	0	0
Crab, Hermit.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
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, 1991. (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:										
Sand Dollars.....	0	0	0	0	0	0	0	0	0	0
Sea Anemone.....	0	0	0	0	0	0	0	0	0	0
Sea Cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea Stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchins.....	0	0	0	0	0	0	0	0	0	0
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	3744430	0	16952	3856	2668116	451975	5822	34055	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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:										
Marlin, Striped.....	0	0	0	0	0	0	0	0	0	0
Cabezon.....	0	3077	0	13802	307	0	0	0	0	0
Dace, speckled.....	0	0	0	0	0	0	0	0	0	0
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0
Shiner, redbside.....	0	0	0	0	0	0	0	0	0	0
Squawfish, Northern..	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	159	0	285	1129806	50	3783	0	0	0
Flounder, arrowtooth.	2098	340	0	0	4592184	0	10227	0	0	0
Flounder, starry.....	0	0	0	0	717054	0	14	0	0	0
Greenling.....	0	17	0	32	1	0	0	0	0	0
Grenadier.....	0	0	0	0	254024	0	0	0	0	0
Hagfish.....	274535	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	0	542118	0	575	1050	0	283	0	0	0
Herring, Pacific.....	0	0	0	2260	0	0	0	0	0	0
Lamprey.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	498	30097	0	96856	3106994	125	36054	0	0	0
Mackeral.....	0	0	0	13	310	42500	0	0	0	0
Pollock, walleye.....	0	0	0	0	340	0	0	0	0	0
Ratfish.....	0	5	0	10	152	0	0	0	0	0
Pac. Oc. Perch.....	0	102	0	53	1650334	3000	120	0	0	0
Nominal POP.....	0	8911	0	1803	3410190	2498	5455	0	0	0
Rockfish, widow.....	0	996	0	10531	4340771	5304467	7356	0	0	0
Rockfish, yellowtail.	0	8272	0	45944	3510540	126606	164017	0	0	0
RKfsh, Sebastolobus..	395	8036	0	0	7708972	0	721	0	0	0
Rockfish, other spp..	1022	402794	0	960401	7937467	13925	689822	0	0	0
Sablefish.....	1564309	1651775	0	26890	5398485	42	26446	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

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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, coho.....	0	0	0	0	0	0	0	0	0	0
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	690293	0	377	0	0	0
Sculpin.....	0	0	0	0	8	0	0	0	0	0
Irish Lord, Brown....	0	0	0	0	0	0	0	0	0	0
Irish Lord, Red.....	0	0	0	5	0	0	0	0	0	0
Sculpin, Buffalo.....	0	0	0	4	0	0	0	0	0	0
Shad, American.....	0	0	0	0	0	0	0	0	0	0
Shark, blue.....	0	18	0	8	71	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	300	0	0	0	0	0
Shark, soupfin.....	0	160	0	27	4193	0	339	0	0	0
Shark, spiny dogfish.	0	17	0	131	145047	0	210	0	0	0
Shark, other.....	0	0	0	0	40	0	0	0	0	0
Skates and rays.....	0	349	0	135	5821	0	0	0	0	0
Smelt.....	0	0	0	0	0	0	0	0	0	0
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	3	0	0	814	0	0	0	0	0
Sole, curlfin (turbot	0	0	0	0	2502	0	0	0	0	0
Sole, Dover.....	101	214	0	0	19387138	0	41524	0	0	0
Sole, English.....	0	0	0	0	1863533	0	1402	0	0	0
Sole, flathead.....	0	0	0	0	6173	0	115	0	0	0
Sole, petrale.....	0	100	0	120	2053200	0	593	0	0	0
Sole, rex.....	0	0	0	0	947300	0	1008	0	0	0
Sole, rock.....	0	4	0	0	3909	0	0	0	0	0
Sole, sand.....	0	2	0	0	633753	0	507	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	7875	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	9840	0	0	0	0	0
Sucker, bridgelip....	0	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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.....	0	0	0	2201	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	150061	28958660	0	0	0	0
Wolf-eel.....	0	99	0	44	1295	0	6	0	0	0
Wrymouth.....	0	0	0	0	345	0	10	0	0	0
CRUSTACEANS:										
Barnacle, Gooseneck..	0	0	0	0	0	0	0	0	0	0
Crab, box.....	0	0	0	0	119	0	0	0	0	0
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, Oc..	0	0	0	0	0	0	0	0	0	0
Crab, Hermit.....	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	9	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, Coonstripe...	0	0	0	0	0	0	0	0	0	44
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	21711413	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, 1991. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Octopus.....	0	412	0	75	6244	0	1569	0	0	0
Scallops, weathervane	0	0	0	0	667	0	0	0	0	0
Snails & Chitons.....	0	0	0	0	3	0	0	0	0	0
Squid.....	0	0	0	0	95	0	0	0	0	0
OTHER INVERTEBRATES:										
Sand Dollars.....	0	0	0	0	0	0	0	0	0	0
Sea Anemone.....	0	0	0	0	32	0	0	0	0	0
Sea Cucumber.....	0	0	0	0	1	0	0	0	0	0
Sea Stars.....	0	0	0	0	55	0	0	0	0	0
Sea urchins.....	0	0	0	0	10	0	0	0	0	0
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	1842958	2658077	0	1162205	69679727	34451873	22703371	0	0	44

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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:											
Marlin, Striped.....	0	0	0	0	0	0	0	0	0	0	73
Cabezon.....	313	0	0	0	0	0	0	0	0	0	18339
Dace, speckled.....	0	0	0	0	0	0	0	0	74	0	74
Minnow, Fathead.....	0	0	0	0	0	0	0	0	7	0	7
Shiner, redbside.....	0	0	0	0	0	0	0	0	193	0	193
Squawfish, Northern...	0	0	0	0	0	0	0	0	36	0	36
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	1134083
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	0	4604857
Flounder, starry.....	132	0	0	0	0	0	0	0	0	0	718486
Greenling.....	0	0	0	0	0	0	0	0	0	0	50
Grenadier.....	0	0	0	0	0	0	0	0	0	0	254024
Hagfish.....	0	0	0	0	0	0	0	0	0	0	274535
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	0	544446
Herring, Pacific.....	0	0	0	0	0	0	0	0	428234	0	430494
Lamprey.....	0	0	0	0	0	32221	0	0	0	0	32221
Lingcod.....	375	0	0	0	0	0	0	0	0	0	3277360
Mackeral.....	0	0	0	0	0	0	0	0	0	0	43590
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0	340
Ratfish.....	0	0	0	0	0	0	0	0	0	0	167
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	0	1653609
Nominal POP.....	0	0	0	0	0	0	0	0	0	0	3428857
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	0	9664121
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	0	3856236
Rkfish, Sebastolobus...	0	0	0	0	0	0	0	0	0	0	7718124
Rockfish, other spp...	1433	0	0	0	0	0	0	0	0	0	10052628
Sablefish.....	0	0	0	0	0	0	0	0	0	0	8667954
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0	1795702
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0	1298

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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
Salmon, coho.....	0	0	0	0	0	0	0	0	0	3420685
Salmon, pink.....	0	0	0	0	0	0	0	0	0	8826
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	690675
Sculpin.....	0	0	0	0	0	0	0	0	0	8
Irish Lord, Brown.....	8	0	0	0	0	0	0	0	0	8
Irish Lord, Red.....	6	0	0	0	0	0	0	0	0	11
Sculpin, Buffalo.....	0	0	0	0	0	0	0	0	0	4
Shad, American.....	0	0	0	0	0	0	0	0	0	141094
Shark, blue.....	0	0	0	0	0	0	0	0	0	97
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	300
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	4719
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	145405
Shark, other.....	0	0	0	0	0	0	0	0	0	40
Skates and rays.....	0	0	0	0	0	0	0	0	0	6352
Smelt.....	0	0	0	0	0	0	0	400	0	1980
Smelt, Whitebait.....	0	0	0	0	0	0	0	188	0	188
Sole, butter.....	0	0	0	0	0	0	0	0	0	817
Sole, curlfin (turbot)	5	0	0	0	0	0	0	0	0	2507
Sole, Dover.....	0	0	0	0	0	0	0	0	0	19428977
Sole, English.....	0	0	0	0	0	0	0	0	0	1864935
Sole, flathead.....	0	0	0	0	0	0	0	0	0	6288
Sole, petrale.....	0	0	0	0	0	0	0	0	0	2054029
Sole, rex.....	0	0	0	0	0	0	0	0	0	948308
Sole, rock.....	0	0	0	0	0	0	0	0	0	3913
Sole, sand.....	12	0	0	0	0	0	0	0	0	634274
Steelhead.....	0	0	0	0	0	0	0	0	0	117564
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	27495
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	111602
Sucker, bridgelip.....	0	0	0	0	0	0	0	139	0	139

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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.....	0	0	0	0	0	0	0	0	0	0	2201
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	1258818
Walleye.....	0	0	0	0	0	0	0	0	0	0	1806
Whiting, Pac. (Hake)..	0	0	0	0	0	0	0	0	0	0	29108721
Wolf-eel.....	515	4	0	0	0	0	0	0	0	0	1963
Wrymouth.....	0	0	0	0	0	0	0	0	0	0	355
CRUSTACEANS:											
Barnacle, Gooseneck...	0	0	0	0	0	25	0	0	0	0	25
Crab, box.....	10341	0	0	0	0	0	0	0	0	0	10460
Crab, Dungeness, Bay..	0	85554	0	0	0	0	0	0	0	0	85554
Crab, Dungeness, Oc....	4838004	13	0	0	0	0	0	0	0	0	4838017
Crab, Hermit.....	2	0	0	0	0	15	0	0	0	0	17
Crab, rock.....	0	5302	0	0	0	0	0	0	0	0	5302
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0	9
Crayfish.....	0	0	0	0	0	0	0	0	90	123944	124034
Shrimp, brine.....	0	0	0	0	0	28500	0	0	0	0	28500
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	0	44
Shrimp, ghost.....	0	0	0	0	0	0	0	99327	0	0	99327
Shrimp, mud.....	0	0	0	0	0	0	0	56022	0	0	56022
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	21711413
MOLLUSKS:											
Clams, butter.....	0	0	855	483	2208	0	0	0	0	0	3546
Clams, cockle.....	15	0	4778	0	51336	0	0	0	0	0	56129
Clams, gaper.....	0	0	1052	183	7425	0	0	0	0	0	8660
Clams, littleneck.....	0	0	284	0	9162	0	0	0	0	0	9446
Clams, softshell.....	0	0	8544	0	48	0	0	0	0	0	8592
Clams, razor.....	0	0	28580	0	0	0	0	0	0	0	28580
Mussels, ocean.....	0	0	0	0	31931	0	0	0	0	0	31931
Mussels, freshwater...	0	0	0	0	4991	0	0	0	0	0	4991

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1991. (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
Octopus.....	6514	30	0	0	0	0	0	0	0	0	14844
Scallops, weathervane	0	0	0	0	0	0	354	0	0	0	1021
Snails & Chitons.....	0	0	0	0	0	11	0	0	0	0	14
Squid.....	0	0	0	0	0	0	0	0	0	0	95
OTHER INVERTEBRATES:											
Sand Dollars.....	3	0	0	0	0	0	0	0	0	0	3
Sea Anemone.....	0	0	0	0	0	0	0	0	0	0	32
Sea Cucumber.....	0	0	0	0	0	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	0	0	0	0	0	0	55
Sea urchins.....	0	0	0	0	0	0	0	0	0	0	10
Sea urchins, red.....	0	0	0	0	0	4736872	0	0	0	0	4736872
TOTAL	4857678	90903	44093	666	666	4904745	354	155349	429361	123944	150030554

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991.

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:										
Marlin, Striped.....	310	0	0	0	0	0	0	0	0	0
Cabezon.....	421	0	0	0	0	0	0	0	0	0
Dace, speckled.....	0	0	0	0	0	0	0	0	0	0
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0
Shiner, redbside.....	0	0	0	0	0	0	0	0	0	0
Squawfish, Northern...	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	3	0	0	0	0	0	0	0	0	0
Flounder, starry.....	0	0	0	0	407	0	0	0	0	0
Greenling.....	0	0	0	0	0	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hagfish.....	0	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	982	0	0	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lamprey.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	3326	0	0	0	0	0	0	0	0	0
Mackeral.....	131	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
Pac. Oc. 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.....	0	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	271	0	0	0	0	0	0	0	0	0
Rkfish, Sebastolobus...	0	0	0	0	0	0	0	0	0	0
Rockfish, other spp...	18122	0	0	0	1	0	0	0	0	0
Sablefish.....	4	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	1720186	0	0	99	1028287	179039	0	3805	0	0
Salmon, chum.....	82	0	0	0	478	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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, coho.....	1398088	0	0	390	1411347	11449	0	3040	0	0
Salmon, pink.....	4055	0	0	0	23	0	0	0	0	0
Sanddab, Pacific.....	2	0	0	0	0	0	0	0	0	0
Sculpin.....	0	0	0	0	0	0	0	0	0	0
Irish Lord, Brown.....	0	0	0	0	0	0	0	0	0	0
Irish Lord, Red.....	0	0	0	0	0	0	0	0	0	0
Sculpin, Buffalo.....	0	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	2881	250	27205	0	0	0	0	0
Shark, blue.....	0	0	0	0	0	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0
Shark, other.....	0	0	0	0	0	0	0	0	0	0
Skates and rays.....	15	0	0	0	0	0	0	0	0	0
Smelt.....	0	0	0	0	1054	0	0	0	0	0
Smelt, Whitebait.....	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.....	13	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	60118	0	11840	0	0
Sturgeon, green.....	0	0	0	0	11969	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	126421	64183	15266	0	0	0
Sucker, bridgelip.....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	975651	0	0	0	0	0	0	0	0	0
Walleye.....	0	0	0	0	0	1362	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.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Barnacle, Gooseneck...	0	0	0	0	0	0	0	0	0	0
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, Oc...	0	0	0	0	0	0	0	0	0	0
Crab, Hermit.....	0	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
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 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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:										
Sand Dollars.....	0	0	0	0	0	0	0	0	0	0
Sea Anemone.....	0	0	0	0	0	0	0	0	0	0
Sea Cucumber.....	0	0	0	0	0	0	0	0	0	0
Sea Stars.....	0	0	0	0	0	0	0	0	0	0
Sea urchins.....	0	0	0	0	0	0	0	0	0	0
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	4121662	0	2881	739	2607192	316151	15266	18685	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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:										
Marlin, Striped.....	0	0	0	0	0	0	0	0	0	0
Cabezon.....	0	1778	0	6940	113	0	0	0	0	0
Dace, speckled.....	0	0	0	0	0	0	0	0	0	0
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0
Shiner, redbside.....	0	0	0	0	0	0	0	0	0	0
Squawfish, Northern..	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	61	0	143	340260	20	1135	0	0	0
Flounder, arrowtooth.	349	45	0	0	525934	0	1090	0	0	0
Flounder, starry.....	0	0	0	0	210232	0	1	0	0	0
Greenling.....	0	6	0	160	0	0	0	0	0	0
Grenadier.....	0	0	0	0	20790	0	0	0	0	0
Hagfish.....	69952	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	0	1014086	0	1233	2590	0	643	0	0	0
Herring, Pacific.....	0	0	0	165	0	0	0	0	0	0
Lamprey.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	211	15120	0	54271	998809	41	11500	0	0	0
Mackeral.....	0	0	0	1	31	2425	0	0	0	0
Pollock, walleye.....	0	0	0	0	47	0	0	0	0	0
Ratfish.....	0	3	0	2	78	0	0	0	0	0
Pac. Oc. Perch.....	0	35	0	22	496664	900	30	0	0	0
Nominal POP.....	0	3341	0	576	991681	693	1613	0	0	0
Rockfish, widow.....	0	356	0	4009	1187676	1425341	2026	0	0	0
Rockfish, yellowtail.	0	4086	0	17740	1055447	37732	49193	0	0	0
Rkfish, Sebastolobus..	186	5008	0	0	3512649	0	284	0	0	0
Rockfish, other spp..	361	222058	0	443848	2394309	4169	206999	0	0	0
Sablefish.....	1328924	1542927	0	24829	2324466	17	7644	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

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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, coho.....	0	0	0	0	0	0	0	0	0	0
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	0	217611	0	118	0	0	0
Sculpin.....	0	0	0	0	1	0	0	0	0	0
Irish Lord, Brown....	0	0	0	0	0	0	0	0	0	0
Irish Lord, Red.....	0	0	0	2	0	0	0	0	0	0
Sculpin, Buffalo.....	0	0	0	5	0	0	0	0	0	0
Shad, American.....	0	0	0	0	0	0	0	0	0	0
Shark, blue.....	0	18	0	8	71	0	0	0	0	0
Shark, sixgill.....	0	0	0	0	150	0	0	0	0	0
Shark, soupfin.....	0	110	0	41	2664	0	314	0	0	0
Shark, spiny dogfish.	0	2	0	82	18453	0	25	0	0	0
Shark, other.....	0	0	0	0	31	0	0	0	0	0
Skates and rays.....	0	126	0	52	1833	0	0	0	0	0
Smelt.....	0	0	0	0	0	0	0	0	0	0
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	1	0	0	272	0	0	0	0	0
Sole, curlfin (turbot	0	0	0	0	773	0	0	0	0	0
Sole, Dover.....	30	71	0	0	5961088	0	12879	0	0	0
Sole, English.....	0	0	0	0	618993	0	461	0	0	0
Sole, flathead.....	0	0	0	0	1888	0	35	0	0	0
Sole, petrale.....	0	86	0	68	1688157	0	468	0	0	0
Sole, rex.....	0	0	0	0	303592	0	322	0	0	0
Sole, rock.....	0	1	0	0	1204	0	0	0	0	0
Sole, sand.....	0	2	0	0	473043	0	180	0	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	5573	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	13561	0	0	0	0	0
Sucker, bridgelip....	0	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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.....	0	0	0	1748	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	10285	1386473	0	0	0	0
Wolf-eel.....	0	45	0	6	317	0	2	0	0	0
Wrymouth.....	0	0	0	0	111	0	3	0	0	0
CRUSTACEANS:										
Barnacle, Gooseneck..	0	0	0	0	0	0	0	0	0	0
Crab, box.....	0	0	0	0	31	0	0	0	0	0
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, Oc..	0	0	0	0	0	0	0	0	0	0
Crab, Hermit.....	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	9	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, Coonstripe...	0	0	0	111	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	12069426	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 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET	SHRIMP POT
Octopus.....	0	282	0	31	4382	0	1307	0	0	0
Scallops, weathervane	0	0	0	0	253	0	0	0	0	0
Snails & Chitons.....	0	0	0	0	1	0	0	0	0	0
Squid.....	0	0	0	0	29	0	0	0	0	0
OTHER INVERTEBRATES:										
Sand Dollars.....	0	0	0	0	0	0	0	0	0	0
Sea Anemone.....	0	0	0	0	1	0	0	0	0	0
Sea Cucumber.....	0	0	0	0	1	0	0	0	0	0
Sea Stars.....	0	0	0	0	2	0	0	0	0	0
Sea urchins.....	0	0	0	0	1	0	0	0	0	0
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	1400013	2809654	0	556093	23386157	2857811	12367698	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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:										
Marlin, Striped.....	0	0	0	0	0	0	0	0	0	310
Cabezon.....	183	0	0	0	0	0	0	0	0	9435
Dace, speckled.....	0	0	0	0	0	0	0	148	0	148
Minnow, Fathead.....	0	0	0	0	0	0	0	1	0	1
Shiner, redbside.....	0	0	0	0	0	0	0	579	0	579
Squawfish, Northern...	0	0	0	0	0	0	0	72	0	72
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	341619
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	0	527421
Flounder, starry.....	53	0	0	0	0	0	0	0	0	210693
Greenling.....	0	0	0	0	0	0	0	0	0	166
Grenadier.....	0	0	0	0	0	0	0	0	0	20790
Hagfish.....	0	0	0	0	0	0	0	0	0	69952
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	1019534
Herring, Pacific.....	0	0	0	0	0	0	0	172191	0	172356
Lamprey.....	0	0	0	0	9017	0	0	0	0	9017
Lingcod.....	193	0	0	0	0	0	0	0	0	1083471
Mackeral.....	0	0	0	0	0	0	0	0	0	2588
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	47
Ratfish.....	0	0	0	0	0	0	0	0	0	83
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	497651
Nominal POP.....	0	0	0	0	0	0	0	0	0	997904
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	2619408
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	1164469
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	0	0	3518127
Rockfish, other spp...	668	0	0	0	0	0	0	0	0	3290535
Sablefish.....	0	0	0	0	0	0	0	0	0	5228811
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	2931416
Salmon, chum.....	0	0	0	0	0	0	0	0	0	560

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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, coho.....	0	0	0	0	0	0	0	0	0	0	2824314
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0	4078
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	217731
Sculpin.....	0	0	0	0	0	0	0	0	0	0	1
Irish Lord, Brown.....	4	0	0	0	0	0	0	0	0	0	4
Irish Lord, Red.....	0	0	0	0	0	0	0	0	0	0	2
Sculpin, Buffalo.....	0	0	0	0	0	0	0	0	0	0	5
Shad, American.....	0	0	0	0	0	0	0	0	0	0	30336
Shark, blue.....	0	0	0	0	0	0	0	0	0	0	97
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	0	150
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	3129
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	18562
Shark, other.....	0	0	0	0	0	0	0	0	0	0	31
Skates and rays.....	0	0	0	0	0	0	0	0	0	0	2026
Smelt.....	0	0	0	0	0	0	0	0	80	0	1134
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	56	0	56
Sole, butter.....	0	0	0	0	0	0	0	0	0	0	273
Sole, curlfin (turbot)	2	0	0	0	0	0	0	0	0	0	775
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0	5974068
Sole, English.....	0	0	0	0	0	0	0	0	0	0	619454
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0	1923
Sole, petrale.....	0	0	0	0	0	0	0	0	0	0	1688792
Sole, rex.....	0	0	0	0	0	0	0	0	0	0	303914
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	1205
Sole, sand.....	10	0	0	0	0	0	0	0	0	0	473235
Steelhead.....	0	0	0	0	0	0	0	0	0	0	71958
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	17542
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	219431
Sucker, bridgelip.....	0	0	0	0	0	0	0	0	139	0	139

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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
Surfperch.....	0	0	0	0	0	0	0	0	0	0	1748
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	975651
Walleye.....	0	0	0	0	0	0	0	0	0	0	1362
Whiting, Pac. (Hake)..	0	0	0	0	0	0	0	0	0	0	1396758
Wolf-eel.....	164	1	0	0	0	0	0	0	0	0	535
Wrymouth.....	0	0	0	0	0	0	0	0	0	0	114
CRUSTACEANS:											
Barnacle, Gooseneck...	0	0	0	0	0	19	0	0	0	0	19
Crab, box.....	6204	0	0	0	0	0	0	0	0	0	6235
Crab, Dungeness, Bay..	0	138176	0	0	0	0	0	0	0	0	138176
Crab, Dungeness, Oc...	7324132	26	0	0	0	0	0	0	0	0	7324158
Crab, Hermit.....	1	0	0	0	0	8	0	0	0	0	9
Crab, rock.....	0	4907	0	0	0	0	0	0	0	0	4907
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	0	9
Crayfish.....	0	0	0	0	0	0	0	0	90	149404	149494
Shrimp, brine.....	0	0	0	0	0	51300	0	0	0	0	51300
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	0	111
Shrimp, ghost.....	0	0	0	0	0	0	0	150903	0	0	150903
Shrimp, mud.....	0	0	0	0	0	0	0	91671	0	0	91671
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	12069426
MOLLUSKS:											
Clams, butter.....	0	0	557	242	0	923	0	0	0	0	1722
Clams, cockle.....	8	0	1483	0	0	26153	0	0	0	0	27644
Clams, gaper.....	0	0	682	119	0	2192	0	0	0	0	2993
Clams, littleneck....	0	0	540	0	0	15745	0	0	0	0	16285
Clams, softshell.....	0	0	8468	0	0	96	0	0	0	0	8564
Clams, razor.....	0	0	73112	0	0	0	0	0	0	0	73112
Mussels, ocean.....	0	0	0	0	0	5071	0	0	0	0	5071
Mussels, freshwater...	0	0	0	0	0	1447	0	0	0	0	1447

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1991. (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
Octopus.....	4342	22	0	0	0	0	0	0	0	0	10366
Scallops, weathervane	0	0	0	0	0	0	160	0	0	0	413
Snails & Chitons.....	0	0	0	0	0	1	0	0	0	0	2
Squid.....	0	0	0	0	0	0	0	0	0	0	29
OTHER INVERTEBRATES:											
Sand Dollars.....	1	0	0	0	0	0	0	0	0	0	1
Sea Anemone.....	0	0	0	0	0	0	0	0	0	0	1
Sea Cucumber.....	0	0	0	0	0	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	0	0	0	0	0	0	2
Sea urchins.....	0	0	0	0	0	0	0	0	0	0	1
Sea urchins, red.....	0	0	0	0	0	3455874	0	0	0	0	3455874
TOTAL		7335965	143132	84842	361	3567846	160	242574	173356		62157642

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Marlin, Striped.....	0	0	0	0	0	0	0	73	0	0	0	0	73
Cabezon.....	0	0	0	0	0	0	0	291	549	0	0	0	840
Flounder, arrowtooth..	0	0	0	0	0	8	0	0	0	0	0	0	8
Halibut, Pacific.....	0	0	0	0	0	22	398	0	0	0	0	0	420
Lingcod.....	0	0	0	0	684	1280	1449	983	1365	600	0	0	6361
Mackeral.....	0	0	0	0	0	174	397	111	85	0	0	0	767
Rockfish, yellowtail..	0	0	0	0	160	28	0	0	359	310	0	0	857
Rockfish, other spp...	0	0	0	0	4997	3841	3048	3785	18193	11896	0	0	45760
Sablefish.....	0	0	0	0	7	0	0	0	0	0	0	0	7
Salmon, chinook.....	0	0	0	0	42108	145902	124802	154585	197186	134747	0	0	799330
Salmon, chum.....	0	0	0	0	0	20	33	0	0	32	0	0	85
Salmon, coho.....	0	0	0	0	0	436843	1029533	98514	57408	0	0	0	1622298
Salmon, pink.....	0	0	0	0	41	1278	5834	1571	14	0	0	0	8738
Sanddab, Pacific.....	0	0	0	0	5	0	0	0	0	0	0	0	5
Skates and rays.....	0	0	0	0	0	47	0	0	0	0	0	0	47
Sole, petrale.....	0	0	0	0	0	0	0	12	4	0	0	0	16
Tuna, albacore.....	0	0	0	0	0	0	0	720626	429969	100825	7398	0	1258818
TOTAL	0	0	0	0	48002	589443	1165494	980551	705132	248410	7398	0	3744430
<u>COASTAL GILLNET</u>													
FISH:													
Shad, American.....	0	0	0	0	3538	13414	0	0	0	0	0	0	16952
TOTAL	0	0	0	0	3538	13414	0	0	0	0	0	0	16952
<u>COASTAL SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	79	0	0	79
Salmon, coho.....	0	0	0	0	0	0	0	0	0	444	0	0	444

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shad, American.....	0	0	0	0	0	3274	59	0	0	0	0	0	3333
TOTAL	0	0	0	0	0	3274	59	0	0	523	0	0	3856
<u>COL. R. GILLNET</u>													
FISH:													
Flounder, starry.....	0	1136	74	0	0	0	0	16	48	12	0	0	1286
Rockfish, other spp...	0	0	0	0	0	0	0	0	0	4	0	0	4
Salmon, chinook.....	0	151565	7003	0	0	0	0	93969	318489	106790	1321	0	679137
Salmon, chum.....	0	0	0	0	0	0	0	0	8	1012	193	0	1213
Salmon, coho.....	0	0	0	0	0	0	0	81350	830613	831244	32848	0	1776055
Salmon, pink.....	0	0	0	0	0	0	0	0	69	19	0	0	88
Shad, American.....	0	0	0	0	36176	84633	0	0	0	0	0	0	120809
Smelt.....	283	1297	0	0	0	0	0	0	0	0	0	0	1580
Sturgeon, green.....	0	72	0	0	0	0	0	90	16236	3222	0	0	19620
Sturgeon, white.....	0	16330	2123	0	0	0	0	13767	15372	18907	1825	0	68324
TOTAL	283	170400	9200	0	36176	84633	0	189192	1180835	961210	36187	0	2668116
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	63	0	0	0	0	14796	263140	26433	0	0	304432
Salmon, coho.....	0	0	0	0	0	0	0	30	13359	4416	0	0	17805
Steelhead.....	0	2204	3047	0	0	0	0	22684	55461	16920	0	0	100316
Sturgeon, white.....	0	12874	14742	0	0	0	0	0	0	0	0	0	27616
Walleye.....	0	354	589	0	0	0	0	134	477	252	0	0	1806
TOTAL	0	15432	18441	0	0	0	0	37644	332437	48021	0	0	451975
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	539	0	0	4271	1012	0	0	0	0	0	0	0	5822
TOTAL	539	0	0	4271	1012	0	0	0	0	0	0	0	5822

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	493	11934	297	0	0	12724
Salmon, coho.....	0	0	0	0	0	0	0	0	3935	148	0	0	4083
Steelhead.....	0	77	0	0	0	0	0	9314	7652	205	0	0	17248
TOTAL	0	77	0	0	0	0	0	9807	23521	650	0	0	34055
<u>FISH POT</u>													
FISH:													
Flounder, arrowtooth..	0	0	18	1395	685	0	0	0	0	0	0	0	2098
Hagfish.....	48210	17790	57715	66125	0	18852	5016	0	7762	0	0	53065	274535
Lingcod.....	0	0	114	246	108	30	0	0	0	0	0	0	498
Rkfsh, Sebastolobus...	0	0	4	16	375	0	0	0	0	0	0	0	395
Rockfish, other spp...	0	0	4	416	495	107	0	0	0	0	0	0	1022
Sablefish.....	9109	42828	38823	831016	628309	12759	0	0	0	0	0	1465	1564309
Sole, Dover.....	0	0	0	55	46	0	0	0	0	0	0	0	101
TOTAL	57319	60618	96678	899269	630018	31748	5016	0	7762	0	0	54530	1842958
<u>BOTTOM LONGLINE</u>													
FISH:													
Cabazon.....	29	19	0	0	130	0	0	2514	62	116	100	107	3077
Cod, Pacific.....	0	0	0	35	7	0	38	79	0	0	0	0	159
Flounder, arrowtooth..	0	0	29	94	64	120	33	0	0	0	0	0	340
Greenling.....	0	0	0	0	0	0	0	0	8	9	0	0	17
Halibut, Pacific.....	0	0	0	0	29009	0	114534	0	398575	0	0	0	542118
Lingcod.....	1022	8053	1772	689	1582	2664	1182	3195	4976	1542	1585	1835	30097
Ratfish.....	0	0	0	0	0	5	0	0	0	0	0	0	5
Pac. Oc. Perch.....	22	0	0	0	0	80	0	0	0	0	0	0	102
Nominal POP.....	1	0	299	19	2908	2454	1471	1439	264	56	0	0	8911
Rockfish, widow.....	0	0	60	2	0	0	130	40	764	0	0	0	996
Rockfish, yellowtail..	306	0	350	1960	661	726	260	844	1590	1575	0	0	8272

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rkfish, Sebastolobus...	71	36	53	2170	424	37	1051	53	4094	16	15	16	8036
Rockfish, other spp...	4420	22328	10056	48818	62717	82384	32846	72676	42200	13869	4901	5579	402794
Sablefish.....	6205	3983	57565	860210	608372	25679	301	0	56823	17204	13387	2046	1651775
Shark, blue.....	0	0	0	0	0	0	18	0	0	0	0	0	18
Shark, soupfin.....	0	22	0	0	0	23	42	18	0	0	55	0	160
Shark, spiny dogfish..	0	0	0	0	0	17	0	0	0	0	0	0	17
Skates and rays.....	0	0	43	43	92	171	0	0	0	0	0	0	349
Sole, butter.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Sole, Dover.....	0	0	0	38	156	11	9	0	0	0	0	0	214
Sole, petrale.....	0	0	0	0	26	15	59	0	0	0	0	0	100
Sole, rock.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Sole, sand.....	0	0	0	0	0	0	0	0	0	2	0	0	2
Wolf-eel.....	0	0	0	0	0	0	0	83	0	0	7	9	99
MOLLUSKS:													
Octopus.....	0	14	0	22	65	107	0	143	16	0	0	45	412
TOTAL	12076	34455	70227	914100	706213	114497	151974	81087	509372	34389	20050	9637	2658077
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabazon.....	285	832	658	1384	599	981	760	602	3958	3394	210	139	13802
Cod, Pacific.....	0	0	123	0	162	0	0	0	0	0	0	0	285
Greenling.....	0	0	0	0	0	0	16	0	11	5	0	0	32
Halibut, Pacific.....	0	0	0	0	0	0	528	0	47	0	0	0	575
Herring, Pacific.....	0	1406	100	106	0	0	0	636	12	0	0	0	2260
Lingcod.....	5797	16277	10393	18055	6210	5696	5377	7161	7532	7957	4904	1497	96856
Mackeral.....	0	0	0	0	0	0	0	13	0	0	0	0	13
Ratfish.....	0	0	0	0	0	0	0	5	3	2	0	0	10
Pac. Oc. Perch.....	30	0	23	0	0	0	0	0	0	0	0	0	53
Nominal POP.....	91	540	154	78	13	1	52	526	348	0	0	0	1803
Rockfish, widow.....	3190	703	249	1275	310	0	0	400	1241	351	0	2812	10531

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, yellowtail..	3181	2470	4459	7466	7259	879	0	1759	6098	4418	3072	4883	45944
Rockfish, other spp...	123702	86337	113189	160695	98448	55976	30800	107313	76931	42803	29336	34871	960401
Sablefish.....	0	387	56	13322	12228	367	0	0	0	530	0	0	26890
Irish Lord, Red.....	0	5	0	0	0	0	0	0	0	0	0	0	5
Sculpin, Buffalo.....	2	0	0	0	0	0	0	0	0	0	2	0	4
Shark, blue.....	0	0	0	0	0	0	8	0	0	0	0	0	8
Shark, soupfin.....	0	0	27	0	0	0	0	0	0	0	0	0	27
Shark, spiny dogfish..	0	0	62	0	15	0	0	0	36	0	0	18	131
Skates and rays.....	0	18	91	12	0	0	0	14	0	0	0	0	135
Sole, petrale.....	0	0	0	0	1	0	0	115	0	4	0	0	120
Surfperch.....	1	188	64	973	0	20	413	127	233	15	167	0	2201
Wolf-eel.....	0	5	7	0	0	0	0	10	20	2	0	0	44
MOLLUSKS:													
Octopus.....	0	0	0	0	65	0	10	0	0	0	0	0	75
TOTAL	136279	109168	129655	203366	125310	63920	37964	118681	96470	59481	37691	44220	1162205
<u>GROUND FISH TRAWL</u>													
FISH:													
Cabazon.....	0	0	0	0	19	31	184	10	16	47	0	0	307
Cod, Pacific.....	17678	16608	36652	57261	112184	286128	197159	217068	93300	67957	13388	14423	1129806
Flounder, arrowtooth..	235869	132448	168432	251873	625998	987312	474726	701248	471826	301587	88158	152707	4592184
Flounder, starry.....	66	1162	38481	4797	158004	81666	154249	141666	94563	9632	32556	212	717054
Greenling.....	0	0	0	0	0	0	0	0	0	1	0	0	1
Grenadier.....	9102	6511	13518	10308	17366	9841	26470	21736	51486	33858	32329	21499	254024
Halibut, Pacific.....	439	102	325	0	38	64	31	23	0	28	0	0	1050
Lingcod.....	260684	103789	345906	683595	264166	298259	263520	222987	257493	211235	87919	107441	3106994
Mackerel.....	0	0	0	0	0	0	1	309	0	0	0	0	310
Pollock, walleye.....	0	0	0	85	31	0	0	0	0	224	0	0	340
Ratfish.....	0	0	0	0	10	51	37	41	2	11	0	0	152
Pac. Oc. Perch.....	157905	125976	127396	119810	137276	160795	147554	169202	181656	164934	66383	91447	1650334

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Nominal POP.....	509669	335397	260561	166996	269574	459777	279091	246304	156135	253434	183055	290197	3410190
Rockfish, widow.....	657139	633230	613713	171965	143069	271409	288355	512883	679268	169821	78705	121214	4340771
Rockfish, yellowtail..	400076	381307	423295	376822	267859	283366	218203	252642	302870	227088	168134	208878	3510540
Rkfish, Sebastolobus...	615803	609951	539954	393132	575609	503079	482781	554118	753051	958946	845775	876773	7708972
Rockfish, other spp...	468606	358315	444451	640079	1166390	866840	871735	728319	978489	797671	290860	325712	7937467
Sablefish.....	422507	362691	441720	440104	525341	404796	382501	416704	500872	593813	399103	508333	5398485
Sanddab, Pacific.....	39527	54147	113404	50710	72819	118159	86651	18720	47286	63612	18133	7125	690293
Sculpin.....	0	0	0	0	0	8	0	0	0	0	0	0	8
Shark, blue.....	0	0	0	0	0	0	0	71	0	0	0	0	71
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	300	0	0	300
Shark, soupfin.....	530	1101	60	30	136	35	310	412	1406	0	15	158	4193
Shark, spiny dogfish..	9462	22128	82867	23391	3557	3303	108	52	89	9	81	0	145047
Shark, other.....	0	0	30	0	0	0	0	0	10	0	0	0	40
Skates and rays.....	371	331	882	999	565	577	154	41	681	898	156	166	5821
Sole, butter.....	0	0	0	507	0	300	0	0	2	2	3	0	814
Sole, curlfin (turbot)	0	0	64	35	6	343	419	1199	276	49	5	106	2502
Sole, Dover.....	2072006	1588789	2351876	2235526	1816190	1301603	1292783	1289327	1487917	1634480	934963	1381678	19387138
Sole, English.....	77923	137561	116726	96226	163179	252338	251057	194013	226162	233284	65631	49433	1863533
Sole, flathead.....	0	0	380	0	0	3147	404	0	195	2047	0	0	6173
Sole, petrale.....	696885	237150	99881	71870	64858	96298	86054	52993	55008	71106	86376	434721	2053200
Sole, rex.....	78874	109726	56607	47324	98603	155461	95816	69209	84912	97108	25116	28544	947300
Sole, rock.....	0	0	0	0	2445	548	128	255	140	13	180	200	3909
Sole, sand.....	399	220	7257	13119	53866	157126	103081	101592	120964	56442	18602	1085	633753
Sturgeon, green.....	23	0	820	146	2216	2399	379	0	303	836	588	165	7875
Sturgeon, white.....	0	0	70	188	1757	5429	377	325	472	1142	80	0	9840
Whiting, Pac. (Hake)..	0	0	0	19783	36347	87141	280	6510	0	0	0	0	150061
Wolf-eel.....	0	7	0	8	221	187	285	340	181	53	13	0	1295
Wrymouth.....	0	0	0	0	68	0	44	96	95	42	0	0	345
CRUSTACEANS:													
Crab, box.....	0	0	0	0	102	0	9	0	2	4	2	0	119

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Crab, Tanner.....	0	0	0	0	8	1	0	0	0	0	0	0	9
MOLLUSKS:													
Octopus.....	525	379	246	86	374	804	947	949	1021	468	220	225	6244
Scallops, weathervane	0	46	0	0	0	0	0	456	165	0	0	0	667
Snails & Chitons.....	0	0	0	0	3	0	0	0	0	0	0	0	3
Squid.....	0	0	0	0	0	0	0	0	95	0	0	0	95
OTHER INVERTEBRATES:													
Sea Anemone.....	0	0	0	0	32	0	0	0	0	0	0	0	32
Sea Cucumber.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	30	25	0	0	0	0	0	0	55
Sea urchins.....	0	0	0	0	10	0	0	0	0	0	0	0	10
TOTAL	6732068	5219072	6285574	5876775	6580326	6798646	5705884	5921820	6548409	5952182	3436529	4622442	69679727
<u>MIDWATER TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	50	0	0	0	0	50
Lingcod.....	0	0	0	42	0	0	83	0	0	0	0	0	125
Mackerel.....	0	0	0	0	0	0	0	0	30000	0	12500	0	42500
Pac. Oc. Perch.....	0	3000	0	0	0	0	0	0	0	0	0	0	3000
Nominal POP.....	0	0	0	0	0	0	1383	840	275	0	0	0	2498
Rockfish, widow.....	650722	546176	393990	231777	314074	456325	676884	362465	850717	390359	64792	366186	5304467
Rockfish, yellowtail..	11643	11000	4456	2309	11825	27881	30468	22674	2450	1900	0	0	126606
Rockfish, other spp...	415	5606	217	182	1288	0	3914	2233	70	0	0	0	13925
Sablefish.....	0	12	0	0	0	30	0	0	0	0	0	0	42
Whiting, Pac. (Hake)..	0	0	0	399662	2078442	3498437	3324492	3930360	4451719	6671901	4483194	120453	28958660
TOTAL	662780	565794	398663	633972	2405629	3982673	4037224	4318622	5335231	7064160	4560486	486639	34451873
<u>SHRIMP TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	458	412	524	143	160	736	1350	0	0	3783
Flounder, arrowtooth..	0	0	0	180	867	3110	193	726	2127	3024	0	0	10227

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Flounder, starry.....	0	0	0	0	0	14	0	0	0	0	0	0	14
Halibut, Pacific.....	0	0	0	30	0	201	52	0	0	0	0	0	283
Lingcod.....	0	0	0	5545	4596	5777	5381	9532	3777	1446	0	0	36054
Pac. Oc. Perch.....	0	0	0	0	0	0	80	0	0	40	0	0	120
Nominal POP.....	0	0	0	666	2641	10	383	371	1324	60	0	0	5455
Rockfish, widow.....	0	0	0	0	826	4484	47	0	268	1731	0	0	7356
Rockfish, yellowtail..	0	0	0	43407	50719	15239	6961	8939	29460	9292	0	0	164017
Rkfsh, Sebastolobus...	0	0	0	13	6	42	306	44	111	199	0	0	721
Rockfish, other spp...	0	0	0	128737	157027	93212	58782	71713	97168	83183	0	0	689822
Sablefish.....	0	0	0	725	126	7010	3881	3583	6889	4232	0	0	26446
Sanddab, Pacific.....	0	0	0	342	7	0	0	0	0	28	0	0	377
Shark, soupfin.....	0	0	0	52	0	0	16	260	11	0	0	0	339
Shark, spiny dogfish..	0	0	0	172	23	0	0	0	15	0	0	0	210
Sole, Dover.....	0	0	0	672	2081	7686	6817	5612	11837	6819	0	0	41524
Sole, English.....	0	0	0	112	88	229	150	1	317	505	0	0	1402
Sole, flathead.....	0	0	0	0	21	0	0	0	0	94	0	0	115
Sole, petrale.....	0	0	0	55	52	134	12	47	112	181	0	0	593
Sole, rex.....	0	0	0	30	75	177	0	0	91	635	0	0	1008
Sole, sand.....	0	0	0	0	0	13	0	0	0	494	0	0	507
Wolf-eel.....	0	0	0	0	0	6	0	0	0	0	0	0	6
Wrymouth.....	0	0	0	0	0	0	0	0	10	0	0	0	10
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	3168783	3446228	4056519	2114950	4233005	2886617	1805311	0	0	21711413
MOLLUSKS:													
Octopus.....	0	0	0	390	22	94	46	585	327	105	0	0	1569
TOTAL	0	0	0	3350369	3665817	4194481	2198200	4334578	3041197	1918729	0	0	22703371

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>SHRIMP POT</u>													
CRUSTACEANS:													
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	44	0	0	0	44
TOTAL	0	0	0	0	0	0	0	0	44	0	0	0	44
<u>CRAB POT</u>													
FISH:													
Cabazon.....	58	82	30	0	0	110	33	0	0	0	0	0	313
Flounder, starry.....	3	1	118	10	0	0	0	0	0	0	0	0	132
Lingcod.....	115	26	59	19	65	71	0	0	0	0	0	20	375
Rockfish, other spp....	151	180	181	491	132	106	85	29	0	0	0	78	1433
Irish Lord, Brown.....	0	8	0	0	0	0	0	0	0	0	0	0	8
Irish Lord, Red.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Sole, curlfin (turbot)	0	5	0	0	0	0	0	0	0	0	0	0	5
Sole, sand.....	0	0	12	0	0	0	0	0	0	0	0	0	12
Wolf-eel.....	0	193	95	25	172	0	30	0	0	0	0	0	515
CRUSTACEANS:													
Crab, box.....	119	2269	0	7953	0	0	0	0	0	0	0	0	10341
Crab, Dungeness, Oc....	1314947	364713	232815	158893	172531	184387	234626	136768	0	0	0	2038324	4838004
Crab, Hermit.....	0	0	0	0	0	0	2	0	0	0	0	0	2
MOLLUSKS:													
Clams, cockle.....	7	0	0	8	0	0	0	0	0	0	0	0	15
Octopus.....	3176	1302	1001	461	289	40	89	55	0	0	0	101	6514
OTHER INVERTEBRATES:													
Sand Dollars.....	0	0	0	0	0	0	0	3	0	0	0	0	3
TOTAL	1318576	368779	234311	167860	173189	184714	234865	136861	0	0	0	2038523	4857678

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRAB RING</u>													
FISH:													
Wolf-eel.....	0	4	0	0	0	0	0	0	0	0	0	0	4
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	23828	37878	21594	2254	85554
Crab, Dungeness, Oc...	0	0	13	0	0	0	0	0	0	0	0	0	13
Crab, rock.....	182	253	127	519	1009	1504	0	321	163	658	429	137	5302
MOLLUSKS:													
Octopus.....	0	10	0	0	0	0	0	0	20	0	0	0	30
TOTAL	182	267	140	519	1009	1504	0	321	24011	38536	22023	2391	90903
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, butter.....	550	65	30	160	50	0	0	0	0	0	0	0	855
Clams, cockle.....	30	0	110	570	1001	1135	502	100	600	0	0	730	4778
Clams, gaper.....	887	0	0	0	0	0	50	60	30	25	0	0	1052
Clams, littleneck.....	0	0	0	60	30	0	75	0	119	0	0	0	284
Clams, softshell.....	224	531	607	980	1623	1241	532	1009	799	529	152	317	8544
Clams, razor.....	554	296	942	1813	2639	2107	1135	0	3818	12008	2585	683	28580
TOTAL	2245	892	1689	3583	5343	4483	2294	1169	5366	12562	2737	1730	44093
<u>CLAM PUMP OR JET</u>													
MOLLUSKS:													
Clams, butter.....	483	0	0	0	0	0	0	0	0	0	0	0	483
Clams, gaper.....	183	0	0	0	0	0	0	0	0	0	0	0	183
TOTAL	666	0	0	0	0	0	0	0	0	0	0	0	666

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>HAND DEVICE</u>													
FISH:													
Lamprey.....	0	0	0	0	0	7299	23009	1913	0	0	0	0	32221
CRUSTACEANS:													
Barnacle, Gooseneck...	0	0	0	0	10	15	0	0	0	0	0	0	25
Crab, Hermit.....	0	0	0	0	0	0	0	15	0	0	0	0	15
Shrimp, brine.....	0	0	0	0	2900	9600	9900	6100	0	0	0	0	28500
MOLLUSKS:													
Clams, butter.....	350	0	0	0	20	45	403	438	262	265	425	0	2208
Clams, cockle.....	3900	5052	8049	5633	8861	7377	4631	1950	1310	3389	965	219	51336
Clams, gaper.....	0	0	0	0	0	0	846	1299	1774	488	1690	1328	7425
Clams, littleneck.....	0	0	73	43	387	649	1484	2462	1566	2488	10	0	9162
Clams, softshell.....	0	0	0	0	0	0	48	0	0	0	0	0	48
Mussels, ocean.....	610	8288	5423	4532	1180	770	910	918	225	790	0	8285	31931
Mussels, freshwater...	0	0	0	0	0	0	0	0	4991	0	0	0	4991
Snails & Chitons.....	0	0	0	0	0	0	0	11	0	0	0	0	11
OTHER INVERTEBRATES:													
Sea urchins, red.....	292866	544584	489087	566156	505805	401038	624870	379625	271755	260601	179412	221073	4736872
TOTAL	297726	557924	502632	576364	519163	426793	666101	394731	281883	268021	182502	230905	4904745
<u>SCALLOP DREDGE</u>													
MOLLUSKS:													
Scallops, weathervane	0	0	0	354	0	0	0	0	0	0	0	0	354
TOTAL	0	0	0	354	0	0	0	0	0	0	0	0	354
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	6246	4893	5487	8016	14778	10682	8393	9434	8834	9999	6606	5959	99327
Shrimp, mud.....	7201	5649	7439	10271	6450	2405	1624	996	1834	3225	4318	4610	56022

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1991. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TOTAL	13447	10542	12926	18287	21228	13087	10017	10430	10668	13224	10924	10569	155349
<u>BAITFISH NET</u>													
FISH:													
Dace, speckled.....	0	0	0	14	20	28	12	0	0	0	0	0	74
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0	2	5	7
Shiner, redbside.....	0	0	0	10	30	116	37	0	0	0	0	0	193
Squawfish, Northern...	0	0	0	6	9	16	2	3	0	0	0	0	36
Herring, Pacific.....	0	422234	0	0	0	0	3500	2500	0	0	0	0	428234
Smelt.....	0	0	0	0	0	0	400	0	0	0	0	0	400
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	188	0	0	0	188
Sucker, bridgelip.....	0	0	0	5	26	80	20	8	0	0	0	0	139
CRUSTACEANS:													
Crayfish.....	0	0	0	0	0	13	62	15	0	0	0	0	90
TOTAL	0	422234	0	35	85	253	4033	2526	188	0	2	5	429361
<u>CRAYFISH TRAP</u>													
CRUSTACEANS:													
Crayfish.....	0	0	0	2403	4214	24256	41947	22985	20389	7750	0	0	123944
TOTAL	0	0	0	2403	4214	24256	41947	22985	20389	7750	0	0	123944
TOTAL	9234186	7535654	7760136	12651527	14926272	16531819	14261072	16561005	18122915	16627848	8316529	7501591	150030554

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, 1991

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:															
Marlin, Striped.....	0	0	0	0	0	0	0	310	0	0	0	0	0	0	310
Cabezon.....	0	0	70	0	3541	5713	0	0	53	0	38	0	20	0	9435
Dace, speckled.....	0	0	0	0	0	0	0	0	0	0	0	0	0	148	148
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Shiner, redside.....	0	0	0	0	0	0	0	0	0	0	0	0	0	579	579
Squawfish, Northern...	0	0	0	0	0	0	0	0	0	0	0	0	0	72	72
Cod, Pacific.....	0	292255	19691	0	0	27684	0	0	1837	0	0	0	152	0	341619
Flounder, arrowtooth..	0	444268	23269	0	0	24408	0	0	27807	0	17	0	7652	0	527421
Flounder, starry.....	407	187624	1838	0	0	10357	0	0	10467	0	0	0	0	0	210693
Greenling.....	0	0	0	0	0	160	0	0	0	0	0	0	6	0	166
Grenadier.....	0	46	0	0	0	35	0	0	18393	0	0	0	2316	0	20790
Hagfish.....	0	3485	0	0	0	0	0	0	24832	0	41635	0	0	0	69952
Halibut, Pacific.....	0	779873	18948	591	4180	158350	4712	14109	12545	0	23256	0	2970	0	1019534
Herring, Pacific.....	0	0	0	0	0	169061	0	3295	0	0	0	0	0	0	172356
Lamprey.....	0	0	0	0	0	0	0	0	0	0	0	0	0	9017	9017
Lingcod.....	0	664555	55760	7605	5959	147427	149	1505	155358	95	19729	7029	18300	0	1083471
Mackerel.....	0	0	131	11	0	2425	0	0	6	0	0	0	15	0	2588
Pollock, walleye.....	0	22	0	0	0	0	0	0	25	0	0	0	0	0	47
Ratfish.....	0	0	0	0	0	83	0	0	0	0	0	0	0	0	83
Pac. Oc. Perch.....	0	381113	25747	0	0	82705	0	24	8062	0	0	0	0	0	497651
Nominal POP.....	0	55471	55092	0	0	638797	0	0	237956	0	3	0	10585	0	997904
Rockfish, widow.....	0	1041482	119047	59	34	991855	0	210	447847	0	1339	16	17519	0	2619408
Rockfish, yellowtail..	0	700402	66120	0	0	229189	2172	81	156720	0	3504	0	6281	0	1164469
Rkfish, Sebastolobus...	0	606779	32530	0	0	997362	0	0	1661904	0	0	0	219552	0	3518127
Rockfish, other spp...	1	1138709	93651	21416	2809	752242	7823	5439	917246	975	228727	5322	116171	4	3290535
Sablefish.....	0	1443935	87723	0	0	1290234	188539	55206	1456122	2990	312058	33092	358912	0	5228811
Salmon, chinook.....	1211131	19728	236851	43511	23770	631064	138267	143247	404765	29330	32115	391	14727	2519	2931416
Salmon, chum.....	478	0	0	25	0	0	16	15	26	0	0	0	0	0	560

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1991(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.....	1425836	53623	277555	146424	18834	391004	82014	174631	216341	5006	239	2578	5774	24455	2824314
Salmon, pink.....	23	101	977	740	97	1314	133	115	499	30	10	0	0	39	4078
Sanddab, Pacific.....	0	92019	2747	0	0	18427	2	0	104214	0	0	0	322	0	217731
Sculpin.....	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Irish Lord, Brown.....	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Irish Lord, Red.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Sculpin, Buffalo.....	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Shad, American.....	27205	0	0	0	0	0	250	2881	0	0	0	0	0	0	30336
Shark, blue.....	0	0	71	0	0	26	0	0	0	0	0	0	0	0	97
Shark, sixgill.....	0	0	0	0	0	0	0	0	150	0	0	0	0	0	150
Shark, soupfin.....	0	2120	0	0	41	227	0	0	299	0	15	0	427	0	3129
Shark, spiny dogfish..	0	16870	0	0	22	1661	0	0	9	0	0	0	0	0	18562
Shark, other.....	0	23	0	0	0	8	0	0	0	0	0	0	0	0	31
Skates and rays.....	0	214	0	0	36	1755	0	0	21	0	0	0	0	0	2026
Smelt.....	1054	0	0	0	0	0	0	80	0	0	0	0	0	0	1134
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	0	0	0	0	56	0	56
Sole, butter.....	0	169	100	0	0	3	0	0	0	0	0	0	1	0	273
Sole, curlfin (turbot)	0	131	0	0	0	25	0	0	619	0	0	0	0	0	775
Sole, Dover.....	0	2373380	328241	0	0	836435	2	64	2200679	0	67	0	235200	0	5974068
Sole, English.....	0	344358	13408	0	0	122029	0	0	134838	0	3	0	4818	0	619454
Sole, flathead.....	0	1857	66	0	0	0	0	0	0	0	0	0	0	0	1923
Sole, petrale.....	0	635454	105465	0	0	225973	0	0	618439	0	0	0	103461	0	1688792
Sole, rex.....	0	239563	7960	0	0	29092	0	0	13419	0	0	0	13880	0	303914
Sole, rock.....	0	18	51	0	0	781	0	0	355	0	0	0	0	0	1205
Sole, sand.....	0	173909	21201	0	0	151320	0	150	126591	0	0	0	64	0	473235
Steelhead.....	71958	0	0	0	0	0	0	0	0	0	0	0	0	0	71958
Sturgeon, green.....	11969	2253	54	0	0	1577	0	0	1689	0	0	0	0	0	17542
Sturgeon, white.....	205870	4063	0	0	0	131	0	0	9367	0	0	0	0	0	219431
Sucker, bridgelip.....	0	0	0	0	0	0	0	0	0	0	0	0	0	139	139

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1991(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
Surfperch.....	0	0	0	0	0	407	0	0	0	0	0	0	1341	0	1748
Tuna, albacore.....	0	205921	0	0	3552	508920	1988	38692	166572	0	0	0	50006	0	975651
Walleye.....	1362	0	0	0	0	0	0	0	0	0	0	0	0	0	1362
Whiting, Pac. (Hake)..	0	165899	0	0	0	1157577	0	0	73282	0	0	0	0	0	1396758
Wolf-eel.....	0	108	127	0	90	163	0	0	45	0	2	0	0	0	535
Wrymouth.....	0	107	0	0	0	5	0	0	2	0	0	0	0	0	114
CRUSTACEANS:															
Barnacle, Gooseneck...	0	0	0	0	19	0	0	0	0	0	0	0	0	0	19
Crab, box.....	0	0	0	0	0	6235	0	0	0	0	0	0	0	0	6235
Crab, Dungeness, Bay..	0	0	41	0	0	4485	12	26887	75807	0	0	0	0	30944	138176
Crab, Dungeness, Oc...	0	2142352	408725	2034	69165	2098918	272098	608814	934098	49729	204184	0	534041	0	7324158
Crab, Hermit.....	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Crab, rock.....	0	0	0	0	0	4405	0	0	502	0	0	0	0	0	4907
Crab, Tanner.....	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	149494	149494
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	51300	51300
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	0	0	0	0	111	0	111
Shrimp, ghost.....	0	0	4737	6800	0	3369	42	0	6845	213	0	0	0	128897	150903
Shrimp, mud.....	0	0	2724	0	0	217	0	0	239	0	0	0	0	88491	91671
Shrimp, pink.....	0	3297342	1075233	0	0	2844401	0	27323	2591746	37690	103674	0	2092017	0	12069426
MOLLUSKS:															
Clams, butter.....	0	0	233	0	0	1	0	0	1018	0	0	0	0	470	1722
Clams, cockle.....	0	0	23150	0	0	6	0	8	319	0	0	0	0	4161	27644
Clams, gaper.....	0	0	855	0	0	363	0	0	1775	0	0	0	0	0	2993
Clams, littleneck.....	0	0	5855	0	0	0	0	1	367	0	0	0	0	10062	16285
Clams, softshell.....	0	0	0	0	0	0	120	8274	50	120	0	0	0	0	8564
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	73112	73112
Mussels, ocean.....	0	0	0	0	90	0	283	4075	54	0	0	0	0	569	5071
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0	0	0	0	1447	1447

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1991(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
Octopus.....	0	2012	130	0	37	1935	0	0	422	0	803	0	5027	0	10366
Scallops, weathervane	0	0	0	0	0	0	0	0	413	0	0	0	0	0	413
Snails & Chitons.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Squid.....	0	0	0	0	0	29	0	0	0	0	0	0	0	0	29
OTHER INVERTEBRATES:															
Sand Dollars.....	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Sea Anemone.....	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Sea Cucumber.....	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Sea urchins.....	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Sea urchins, red.....	0	0	0	2956	240258	0	0	0	158623	0	2107541	744671	201825	0	3455874
TOTAL	2957294	17513613	3116174	232172	372534	14572413	698622	1115436	12981679	126178	3078959	793099	4023549	575920	62157642

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, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Marlin, Striped.....	0	0	0	0	0	0	0	310	0	0	0	0	310
Cabezon.....	207	454	348	641	365	638	492	1963	2426	1725	151	25	9435
Dace, speckled.....	0	0	0	28	40	56	24	0	0	0	0	0	148
Minnow, Fathead.....	0	0	0	0	0	0	0	0	0	0	0	1	1
Shiner, reidside.....	0	0	0	30	90	348	111	0	0	0	0	0	579
Squawfish, Northern...	0	0	0	12	18	32	4	6	0	0	0	0	72
Cod, Pacific.....	4946	5036	11411	17342	33935	85993	59257	65226	28220	20847	4524	4882	341619
Flounder, arrowtooth..	26977	15186	19774	29747	74589	112333	52999	81636	51825	35194	10453	16708	527421
Flounder, starry.....	21	716	11989	1436	45457	24247	42315	42519	28286	2904	10733	70	210693
Greenling.....	0	0	0	0	0	0	80	0	58	28	0	0	166
Grenadier.....	1062	745	1325	1031	1785	984	2197	1863	3657	2125	2259	1757	20790
Hagfish.....	14463	4449	14433	16539	0	4715	1255	0	3485	0	0	10613	69952
Halibut, Pacific.....	1106	267	849	65	65239	664	266123	40	685133	48	0	0	1019534
Herring, Pacific.....	0	169039	10	11	0	0	1922	1373	1	0	0	0	172356
Lamprey.....	0	0	0	0	0	1958	6488	571	0	0	0	0	9017
Lingcod.....	83156	46010	117354	232179	90794	104263	91058	81006	91809	74184	33366	38292	1083471
Mackerel.....	0	0	0	0	0	33	52	55	1823	0	625	0	2588
Pollock, walleye.....	0	0	0	21	4	0	0	0	0	22	0	0	47
Ratfish.....	0	0	0	0	5	29	19	22	2	6	0	0	83
Pac. Oc. Perch.....	45596	38657	38232	35893	41195	48270	44294	50770	54507	49748	21194	29295	497651
Nominal POP.....	143433	97884	75735	47604	79772	134021	82150	73706	44980	74193	55819	88607	997904
Rockfish, widow.....	359385	321464	274195	113387	125038	198680	261812	238779	399812	142418	41553	142885	2619408
Rockfish, yellowtail..	121258	117922	129782	130584	101977	98173	76806	86434	103648	73937	55074	68874	1164469
Rkfish, Sebastolobus...	257294	284155	251379	181556	262422	262147	219126	248903	336398	426463	380574	407710	3518127
Rockfish, other spp...	186957	162399	192536	328996	478055	369812	314001	334599	393712	296578	109124	123766	3290535
Sablefish.....	189807	184107	264765	1733596	1216797	205596	169324	177295	329958	273471	218534	265561	5228811
Salmon, chinook.....	0	534033	24839	0	105434	338859	249643	398973	870857	408012	766	0	2931416
Salmon, chum.....	0	0	0	0	0	15	26	0	3	444	72	0	560
Salmon, coho.....	0	0	0	0	0	361718	885722	149668	736295	666529	24382	0	2824314

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1991. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, pink.....	0	0	0	0	45	590	2561	854	23	5	0	0	4078
Sanddab, Pacific.....	11876	17333	35941	15926	23162	36970	27235	5836	15099	20311	5763	2279	217731
Sculpin.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Irish Lord, Brown.....	0	4	0	0	0	0	0	0	0	0	0	0	4
Irish Lord, Red.....	0	2	0	0	0	0	0	0	0	0	0	0	2
Sculpin, Buffalo.....	0	0	0	0	0	0	0	0	0	0	5	0	5
Shad, American.....	0	0	0	0	8048	22270	18	0	0	0	0	0	30336
Shark, blue.....	0	0	0	0	0	0	26	71	0	0	0	0	97
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	150	0	0	150
Shark, soupfin.....	411	916	101	66	63	41	181	484	659	0	55	152	3129
Shark, spiny dogfish..	1164	2494	10580	3201	534	451	15	12	59	2	41	9	18562
Shark, other.....	0	0	23	0	0	0	0	0	8	0	0	0	31
Skates and rays.....	118	112	336	338	209	240	50	18	214	288	50	53	2026
Smelt.....	329	725	0	0	0	0	80	0	0	0	0	0	1134
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	56	0	0	0	56
Sole, butter.....	0	0	0	169	0	100	0	1	1	1	1	0	273
Sole, curlfin (turbot)	0	2	22	12	2	114	128	360	83	15	2	35	775
Sole, Dover.....	602856	492475	729085	692789	559865	403453	402318	399670	464684	508659	289897	428317	5974068
Sole, English.....	24997	46123	39554	32236	54329	83173	83572	63891	74783	77713	22315	16768	619454
Sole, flathead.....	0	0	115	0	6	944	121	0	66	671	0	0	1923
Sole, petrale.....	565092	196463	83097	58658	53220	80447	71070	44823	45451	59390	72453	358628	1688792
Sole, rex.....	24430	35439	18213	15125	31547	49720	30456	22083	27258	31344	8563	9736	303914
Sole, rock.....	0	0	0	0	734	169	41	78	42	4	65	72	1205
Sole, sand.....	300	166	5388	9842	40352	117711	75355	76117	90719	42515	13955	815	473235
Steelhead.....	0	1855	1812	0	0	0	0	22335	36708	9248	0	0	71958
Sturgeon, green.....	12	51	654	117	1346	2234	214	36	9807	2645	302	124	17542
Sturgeon, white.....	1315	61212	39621	11644	5854	6752	472	25203	27821	36067	3470	0	219431
Sucker, bridgelip.....	0	0	0	5	26	80	20	8	0	0	0	0	139
Surfperch.....	1	188	57	929	0	10	207	64	117	8	167	0	1748
Tuna, albacore.....	0	0	0	0	0	0	0	514637	353972	97795	9247	0	975651

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1991. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Walleye.....	0	278	446	0	0	0	0	94	351	193	0	0	1362
Whiting, Pac. (Hake)..	0	0	0	22774	102827	154529	154656	202668	227341	309052	217636	5275	1396758
Wolf-eel.....	0	67	33	23	45	48	107	157	45	5	4	1	535
Wrymouth.....	0	0	0	0	5	0	22	48	29	10	0	0	114
CRUSTACEANS:													
Barnacle, Gooseneck...	0	0	0	0	8	11	0	0	0	0	0	0	19
Crab, box.....	71	1361	0	4772	26	0	2	0	1	1	1	0	6235
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	35416	63249	36326	3185	138176
Crab, Dungeness, Oc...	2115397	612261	428361	324753	354373	364553	397129	217896	0	0	0	2509435	7324158
Crab, Hermit.....	0	0	0	0	0	0	1	8	0	0	0	0	9
Crab, rock.....	182	253	127	519	1009	1504	0	321	163	374	318	137	4907
Crab, Tanner.....	0	0	0	0	8	1	0	0	0	0	0	0	9
Crayfish.....	0	0	0	2984	5254	32057	51467	28161	20870	8701	0	0	149494
Shrimp, brine.....	0	0	0	0	5220	17280	17820	10980	0	0	0	0	51300
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	111	0	0	0	111
Shrimp, ghost.....	10009	7632	8547	11311	23643	21236	11468	12633	11643	13781	10027	8973	150903
Shrimp, mud.....	11975	9420	12386	17145	10755	4009	2714	1663	3055	5386	7230	5933	91671
Shrimp, pink.....	0	0	0	1711181	1939173	2432194	1251392	2244635	1531408	959443	0	0	12069426
MOLLUSKS:													
Clams, butter.....	618	42	20	104	37	29	159	410	84	113	106	0	1722
Clams, cockle.....	2364	2900	4352	2991	4701	3708	2310	922	859	1546	533	458	27644
Clams, gaper.....	695	0	0	0	0	0	200	299	453	264	718	364	2993
Clams, littleneck....	0	0	136	212	696	1161	2620	4142	2980	4318	20	0	16285
Clams, softshell.....	229	542	619	924	1605	1270	614	919	702	593	170	377	8564
Clams, razor.....	1662	888	2826	5443	7915	5829	2923	0	11464	28343	4791	1028	73112
Mussels, ocean.....	133	1765	97	348	180	119	60	201	43	419	0	1706	5071
Mussels, freshwater...	0	0	0	0	0	0	0	0	1447	0	0	0	1447
Octopus.....	2843	1231	739	647	497	732	678	1152	984	428	168	267	10366
Scallops, weathervane	0	16	0	160	0	0	0	179	58	0	0	0	413
Snails & Chitons.....	0	0	0	0	1	0	0	1	0	0	0	0	2

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1991. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Squid.....	0	0	0	0	0	0	0	0	29	0	0	0	29
OTHER INVERTEBRATES:													
Sand Dollars.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Sea Anemone.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Sea Cucumber.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	1	1	0	0	0	0	0	0	2
Sea urchins.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Sea urchins, red.....	172523	465400	574862	437470	392833	228109	332637	194459	144625	142057	137573	233326	3455874
TOTAL	4987270	3942139	3427106	6255516	6353167	6427434	5750420	6134247	7308686	4973983	1811175	4786499	62157642

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1991. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Flounder, starry.....	0	352	25	0	0	0	0	7	17	6	0	0	407
Rockfish, other spp...	0	0	0	0	0	0	0	0	0	1	0	0	1
Salmon, chinook.....	0	534033	24618	0	0	0	0	77553	300519	90798	766	0	1028287
Salmon, chum.....	0	0	0	0	0	0	0	0	3	403	72	0	478
Salmon, coho.....	0	0	0	0	0	0	0	56618	666891	663456	24382	0	1411347
Salmon, pink.....	0	0	0	0	0	0	0	0	18	5	0	0	23
Shad, American.....	0	0	0	0	7445	19760	0	0	0	0	0	0	27205
Smelt.....	329	725	0	0	0	0	0	0	0	0	0	0	1054
Sturgeon, green.....	0	51	0	0	0	0	0	36	9652	2230	0	0	11969
Sturgeon, white.....	0	32264	4246	0	0	0	0	24781	27285	34515	3330	0	126421
TOTAL	329	567425	28889	0	7445	19760	0	158995	1004385	791414	28550	0	2607192
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	221	0	0	0	0	16217	151963	14443	0	0	182844
Salmon, coho.....	0	0	0	0	0	0	0	12	11794	2683	0	0	14489
Steelhead.....	0	1855	1812	0	0	0	0	22335	36708	9248	0	0	71958
Sturgeon, white.....	1315	28948	35235	11268	2683	0	0	0	0	0	0	0	79449
Walleye.....	0	278	446	0	0	0	0	94	351	193	0	0	1362
TOTAL	1315	31081	37714	11268	2683	0	0	38658	200816	26567	0	0	350102
TOTAL	1644	598506	66603	11268	10128	19760	0	197653	1205201	817981	28550	0	2957294

1/ OREGON LANDINGS ONLY

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1991. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	4384	3920	8884	13101	26692	73225	51421	58528	25875	18160	4110	3955	292255
Flounder, arrowtooth..	19528	9547	16744	24832	63195	101138	43836	75778	43517	26921	7792	11440	444268
Flounder, starry.....	0	49	11934	1339	44244	18641	37684	36832	24436	2025	10433	7	187624
Grenadier.....	0	0	0	0	46	0	0	0	0	0	0	0	46
Hagfish.....	0	0	0	0	0	0	0	0	3485	0	0	0	3485
Halibut, Pacific.....	0	0	0	0	65140	0	29629	0	685104	0	0	0	779873
Lingcod.....	58553	12188	97245	189991	42567	42683	43724	49018	51413	26189	20244	30740	664555
Pollock, walleye.....	0	0	0	21	1	0	0	0	0	0	0	0	22
Pac. Oc. Perch.....	29307	25939	29190	28959	35245	38357	34230	43503	41634	38242	14613	21894	381113
Nominal POP.....	2914	1823	3253	4552	8740	4749	3976	4868	5069	7481	2222	5824	55471
Rockfish, widow.....	89867	79077	67519	30097	43991	103286	98455	88846	182395	113589	25769	118591	1041482
Rockfish, yellowtail..	60328	62465	78384	85788	63768	63855	42012	61962	66258	44626	28986	41970	700402
Rkfsh, Sebastolobus...	42879	33304	39965	37696	64579	47176	28536	32101	69112	88983	59836	62612	606779
Rockfish, other spp...	68349	52076	58138	116997	157634	129684	106656	130687	129438	102457	38595	47998	1138709
Sablefish.....	61843	39701	76848	502149	251099	49727	35409	47970	178673	76176	45849	78491	1443935
Salmon, chinook.....	0	0	0	0	7673	1668	1174	3511	1586	4116	0	0	19728
Salmon, coho.....	0	0	0	0	0	0	2892	22421	28310	0	0	0	53623
Salmon, pink.....	0	0	0	0	0	0	0	101	0	0	0	0	101
Sanddab, Pacific.....	2670	5297	5600	10967	14277	22561	8853	4929	3563	9979	1633	1690	92019
Shark, soupfin.....	334	484	37	14	63	0	152	289	648	0	0	99	2120
Shark, spiny dogfish..	1157	1764	9886	3181	432	436	14	0	0	0	0	0	16870
Shark, other.....	0	0	23	0	0	0	0	0	0	0	0	0	23
Skates and rays.....	0	0	0	0	0	0	0	10	183	21	0	0	214
Sole, butter.....	0	0	0	169	0	0	0	0	0	0	0	0	169
Sole, curlfin (turbot)	0	0	0	0	0	80	16	0	0	0	0	35	131
Sole, Dover.....	233220	137358	328788	351264	209247	169531	145908	175429	193427	187562	75490	166156	2373380
Sole, English.....	10006	25283	11535	9221	27145	49891	52871	44638	46221	49428	12600	5519	344358
Sole, flathead.....	0	0	115	0	6	944	121	0	0	671	0	0	1857
Sole, petrale.....	202801	88203	26409	13168	22549	42319	34121	22246	22743	34264	30249	96382	635454

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1991. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, rex.....	13409	27028	8551	11508	25809	43321	26133	19677	24456	27300	6286	6085	239563
Sole, rock.....	0	0	0	0	0	0	0	12	6	0	0	0	18
Sole, sand.....	68	114	5148	9627	16950	32555	41412	25566	18139	15667	8474	189	173909
Sturgeon, green.....	0	0	654	117	745	223	198	0	113	171	32	0	2253
Sturgeon, white.....	0	0	140	376	2598	276	0	68	80	385	140	0	4063
Tuna, albacore.....	0	0	0	0	0	0	0	112149	91852	1920	0	0	205921
Whiting, Pac. (Hake)..	0	0	0	858	35515	43997	56981	28548	0	0	0	0	165899
Wolf-eel.....	0	0	0	0	11	19	5	64	6	0	3	0	108
Wrymouth.....	0	0	0	0	0	0	22	48	28	9	0	0	107
CRUSTACEANS:													
Crab, Dungeness, Oc...	1018894	197491	129569	82358	80856	56628	81525	19269	0	0	0	475762	2142352
Shrimp, pink.....	0	0	0	399917	523783	677650	288550	621574	496568	289300	0	0	3297342
MOLLUSKS:													
Octopus.....	59	116	28	20	169	481	391	314	331	66	37	0	2012
TOTAL	1920570	803227	1014587	1928287	1834769	1815101	1296907	1730956	2434669	1165708	393393	1175439	17513613

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, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Rockfish, other spp...	0	0	0	0	0	0	0	3	1	0	0	0	4
Salmon, chinook.....	0	0	0	0	90	0	1090	577	23	99	0	0	1879
Salmon, coho.....	0	0	0	0	0	0	19	7870	3311	390	0	0	11590
Salmon, pink.....	0	0	0	0	0	0	0	25	0	0	0	0	25
MOLLUSKS:													
Clams, razor.....	1662	888	2826	5443	7915	5829	2923	0	11464	28343	4791	1028	73112
TOTAL	1662	888	2826	5443	8005	5829	4032	8475	14799	28832	4791	1028	86610

TABLE 45B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CANNON BEACH, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	0	269	185	0	0	0	454
Salmon, coho.....	0	0	0	0	0	0	0	5463	5496	0	0	0	10959
Salmon, pink.....	0	0	0	0	0	0	0	2	0	0	0	0	2
MOLLUSKS:													
Mussels, ocean.....	0	0	18	62	0	0	0	0	0	0	0	0	80
TOTAL	0	0	18	62	0	0	0	5734	5681	0	0	0	11495

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TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	34	47	101	69	127	156	134	193	374	1006	351	110	2702
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	0	88	366	16	0	0	0	470
Clams, littleneck.....	0	0	0	0	190	330	1061	2741	2232	3508	0	0	10062
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	316	0	0	316
TOTAL	34	47	101	69	317	486	1283	3300	2622	4830	351	110	13550

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	4	0	0	0	9	57	0	0	0	0	0	70
Cod, Pacific.....	427	750	403	2671	2502	5285	2602	1820	1426	1576	196	33	19691
Flounder, arrowtooth..	4072	1920	1252	2015	1721	2162	690	834	3695	2514	235	2159	23269
Flounder, starry.....	3	0	0	0	8	1225	211	153	48	64	126	0	1838
Halibut, Pacific.....	0	0	0	0	0	0	18948	0	0	0	0	0	18948
Lingcod.....	1768	1916	1166	14372	3647	8443	4903	1472	7855	9332	234	652	55760
Mackerel.....	0	0	0	0	0	17	52	54	8	0	0	0	131
Pac. Oc. Perch.....	4875	1231	2163	4551	656	746	911	1018	5192	3413	198	793	25747
Nominal POP.....	5654	6783	2965	9225	6157	7794	3831	5181	2426	2177	1050	1849	55092
Rockfish, widow.....	18238	20692	21674	1606	421	3766	6688	10254	28763	3028	869	3048	119047
Rockfish, yellowtail..	11585	9805	5575	8616	2222	7672	4867	4013	5221	4098	860	1586	66120
Rkfish, Sebastolobus...	5341	3501	2666	2149	764	933	537	799	2602	2891	3718	6629	32530
Rockfish, other spp...	10828	4897	4769	17796	11161	11342	6697	8243	9895	4708	713	2602	93651
Sablefish.....	13039	5407	4513	7059	27471	3248	3753	3539	6230	6491	3477	3496	87723
Salmon, chinook.....	0	0	0	0	3888	4270	41639	38744	69858	78452	0	0	236851
Salmon, coho.....	0	0	0	0	0	4396	214587	42086	16486	0	0	0	277555
Salmon, pink.....	0	0	0	0	0	18	489	470	0	0	0	0	977
Sanddab, Pacific.....	0	0	0	0	942	392	698	113	194	339	69	0	2747
Shark, blue.....	0	0	0	0	0	0	0	71	0	0	0	0	71
Sole, butter.....	0	0	0	0	0	100	0	0	0	0	0	0	100
Sole, Dover.....	60425	42219	36519	37854	12571	18711	19990	12059	27016	28959	7595	24323	328241
Sole, English.....	400	208	372	546	761	2164	1447	742	842	4790	936	200	13408
Sole, flathead.....	0	0	0	0	0	0	0	0	66	0	0	0	66
Sole, petrale.....	56577	11432	3139	1816	1090	3035	1681	912	1744	4062	980	18997	105465
Sole, rex.....	609	432	729	551	607	1861	662	526	435	1023	192	333	7960
Sole, rock.....	0	0	0	0	0	23	22	6	0	0	0	0	51
Sole, sand.....	200	0	0	0	10	10618	4250	2414	1155	1227	1327	0	21201
Sturgeon, green.....	12	0	0	0	0	42	0	0	0	0	0	0	54
Wolf-eel.....	0	0	0	0	0	25	53	23	26	0	0	0	127

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1991.

(CONT.)

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	41	0	0	41
Crab, Dungeness, Oc...	95107	41452	35312	30030	49414	44287	29840	11887	0	0	0	71396	408725
Shrimp, ghost.....	170	118	232	198	587	730	854	695	444	485	143	81	4737
Shrimp, mud.....	836	852	785	184	67	0	0	0	0	0	0	0	2724
Shrimp, pink.....	0	0	0	194383	138453	184326	97866	270779	93705	95721	0	0	1075233
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	23	0	0	24	80	106	0	233
Clams, cockle.....	2340	1300	3025	2915	4117	3541	2310	922	859	1504	24	293	23150
Clams, gaper.....	0	0	0	0	0	0	0	0	120	210	525	0	855
Clams, littleneck.....	0	0	58	77	502	830	1421	1397	743	807	20	0	5855
Octopus.....	0	0	0	20	0	25	50	23	0	7	5	0	130
TOTAL	292506	154919	127317	338634	269739	332059	472606	421249	287078	257999	23598	138470	3116174

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	69	0	117	0	0	0	186
Salmon, coho.....	0	0	0	0	0	0	1906	0	0	0	0	0	1906
Salmon, pink.....	0	0	0	0	0	0	12	0	0	0	0	0	12
CRUSTACEANS:													
Shrimp, ghost.....	0	0	0	0	0	0	0	477	0	0	0	0	477
Shrimp, mud.....	10856	8475	11383	16773	10571	3959	2714	1656	3006	5374	7172	5711	87650
MOLLUSKS:													
Clams, cockle.....	0	1584	1188	0	401	36	0	0	0	42	509	165	3925
TOTAL	10856	10059	12571	16773	10972	3995	4701	2133	3123	5416	7681	5876	94156

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	591	0	0	0	0	0	591
Lingcod.....	547	1509	403	775	542	773	842	615	536	468	393	202	7605
Mackeral.....	0	0	0	0	0	10	0	1	0	0	0	0	11
Rockfish, widow.....	0	0	0	35	0	0	0	0	0	24	0	0	59
Rockfish, other spp...	101	286	1137	3950	2635	3288	1686	4795	1842	576	866	254	21416
Salmon, chinook.....	0	0	0	0	1914	6018	18865	6700	2168	7846	0	0	43511
Salmon, chum.....	0	0	0	0	0	0	10	0	0	15	0	0	25
Salmon, coho.....	0	0	0	0	0	3854	133052	6650	2868	0	0	0	146424
Salmon, pink.....	0	0	0	0	0	5	735	0	0	0	0	0	740
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	161	1349	524	0	0	0	0	2034
Shrimp, ghost.....	472	375	333	215	849	1131	461	250	1280	1061	330	43	6800
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	0	2956	0	0	0	0	0	0	2956
TOTAL	1120	2170	1873	4975	5940	18196	157591	19535	8694	9990	1589	499	232172

TABLE 50. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SILETZ BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	0	0	0	0	0	0	0	93	171	72	0	0	336
TOTAL	0	0	0	0	0	0	0	93	171	72	0	0	336

TABLE 51. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	27	415	268	469	255	32	254	1421	275	125	0	0	3541
Halibut, Pacific.....	0	0	0	0	0	0	4180	0	0	0	0	0	4180
Lingcod.....	22	647	1298	397	698	559	792	470	488	588	0	0	5959
Rockfish, widow.....	0	0	0	34	0	0	0	0	0	0	0	0	34
Rockfish, other spp...	0	157	794	784	230	104	33	182	449	76	0	0	2809
Salmon, chinook.....	0	0	0	0	5215	2729	2002	5159	4960	3705	0	0	23770
Salmon, coho.....	0	0	0	0	0	17075	1759	0	0	0	0	0	18834
Salmon, pink.....	0	0	0	0	0	0	85	12	0	0	0	0	97
Shark, soupfin.....	0	0	41	0	0	0	0	0	0	0	0	0	41
Shark, spiny dogfish..	0	0	22	0	0	0	0	0	0	0	0	0	22
Skates and rays.....	0	0	36	0	0	0	0	0	0	0	0	0	36
Tuna, albacore.....	0	0	0	0	0	0	0	0	1178	2374	0	0	3552
Wolf-eel.....	0	0	0	18	0	0	30	42	0	0	0	0	90
CRUSTACEANS:													
Barnacle, Gooseneck...	0	0	0	0	8	11	0	0	0	0	0	0	19
Crab, Dungeness, Oc...	14855	5659	8437	9488	4712	6534	2932	4997	0	0	0	11551	69165
MOLLUSKS:													
Mussels, ocean.....	0	0	0	0	75	15	0	0	0	0	0	0	90
Octopus.....	0	0	0	0	0	0	37	0	0	0	0	0	37
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	8671	74010	56756	16072	65909	18840	0	0	0	0	240258
TOTAL	14904	6878	19567	85200	67949	43131	78013	31123	7350	6868	0	11551	372534

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	174	34	80	172	75	587	181	538	2134	1594	144	0	5713
Cod, Pacific.....	118	294	2057	1429	4511	7201	4874	4716	722	851	138	773	27684
Flounder, arrowtooth..	989	1304	917	1914	4323	4379	4575	1104	1614	2492	502	295	24408
Flounder, starry.....	18	78	28	92	1171	1486	2458	1232	2984	577	170	63	10357
Greenling.....	0	0	0	0	0	0	80	0	55	25	0	0	160
Grenadier.....	0	0	0	0	0	0	0	0	0	9	15	11	35
Halibut, Pacific.....	1106	267	849	65	99	575	155301	40	0	48	0	0	158350
Herring, Pacific.....	0	169039	10	11	0	0	0	0	1	0	0	0	169061
Lingcod.....	17019	5960	9907	9173	20960	24795	16189	11851	14061	13324	2071	2117	147427
Mackerel.....	0	0	0	0	0	0	0	0	1800	0	625	0	2425
Ratfish.....	0	0	0	0	5	29	19	22	2	6	0	0	83
Pac. Oc. Perch.....	10511	10034	6422	2383	3987	8981	7587	5507	7369	7982	6149	5793	82705
Nominal POP.....	113814	69942	46528	19023	39971	83455	50822	51447	15968	43637	40233	63957	638797
Rockfish, widow.....	174990	148534	117794	56150	58435	70816	122745	94050	114014	12617	7399	14311	991855
Rockfish, yellowtail..	22964	27319	32533	17390	17027	16081	23374	15055	19941	12881	10134	14490	229189
Rkfish, Sebastolobus...	63135	82996	62149	74219	88537	83423	83286	58688	107194	136147	87548	70040	997362
Rockfish, other spp...	49680	36373	48562	83995	113216	59752	68114	53017	111814	79699	15830	32190	752242
Sablefish.....	38201	33986	44822	477537	314693	57887	49166	47375	57823	66192	53668	48884	1290234
Salmon, chinook.....	0	0	0	0	73219	144322	70585	94368	129342	119228	0	0	631064
Salmon, coho.....	0	0	0	0	0	192911	189820	7585	688	0	0	0	391004
Salmon, pink.....	0	0	0	0	2	189	977	141	5	0	0	0	1314
Sanddab, Pacific.....	3401	187	6259	3223	91	2478	761	338	519	339	360	471	18427
Sculpin.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Irish Lord, Brown.....	0	4	0	0	0	0	0	0	0	0	0	0	4
Irish Lord, Red.....	0	2	0	0	0	0	0	0	0	0	0	0	2
Sculpin, Buffalo.....	0	0	0	0	0	0	0	0	0	0	5	0	5
Shark, blue.....	0	0	0	0	0	0	26	0	0	0	0	0	26
Shark, soupfin.....	10	162	23	0	0	18	14	0	0	0	0	0	227
Shark, spiny dogfish..	7	730	672	20	102	15	1	12	59	2	41	0	1661

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, other.....	0	0	0	0	0	0	0	0	8	0	0	0	8
Skates and rays.....	118	112	300	338	209	240	50	8	31	246	50	53	1755
Sole, butter.....	0	0	0	0	0	0	0	0	1	1	1	0	3
Sole, curlfin (turbot)	0	2	0	0	2	4	5	4	1	5	2	0	25
Sole, Dover.....	64184	55462	52449	87288	104640	71013	82875	75491	74263	74484	45860	48426	836435
Sole, English.....	4122	3674	16582	14628	11716	13806	15062	9238	10682	12165	4593	5761	122029
Sole, petrale.....	33734	19340	31976	22868	14529	21896	25057	14956	5749	7773	6281	21814	225973
Sole, rex.....	1806	2446	6492	2472	2919	2326	2959	1715	1524	1798	1031	1604	29092
Sole, rock.....	0	0	0	0	484	113	2	54	0	1	55	72	781
Sole, sand.....	32	0	120	98	22845	29384	12348	15353	52014	14346	4154	626	151320
Sturgeon, green.....	0	0	0	0	535	346	16	0	42	244	270	124	1577
Sturgeon, white.....	0	0	0	0	0	0	0	0	91	40	0	0	131
Surfperch.....	1	0	0	0	0	10	207	64	117	8	0	0	407
Tuna, albacore.....	0	0	0	0	0	0	0	254183	182797	71940	0	0	508920
Whiting, Pac. (Hake)..	0	0	0	16751	53792	107426	93612	142350	211683	309052	217636	5275	1157577
Wolf-eel.....	0	66	33	5	0	4	19	28	8	0	0	0	163
Wrymouth.....	0	0	0	0	5	0	0	0	0	0	0	0	5
CRUSTACEANS:													
Crab, box.....	71	1361	0	4772	26	0	2	0	1	1	1	0	6235
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	298	2199	1782	206	4485
Crab, Dungeness, Oc...	379784	116863	100182	73963	96605	153700	103278	55384	0	0	0	1019159	2098918
Crab, Hermit.....	0	0	0	0	0	0	1	8	0	0	0	0	9
Crab, rock.....	182	253	127	519	1009	1504	0	321	163	0	190	137	4405
Crab, Tanner.....	0	0	0	0	8	1	0	0	0	0	0	0	9
Shrimp, ghost.....	263	620	795	1422	269	0	0	0	0	0	0	0	3369
Shrimp, mud.....	7	0	125	78	7	0	0	0	0	0	0	0	217
Shrimp, pink.....	0	0	0	357580	590492	598098	336840	277492	345958	337941	0	0	2844401
MOLLUSKS:													
Clams, butter.....	0	0	0	0	0	0	0	1	0	0	0	0	1

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, cockle.....	0	0	0	0	0	6	0	0	0	0	0	0	6
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0	145	218	363
Octopus.....	265	413	348	245	192	38	177	83	15	99	16	44	1935
Snails & Chitons.....	0	0	0	0	1	0	0	1	0	0	0	0	2
Squid.....	0	0	0	0	0	0	0	0	29	0	0	0	29
OTHER INVERTEBRATES:													
Sand Dollars.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Sea Anemone.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Sea Cucumber.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Sea Stars.....	0	0	0	0	1	1	0	0	0	0	0	0	2
Sea urchins.....	0	0	0	0	1	0	0	0	0	0	0	0	1
TOTAL	980706	787857	589141	1329823	1640712	1759297	1523466	1293821	1473584	1329993	507099	1356914	14572413

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPOR, 1991.

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	2087	14445	14014	398	30944
Shrimp, ghost.....	8494	5745	6532	8920	20751	18260	8956	10254	8521	11102	9131	8716	125382
Shrimp, mud.....	276	93	93	72	110	50	0	7	49	12	8	71	841
MOLLUSKS:													
Clams, cockle.....	0	16	93	67	60	0	0	0	0	0	0	0	236
Mussels, ocean.....	67	0	0	0	30	0	0	76	0	0	0	0	173
TOTAL	8837	5854	6718	9059	20951	18310	8956	10337	10657	25559	23153	9185	157576

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	4712	0	0	0	0	0	4712
Lingcod.....	0	0	0	26	82	23	5	10	3	0	0	0	149
Rockfish, yellowtail..	0	0	0	463	1588	121	0	0	0	0	0	0	2172
Rockfish, other spp...	0	25	0	4372	1828	121	123	380	968	6	0	0	7823
Sablefish.....	0	1780	0	120885	64719	1155	0	0	0	0	0	0	188539
Salmon, chinook.....	0	0	0	0	9318	60140	18731	43070	5614	1394	0	0	138267
Salmon, chum.....	0	0	0	0	0	0	16	0	0	0	0	0	16
Salmon, coho.....	0	0	0	0	0	24516	56535	963	0	0	0	0	82014
Salmon, pink.....	0	0	0	0	43	47	8	35	0	0	0	0	133
Sanddab, Pacific.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Shad, American.....	0	0	0	0	0	232	18	0	0	0	0	0	250
Sole, Dover.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	1988	0	0	1988
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	12	0	0	0	12
Crab, Dungeness, Oc...	34215	20652	14890	18058	26550	27423	56605	25347	0	0	0	48358	272098
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	11	31	0	42
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	50	12	0	58	0	0	0	0	120
Mussels, ocean.....	0	0	58	75	75	75	0	0	0	0	0	0	283
TOTAL	34215	22457	14948	143879	104257	113865	136753	69863	6597	3399	31	48358	698622

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Marlin, Striped.....	0	0	0	0	0	0	0	310	0	0	0	0	310
Halibut, Pacific.....	0	0	0	0	0	0	14109	0	0	0	0	0	14109
Herring, Pacific.....	0	0	0	0	0	0	1922	1373	0	0	0	0	3295
Lingcod.....	101	401	12	361	22	350	0	5	3	49	180	21	1505
Pac. Oc. Perch.....	24	0	0	0	0	0	0	0	0	0	0	0	24
Rockfish, widow.....	51	93	0	0	0	0	0	18	48	0	0	0	210
Rockfish, yellowtail..	0	0	0	0	0	0	0	81	0	0	0	0	81
Rockfish, other spp...	244	443	71	159	310	79	1661	415	686	1213	129	29	5439
Sablefish.....	0	0	1581	19144	32862	1619	0	0	0	0	0	0	55206
Salmon, chinook.....	0	0	0	0	3048	55108	27592	29221	25298	2980	0	0	143247
Salmon, chum.....	0	0	0	0	0	15	0	0	0	0	0	0	15
Salmon, coho.....	0	0	0	0	0	40019	134612	0	0	0	0	0	174631
Salmon, pink.....	0	0	0	0	0	32	49	34	0	0	0	0	115
Shad, American.....	0	0	0	0	603	2278	0	0	0	0	0	0	2881
Smelt.....	0	0	0	0	0	0	80	0	0	0	0	0	80
Sole, Dover.....	0	0	0	0	0	64	0	0	0	0	0	0	64
Sole, sand.....	0	0	0	0	0	0	0	0	0	150	0	0	150
Tuna, albacore.....	0	0	0	0	0	0	0	18076	20616	0	0	0	38692
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	8886	13891	3958	152	26887
Crab, Dungeness, Oc...	109014	34262	25130	32448	32463	19537	42681	35099	0	0	0	278180	608814
Shrimp, pink.....	0	0	0	0	0	6831	8798	1061	3405	7228	0	0	27323
MOLLUSKS:													
Clams, cockle.....	4	0	0	4	0	0	0	0	0	0	0	0	8
Clams, littleneck.....	0	0	1	0	0	0	0	0	0	0	0	0	1
Clams, softshell.....	229	542	619	924	1555	1138	614	861	702	593	170	327	8274
Mussels, ocean.....	66	1765	0	211	0	29	39	125	43	103	0	1694	4075
TOTAL	109733	37506	27414	53251	70863	127099	232157	86679	59687	26207	4437	280403	1115436

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	1	0	0	35	10	0	0	7	0	0	0	53
Cod, Pacific.....	17	72	5	141	149	282	360	153	197	260	80	121	1837
Flounder, arrowtooth..	1007	809	426	854	4411	4635	3898	3021	2462	2907	1383	1994	27807
Flounder, starry.....	0	237	2	5	34	2895	1962	4295	801	232	4	0	10467
Grenadier.....	512	401	1325	1031	1660	984	2197	1863	3081	1715	1992	1632	18393
Hagfish.....	0	2783	5466	0	0	4715	1255	0	0	0	0	10613	24832
Halibut, Pacific.....	0	0	0	0	0	89	12456	0	0	0	0	0	12545
Lingcod.....	2852	18402	4553	10487	19518	24924	22635	11698	10465	20033	6729	3062	155358
Mackerel.....	0	0	0	0	0	6	0	0	0	0	0	0	6
Pollock, walleye.....	0	0	0	0	3	0	0	0	0	22	0	0	25
Pac. Oc. Perch.....	879	1453	457	0	1307	186	1566	742	312	111	234	815	8062
Nominal POP.....	19284	17849	22071	14510	23125	37876	23512	11554	20046	19840	11579	16710	237956
Rockfish, widow.....	73486	72126	63250	19483	20616	20728	33924	45103	74396	13045	5880	5810	447847
Rockfish, yellowtail..	24701	18326	11966	18281	15803	10377	6553	5234	8434	11499	15094	10452	156720
Rkfish, Sebastolobus...	120537	120772	132306	63093	102586	130615	106767	156635	147239	164425	195334	221595	1661904
Rockfish, other spp...	50307	42492	57743	60372	152614	110456	113116	78619	88585	91188	39381	32373	917246
Sablefish.....	62470	79467	85150	325725	313035	77635	80996	77057	79897	86219	82450	106021	1456122
Salmon, chinook.....	0	0	0	0	1069	62905	64671	78462	134580	63078	0	0	404765
Salmon, chum.....	0	0	0	0	0	0	0	0	0	26	0	0	26
Salmon, coho.....	0	0	0	0	0	77052	139289	0	0	0	0	0	216341
Salmon, pink.....	0	0	0	0	0	259	206	34	0	0	0	0	499
Sanddab, Pacific.....	5770	11809	24016	1736	7848	11523	16923	456	10671	9643	3701	118	104214
Shark, sixgill.....	0	0	0	0	0	0	0	0	0	150	0	0	150
Shark, soupfin.....	0	189	0	0	0	23	10	9	0	0	15	53	299
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	0	9	9
Skates and rays.....	0	0	0	0	0	0	0	0	0	21	0	0	21
Sole, curlfin (turbot)	0	0	22	12	0	30	107	356	82	10	0	0	619
Sole, Dover.....	212591	214198	287087	205163	222447	144057	153514	132092	157174	180217	133611	158528	2200679
Sole, English.....	9915	16302	10752	7841	14582	17158	14192	9164	15118	10615	4087	5112	134838

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, petrale.....	218291	64405	19885	20683	14736	13048	10211	5726	10118	10075	31971	199290	618439
Sole, rex.....	3715	2028	1128	254	1754	2196	702	136	250	101	206	949	13419
Sole, rock.....	0	0	0	0	250	33	17	6	36	3	10	0	355
Sole, sand.....	0	52	58	117	547	45154	17345	32784	19411	11123	0	0	126591
Sturgeon, green.....	0	0	0	0	66	1623	0	0	0	0	0	0	1689
Sturgeon, white.....	0	0	0	0	573	6476	472	354	365	1127	0	0	9367
Tuna, albacore.....	0	0	0	0	0	0	0	124423	37160	4989	0	0	166572
Whiting, Pac. (Hake)..	0	0	0	5165	13520	3106	4063	31770	15658	0	0	0	73282
Wolf-eel.....	0	1	0	0	34	0	0	0	5	5	0	0	45
Wrymouth.....	0	0	0	0	0	0	0	0	1	1	0	0	2
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	24133	32673	16572	2429	75807
Crab, Dungeness, Oc...	217563	95039	51592	32359	34522	41135	54668	19696	0	0	0	387524	934098
Crab, rock.....	0	0	0	0	0	0	0	0	0	374	128	0	502
Shrimp, ghost.....	576	727	554	414	987	892	1063	671	853	44	41	23	6845
Shrimp, mud.....	0	0	0	38	0	0	0	0	0	0	50	151	239
Shrimp, pink.....	0	0	0	446984	273554	514181	275337	544204	395860	141626	0	0	2591746
MOLLUSKS:													
Clams, butter.....	618	42	20	104	37	6	71	43	44	33	0	0	1018
Clams, cockle.....	20	0	46	5	123	125	0	0	0	0	0	0	319
Clams, gaper.....	695	0	0	0	0	0	200	299	333	54	48	146	1775
Clams, littleneck.....	0	0	77	135	4	1	138	4	5	3	0	0	367
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0	0	50	50
Mussels, ocean.....	0	0	21	0	0	0	21	0	0	0	0	12	54
Octopus.....	0	154	0	0	16	0	0	102	43	18	0	89	422
Scallops, weathervane	0	16	0	160	0	0	0	179	58	0	0	0	413
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	16831	20030	35595	63762	9884	4470	3127	4697	0	227	158623
TOTAL	1025806	780152	796809	1255182	1277160	1431158	1174301	1381414	1261007	882202	550580	1165908	12981679

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	0	0	68	3	24	0	0	95
Rockfish, other spp...	0	0	0	0	0	30	0	33	697	215	0	0	975
Sablefish.....	0	0	0	2990	0	0	0	0	0	0	0	0	2990
Salmon, chinook.....	0	0	0	0	0	1169	1371	3965	22280	545	0	0	29330
Salmon, coho.....	0	0	0	0	0	1533	3473	0	0	0	0	0	5006
Salmon, pink.....	0	0	0	0	0	30	0	0	0	0	0	0	30
CRUSTACEANS:													
Crab, Dungeness, Oc...	2115	0	121	72	0	0	10499	32933	0	0	0	3989	49729
Shrimp, ghost.....	0	0	0	73	73	67	0	0	0	0	0	0	213
Shrimp, pink.....	0	0	0	0	0	9193	22261	6236	0	0	0	0	37690
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	120	0	0	0	0	0	0	120
TOTAL	2115	0	121	3135	73	12142	37604	43235	22980	784	0	3989	126178

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	6	0	0	0	0	0	0	0	0	0	7	25	38
Flounder, arrowtooth..	0	0	0	9	5	3	0	0	0	0	0	0	17
Hagfish.....	14463	1666	8967	16539	0	0	0	0	0	0	0	0	41635
Halibut, Pacific.....	0	0	0	0	0	0	23227	0	29	0	0	0	23256
Lingcod.....	269	3420	1026	990	1260	789	816	2960	2811	1879	2276	1233	19729
Nominal POP.....	0	0	0	0	0	3	0	0	0	0	0	0	3
Rockfish, widow.....	0	0	0	0	0	0	0	140	0	74	0	1125	1339
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	2295	833	0	376	3504
Rockfish, other spp...	3757	20589	12862	31565	22247	18946	9663	46585	31571	12299	10792	7851	228727
Sablefish.....	812	269	37033	159018	105642	7157	0	33	0	1057	0	1037	312058
Salmon, chinook.....	0	0	0	0	0	390	0	602	10748	20375	0	0	32115
Salmon, coho.....	0	0	0	0	0	239	0	0	0	0	0	0	239
Salmon, pink.....	0	0	0	0	0	10	0	0	0	0	0	0	10
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	15	0	15
Sole, Dover.....	0	0	0	2	2	17	31	15	0	0	0	0	67
Sole, English.....	0	0	0	0	1	0	0	0	1	1	0	0	3
Wolf-eel.....	0	0	0	0	0	0	0	0	0	0	1	1	2
CRUSTACEANS:													
Crab, Dungeness, Oc...	55362	33077	30556	13340	17109	11798	5868	10362	0	0	0	26712	204184
Shrimp, pink.....	0	0	0	2487	33943	16239	12465	20264	5968	12308	0	0	103674
MOLLUSKS:													
Octopus.....	318	183	121	19	23	5	9	42	6	30	0	47	803
OTHER INVERTEBRATES:													
Sea urchins, red.....	145766	416936	519985	195271	214389	54580	58859	35283	62960	83219	109798	210495	2107541
TOTAL	220753	476140	610550	419240	394621	110176	110938	116286	116389	132075	122889	248902	3078959

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	92	0	1084	5415	179	93	59	23	0	47	37	0	7029
Rockfish, widow.....	0	0	0	0	16	0	0	0	0	0	0	0	16
Rockfish, other spp...	386	319	236	1433	408	1185	814	450	61	27	3	0	5322
Sablefish.....	950	451	0	16393	9019	6279	0	0	0	0	0	0	33092
Salmon, chinook.....	0	0	0	0	0	0	391	0	0	0	0	0	391
Salmon, coho.....	0	0	0	0	0	32	2546	0	0	0	0	0	2578
OTHER INVERTEBRATES:													
Sea urchins, red.....	21296	43734	29375	148159	86093	90739	100374	69896	66629	42879	22893	22604	744671
TOTAL	22724	44504	30695	171400	95715	98328	104184	70369	66690	42953	22933	22604	793099

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1991.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	0	0	0	0	0	0	0	4	10	6	0	0	20
Cod, Pacific.....	0	0	62	0	81	0	0	9	0	0	0	0	152
Flounder, arrowtooth..	1381	1606	435	123	934	16	0	899	537	360	541	820	7652
Greenling.....	0	0	0	0	0	0	0	0	3	3	0	0	6
Grenadier.....	550	344	0	0	79	0	0	0	576	401	252	114	2316
Halibut, Pacific.....	0	0	0	0	0	0	2970	0	0	0	0	0	2970
Lingcod.....	1933	1567	660	192	1319	831	1093	2816	4171	2251	1202	265	18300
Mackeral.....	0	0	0	0	0	0	0	0	15	0	0	0	15
Nominal POP.....	1767	1487	918	294	1779	144	9	656	1471	1058	735	267	10585
Rockfish, widow.....	2753	942	3958	5982	1559	84	0	368	196	41	1636	0	17519
Rockfish, yellowtail..	1680	7	1324	46	1569	67	0	89	1499	0	0	0	6281
Rkfsh, Sebastolobus...	25402	43582	14293	4399	5956	0	0	680	10251	34017	34138	46834	219552
Rockfish, other spp...	3305	4742	8224	7573	15772	34825	5438	11190	17705	4113	2815	469	116171
Sablefish.....	12492	23046	14818	102696	98257	889	0	1321	7335	37336	33090	27632	358912
Salmon, chinook.....	0	0	0	0	0	140	1463	555	11616	953	0	0	14727
Salmon, coho.....	0	0	0	0	0	91	5232	0	451	0	0	0	5774
Sanddab, Pacific.....	35	40	66	0	2	16	0	0	152	11	0	0	322
Shark, soupfin.....	67	81	0	52	0	0	5	186	11	0	25	0	427
Smelt, Whitebait.....	0	0	0	0	0	0	0	0	56	0	0	0	56
Sole, butter.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Sole, Dover.....	32436	43238	24242	11218	10956	60	0	4584	12804	37437	27341	30884	235200
Sole, English.....	554	656	313	0	124	154	0	109	1919	714	99	176	4818
Sole, petrale.....	53689	13083	1688	123	316	149	0	983	5097	3216	2972	22145	103461
Sole, rex.....	4891	3505	1313	340	458	16	0	29	593	1122	848	765	13880
Sole, sand.....	0	0	62	0	0	0	0	0	0	2	0	0	64
Surfperch.....	0	188	57	929	0	0	0	0	0	0	167	0	1341
Tuna, albacore.....	0	0	0	0	0	0	0	5806	20369	14584	9247	0	50006

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1991.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Oc...	188488	67766	32572	32637	12142	3350	7884	2398	0	0	0	186804	534041
Shrimp, Coonstripe....	0	0	0	0	0	0	0	0	111	0	0	0	111
Shrimp, pink.....	0	0	0	309830	378948	425676	209275	503025	189944	75319	0	0	2092017
MOLLUSKS:													
Octopus.....	2201	365	242	343	97	183	14	588	589	208	110	87	5027
OTHER INVERTEBRATES:													
Sea urchins, red.....	5461	4730	0	0	0	0	97611	65970	11909	11262	4882	0	201825
TOTAL	339085	210975	105247	476777	530348	466691	330994	602266	299390	224414	120100	317262	4023549

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private hatcheries 1987-1991.

	Chinook Adults	Chinook Jacks	Coho Adults	Coho Jacks ¹	Chum
1987					
Number	36,781	1,894	119,020	1,507	265
Pounds	560,445	6,959	619,786	1,815	1,857
1988					
Number	21,078	3,415	115,768	3,814	2,719
Pounds	363,052	10,526	580,001	4,840	21,838
1989					
Number	13,679	723	45,455	1,492	476
Pounds	209,681	2,830	205,005	1,615	4,307
1990					
Number	6,910	1,228	35,592	9	321
Pounds	103,638	4,158	176,275	13	2,674
1991					
Number	4,075	7	35,097	0	902
Pounds	40,234	15	130,569	0	7,518

¹ May include small adults.

Table 62. Pounds of salmon harvest by Oregon private salmon hatcheries 1991¹

Species	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
<u>Chinook</u>													
Adult	--	--	7,238	14,348	4,422	3,013	4,579	6,549	85	--	--	--	40,234
Jack	--	--	3	4	8	--	--	--	--	--	--	--	15
<u>Coho</u>													
Adult	--	--	--	--	--	436	47,206	81,423	1,504	--	--	--	130,569
Jack ²	--	--	--	--	--	--	--	--	--	--	--	--	--
<u>Chum</u>													
Adult	--	--	--	--	--	--	--	--	7,261	257	--	--	7,518
TOTAL													
Adult	--	--	7,238	14,348	4,422	3,449	51,785	87,972	8,850	257	--	--	178,321
Jack	--	--	3	4	8	--	--	--	--	--	--	--	15

¹ Harvest report from March through February of the following year.

² May include small adults.

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1991.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BAKER													
Crayfish	0	0	0	0	0	13	3247	2078	883	2755	0	0	8976
CLACKAMAS													
Crayfish	0	0	0	0	0	381	2967	1042	675	0	0	0	5065
Mussels, Freshwater	0	0	0	0	0	0	0	0	4991	0	0	0	4991
Lamprey, Pacific	0	0	0	0	0	7299	23009	1913	0	0	0	0	32221
TOTAL	0	0	0	0	0	7680	25976	2955	5666	0	0	0	42277
CLATSOP													
Crayfish	0	0	0	192	141	1080	2306	1542	235	1162	0	0	6658
COLUMBIA													
Crayfish	0	0	0	0	0	220	590	0	1655	2463	0	0	4928
DESCHUTES													
Crayfish	0	0	0	0	0	180	584	1431	1443	0	0	0	3638
DOUGLAS													
Crayfish	0	0	0	0	0	0	347	0	0	0	0	0	347
JEFFERSON													
Crayfish	0	0	0	2211	4073	11194	12953	4847	9813	921	0	0	46012
LAKE													
Shrimp, Brine	0	0	0	0	2900	9600	9900	6100	0	0	0	0	28500
LANE													
Crayfish	0	0	0	0	0	34	0	17	28	0	0	0	79
MULTNOMAH													
Crayfish	0	0	0	0	0	165	2917	4038	2451	449	0	0	10020

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1991.

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

POLK													
Crayfish	0	0	0	0	0	512	990	0	0	0	0	0	1502
WASHINGTON													
Crayfish	0	0	0	0	0	2267	11558	6894	2796	0	0	0	23515
YAMHILL													
Crayfish	0	0	0	0	0	8223	3550	1111	410	0	0	0	13294

TOTAL													
Carp	0	0	0	0	0	0	0	0	0	0	0	0	0
Crayfish	0	0	0	2403	4214	24269	42009	23000	20389	7750	0	0	124034
Mussels, Freshwater	0	0	0	0	0	0	0	0	4991	0	0	0	4991
Lamprey, Pacific	0	0	0	0	0	7299	23009	1913	0	0	0	0	32221
Shrimp, Brine	0	0	0	0	2900	9600	9900	6100	0	0	0	0	28500

Table 64. Oregon oyster production (gallons), 1982-91

Bay/Species	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
<u>Tillamook Bay</u>										
Kumomoto oyster.....	7	0	0	9	4	0	0	0	0	0
Pacific oyster.....	26,174	21,330	30,964	21,204	21,325	23,930	24,084	26,052	13,782	6,150
<u>Netarts Bay</u>										
Pacific oyster.....	0	0	6	40	30	36	41	216	219	2,618
<u>Yaquina Bay</u>										
Kumomoto oyster.....	0	1	16	0	0	0	0	0	0	0
Pacific oyster.....	7,713	6,423	7,210	10,911	12,130	12,798	10,924	9,602	6,570	10,350
<u>Coos Bay</u>										
Pacific oyster.....	3,164	3,138	9,834	5,270	3,065	3,942	3,400	4,115	4,722	4,062
TOTAL	37,058	30,892	48,030	37,434	36,554	40,706	38,449	39,985	25,293	23,180

SOURCE: Oregon Department of Agriculture

APPENDIX

1991 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 \$162 million in personal income was generated in all Oregon coastal communities as a result of commercial fishing and processing activities. 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 \$204 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 nearly 11 percent of coastal earned income in 1991. Table 1 is a summary of the personal income contribution of the industry to coastal areas and the state.

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 detailed 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, 1991. (Millions of Dollars) 1/ 2/

	Astoria and Columbia R. Area	Tillamook Area	Newport Area	Coos Bay Area	Brookings Area	All Coastal Communities	Total Statewide Impact
Oregon Landings	\$38.5	\$5.4	\$30.0	\$24.5	\$9.5	\$107.9	\$133.9
Distant Water	\$14.7	\$1.7	\$32.0	\$4.5	\$1.0	\$53.9	\$70.0
Total	\$53.2	\$7.1	\$62.0	\$29.0	\$10.5	\$161.8	\$203.9
Percent of Total Personal Income 3/	9.3%	2.2%	9.4%	3.1%	3.4%	5.8%	0.4%
Percent of Total Earned Income 4/	15.2%	4.3%	17.5%	5.4%	7.6%	10.5%	0.6%

- 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. The impacts of oyster culture and private salmon hatchery returns are not included.
- 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.