

Revised Edition

POUNDS & VALUES
Of Commercially Caught
Fish And Shellfish
Landed In Oregon
1987



OREGON DEPARTMENT OF FISH & WILDLIFE

1987

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

by

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Revised Edition

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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 1987. 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 country 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 on 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 1981 and 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 wide 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.

The shortspine thornyhead is reported by its scientific name, Sebastolobus. Prior to 1984 it was included with the reported rockfish group.

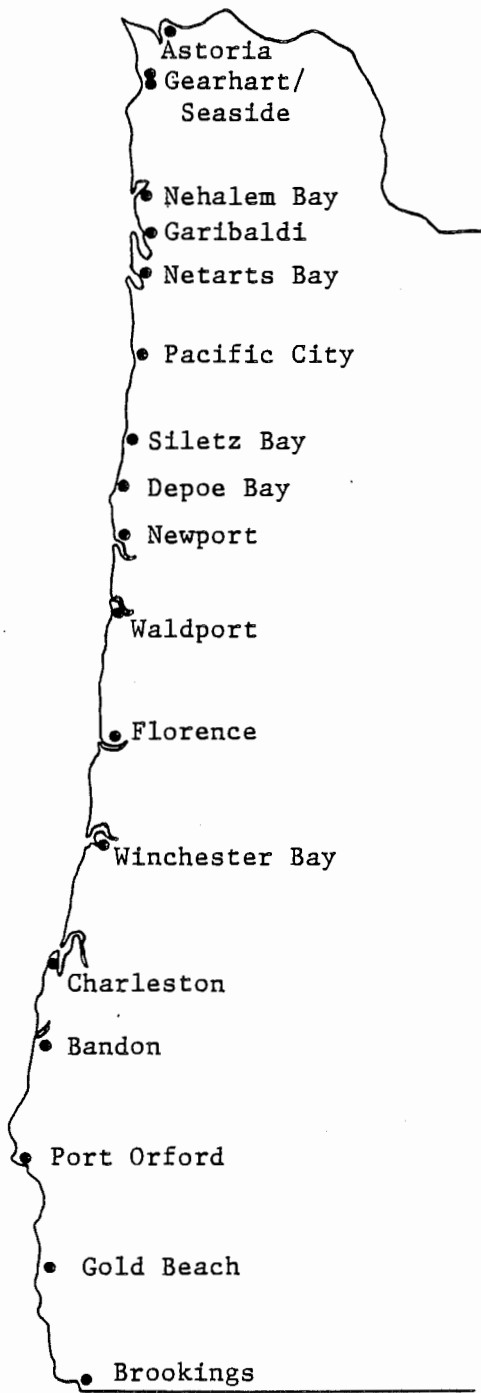


Figure 1. Oregon coastal ports

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, 1978-87) 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 1. Common and scientific names of species reported in the Oregon commercial catch.

Common Name	Scientific Name	Common Name	Scientific Name
FISHES		FISHES	
Anchovey, northern.....	<i>Engraulis mordax</i>	Steelhead.....	<i>Salmo gairdneri</i>
Bonito, Pacific.....	<i>Sarda chiliensis</i>	Sturgeon	
Cabazon.....	<i>Scorpaenichthys marmoratus</i>	Green.....	<i>Acipenser medirostris</i>
Carp.....	<i>Cyprinus carpio</i>	White.....	<i>Acipenser transmontanus</i>
Cod, Pacific.....	<i>Gadus macrocephalus</i>	Sunfish, Ocean.....	<i>Mola mola</i>
Flounder		Surfperch.....	Members of the family <i>Embiotocidae</i>
Arrowtooth.....	<i>Atheresthes stomias</i>	Thornyhead, Shortspine.....	<i>Sebastolobus elascanus</i>
Starry.....	<i>Platichthys stellatus</i>	Tomcod, Pacific.....	<i>Microgadus proximus</i>
Grenadier.....	Members of the family <i>Macrouridae</i>	Tuna	
Hake, Pacific (Whiting).....	<i>Merluccius productus</i>	Albacore.....	<i>Thunnus alalunga</i>
Hallbut, Pacific.....	<i>Hippoglossus stenolepis</i>	Bluefin.....	<i>Thunnus thynnus</i>
Herring, Pacific.....	<i>Clupea harengus pallasi</i>	Skipjack.....	<i>Euthynnus pelamis</i>
Lamprey, Pacific.....	<i>Entosphenus tridentatus</i>	Yellowfin.....	<i>Thunnus albacares</i>
Lingcod.....	<i>Ophiodon elongatus</i>	Walleye.....	<i>Stizostedion vitreum vitreum</i>
Mackerel.....	Members of the family <i>Carangidae</i> and <i>Scombridae</i>	Wolf-eel.....	<i>Anarrhichthys ocellatus</i>
Opah.....	<i>Lampris guttatus</i>	CRUSTACEANS	
Pollock, Walleye.....	<i>Theragra chalcogramma</i>	Crab	
Prickleback, Monkeyface.....	<i>Cebidichthys violaceus</i>	Box.....	<i>Lopholithodes foraminatus</i>
Rockfish		Dungeness.....	<i>Cancer magister</i>
Miscellaneous rockfish.....	<i>Sebastes</i> spp.	Rock.....	<i>Cancer productus</i>
Pacific Ocean Perch.....	<i>Sebastes alutus</i>	Tanner.....	<i>Chionoectes</i> spp.
Widow.....	<i>Sebastes entomelas</i>	Crayfish.....	<i>Pacifastacus</i> spp.
Yellowtail.....	<i>Sebastes flavidus</i>	Shrimp	
Sablefish.....	<i>Anoplopoma fimbria</i>	Brine.....	<i>Artemia salina</i>
Salmon		Ghost (Sand).....	<i>Callinassa californensis</i>
Chinook.....	<i>Oncorhynchus tshawytscha</i>	Mud.....	<i>Upogebia pugettensis</i>
Chum.....	<i>Oncorhynchus keta</i>	Pink.....	<i>Pandalus jordani</i>
Coho.....	<i>Oncorhynchus kisutch</i>	MOLLUSKS	
Pink.....	<i>Oncorhynchus gorbuscha</i>	Clam	
Sockeye.....	<i>Oncorhynchus nerka</i>	Butter.....	<i>Secidomus giganteus</i>
Sanddab, Pacific.....	<i>Citharichthys sordidus</i>	Cockle.....	<i>Clinocardium nuttallii</i>
Shad, American.....	<i>Alosa sapidissima</i>	Gaper.....	<i>Tresus capax</i>
Shark		Littleneck.....	<i>Venerupis</i> spp.
Souppin.....	<i>Galeorhinus xyopterus</i>	Razor.....	<i>Siliqua patula</i>
Spiny dogfish.....	<i>Squalus acanthias</i>	Softshell.....	<i>Mya arenaria</i>
Thresher.....	<i>Alopias vulpinus</i>	Mussel, freshwater.....	Members of the family <i>Margaritiferidae</i> & <i>Unionidae</i>
Skates and Rays.....	Members of the family <i>Rajidae</i> , <i>Rhinobatidae</i> and <i>Myliobatidae</i>	Mussel, ocean.....	<i>Mytilus</i> spp.
Smelt.....	Members of the family <i>Osmeridae</i>	Octopus.....	<i>Polypus</i> spp.
Sole		Oyster	
Butter.....	<i>Isopsetta isolepis</i>	Kumamoto.....	<i>Crassostrea gigas</i> var.
Curlfin.....	<i>Pleuronichthys decurrens</i>	Native.....	<i>Ostrea lurida</i>
Dover.....	<i>Microstomus pacificus</i>	Pacific.....	<i>Crassostrea gigas</i>
English.....	<i>Parophrys vetulus</i>	Scallop, Weathervane.....	<i>Patinopecten caurinus</i>
Flathead.....	<i>Hippoglossoides elassodon</i>	Squid.....	<i>Loligo opalescens</i>
Petrale.....	<i>Eopsetta jordani</i>	OTHER INVERTEBRATES	
Rex.....	<i>Glyptocephalus zachirus</i>	Urchin, Red sea.....	<i>Strongylocentrotus franciscanus</i>
Rock.....	<i>Lepidopsetta bilineata</i>	Worms, tube.....	<i>Serpula</i> Spp.
Sand.....	<i>Psettichthys melanostictus</i>		
Slender.....	<i>Lyopsetta exilis</i>		

Table 2. Type and number of commercial fishing licenses issued, 1978-87.

Type	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Albacore tuna landing.....	179	147	134	223	87	105	81	48	51	50
Bait fishing.....	64	66	72	112	91	96	97	106	122	111
Boat.....	4359	4263	4928	4575	4231	3966	2078	2982	3072	3109
Individual fishing.....	8566	8258	8383	8008	7449	6853	3946	5619	6330	7025
Single delivery.....	77	55	224	196	109	85	113	165	406	678
Gillnet.....	730	815	571 ^{1/}	534 ^{1/}	511 ^{1/}	475 ^{1/}	436 ^{1/}	373 ^{1/}	370 ^{1/}	370 ^{1/}
Scallop permit.....	--	--	--	196	164	144	134	113	101	103
Shrimp permit.....	--	--	373	295	268	234	209	180	173	181
Troll permit.....	--	--	4311	3926	3646	3439	3203	2993	2739	2626
Bait dealer:										
Reporting.....	49	43	55	77	45	59	67	66	71	62
Non-reporting.....	2/	2/	2/	2/	8	17	27	34	33	27
Buyer.....	96	93	84	121	119	124	78	94	122	150
Canner, fish.....	13	13	12	8	8	7	7	8	6	7
Canner, shellfish.....	3	2	3	3	3	4	3	2	2	3
Limited fish seller.....	--	--	--	--	--	--	--	2	31	37
Wholesale fish dealer:										
Reporting.....	170	187	243	229	217	221	180	181	168	168
Non-reporting.....	2/	2/	2/	2/	12	18	13	14	21	33
Private hatchery.....	2/	2/	2/	2/	7	8	8	9	7	6
Boat, lost license.....	15	16	2	--	40	28	11	18	23	30
Indiv. fishing, lost license..	59	66	21	10	55	38	11	14	18	26
Permit fisheries, lost permit.	--	--	NA	NA	NA	NA	NA	NA	NA	37
Special permit.....	214	235	129	99	115	103	107	92	73	74
TOTAL	14594	14259	19545	18612	17185	16024	10809	13113	13639	14913

1/ Gillnet permit

2/ Included with Reporting

NA - Not Available

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1978-1987.

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
FISH:										
Anchovy, northern.....	300	700	0	0	200	0	0	31	0	0
Bonita.....	0	0	0	0	0	1462	0	0	0	0
Cabezon.....	0	0	0	299	142	702	2512	5681	10963	14051
Carp.....	0	0	6362	0	0	50	0	0	0	11184
Cod, Pacific.....	931676	931704	356522	116947	260319	196644	175782	85401	67789	1468747
Flounder, arrowtooth..	380564	745000	438774	1311268	1617209	1191733	919403	1539458	1107314	1631086
Flounder, starry.....	1211186	645989	426768	889441	481812	432560	236979	789941	215869	218867
Grenadier.....	0	0	0	0	0	798	0	0	0	462
Hake, Pac. (Whiting)..	858049	304700	605298	360251	3316	142536	745561	1950069	926681	402713
Halibut, Pacific.....	62998	43448	176684	150396	234730	579560	1055044	812822	1313774	916022
Herring, Pacific.....	137231	175448	140723	148410	144970	145915	177452	163566	220300	493788
Lamprey.....	9090	8935	3233	4666	39169	4482	3391	6381	4740	5633
Lingcod.....	1180735	1805165	1662778	2307361	3213736	3830684	2344785	2320901	1444321	1589771
Mackerel.....	810	5231	20	26	83	18253	6724	13	4	3229
Opah.....	0	0	0	0	0	448	0	0	89	1727
Pollock, walleye.....	0	0	0	0	0	348	880	310	1523	0
Pricklebck, monkeyface	0	0	0	0	0	302	250	71	487	0
Pac. Oc. Perch.....	1934061 1/	4193424 1/	3615284 1/	4350997 1/	5508130 1/	5192175 1/	1576824	1554767	1385049	1048384
Nominal POP.....	2/	2/	2/	2/	2/	2/	1472712	2378182	2093582	2046590
Rockfish, widow.....	3/	3/	3/	31768970	19198987	3/	11635817	9535857	9435395	13963484
Rockfish, yellowtail..	3/	3/	3/	3/	3/	3/	3/	2985880	3667900	3700306
Rkfish, Sebastolabus...	3/	3/	3/	3/	3/	3/	1785270	2361759	1399250	1480307
Rockfish, other spp...	11559767	19194651	35173303	18321418	22031780	30291426	12231908	10033146	7912703	10037674
Sablefish.....	3816029	17024760	6025840	5166329	11220816	10234762	10666025	11624342	10261789	11551670
Salmon, chinook.....	4543434	4804950	3954327	2439675	4365148	1287328	1759165	3856605	6477211	11482797
Salmon, chum.....	13086	338	1824	11118	13964	1100	10978	3560	8287	6821
Salmon, coho.....	4148041	6160328	3255659	4156442	4204763	1300319	1183454	1822156	6936485	3058254
Salmon, pink.....	281	122324	1805	372605	0	269	0	297429	12	100463
Salmon, sockeye.....	50	10	0	0	472	2998	82495	143251	14311	124037

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1978-1987. (CONT.)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Sanddab, Pacific.....	227027	453383	356592	293589	526000	531290	614479	395496	321095	468094
Shad, American.....	671598	703166	291414	117477	435351	359719	198414	140143	343154	365482
Shark, soupfin.....	856	3049	1791	3585	11081	13905	7784	9087	7161	17511
Shark, spiny dogfish..	160326	85446	56305	10608	2090	2581	873	290	363	225
Shark, thresher.....	0	0	0	0	0	0	0	2092	935100	101664
Shark, other.....	0	0	0	1293	8213	7100	696	1616	1333	3645
States and rays.....	401579	408573	183673	85861	63889	159640	59495	11385	22767	21421
Smelt.....	7100	791228	328762	24013	55346	40343	30551	673322	36636	48725
Sole, butter.....	63498	44244	26713	22463	19178	12075	2252	707	1034	10617
Sole, curlfin (turbot)	10087	2532	1016	5105	9793	9489	6908	4518	4752	9685
Sole, Dover.....	7546417	11226910	9080509	11672995	17951407	18698513	13472731	12585063	10623952	13353184
Sole, English.....	2283864	2390661	1584178	1600095	2187335	2014645	993103	1031237	1221130	1310569
Sole, flathead.....	18127	31165	7035	11111	6524	17105	11854	32132	5556	1311
Sole, petrale.....	2246190	2330293	1890934	1948665	3323843	2435788	1517840	1273559	1568374	1884519
Sole, rex.....	1431578	1638048	1175957	1346409	1865611	1426686	1210425	874431	629946	632021
Sole, rock.....	20164	20301	28729	19871	66543	9278	4630	1424	12862	2498
Sole, sand.....	569098	769564	564653	735458	856930	696583	481734	485018	531913	500462
Sole, slender.....	64	0	25	0	0	0	0	5	0	0
Sole, miscellaneous...	19252	39777	0	0	0	0	0	0	0	0
Steelhead.....	74900	41193	29772	61060	53564	80487	562348	454332	360654	319411
Sturgeon, green.....	34995	22243	23240	9990	21219	18970	54870	31431	87823	67553
Sturgeon, white.....	181219	312161	183927	280123	236691	296648	401621	306687	485588	428330
Sunfish, ocean.....	0	0	0	0	0	244	70	0	0	0
Surfperch.....	288	2487	121	167	342	2421	4920	3314	4369	2539
Tomcod, Pacific.....	0	0	0	0	0	46	0	0	0	0
Tuna, albacore.....	11285419	3106607	3504715	7726890	1913063	3410429	1630763	1524601	2461004	2288045
Tuna, other.....	7112254	5713979	1006	0	580	177	185	0	364	13
Wolf-eel.....	688	253	690	1435	2348	6747	5067	6947	7064	9276
Wrymouth.....	0	0	0	0	0	0	0	0	0	254
Miscellaneous.....4/	122328	97253	221060	335370	1219	3	271	223	1421	3947

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1978-1987. (CONT.)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CRUSTACEANS:										
Crab, box.....	0	0	0	0	502	16207	271881	93431	3060	24
Crab, Dungeness.....	12501274	15631877	18650635	6984025	7035245	5350560	5013455	7422901	4660672	5990869
Crab, rock.....	863	2333	1788	7	0	0	1155	1552	1806	5321
Crab, Tanner.....	0	0	0	0	65	1338	0	48	0	121
Crayfish.....	11286	20663	78359	83904	155231	125519	104745	196241	217829	336279
Shrimp, brine.....	0	278	3125	3935	7100	12402	16500	20100	22400	23100
Shrimp, ghost.....	57325	46546	57888	55499	68749	69905	115699	110134	75368	52470
Shrimp, mud.....	0	0	0	0	0	0	0	4663	53232	42273
Shrimp, pink.....	56666109	29586586	30152030	25923589	18461988	6547073	4843571	14855247	33883577	44589472
MOLLUSKS:										
Clams, bay.....	215031	94912	0	0	0	0	0	0	0	0
Clams, butter.....	5/	5/	40	2409	3669	4035	4842	1646	2862	3046
Clams, cockle.....	5/	5/	2244	4580	10517	2579	17919	29412	32697	20202
Clams, gaper.....	5/	5/	73459	62142	104290	95091	50573	20121	16519	6368
Clams, littleneck.....	5/	5/	4268	4892	13265	34444	46874	46266	27573	14140
Clams, softshell.....	5/	5/	456	684	248	36	366	1809	3558	2527
Clams, razor.....	41455	36228	20291	22516	26528	100	5803	58253	2906	29197
Mussels, ocean.....	818	19068	60629	17866	18372	28267	36198	40168	37494	48903
Mussels, bay.....	0	0	0	0	0	2485	3856	0	2378	0
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	3407
Octopus.....	16122	24187	14013	14082	18597	16780	12970	7682	9540	18771
Scallops, weathervane	0	3434	0	16853845	1487941	2648965	3329234	819030	105523	13590
Squid.....	0	0	0	225	113138	297410	946725	1751773	26371	29
OTHER INVERTEBRATES:										
Sea urchins.....	0	0	0	0	0	0	0	0	55820	0
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	202799
Worms, tube.....	0	0	0	0	0	0	1333	2069	0	0
	134786587	131867733	124507246	148224452	129683351	100360962	84170994	99603185	113822428	138611976

TABLE 3A. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1978-1987. (CONT.)

1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
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- 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.
- 5/ INCLUDED IN BAY CLAMS.

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1978-1987.

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
FISH:										
Anchovy, northern.....	3	350	0	0	50	0	0	34	0	0
Bonita.....	0	0	0	0	0	504	0	0	0	0
Cabezon.....	0	43	15	76	30	183	802	1274	2271	3038
Carp.....	0	0	1289	0	0	15	0	0	0	1118
Cod, Pacific.....	186543	186806	71414	24857	62376	48830	45198	21740	18242	481583
Flounder, arrowtooth..	42819	87394	41341	119956	164932	120601	91980	154469	113258	238787
Flounder, starry.....	177352	133904	90919	198705	120726	117274	66428	224439	62831	74829
Grenadier.....	0	0	0	0	0	160	0	0	0	60
Hake, Pac. (Whiting)..	56017	19252	42156	25139	68	39486	44065	163209	59623	33054
Halibut, Pacific.....	114522	95628	152569	160251	255599	630308	802395	799284	1869505	1017882
Herring, Pacific.....	16473	73906	84435	57211	118262	78077	44299	243176	94399	236438
Lamprey.....	1364	2681	970	2008	26681	582	856	2233	1659	5633
Lingcod.....	244034	428971	377296	512504	767717	953314	585556	604400	443023	602693
Mackerel.....	71	786	10	2	21	7796	671	1	1	535
Opah.....	0	0	0	0	0	90	0	0	36	777
Pollock, walleye.....	0	0	0	0	0	35	221	62	61	0
Prickleback, monkeyface	0	0	0	0	0	50	45	13	104	0
Pac. Oc. Perch.....	349778 1/	838972 1/	641488 1/	696320 1/	1032197 1/	1110487 1/	365189	393053	384223	348283
Nominal POP.....	2/	2/	2/	2/	2/	2/	306783	553919	549627	628299
Rockfish, widow.....	3/	3/	3/	4062242	3059712	3/	2669442	2370142	2572719	4479950
Rockfish, yellowtail..	3/	3/	3/	3/	3/	3/	3/	757761	1032689	1195564
Rkfsh, Sebastolobus...	3/	3/	3/	3/	3/	3/	423301	590471	395154	482735
Rockfish, other spp...	2154468	3872098	5275650	2935590	4165621	6040081	2887349	2595437	2324962	3472619
Sablefish.....	1152911	6652072	1058227	1074003	2465880	2213240	2213122	3334997	3600071	5084185
Salmon, chinook.....	6404489	9044905	6720957	4829927	7608117	1883384	3055784	6739449	8264478	21496898
Salmon, chum.....	11868	252	1251	6869	7250	581	5770	1278	3014	6412
Salmon, coho.....	5213575	11752416	3774321	5909667	4739763	1091541	1384676	1794040	6708735	4911333
Salmon, pink.....	182	90679	1366	272840	0	174	0	168007	6	69432
Salmon, sockeye.....	51	7	0	0	702	2021	90866	154038	16447	186607

TABLE 3B. ESTIMATED VALUE (%), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1978-1987. (CONT).

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Sanddab, Pacific.....	50837	124948	99256	78901	156212	169939	200896	120456	110051	171223
Shad, American.....	138686	202053	61251	28035	155335	73453	44959	26161	66775	72841
Shark, soupfin.....	327	924	769	1216	4224	6579	4505	4536	5129	12203
Shark, spiny dogfish..	9036	5878	3907	734	171	190	69	29	104	83
Shark, thresher.....	0	0	0	0	0	0	0	2092	585070	155758
Shark, other.....	0	0	0	658	4815	3603	530	792	911	2887
Skates and rays.....	26577	36917	15806	6747	15818	33112	10316	2694	5991	6714
Smelt.....	703	68684	27345	2508	7694	10123	8710	97504	8930	12357
Sole, butter.....	11523	9426	5766	4240	4246	2685	470	172	216	2650
Sole, curlfin (turbot)	1512	774	350	1962	2988	2889	1929	1480	1635	3220
Sole, Dover.....	1524571	2416047	1830109	2568746	4190843	4227393	3193069	3159418	2826414	4183821
Sole, English.....	537988	663376	433616	462755	700883	650712	319919	342424	439679	533197
Sole, flathead.....	4723	8128	1267	3094	2040	5459	3861	10588	1977	494
Sole, petrale.....	853654	1038031	874186	1027317	2060523	1697737	1092768	935803	1198068	1552777
Sole, rex.....	334819	473051	350410	403710	600783	466922	401039	291065	225847	248298
Sole, rock.....	4172	6966	10585	6878	22246	2834	1435	389	4455	1061
Sole, sand.....	180662	295410	220556	340389	447093	414482	295969	305618	346481	366779
Sole, slender.....	12	0	5	0	0	0	0	2	0	0
Sole, miscellaneous...	3381	8378	0	0	0	0	0	0	0	0
Steelhead.....	83258	57568	34558	74704	59320	62006	590768	212324	199113	351209
Sturgeon, green.....	10072	12069	10205	4222	7881	7478	25092	14946	44021	34320
Sturgeon, white.....	113478	359422	188454	291297	250871	335821	548390	447939	771369	714606
Sunfish, ocean.....	0	0	0	0	0	49	14	0	0	0
Surfperch.....	48	279	121	93	80	1286	2311	1963	2177	1748
Tomcod, Pacific.....	0	0	0	0	0	9	0	0	0	0
Tuna, albacore.....	7414394	2113208	2745478	6678117	1265387	1881210	884510	814322	919763	1675345
Tuna, other.....	2905498	2542568	584	0	243	89	184	0	125	9
Wolf-eel.....	67	56	690	1435	563	1262	1696	1485	1765	2304
Wrymouth.....	0	0	0	0	0	0	0	0	0	95
Miscellaneous..... 4/	3670	3064	0	134	1615	1	130	14	2665	13541

TABLE 3B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1978-1987. (CONT).

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CRUSTACEANS:										
Crab, box.....	0	0	0	0	294	10828	153622	46588	1530	10
Crab, Dungeness.....	9599007	11626124	12373341	6712248	7550695	7934349	7758923	10740671	6588472	8351876
Crab, rock.....	86	556	1788	7	0	0	1155	1552	1806	5321
Crab, Tanner.....	0	0	0	0	39	1552	0	17	0	242
Crayfish.....	9723	22555	68630	97858	166362	128710	108999	201763	225533	470458
Shrimp, brine.....	0	84	3749	4330	8520	17115	24750	11250	22395	34650
Shrimp, ghost.....	35912	85217	95385	66677	71728	51175	107897	237379	151555	135904
Shrimp, mud.....	0	0	0	0	0	0	0	12782	185811	64882
Shrimp, pink.....	14902939	11339584	16683901	13042627	9288864	4656160	2148029	5241302	18104562	30272202
MOLLUSKS:										
Clams, bay.....	42521	29811	0	0	0	0	0	0	0	0
Clams, butter.....	5/	5/	37	663	1175	1642	1967	715	1368	1422
Clams, cockle.....	5/	5/	804	1137	2615	861	7686	11734	12839	5704
Clams, gaper.....	5/	5/	22041	21369	34852	29477	15804	5492	3487	1573
Clams, littleneck.....	5/	5/	3841	5193	14268	36620	48320	45219	28352	15716
Clams, softshell.....	5/	5/	311	403	166	36	185	705	2672	524
Clams, razor.....	39339	41961	26630	34967	42807	189	10417	114989	6058	64172
Mussels, ocean.....	257	9469	22289	15642	24911	17116	31168	30161	33377	26478
Mussels, bay.....	0	0	0	0	0	55	3605	0	666	0
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	954
Octopus.....	6360	10171	6180	6254	8354	7065	5924	4151	5861	14199
Scallops, weathervane	0	593	0	4671448	427292	778781	1017784	327922	47588	6406
Squid.....	0	0	0	45	9117	79901	199941	318577	2684	3
OTHER INVERTEBRATES:										
Sea urchins.....	0	0	0	0	0	0	0	0	14707	0
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	51360
Worms, tube.....	0	0	0	0	0	0	667	535	0	0
TOTAL	54976332	66894472	54559875	57556927	52209637	38147769	34365180	45814646	61727192	94702340

TABLE 3B. ESTIMATED VALUE (1), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1978-1987. (CONT).

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
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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.

5/ INCLUDED IN BAY CLAMS.

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1987.

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD	OTHER 2/		TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
FISH:															
Cabezon.....	0	0	351	565	8362	632	0	0	161	0	3945	0	35	0	14051
Carp.....	0	0	0	0	0	0	0	0	0	0	0	0	0	11184	11184
Cod, Pacific.....	0	746041	41081	0	107	228791	86	693	419725	0	6281	0	25942	0	1468747
Flounder, arrowtooth..	0	1238148	32723	0	115	234867	220	1405	110183	0	75	0	13350	0	1631086
Flounder, starry.....	18762	134288	100	3	185	34629	7	100	30755	0	0	0	38	0	218867
Grenadier.....	0	0	0	0	0	0	0	0	462	0	0	0	0	0	462
Hake, Pac. (Whiting)..	0	36619	923	510	17	302146	1590	6957	53841	110	0	0	0	0	402713
Halibut, Pacific.....	0	576097	2089	418	2112	257363	25	21310	35603	82	20339	0	564	0	916022
Herring, Pacific.....	0	0	319	0	0	490401	0	3068	0	0	0	0	0	0	493788
Lamprey.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5633	5633
Lingcod.....	0	517193	63899	12758	26146	269288	284	2515	454783	1460	60025	11289	170131	0	1589771
Mackerel.....	0	0	9	824	28	2150	0	0	218	0	0	0	0	0	3229
Opah.....	0	1644	0	0	0	83	0	0	0	0	0	0	0	0	1727
Pac. Oc. Perch.....	0	640196	13299	0	0	316136	0	0	78753	0	0	0	0	0	1048384
Nominal POP.....	0	283087	79176	0	0	1168850	0	575	464299	0	707	0	49896	0	2046590
Rockfish, widow.....	0	5536942	18247	231	119	7079736	0	1911	400754	0	20	0	925524	0	13963484
Rockfish, yellowtail..	0	2532017	74255	0	3	487408	0	0	516040	0	0	0	90583	0	3700306
Rkfsh, Sebastolobus...	0	195223	25393	0	0	290523	8	60	797116	0	65	0	171919	0	1480307
Rockfish, other spp...	0	3923343	434277	50998	33475	2751487	9807	9746	2319904	16727	123670	34199	330041	0	10037674
Sablefish.....	0	2832440	108626	0	1132	3724976	478318	760248	2951048	0	351925	0	342957	0	11551670
Salmon, chinook.....	5522878	90296	387465	94836	56686	1090401	398901	431605	2311056	304803	381138	9212	397809	5711	11482797
Salmon, chum.....	6809	0	0	12	0	0	0	0	0	0	0	0	0	0	6821
Salmon, coho.....	854919	57866	186921	249979	71662	522790	104078	174704	671921	77698	43970	829	32760	8157	3058254
Salmon, pink.....	12	342	5833	10614	3006	13878	908	10183	45788	5374	2783	33	1313	396	100463
Salmon, sockeye.....	124037	0	0	0	0	0	0	0	0	0	0	0	0	0	124037
Sanddab, Pacific.....	0	164807	254	0	868	91090	1536	722	207288	0	944	0	585	0	468094
Shad, American.....	318575	0	0	0	0	0	12187	34720	0	0	0	0	0	0	365482

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1987. (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
Shark, soupfin.....	0	12257	30	0	304	4119	0	43	641	0	28	0	89	0	17511
Shark, spiny dogfish..	0	0	0	0	0	198	0	0	27	0	0	0	0	0	225
Shark, thresher.....	0	86866	0	0	0	13763	0	0	1035	0	0	0	0	0	101664
Shark, other.....	0	1317	0	0	248	607	0	0	1306	0	167	0	0	0	3645
Skates and rays.....	0	4701	0	0	0	3664	0	383	12491	0	14	0	168	0	21421
Smelt.....	26746	0	0	0	0	0	0	10	0	0	0	0	21969	0	48725
Sole, butter.....	0	117	0	0	0	675	0	0	9744	0	0	0	81	0	10617
Sole, curlfin (turbot)	0	0	562	0	102	4726	0	0	4295	0	0	0	0	0	9685
Sole, Dover.....	0	3617898	289814	0	408	1302300	738	3924	7430963	0	14765	0	692374	0	13353184
Sole, English.....	0	531596	11944	0	578	198468	0	50	518721	0	23287	0	25925	0	1310569
Sole, flathead.....	0	119	1192	0	0	0	0	0	0	0	0	0	0	0	1311
Sole, petrale.....	0	723378	92618	0	160	293294	114	258	712872	0	8569	0	53256	0	1884519
Sole, rex.....	0	422478	13951	0	111	89696	720	1960	76972	0	1574	0	24559	0	632021
Sole, rock.....	0	0	0	0	0	2063	0	0	435	0	0	0	0	0	2498
Sole, sand.....	0	349910	238	0	417	63420	0	105	86048	0	0	0	324	0	500462
Steelhead.....	319411	0	0	0	0	0	0	0	0	0	0	0	0	0	319411
Sturgeon, green.....	63498	1742	0	0	0	1154	0	0	1159	0	0	0	0	0	67553
Sturgeon, white.....	422694	643	0	0	0	75	0	0	4918	0	0	0	0	0	428330
Surfperch.....	0	0	0	0	0	1115	0	0	0	0	0	0	1424	0	2539
Tuna, albacore.....	0	475505	20558	578	169	1241431	13481	73512	390772	3507	1724	0	66808	0	2288045
Tuna, other.....	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Wolf-eel.....	0	1428	177	69	1727	4378	72	0	145	0	1280	0	0	0	9276
Wrymouth.....	0	235	0	0	0	0	0	0	19	0	0	0	0	0	254
Miscellaneous.....	0	2590	0	2	0	373	0	0	11	0	971	0	0	0	3947
CRUSTACEANS:															
Crab, box.....	0	0	12	0	0	7	0	0	5	0	0	0	0	0	24
Crab, Dungeness, Bay..	0	0	264	0	0	129	3978	6719	19165	0	0	0	0	32244	62499
Crab, Dungeness, Oc...	0	1474595	297681	429	114850	1751802	234133	475386	719181	926	228747	0	630640	0	5928370

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1987. (CONT.)

SPECIES	COLUMBIA			PACIFIC CITY	DEPOE		WINCHESTER			PORT ORFORD	GOLD		OTHER 2/ LOCATIONS	TOTAL
	RIVER 1/	ASTORIA	GARIBALDI		BAY	NEWPORT	FLORENCE	BAY	CHARLESTON		BANDON	BEACH		
Crab, rock.....	0	0	0	0	0	5321	0	0	0	0	0	0	0	5321
Crab, Tanner.....	0	0	0	0	0	0	0	0	121	0	0	0	0	121
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	336279	336279
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	23100	23100
Shrimp, ghost.....	0	0	7244	18789	0	926	1561	0	894	0	0	0	23056	52470
Shrimp, mud.....	0	0	15570	0	0	12	0	0	5471	0	0	0	21220	42273
Shrimp, pink.....	0	19293505	4003689	0	0	11573825	0	29333	7808994	0	63231	0	1816895	44589472
MOLLUSKS:														
Clams, butter.....	0	0	1713	0	0	0	0	0	1333	0	0	0	0	3046
Clams, cockle.....	0	0	16460	0	0	0	0	0	3242	0	0	0	500	20202
Clams, gaper.....	0	0	890	0	0	0	0	0	5478	0	0	0	0	6368
Clams, littleneck.....	0	0	3873	0	0	0	0	0	44	0	0	0	10223	14140
Clams, softshell.....	0	0	0	0	0	1114	654	0	117	392	0	0	250	2527
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	29197	29197
Mussels, ocean.....	0	0	6820	0	0	650	412	36788	335	1800	725	0	1373	48903
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0	0	0	3407	3407
Octopus.....	0	5465	221	53	305	2588	0	0	720	0	3580	0	5839	18771
Scallops, weathervane	0	0	0	0	0	13590	0	0	0	0	0	0	0	13590
Squid.....	0	0	5	0	0	24	0	0	0	0	0	0	0	29
OTHER INVERTEBRATES:														
Sea urchins, red.....	0	0	0	0	658	113	0	0	499	0	153341	0	48188	202799
TOTAL	7678341	46512947	6260766	441668	324060	35933265	1263818	2088993	29687871	412879	1497890	55562	5941986	511930 138611976

1/ OREGON LANDINGS ONLY.

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

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

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	1300	1255	3138	3019	1202	561	493	252	372	1422	639	398	14051
Carp.....	0	0	0	0	2023	913	7216	1032	0	0	0	0	11184
Cod, Pacific.....	13479	32327	29584	66334	209785	138244	264014	177940	208042	263377	39110	26511	1468747
Flounder, arrowtooth..	49304	62191	85305	56833	119856	149721	274979	374954	259551	135265	20978	42149	1631086
Flounder, starry.....	162	774	2627	8916	35988	28161	31008	52471	25533	29221	3057	949	218867
Grenadier.....	0	0	462	0	0	0	0	0	0	0	0	0	462
Hake, Pac. (Whiting)..	0	0	0	1508	74550	28028	104175	68100	47986	42474	35892	0	402713
Halibut, Pacific.....	0	0	0	0	0	409560	289660	158672	58130	0	0	0	916022
Herring, Pacific.....	0	490363	0	319	0	1696	1067	343	0	0	0	0	493788
Lamprey.....	0	0	0	0	253	5080	300	0	0	0	0	0	5633
Lingcod.....	49779	55559	101501	97549	98405	58398	182143	190209	336262	318180	76670	25116	1589771
Mackeral.....	0	0	0	0	0	0	1222	1841	137	29	0	0	3229
Opah.....	0	0	0	0	0	0	1157	0	570	0	0	0	1727
Pac. Oc. Perch.....	91708	112368	93131	93572	98613	80406	91749	118620	104734	99602	39140	24741	1048384
Nominal POP.....	286600	214410	170236	80163	131483	125324	158989	143758	227930	373878	92517	41302	2046590
Rockfish, widow.....	1945262	2216829	1875844	1376430	752320	663726	755766	1371741	2088129	863651	53786	0	13963484
Rockfish, yellowtail..	288813	337442	506013	409991	377462	212397	300434	296042	360590	434722	145605	30795	3700306
Rkfsh, Sebastolobus...	154034	208036	143374	149268	136703	71964	108142	87121	153762	165870	41238	60795	1480307
Rockfish, other spp...	384634	561025	543515	967415	1117798	566577	969251	930038	1561782	1785432	397454	252753	10037674
Sablefish.....	394583	460709	519144	812164	1279185	1216295	1629125	1477908	2343372	1388247	26312	4626	11551670
Salmon, chinook.....	127	131163	31978	0	465331	633785	3116954	1316285	5348776	394510	43888	0	11482797
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2700	4121	0	6821
Salmon, coho.....	0	0	0	0	0	26536	1631486	412236	719332	246622	22042	0	3058254
Salmon, pink.....	0	0	0	0	187	1054	95997	3119	97	9	0	0	100463
Salmon, sockeye.....	0	0	0	0	0	76679	47358	0	0	0	0	0	124037
Sanddab, Pacific.....	21600	22792	64156	47017	46287	36862	60994	50583	48653	51312	7965	9873	468094
Shad, American.....	0	0	0	0	132449	229963	3070	0	0	0	0	0	365482
Shark, soupfin.....	282	368	88	28	110	368	14204	1281	74	220	338	150	17511
Shark, spiny dogfish..	0	0	6	0	0	3	7	0	0	52	130	27	225

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1987. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, thresher.....	0	0	0	0	0	0	55684	22958	18638	4384	0	0	101664
Shark, other.....	0	22	58	102	51	527	2258	272	259	67	0	29	3645
States and rays.....	864	907	1695	6413	3351	2746	3869	1131	375	10	0	60	21421
Smelt.....	647	45517	2551	0	0	10	0	0	0	0	0	0	48725
Sole, butter.....	66	0	0	325	1023	1535	2665	2542	1789	22	562	88	10617
Sole, curlfin (turbot)	227	554	76	494	298	1791	1258	2481	1350	39	881	236	9685
Sole, Dover.....	1152659	1046510	1399952	1057274	716343	402988	934761	1042813	1770033	2110875	878215	840761	13353184
Sole, English.....	55781	38328	33487	49851	104765	113975	285054	139821	185632	198033	48583	57259	1310569
Sole, flathead.....	0	0	0	0	0	76	196	329	539	171	0	0	1311
Sole, petrale.....	523896	249869	45129	42460	42754	50822	127264	84005	81171	148979	131908	356262	1884519
Sole, rex.....	27172	33121	19493	31327	43523	51570	81052	70226	97397	131544	22763	22833	632021
Sole, rock.....	10	64	0	0	211	732	14	142	327	110	644	244	2498
Sole, sand.....	5452	1018	30033	54757	76675	53962	85212	111657	40702	35990	3568	1436	500462
Steelhead.....	0	8516	6470	0	0	5025	15654	92079	160992	30675	0	0	319411
Sturgeon, green.....	99	83	159	300	1524	994	504	49810	12670	959	157	294	67553
Sturgeon, white.....	9966	78624	42331	6491	920	6367	14005	129156	76473	42690	20532	775	428330
Surfperch.....	0	188	794	297	2	192	557	460	26	0	18	5	2539
Tuna, albacore.....	0	0	0	0	0	0	8967	691826	1382795	202986	1471	0	2288045
Tuna, other.....	0	0	0	0	0	0	13	0	0	0	0	0	13
Wolf-eel.....	14	72	795	950	1415	1477	1904	1492	820	315	14	8	9276
Wrymouth.....	0	0	0	0	25	179	30	14	0	6	0	0	254
Miscellaneous.....	1	20	71	9	7	7	2535	228	662	377	10	20	3947
CRUSTACEANS:													
Crab, box.....	16	0	0	8	0	0	0	0	0	0	0	0	24
Crab, Dungeness, Bay..	966	242	145	48	58	91	0	0	9873	27339	21062	2675	62499
Crab, Dungeness, Oc...	715540	335897	170962	175181	149421	89247	147485	82293	0	0	0	4062344	5928370
Crab, rock.....	87	430	543	1214	502	301	53	627	599	157	360	448	5321
Crab, Tanner.....	121	0	0	0	0	0	0	0	0	0	0	0	121
Crayfish.....	0	0	0	17792	33200	65240	87348	59603	50587	22509	0	0	336279

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1987. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, brine.....	0	0	0	0	3700	8700	10700	0	0	0	0	0	23100
Shrimp, ghost.....	2186	1843	3049	3655	5606	5297	5705	5526	6353	4592	5094	3564	52470
Shrimp, mud.....	6652	7299	5431	2912	1621	1477	926	1285	1720	2145	4323	6482	42273
Shrimp, pink.....	0	0	0	9438560	6557797	6474421	7375322	4776575	5134686	4832111	0	0	44589472
HOLLUSKS:													
Clams, butter.....	0	191	0	496	769	424	149	398	262	158	146	53	3046
Clams, cockle.....	4431	2550	600	751	1706	3089	372	720	0	379	4354	1250	20202
Clams, gaper.....	0	0	0	0	0	0	680	990	1788	1968	654	280	6368
Clams, littleneck.....	603	311	244	1237	1222	2202	2663	2193	1760	1274	431	0	14140
Clams, softshell.....	0	132	184	30	149	379	173	445	380	291	187	177	2527
Clams, razor.....	178	499	2875	5589	5693	5693	1545	0	3320	2352	867	586	29197
Mussels, ocean.....	3203	5505	4008	1446	3042	5705	2110	3610	7249	5243	4037	3745	48903
Mussels, freshwater...	0	0	0	0	0	0	0	3407	0	0	0	0	3407
Octopus.....	1566	1317	1103	685	1108	1143	1803	2020	1067	723	164	6072	18771
Scallops, weathervane	0	12712	878	0	0	0	0	0	0	0	0	0	13590
Squid.....	0	5	0	0	0	0	0	0	0	0	0	24	29
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	1564	470	14887	19325	7138	258	5854	29636	73864	35804	13999	202799
TOTAL	6194070	6781521	5943688	15086067	12857796	12127823	19401708	14623542	22975744	14480132	2237691	5902194	138611976

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1987. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Flounder, starry.....	0	447	198	0	0	0	0	7710	7753	2247	407	0	18762
Salmon, chinook.....	127	131163	29501	0	0	430	52	199573	3667031	155951	12244	0	4196072
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2688	4121	0	6809
Salmon, coho.....	0	0	0	0	0	0	0	1794	580107	245716	22042	0	849659
Salmon, pink.....	0	0	0	0	0	0	0	0	3	9	0	0	12
Salmon, sockeye.....	0	0	0	0	0	49848	16989	0	0	0	0	0	66837
Shad, American.....	0	0	0	0	99582	214053	0	0	0	0	0	0	313635
Smelt.....	0	26305	441	0	0	0	0	0	0	0	0	0	26746
Steelhead.....	0	0	0	0	0	0	0	0	10	0	0	0	10
Sturgeon, green.....	0	83	30	0	0	658	0	49571	12569	539	48	0	63498
Sturgeon, white.....	9229	22772	6545	0	0	318	35	77614	50119	25124	14554	0	206310
TOTAL	9356	180770	36715	0	99582	265307	17076	336262	4317592	432274	53416	0	5748350
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	2477	0	0	2833	3460	168558	1097852	51626	0	0	1326806
Salmon, coho.....	0	0	0	0	0	0	0	203	4151	906	0	0	5260
Salmon, sockeye.....	0	0	0	0	0	26831	30369	0	0	0	0	0	57200
Shad, American.....	0	0	0	0	0	1870	3070	0	0	0	0	0	4940
Steelhead.....	0	8516	6470	0	0	5025	15654	92079	160982	30675	0	0	319401
Sturgeon, white.....	737	55852	35743	5937	0	5046	11695	51268	26159	17174	5978	775	216384
TOTAL	737	64368	44690	5937	0	41605	64248	312128	1289144	100381	5978	775	1929991
TOTAL	10093	245138	81405	5937	99582	306912	81324	648390	5606736	532655	59394	775	7678341

1/ OREGON LANDINGS ONLY.

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1987. 1 / 2 /

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	10716	8180	5246	40036	60637	93581	149902	90789	95873	152783	23814	14484	746041
Flounder, arrowtooth..	43441	51304	80511	42495	77081	124395	215638	299706	184585	82893	14977	21122	1238148
Flounder, starry.....	100	155	2124	7421	30108	19157	19750	28057	8983	17211	1222	0	134288
Hake, Pac. (Whiting)..	0	0	0	0	4295	3708	6826	21790	0	0	0	0	36619
Halibut, Pacific.....	0	0	0	0	0	336931	22364	158672	58130	0	0	0	576097
Lingcod.....	15778	15513	15501	13238	20184	29449	64091	134939	121429	62734	21407	2930	517193
Opah.....	0	0	0	0	0	0	1074	0	570	0	0	0	1644
Pac. Oc. Perch.....	45783	41018	54425	52227	67632	55817	74359	102031	64358	43578	20944	18024	640196
Nominal POP.....	18496	14662	12958	15571	64525	21448	27123	40069	36440	24327	2758	4710	283087
Rockfish, widow.....	568996	838345	705571	554808	398325	523746	618352	684500	401181	221849	21269	0	5536942
Rockfish, yellowtail..	234959	258861	301987	279011	265534	195328	281839	262852	170849	228487	32608	19702	2532017
Rkfsh, Sebastolobus...	17292	8348	33284	32763	29101	10048	13893	21948	10726	3501	6329	7990	195223
Rockfish, other spp...	244152	177647	201694	331938	480470	315299	467753	563865	451719	505279	114204	69323	3923343
Sablefish.....	65250	61995	139034	181627	289603	354248	437582	553109	499546	250446	0	0	2832440
Salmon, chinook.....	0	0	0	0	41351	140	30166	8594	7685	2347	17	0	90296
Salmon, coho.....	0	0	0	0	0	0	53075	2656	2135	0	0	0	57866
Salmon, pink.....	0	0	0	0	0	0	342	0	0	0	0	0	342
Sanddab, Pacific.....	20258	4868	9223	26171	25006	2450	20410	10600	18544	22194	3203	1880	164807
Shark, soupfin.....	65	114	0	0	0	193	10599	1158	74	30	24	0	12257
Shark, thresher.....	0	0	0	0	0	0	42434	21410	18638	4384	0	0	86866
Shark, other.....	0	0	0	0	0	0	1070	247	0	0	0	0	1317
Skates and rays.....	0	0	309	3099	641	0	0	592	0	0	0	60	4701
Sole, butter.....	66	0	0	0	0	51	0	0	0	0	0	0	117
Sole, Dover.....	277136	230915	544028	460059	209822	192363	325812	377908	396203	328643	148326	126183	3617898
Sole, English.....	17524	8725	10347	23439	48640	52248	182574	74575	27695	64201	11783	9845	531596
Sole, flathead.....	0	0	0	0	0	76	0	43	0	0	0	0	119
Sole, petrale.....	200810	107059	19828	27963	24150	25659	58704	57601	41999	71809	23801	63995	723378
Sole, rex.....	10843	10243	7361	14947	27724	47009	69402	62523	72312	84881	9900	5333	422478
Sole, sand.....	3782	432	29045	51274	67932	39486	52164	66024	11316	27282	1123	0	349910

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1987. 1/ 2/ (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, green.....	0	0	0	146	470	302	472	213	29	110	0	0	1742
Sturgeon, white.....	0	0	43	70	0	0	390	0	0	140	0	0	643
Tuna, albacore.....	0	0	0	0	0	0	328	187443	185410	102324	0	0	475505
Tuna, other.....	0	0	0	0	0	0	13	0	0	0	0	0	13
Wolf-eel.....	0	0	0	34	251	426	193	350	174	0	0	0	1428
Wrymouth.....	0	0	0	0	6	179	30	14	0	6	0	0	235
Miscellaneous.....	0	0	0	0	0	0	2335	0	255	0	0	0	2590
CRUSTACEANS:													
Crab, Dungeness, Oc...	157245	44618	41426	28717	15980	8075	10133	3686	0	0	0	1164715	1474595
Shrimp, pink.....	0	0	0	3052561	2226352	3270956	3537173	3008400	1688828	2309235	0	0	19293505
MOLLUSKS:													
Octopus.....	51	94	89	294	553	708	1165	1634	714	63	100	0	5465
TOTAL	1952743	1883096	2214034	5239909	4476423	5723976	6799530	6847998	4776400	4610733	457809	1530296	46512947

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

2/ INCLUDES LANDINGS AT WARRENTON AND HAHNOND.

TABLE 7A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SEASIDE/GEARHART, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	811	0	30	0	0	0	841
Salmon, coho.....	0	0	0	0	0	0	2922	0	5	0	0	0	2927
Salmon, pink.....	0	0	0	0	0	0	93	0	0	0	0	0	93
MOLLUSKS:													
Clams, razor.....	178	499	2875	5589	5693	5693	1545	0	3320	2352	867	586	29197
TOTAL	178	499	2875	5589	5693	5693	5371	0	3355	2352	867	586	33058

TABLE 7B. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CANNON BEACH, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	4402	468	0	0	0	0	4870
Salmon, coho.....	0	0	0	0	0	0	4750	480	0	0	0	0	5230
Salmon, pink.....	0	0	0	0	0	0	287	16	0	0	0	0	303
TOTAL	0	0	0	0	0	0	9439	964	0	0	0	0	10403

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	15	25	0	0	50	24	34	25	173
Shrimp, ghost.....	52	58	158	334	641	522	384	328	345	369	398	0	3589
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	500	0	0	0	0	500
Clams, littleneck.....	0	0	0	305	274	2020	2481	2174	1750	1215	0	0	10223
Mussels, ocean.....	0	0	0	0	370	416	422	0	70	0	0	0	1278
TOTAL	52	58	158	639	1300	2983	3287	3002	2215	1612	432	25	15763

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	28	48	74	54	80	67	0	0	0	0	351
Cod, Pacific.....	1027	10756	3838	0	0	260	1810	2127	6951	7747	0	6565	41081
Flounder, arrowtooth..	3797	3104	552	16	113	8	1272	3764	3705	3920	1281	11191	32723
Flounder, starry.....	0	4	0	0	0	0	0	21	75	0	0	0	100
Hake, Pac. (Whiting)..	0	0	0	0	923	0	0	0	0	0	0	0	923
Halibut, Pacific.....	0	0	0	0	0	0	2089	0	0	0	0	0	2089
Herring, Pacific.....	0	0	0	319	0	0	0	0	0	0	0	0	319
Lingcod.....	7144	6681	4231	138	365	657	5603	4274	14829	9339	0	10633	63899
Mackeral.....	0	0	0	0	0	0	0	9	0	0	0	0	9
Pac. Oc. Perch.....	4327	0	0	0	64	0	0	0	3614	5294	0	0	13299
Nominal POP.....	26382	23070	8304	0	0	0	0	253	12186	7156	0	1825	79176
Rockfish, widow.....	0	3278	5544	1157	0	0	20	117	7545	586	0	0	18247
Rockfish, yellowtail..	0	5775	7015	18834	29554	11077	0	0	2000	0	0	0	74255
Rkfish, Sebastolobus...	1009	1266	1608	46	263	1302	3621	293	3629	6445	0	5911	25393
Rockfish, other spp...	3263	18185	62855	12516	16508	12907	32834	20387	69914	89058	20561	55289	434277
Sablefish.....	1133	3326	5143	1854	12456	6542	13353	9349	20971	33920	0	79	108626
Salmon, chinook.....	0	0	0	0	10591	19272	143658	95601	83518	34825	0	0	387465
Salmon, coho.....	0	0	0	0	0	0	107428	54407	25086	0	0	0	186921
Salmon, pink.....	0	0	0	0	0	0	5125	696	12	0	0	0	5833
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	254	0	0	0	254
Shark, soupfin.....	0	30	0	0	0	0	0	0	0	0	0	0	30
Sole, curlfin (turbot)	0	0	0	0	0	321	241	0	0	0	0	0	562
Sole, Dover.....	3495	10461	28399	6	6	585	9455	17813	54919	84900	11047	68728	289814
Sole, English.....	2602	1249	492	0	0	0	5	1474	2224	2524	0	1374	11944
Sole, flathead.....	0	0	0	0	0	0	196	286	539	171	0	0	1192
Sole, petrale.....	26293	10652	3222	0	0	0	130	394	1348	5432	1695	43452	92618
Sole, rex.....	1303	2358	1155	0	0	0	239	996	923	2755	0	4222	13951
Sole, sand.....	0	0	0	0	0	0	38	0	200	0	0	0	238
Tuna, albacore.....	0	0	0	0	0	0	0	12867	7691	0	0	0	20558

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GARIBALDI, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Wolf-eel.....	0	0	0	0	0	114	63	0	0	0	0	0	177
CRUSTACEANS:													
Crab, box.....	4	0	0	8	0	0	0	0	0	0	0	0	12
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	0	170	84	10	264
Crab, Dungeness, Oc...	49291	24996	17632	9570	21317	13827	23208	7470	0	0	0	130370	297681
Shrimp, ghost.....	260	214	805	555	922	1279	1345	1053	530	281	0	0	7244
Shrimp, mud.....	2775	2550	3069	1355	0	0	0	350	277	399	1768	3027	15570
Shrimp, pink.....	0	0	0	530058	675208	730484	686311	428580	546633	404415	0	0	4003689
MOLLUSKS:													
Clams, butter.....	0	191	0	94	709	347	149	148	0	0	75	0	1713
Clams, cockle.....	2561	2115	0	751	1386	3069	372	220	0	379	4317	1250	16460
Clams, gaper.....	0	0	0	0	0	0	185	705	0	0	0	0	890
Clams, littleneck.....	603	311	244	898	948	182	182	19	10	45	431	0	3873
Mussels, ocean.....	0	0	461	461	175	281	452	1840	1450	1200	500	0	6820
Octopus.....	0	50	105	30	36	0	0	0	0	0	0	0	221
Squid.....	0	5	0	0	0	0	0	0	0	0	0	0	5
OTHER INVERTEBRATES:													
TOTAL	137289	130627	154702	578714	771618	802588	1039469	666080	891033	702961	41759	343926	6260766

TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1987

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	166	78	0	244
Shrimp, ghost.....	0	0	25	83	92	66	0	0	0	0	0	0	271
Shrimp, mud.....	1297	2319	2006	1452	1617	1475	926	935	1436	1746	2555	3449	21213
TOTAL	1297	2319	2031	1540	1709	1541	926	935	1436	1912	2633	3449	21728

TABLE 11. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PACIFIC CITY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	12	34	137	173	33	86	16	35	39	0	565
Flounder, starry.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Hake, Pac. (Whiting)...	0	0	0	0	0	0	0	477	33	0	0	0	510
Halibut, Pacific.....	0	0	0	0	0	0	418	0	0	0	0	0	418
Lingcod.....	0	0	981	507	3431	2663	2001	1168	495	837	650	29	12758
Mackerel.....	0	0	0	0	0	0	619	205	0	0	0	0	824
Rockfish, widow.....	0	0	0	0	0	231	0	0	0	0	0	0	231
Rockfish, other spp....	0	0	1275	5549	13531	7831	8842	9664	3987	223	76	20	50998
Salmon, chinook.....	0	0	0	0	59	282	28052	39776	11262	15405	0	0	94836
Salmon, chum.....	0	0	0	0	0	0	0	0	0	12	0	0	12
Salmon, coho.....	0	0	0	0	0	0	163159	80299	6521	0	0	0	249979
Salmon, pink.....	0	0	0	0	0	0	9765	809	40	0	0	0	10614
Tuna, albacore.....	0	0	0	0	0	0	0	0	578	0	0	0	578
Wolf-eel.....	0	0	0	0	20	6	30	13	0	0	0	0	69
Miscellaneous.....	0	0	0	0	0	0	0	2	0	0	0	0	2
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	115	215	99	0	0	0	0	429
Shrimp, ghost.....	890	505	740	639	1582	1584	2202	2408	3130	2231	1742	1136	18789
MOLLUSKS:													
Octopus.....	0	0	0	0	20	11	0	0	0	22	0	0	53
TOTAL	890	505	3008	6729	18780	12896	215336	135009	26062	18761	2507	1185	441668

TABLE 12. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SILETZ BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	17	37	43	70	61	69	82	66	82	41	19	12	599
TOTAL	17	37	43	70	61	69	82	66	82	41	19	12	599

TABLE 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEPOE BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	1178	1102	2528	1827	691	241	177	52	49	27	219	271	8362
Cod, Pacific.....	0	0	0	107	0	0	0	0	0	0	0	0	107
Flounder, arrowtooth..	0	0	0	110	0	0	5	0	0	0	0	0	115
Flounder, starry.....	0	0	3	179	0	0	3	0	0	0	0	0	185
Hake, Pac. (Whiting)..	0	0	0	0	0	0	17	0	0	0	0	0	17
Halibut, Pacific.....	0	0	0	0	0	0	2112	0	0	0	0	0	2112
Lingcod.....	1382	2965	10738	3619	1076	234	415	679	1739	2712	235	352	26146
Hackeral.....	0	0	0	0	0	0	11	8	9	0	0	0	28
Rockfish, widow.....	0	0	0	0	45	9	65	0	0	0	0	0	119
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	3	0	0	0	3
Rockfish, other spp...	1019	1449	5850	5714	11542	979	2398	677	1455	2012	373	7	33475
Sablefish.....	0	0	0	4	0	0	1128	0	0	0	0	0	1132
Salmon, chinook.....	0	0	0	0	5040	3246	24522	6515	13358	4005	0	0	56686
Salmon, coho.....	0	0	0	0	0	0	61181	4507	5974	0	0	0	71662
Salmon, pink.....	0	0	0	0	0	0	2951	48	7	0	0	0	3006
Sanddab, Pacific.....	0	0	38	830	0	0	0	0	0	0	0	0	868
Shark, soupfin.....	95	80	32	0	0	0	97	0	0	0	0	0	304
Shark, other.....	0	0	58	0	0	88	47	0	55	0	0	0	248
Sole, curlfin (turbot)	0	0	0	102	0	0	0	0	0	0	0	0	102
Sole, Dover.....	0	0	0	408	0	0	0	0	0	0	0	0	408
Sole, English.....	0	0	17	561	0	0	0	0	0	0	0	0	578
Sole, petrale.....	0	0	3	153	0	0	4	0	0	0	0	0	160
Sole, rex.....	0	0	18	93	0	0	0	0	0	0	0	0	111
Sole, sand.....	0	0	0	417	0	0	0	0	0	0	0	0	417
Tuna, albacore.....	0	0	0	0	0	0	0	0	169	0	0	0	169
Wolf-eel.....	14	0	477	489	480	144	57	44	22	0	0	0	1727
CRUSTACEANS:													
Crab, Dungeness, Oc...	19118	17967	8675	11828	8800	6167	1112	1411	0	0	0	39772	114850

TABLE 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEFOE BAY, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	172	47	0	0	0	0	0	0	0	0	0	86	305
OTHER INVERTEBRATES:													
Sea urchins.....	0	0	0	0	0	0	258	0	0	400	0	0	658
TOTAL	22978	23610	28437	26441	27674	11108	96560	13941	22840	9156	827	40488	324060

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabazon.....	14	49	160	65	101	32	123	41	27	2	6	12	632
Cod, Pacific.....	1024	3816	949	2521	52623	27964	43321	34162	24578	34271	2054	1488	228791
Flounder, arrowtooth..	1562	5143	814	8536	27908	21375	44236	40863	42853	34235	826	6516	234867
Flounder, starry.....	0	27	65	815	650	2226	1218	11228	6556	9479	1416	949	34629
Hake, Pac. (Whiting)..	0	0	0	0	64524	0	81972	45833	33230	40695	35892	0	302146
Halibut, Pacific.....	0	0	0	0	0	72629	184754	0	0	0	0	0	257383
Herring, Pacific.....	0	490363	0	0	0	0	21	17	0	0	0	0	490401
Lingcod.....	17489	11111	19047	19781	29273	8757	44579	19226	34538	57276	5374	2337	269288
Mackerel.....	0	0	0	0	0	0	499	1614	32	5	0	0	2150
Opah.....	0	0	0	0	0	0	83	0	0	0	0	0	83
Pac. Oc. Perch.....	32624	65198	32679	33764	13000	14172	12698	15190	34300	40537	15257	6717	316136
Nominal POP.....	211046	155953	102631	35497	23905	41546	68067	69405	115429	279326	58986	7059	1168850
Rockfish, widow.....	1215785	1273905	1077840	628927	233607	19266	26267	557634	1400821	613201	27483	0	7079736
Rockfish, yellowtail..	32461	61053	102808	86331	53976	2048	13165	4726	53340	51661	25585	254	487408
Rkfish, Sebastolobus...	28154	42962	20342	49699	21656	19055	18791	15700	22284	37306	5064	9510	290523
Rockfish, other spp...	71940	191292	156855	447331	335145	92051	228613	178918	411024	497676	82992	57650	2751487
Sablefish.....	120690	154435	157075	292468	362306	463425	520405	362938	712557	546940	11677	0	3724976
Salmon, chinook.....	0	0	0	0	115175	82651	433618	271048	123256	64653	0	0	1090401
Salmon, coho.....	0	0	0	0	0	0	378713	118250	25827	0	0	0	522790
Salmon, pink.....	0	0	0	0	14	3	12995	855	11	0	0	0	13878
Sanddab, Pacific.....	21	2529	2585	4783	5100	2937	6724	11835	18919	26454	4210	4993	91090
Shark, soupfin.....	105	101	48	28	74	124	3417	123	0	65	34	0	4119
Shark, spiny dogfish..	0	0	6	0	0	3	7	0	0	52	130	0	198
Shark, thresher.....	0	0	0	0	0	0	13063	700	0	0	0	0	13763
Shark, other.....	0	0	0	0	5	0	602	0	0	0	0	0	607
Skates and rays.....	622	719	23	690	190	187	974	0	249	10	0	0	3664
Sole, butter.....	0	0	0	0	3	0	0	0	0	22	562	88	675
Sole, curlfin (turbot)	0	492	66	131	168	161	623	1031	378	39	881	236	4726
Sole, Dover.....	91108	77139	23696	88845	48022	35815	99695	121904	171231	414254	78433	53958	1302300

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, English.....	4719	4874	3138	1960	10890	13128	20305	24945	42704	45483	11971	14351	198468
Sole, petrale.....	73320	56851	3325	2666	10703	7897	37487	16072	20884	34703	6041	23345	293294
Sole, rex.....	2869	6967	2301	4989	3770	1906	5150	5666	12673	31067	5628	4690	89696
Sole, rock.....	10	64	0	0	25	687	14	142	123	110	644	244	2063
Sole, sand.....	748	132	553	545	1141	7571	15786	14492	13166	5405	2445	1436	63420
Sturgeon, green.....	32	0	76	56	113	34	32	26	72	310	109	294	1154
Sturgeon, white.....	0	0	0	75	0	0	0	0	0	0	0	0	75
Surfperch.....	0	3	0	38	2	6	557	460	26	0	18	5	1115
Tuna, albacore.....	0	0	0	0	0	0	738	285758	908863	44601	1471	0	1241431
Wolf-eel.....	0	38	119	172	275	660	1443	998	537	128	0	8	4378
Miscellaneous.....	1	11	11	9	0	7	196	84	14	10	10	20	373
CRUSTACEANS:													
Crab, box.....	7	0	0	0	0	0	0	0	0	0	0	0	7
Crab, Dungeness, Bay..	0	14	18	4	43	33	0	0	0	0	0	17	129
Crab, Dungeness, Oc...	203940	91574	25321	26568	29127	22652	26401	10246	0	0	0	1315973	1751802
Crab, rock.....	87	430	543	1214	502	301	53	627	599	157	360	448	5321
Shrimp, ghost.....	4	12	35	190	125	248	290	0	5	4	10	3	926
Shrimp, mud.....	0	0	0	0	4	2	0	0	0	0	0	6	12
Shrimp, pink.....	0	0	0	2549723	2019775	1529235	1631470	901625	1614080	1327917	0	0	11573825
MOLLUSKS													
Clams, softshell.....	0	0	0	0	117	269	0	0	330	291	107	0	1114
Mussels, ocean.....	0	250	0	0	0	0	0	0	0	0	400	0	650
Octopus.....	582	136	409	141	124	228	141	76	201	203	0	347	2588
Scallops, weathervane	0	12712	878	0	0	0	0	0	0	0	0	0	13590
Squid.....	0	0	0	0	0	0	0	0	0	0	0	24	24
OTHER INVERTEBRATES.													
Sea urchins, red.....	0	0	0	0	0	0	0	113	0	0	0	0	113
TOTAL	2110964	2717375	1734416	4286562	3464181	2491371	3979506	3164571	5846217	4238548	386576	1512978	35923265

TABLE 15. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WALDPART, 1987.

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	3984	15836	11288	719	31827
Shrimp, ghost.....	926	947	1067	1558	1678	1144	982	1384	2101	1568	2789	2413	18597
Shrimp, mud.....	0	0	0	0	0	0	0	0	7	0	0	0	7
MOLLUSKS:													
Clams, softshell.....	0	26	60	0	0	50	50	40	0	0	30	0	250
Mussels, ocean.....	20	0	0	0	0	0	0	0	75	0	0	0	95
TOTAL	946	967	1147	1558	1678	1194	1032	1424	6167	17424	14107	3132	50776

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	0	0	86	0	0	0	0	0	0	0	0	86
Flounder, arrowtooth..	0	0	0	220	0	0	0	0	0	0	0	0	220
Flounder, starry.....	0	0	0	0	7	0	0	0	0	0	0	0	7
Hake, Pac. (Whiting)..	0	0	0	1508	0	0	0	0	82	0	0	0	1590
Halibut, Pacific.....	0	0	0	0	0	0	25	0	0	0	0	0	25
Lingcod.....	0	0	0	48	82	46	27	44	37	0	0	0	284
Rkfsh, Sebastolobus...	0	0	0	0	0	0	8	0	0	0	0	0	8
Rockfish, other spp...	0	0	2722	5445	155	151	509	28	220	577	0	0	9807
Sablefish.....	0	0	851	31021	66010	42351	61296	39511	165207	72071	0	0	478318
Salmon, chinook.....	0	0	0	0	27010	64253	224291	62967	13355	7025	0	0	398901
Salmon, coho.....	0	0	0	0	0	0	82341	19741	1996	0	0	0	104078
Salmon, pink.....	0	0	0	0	0	2	890	16	0	0	0	0	908
Sanddab, Pacific.....	0	0	0	1515	0	0	0	0	0	21	0	0	1536
Shad, American.....	0	0	0	0	5257	6930	0	0	0	0	0	0	12187
Sole, Dover.....	0	0	0	738	0	0	0	0	0	0	0	0	738
Sole, petrale.....	0	0	0	114	0	0	0	0	0	0	0	0	114
Sole, rex.....	0	0	0	720	0	0	0	0	0	0	0	0	720
Tuna, albacore.....	0	0	0	0	0	0	0	2126	11355	0	0	0	13481
Wolf-eel.....	0	0	0	0	65	7	0	0	0	0	0	0	72
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	2052	1926	0	0	3978
Crab, Dungeness, Oc...	11848	12063	5486	10329	11284	9178	8052	9002	0	0	0	156891	234133
Shrimp, ghost.....	37	70	156	221	505	363	202	7	0	0	0	0	1561
MOLLUSKS:													
Clams, softshell.....	0	68	124	30	32	60	100	190	50	0	0	0	654
Mussels, ocean.....	0	0	0	0	0	412	0	0	0	0	0	0	412
TOTAL	11885	12201	9339	51995	110407	123753	377741	133632	194354	81620	0	156891	1263818

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	238	323	0	0	0	0	0	0	132	0	0	693
Flounder, arrowtooth..	0	233	74	0	0	0	1098	0	0	0	0	0	1405
Flounder, starry.....	0	6	94	0	0	0	0	0	0	0	0	0	100
Hake, Pac. (Whiting)..	0	0	0	0	0	0	194	0	6763	0	0	0	6957
Halibut, Pacific.....	0	0	0	0	0	0	21310	0	0	0	0	0	21310
Herring, Pacific.....	0	0	0	0	0	1696	1046	326	0	0	0	0	3068
Lingcod.....	0	0	126	0	31	17	1048	0	213	944	136	0	2515
Nominal POP.....	0	516	59	0	0	0	0	0	0	0	0	0	575
Rockfish, widow.....	0	0	0	0	0	0	1911	0	0	0	0	0	1911
Rifsh, Sebastolobus...	0	0	60	0	0	0	0	0	0	0	0	0	60
Rockfish, other spp...	0	1125	620	0	1108	49	2321	106	3095	1167	155	0	9746
Sablefish.....	0	10090	14443	20402	32923	145949	141611	157597	217516	19717	0	0	760248
Salmon, chinook.....	0	0	0	0	33160	52535	296564	33737	12709	2900	0	0	431605
Salmon, coho.....	0	0	0	0	0	37	155719	14491	4457	0	0	0	174704
Salmon, pink.....	0	0	0	0	12	0	10146	20	5	0	0	0	10183
Sanddab, Pacific.....	0	330	230	0	0	0	0	0	0	162	0	0	722
Shad, American.....	0	0	0	0	27610	7110	0	0	0	0	0	0	34720
Shark, soupfin.....	0	0	0	0	0	0	43	0	0	0	0	0	43
Skates and rays.....	0	64	319	0	0	0	0	0	0	0	0	0	383
Smelt.....	0	0	0	0	0	10	0	0	0	0	0	0	10
Sole, Dover.....	0	2525	1130	0	0	0	165	0	0	104	0	0	3924
Sole, English.....	0	30	0	0	0	0	0	0	0	20	0	0	50
Sole, petrale.....	0	25	233	0	0	0	0	0	0	0	0	0	258
Sole, rex.....	0	990	970	0	0	0	0	0	0	0	0	0	1960
Sole, sand.....	0	0	105	0	0	0	0	0	0	0	0	0	105
Tuna, albacore.....	0	0	0	0	0	0	0	23273	34595	15644	0	0	73512
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	30	0	0	2760	2356	1573	0	6719

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Crab, Dungeness, Oc...	95870	43020	18365	26555	13934	8813	18222	13698	0	0	0	236889	475386
Shrimp, pink.....	0	0	0	0	0	0	0	0	12947	16386	0	0	29333
MOLLUSKS:													
Mussels, ocean.....	2428	5255	3472	960	2467	4496	1161	1770	5654	2243	3137	3745	36788
TOTAL	98298	64447	40643	47917	111245	220742	652559	245018	300714	61775	5001	240634	2088993

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	9	0	11	6	82	0	43	0	10	0	0	0	161
Cod, Pacific.....	712	9337	18615	23584	95600	16419	63674	39432	73807	62549	12062	3934	419725
Flounder, arrowtooth..	439	2372	3022	4771	14509	3895	12165	29943	22989	10864	2384	2830	110183
Flounder, starry.....	62	135	143	501	5223	6778	10007	5444	2166	284	12	0	30755
Grenadier.....	0	0	462	0	0	0	0	0	0	0	0	0	462
Hake, Pac. (Whiting)..	0	0	0	0	4808	24320	15056	0	7878	1779	0	0	53841
Halibut, Pacific.....	0	0	0	0	0	0	35603	0	0	0	0	0	35603
Lingcod.....	4452	10824	20237	47951	30096	14166	55518	13356	108536	102639	40066	6942	454783
Mackerel.....	0	0	0	0	0	0	93	5	96	24	0	0	218
Pac. Oc. Perch.....	8974	6152	6027	7581	17917	10417	4692	1399	2462	10193	2939	0	78753
Nominal POP.....	30370	18527	42852	28070	41733	62290	62567	31936	56087	45081	26678	18108	464299
Rockfish, widow.....	160481	96261	62414	47833	778	2789	1751	3430	8863	14670	1484	0	400754
Rockfish, yellowtail..	21393	11613	87868	20140	21688	3889	3352	20799	111833	121544	85797	6124	516040
Rkfsh, Sebastolobus...	96704	135494	72527	33615	52394	37614	66979	47900	99122	98668	26425	29674	797116
Rockfish, other spp...	60129	148720	90885	116849	204521	121002	181228	105145	488528	573002	165125	64770	2319904
Sablefish.....	199320	198900	175837	201724	393078	133988	308550	326230	616155	378084	14635	4547	2951048
Salmon, chinook.....	0	0	0	0	95736	72454	1510530	338662	267687	25296	691	0	2311056
Salmon, coho.....	0	0	0	0	0	905	524204	94926	51886	0	0	0	671921
Salmon, pink.....	0	0	0	0	126	220	44985	438	19	0	0	0	45788
Sanddab, Pacific.....	1321	15005	51944	13663	16181	31475	33033	27941	10936	2362	427	3000	207288
Shark, soupfin.....	17	43	8	0	36	51	48	0	0	36	252	150	641
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	0	27	27
Shark, thresher.....	0	0	0	0	0	0	187	848	0	0	0	0	1035
Shark, other.....	0	0	0	19	46	439	539	25	142	67	0	29	1306
Skates and rays.....	242	115	894	2619	2520	2541	2895	539	126	0	0	0	12491
Sole, butter.....	0	0	0	325	1020	1484	2584	2542	1789	0	0	0	9744
Sole, curlfin (turbot)	227	62	10	261	110	1309	394	1450	472	0	0	0	4295
Sole, Dover.....	750983	691233	761901	430687	417919	166919	453164	488702	961387	1147886	595464	564718	7430963
Sole, English.....	30936	22940	18784	23441	43953	48599	60990	33815	110495	70870	22434	31464	518721

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CHARLESTON, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, petrale.....	223329	73722	16067	11537	7751	17266	22988	6969	15411	32081	97661	186090	712872
Sole, rex.....	10045	9267	6922	8888	11019	2385	3844	385	5515	7311	5726	5665	76972
Sole, rock.....	0	0	0	0	186	45	0	0	204	0	0	0	435
Sole, sand.....	922	364	330	2521	7552	6905	17090	31041	16020	3303	0	0	86048
Sturgeon, green.....	67	0	53	98	941	0	0	0	0	0	0	0	1159
Sturgeon, white.....	0	0	0	409	920	1003	1885	254	195	252	0	0	4918
Tuna, albacore.....	0	0	0	0	0	0	7901	171996	197148	13727	0	0	390772
Wolf-eel.....	0	0	6	30	10	0	32	35	32	0	0	0	145
Wrymouth.....	0	0	0	0	19	0	0	0	0	0	0	0	19
Miscellaneous.....	0	0	0	0	7	0	4	0	0	0	0	0	11
CRUSTACEANS:													
Crab, box.....	5	0	0	0	0	0	0	0	0	0	0	0	5
Crab, Dungeness, Bay..	966	228	127	44	0	3	0	0	1027	6861	8005	1904	19165
Crab, Dungeness, Oc...	62090	40557	26830	28800	24370	13281	33133	20034	0	0	0	470086	719181
Crab, Tanner.....	121	0	0	0	0	0	0	0	0	0	0	0	121
Shrimp, ghost.....	0	0	0	0	0	22	218	280	160	78	136	0	894
Shrimp, mud.....	2580	2430	356	105	0	0	0	0	0	0	0	0	5471
Shrimp, pink.....	0	0	0	2384869	1402347	829748	1306296	296252	903043	686439	0	0	7808994
MOLLUSKS:													
Clams, butter.....	0	0	0	402	60	77	0	250	262	158	71	53	1333
Clams, cockle.....	1850	435	600	0	320	0	0	0	0	0	37	0	3242
Clams, gaper.....	0	0	0	0	0	0	495	293	1788	1968	654	280	5478
Clams, littleneck.....	0	0	0	34	0	0	0	0	0	10	0	0	44
Clams, softshell.....	0	44	0	0	0	0	23	0	0	0	50	0	117
Mussels, ocean.....	30	0	75	25	30	100	75	0	0	0	0	0	335
Octopus.....	0	33	59	22	60	88	313	0	41	0	0	104	720
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	499	0	0	0	0	0	0	0	499
TOTAL	1668776	1494813	1465866	3441424	2916165	1634686	4849128	2144696	4144317	3418086	1109215	1400499	29687871

TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hake, Pac. (Whiting)...	0	0	0	0	0	0	110	0	0	0	0	0	110
Halibut, Pacific.....	0	0	0	0	0	0	82	0	0	0	0	0	82
Lingcod.....	0	0	1059	75	5	0	52	16	112	141	0	0	1460
Rockfish, other spp...	0	0	341	21	1804	94	6511	2608	4666	682	0	0	16727
Salmon, chinook.....	0	0	0	0	36919	3381	196981	40417	25744	1361	0	0	304803
Salmon, coho.....	0	0	0	0	0	0	61342	9950	6406	0	0	0	77698
Salmon, pink.....	0	0	0	0	29	0	5308	37	0	0	0	0	5374
Tuna, albacore.....	0	0	0	0	0	0	0	0	3507	0	0	0	3507
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	69	380	477	0	0	0	0	926
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	0	0	215	0	0	0	177	392
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	1800	0	0	1800
TOTAL	0	0	1400	96	38757	3544	270766	53720	40435	3984	0	177	412879

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1967.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	99	104	399	1039	117	26	37	6	270	1358	375	115	3945
Cod, Pacific.....	0	0	0	0	0	0	5162	976	0	143	0	0	6281
Flounder, arrowtooth...	0	0	0	0	0	0	0	0	33	42	0	0	75
Halibut, Pacific.....	0	0	0	0	0	0	20339	0	0	0	0	0	20339
Lingcod.....	3463	5548	9816	8248	2002	631	4889	2612	9295	10953	1499	1069	60025
Nominal POP.....	0	0	0	0	0	0	267	440	0	0	0	0	707
Rockfish, widow.....	0	20	0	0	0	0	0	0	0	0	0	0	20
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	65	0	0	0	0	65
Rockfish, other spp...	2711	12453	12638	21313	14710	4799	13191	5446	16656	17711	1679	363	123670
Sablefish.....	0	17685	7588	38066	87586	41624	102610	709	29374	26683	0	0	351925
Salmon, chinook.....	0	0	0	0	6479	82021	166733	47613	19677	27679	30936	0	381138
Salmon, coho.....	0	0	0	0	0	4251	26849	9388	3482	0	0	0	43970
Salmon, pink.....	0	0	0	0	3	400	2265	115	0	0	0	0	2783
Sanddab, Pacific.....	0	0	0	0	0	0	749	195	0	0	0	0	944
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	28	0	28
Shark, other.....	0	22	0	83	0	0	0	0	62	0	0	0	167
Skates and rays.....	0	9	0	5	0	0	0	0	0	0	0	0	14
Sole, Dover.....	0	0	0	41	0	0	9383	5341	0	0	0	0	14765
Sole, English.....	0	0	0	0	0	0	19207	4080	0	0	0	0	23287
Sole, petrale.....	0	0	0	0	0	0	7897	665	7	0	0	0	8569
Sole, rex.....	0	0	0	0	0	0	1404	170	0	0	0	0	1574
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	1724	0	0	1724
Wolf-eel.....	0	34	193	225	314	120	86	52	55	187	14	0	1280
Miscellaneous.....	0	9	60	0	0	0	0	142	393	367	0	0	971
CRUSTACEANS:													
Crab, Dungeness, Oc...	37967	26497	14376	19234	17485	6185	24339	12730	0	0	0	69934	228747
Shrimp, pink.....	0	0	0	0	19986	0	5417	17428	20400	0	0	0	63231

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Mussels, ocean.....	725	0	0	0	0	0	0	0	0	0	0	0	725
Octopus.....	13	18	265	124	55	0	40	0	0	133	0	2932	3580
OTHER INVERTEBRATES:													
Sea urchins.....	0	0	0	11911	18826	0	0	5420	29636	42456	31093	13999	153341
TOTAL	44978	62399	45335	100289	167563	140057	410864	113593	129340	129436	65624	88412	1497890

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	1360	98	542	1027	1561	1392	3220	1958	131	0	11289
Rockfish, other spp....	0	0	141	0	484	4051	10992	8533	7584	2306	108	0	34199
Salmon, chinook.....	0	0	0	0	2592	2148	2303	513	1656	0	0	0	9212
Salmon, coho.....	0	0	0	0	0	148	225	94	362	0	0	0	829
Salmon, pink.....	0	0	0	0	0	0	33	0	0	0	0	0	33
TOTAL	0	0	1501	98	3618	7374	15114	10532	12822	4264	239	0	55562

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	35	0	0	0	0	0	0	35
Cod, Pacific.....	0	0	613	0	925	0	145	10454	6833	5752	1180	40	25942
Flounder, arrowtooth..	65	35	332	685	245	48	565	678	5386	3311	1510	490	13350
Flounder, starry.....	0	0	0	0	0	0	30	8	0	0	0	0	38
Halibut, Pacific.....	0	0	0	0	0	0	564	0	0	0	0	0	564
Lingcod.....	71	2917	18405	3846	11318	751	2354	12503	41819	68651	6672	824	170131
Nominal POP.....	306	1682	3432	1025	1320	40	965	1655	7788	17988	4095	9600	49896
Rockfish, widow.....	0	20	24475	143705	119565	117685	107400	126060	269719	13345	3550	0	925524
Rockfish, yellowtail..	0	140	6335	5675	6710	55	2078	7665	22565	33030	1615	4715	90583
Rkfish, Sebasteslobus...	10875	19966	15553	33145	33289	3945	4850	1215	18001	19950	3420	7710	171919
Rockfish, other spp...	1420	10154	7639	20739	37820	7364	14059	34661	82934	95739	12181	5331	330041
Sablefish.....	8190	14278	19173	44998	35223	28108	42590	7965	82046	60386	0	0	342957
Salmon, chinook.....	0	0	0	0	91219	248139	50811	2243	3956	1441	0	0	397809
Salmon, coho.....	0	0	0	0	0	21195	9578	1050	937	0	0	0	32760
Salmon, pink.....	0	0	0	0	3	429	812	69	0	0	0	0	1313
Sanddab, Pacific.....	0	60	136	55	0	0	78	12	0	119	125	0	585
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	89	0	0	89
Skates and rays.....	0	0	150	0	0	18	0	0	0	0	0	0	168
Smelt.....	647	19212	2110	0	0	0	0	0	0	0	0	0	21969
Sole, butter.....	0	0	0	0	0	0	81	0	0	0	0	0	81
Sole, Dover.....	29937	34237	40798	78490	40574	6806	36887	31145	186293	135088	44945	27174	692374
Sole, English.....	0	510	709	450	1282	0	1973	932	2514	14935	2395	225	25925
Sole, petrale.....	144	1560	2451	27	150	0	54	304	1522	4954	2710	39380	53256
Sole, rex.....	2112	1276	766	1690	1010	270	1013	486	5974	5530	1509	2923	24559
Sole, sand.....	0	90	0	0	0	0	134	100	0	0	0	0	324
Surfperch.....	0	185	794	259	0	186	0	0	0	0	0	0	1424
Tuna, albacore.....	0	0	0	0	0	0	0	8363	33479	24966	0	0	66808

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Oc...	78171	34605	12831	13580	7124	835	2290	3440	0	0	0	477714	630640
Shrimp, pink.....	0	0	0	921349	214129	113998	208655	124290	148755	85719	0	0	1816895
MOLLUSKS:													
Octopus.....	748	939	176	74	260	108	144	310	111	302	64	2603	5839
OTHER INVERTEBRATES:													
Sea urchins.....	0	1564	470	2976	0	7138	0	321	0	3100b	4711	0	48188
TOTAL	132686	143430	157348	1272768	602166	557203	488110	375929	920632	622303	90682	578729	5941986

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987.

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	SHELT TRAWL
FISH:										
Cabezon.....	54	0	0	0	0	0	0	0	0	0
Carp.....	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	21	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	7	0	0	0	0	0	0	0	0	0
Flounder, starry.....	18	0	0	0	18762	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hake, Pac. (Whiting)..	982	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	7323	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.....	43602	0	0	0	0	0	0	0	0	0
Mackerel.....	1680	0	0	0	0	0	0	0	0	0
Opah.....	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.....	34	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	302	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	836	0	0	0	0	0	0	0	0	0
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	0	0	0
Rockfish, other spp...	130246	0	0	0	0	0	0	0	0	0
Sablefish.....	31	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	5959919	0	0	0	4196072	1323444	0	3362	0	0
Salmon, chum.....	12	0	0	0	6809	0	0	0	0	0
Salmon, coho.....	2203335	0	0	0	849659	4746	0	514	0	0
Salmon, pink.....	100451	0	0	0	12	0	0	0	0	0
Salmon, sockeye.....	0	0	0	0	66837	54510	0	2690	0	0
Sanddab, Pacific.....	219	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	34720	12187	313635	4940	0	0	0	0
Shark, soupfin.....	73	0	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (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
Shark, spiny dogfish..	7	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other.....	532	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt.....	0	0	0	0	948	0	0	14363	0	11435
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.....	85	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	10	300340	0	19061	0	0
Sturgeon, green.....	0	0	0	0	63498	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	206310	187419	28965	0	0	0
Surfperch.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	2287559	0	0	0	0	0	0	0	0	0
Tuna, other.....	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	33	0	0	0	0	0	0	0	0	0
Wrymouth.....	0	0	0	0	0	0	0	0	0	0
Miscellaneous.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, Oc...	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

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (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
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0
Octopus.....	34	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	10737395	0	34720	12187	5722552	1875399	28965	39990	0	11435

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
FISH:									
Cabezon.....	0	2888	0	7300	99	0	0	0	0
Carp.....	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	3268	0	6	1431724	100	33628	0	0
Flounder, arrowtooth.	3940	6596	0	0	1598247	0	22286	0	0
Flounder, starry.....	0	6	0	12	200040	0	20	0	0
Grenadier.....	0	462	0	0	0	0	0	0	0
Hake, Pac. (Whiting).	0	0	0	2	141251	247200	13278	0	0
Halibut, Pacific.....	0	908699	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	196	0	0	0	0	0
Lamprey.....	0	0	0	0	0	0	0	0	0
Lingcod.....	754	75791	0	173993	1227923	2207	64467	0	0
Mackerel.....	0	9	0	0	0	1540	0	0	0
Opah.....	0	0	1047	0	0	0	0	0	680
Pac. Oc. Perch.....	24	55	0	0	1038398	0	9907	0	0
Nominal POP.....	10529	27644	0	1347	1940228	43847	22961	0	0
Rockfish, widow.....	0	3948	0	1755	2559433	11385682	12364	0	0
Rockfish, yellowtail.	0	20314	0	2753	3006122	450601	219680	0	0
Rkfsh, Sebastolobus..	320	7890	0	0	1427328	0	44769	0	0
Rockfish, other spp..	17952	788060	0	529616	6739537	83458	1747199	0	0
Sablefish.....	3725048	2209470	0	203	5549948	5250	61720	0	0
Salmon, chinook.....	0	0	0	0	0	0	0	0	0
Salmon, chum.....	0	0	0	0	0	0	0	0	0
Salmon, coho.....	0	0	0	0	0	0	0	0	0
Salmon, pint.....	0	0	0	0	0	0	0	0	0
Salmon, sockeye.....	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	467	620	0	0	460244	0	6544	0	0
Shad, American.....	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	10	2371	0	207	9064	40	648	0	5098

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
Shark, spiny dogfish.	0	163	0	55	0	0	0	0	0
Shark, thresher.....	0	0	368	0	28	0	0	0	101268
Shark, other.....	0	414	247	268	498	0	127	0	1559
Skates and rays.....	0	1833	0	39	19502	0	41	0	0
Smelt.....	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	10617	0	0	0	0
Sole, curlfin (turbot)	0	66	0	0	9057	0	562	0	0
Sole, Dover.....	707	369	0	0	13264615	100	87393	0	0
Sole, English.....	0	0	0	0	1308307	0	2262	0	0
Sole, flathead.....	0	0	0	0	1224	0	87	0	0
Sole, petrale.....	0	858	0	12	1878146	158	5260	0	0
Sole, rex.....	0	0	0	0	630007	0	2014	0	0
Sole, rock.....	0	0	0	0	2498	0	0	0	0
Sole, sand.....	0	6	0	2	500190	0	247	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	4055	0	0	0	0
Sturgeon, white.....	0	75	0	0	5561	0	0	0	0
Surfperch.....	0	0	0	2529	0	0	0	0	0
Tuna, albacore.....	0	0	328	0	0	0	0	0	158
Tuna, other.....	0	0	0	0	0	0	0	0	13
Wolf-eel.....	0	452	0	1053	5270	0	44	0	0
Wrymouth.....	0	0	0	0	103	0	151	0	0
Miscellaneous.....	0	0	2335	158	7	0	0	0	438
CRUSTACEANS:									
Crab, box.....	0	0	0	0	5	0	0	0	0
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	0	0
Crab, Dungeness.....	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	0	0	0	0	121	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
Crayfish.....	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	44589472	0	0
MOLLUSKS:									
Clams, butter.....	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0
Clams, littleneck....	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0
Mussels, freshwater..	0	0	0	0	0	0	0	0	0
Octopus.....	0	312	0	790	7088	0	760	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	29	0	0	0	0
OTHER INVERTEBRATES:									
Sea urchins, red.....	0	0	0	0	0	0	0	0	0
TOTAL	3759751	4062639	4325	722296	44976514	12220183	46947891	0	109214

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (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:										
Cabezon.....	3710	0	0	0	0	0	0	0	0	14051
Carp.....	0	0	0	0	0	0	0	11184	0	11184
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	1468747
Flounder, arrowtooth..	10	0	0	0	0	0	0	0	0	1631086
Flounder, starry.....	9	0	0	0	0	0	0	0	0	218867
Grenadier.....	0	0	0	0	0	0	0	0	0	462
Hake, Pac. (Whiting)..	0	0	0	0	0	0	0	0	0	402713
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	916022
Herring, Pacific.....	0	0	0	0	0	0	0	493592	0	493788
Lamprey.....	0	0	0	0	5633	0	0	0	0	5633
Lingcod.....	776	0	0	0	23	235	0	0	0	1589771
Mackerel.....	0	0	0	0	0	0	0	0	0	3229
Opah.....	0	0	0	0	0	0	0	0	0	1727
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	1048384
Nominal POP.....	0	0	0	0	0	0	0	0	0	2046590
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	13963484
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	3700306
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	0	0	1480307
Rockfish, other spp...	1171	0	0	0	435	0	0	0	0	10037674
Sablefish.....	0	0	0	0	0	0	0	0	0	11551670
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	11482797
Salmon, chum.....	0	0	0	0	0	0	0	0	0	6821
Salmon, coho.....	0	0	0	0	0	0	0	0	0	3058254
Salmon, pink.....	0	0	0	0	0	0	0	0	0	100463
Salmon, sockeye.....	0	0	0	0	0	0	0	0	0	124037
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	468094
Shad, American.....	0	0	0	0	0	0	0	0	0	365482
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	17511

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM OR SHVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	225
Shark, thresher.....	0	0	0	0	0	0	0	0	0	101664
Shark, other.....	0	0	0	0	0	0	0	0	0	3645
Skates and rays.....	6	0	0	0	0	0	0	0	0	21421
Smelt.....	0	0	0	0	0	0	0	21979	0	48725
Sole, butter.....	0	0	0	0	0	0	0	0	0	10617
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	9685
Sole, Dover.....	0	0	0	0	0	0	0	0	0	13353184
Sole, English.....	0	0	0	0	0	0	0	0	0	1310569
Sole, flathead.....	0	0	0	0	0	0	0	0	0	1311
Sole, petrale.....	0	0	0	0	0	0	0	0	0	1884519
Sole, rex.....	0	0	0	0	0	0	0	0	0	632021
Sole, rock.....	0	0	0	0	0	0	0	0	0	2498
Sole, sand.....	17	0	0	0	0	0	0	0	0	500462
Steelhead.....	0	0	0	0	0	0	0	0	0	319411
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	67553
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	428330
Surfperch.....	0	0	0	0	0	0	0	10	0	2539
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	2288045
Tuna, other.....	0	0	0	0	0	0	0	0	0	13
Wolf-eel.....	2424	0	0	0	0	0	0	0	0	9276
Wrymouth.....	0	0	0	0	0	0	0	0	0	254
Miscellaneous.....	22	12	0	0	975	0	0	0	0	3947
CRUSTACEANS:										
Crab, box.....	19	0	0	0	0	0	0	0	0	24
Crab, Dungeness, Bay..	0	62499	0	0	0	0	0	0	0	62499
Crab, Dungeness.....	5928131	239	0	0	0	0	0	0	0	5928370
Crab, rock.....	509	4546	0	0	266	0	0	0	0	5321
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	121

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1987. (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
Crayfish.....	0	0	0	0	0	0	0	0	0	336279	336279
Shrimp, brine.....	0	0	0	0	0	23100	0	0	0	0	23100
Shrimp, ghost.....	0	0	0	0	0	0	0	52470	0	0	52470
Shrimp, mud.....	0	0	0	0	0	0	0	42273	0	0	42273
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	44589472
MOLLUSKS:											
Clams, butter.....	0	0	2425	0	0	621	0	0	0	0	3046
Clams, cockle.....	0	0	8116	0	0	12086	0	0	0	0	20202
Clams, gaper.....	0	0	968	0	0	5400	0	0	0	0	6368
Clams, littleneck.....	0	0	191	0	0	13949	0	0	0	0	14140
Clams, softshell.....	0	0	2527	0	0	0	0	0	0	0	2527
Clams, razor.....	0	0	29197	0	0	0	0	0	0	0	29197
Mussels, ocean.....	0	0	0	0	0	48903	0	0	0	0	48903
Mussels, freshwater...	0	0	0	0	0	3407	0	0	0	0	3407
Octopus.....	9787	0	0	0	0	0	0	0	0	0	18771
Scallops, weathervane	0	0	0	0	0	0	13590	0	0	0	13590
Squid.....	0	0	0	0	0	0	0	0	0	0	29
OTHER INVERTEBRATES:											
Sea urchins, red.....	0	0	0	0	0	202799	0	0	0	0	202799
TOTAL	5946591	67296	43424	0	0	317597	13825	94743	526765	336279	138611976

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987.

SPECIES	OCEAN TROLL	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	COL. R. HOOK&LINE	SMELT TRAWL
FISH:										
Cabezon.....	11	0	0	0	0	0	0	0	0	0
Carp.....	0	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	9	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth..	1	0	0	0	0	0	0	0	0	0
Flounder, starry.....	9	0	0	0	5634	0	0	0	0	0
Grenadier.....	0	0	0	0	0	0	0	0	0	0
Hake, Pac. (Whiting)..	113	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	12136	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.....	21394	0	0	0	0	0	0	0	0	0
Mackerel.....	441	0	0	0	0	0	0	0	0	0
Opah.....	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.....	11	0	0	0	0	0	0	0	0	0
Rockfish, widow.....	110	0	0	0	0	0	0	0	0	0
Rockfish, yellowtail..	323	0	0	0	0	0	0	0	0	0
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	0	0	0
Rockfish, other spp...	52235	0	0	0	0	0	0	0	0	0
Sablefish.....	15	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	13519904	0	0	0	5837914	2134419	0	4661	0	0
Salmon, chum.....	13	0	0	0	6399	0	0	0	0	0
Salmon, coho.....	3309687	0	0	0	1595260	5696	0	690	0	0
Salmon, pink.....	69425	0	0	0	7	0	0	0	0	0
Salmon, sockeye.....	0	0	0	0	102207	80167	0	4233	0	0
Sanddab, Pacific.....	79	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	1742	10143	60753	203	0	0	0	0
Shark, soupfin.....	66	0	0	0	0	0	0	0	0	0

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (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
Shark, spiny dogfish..	5	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other.....	327	0	0	0	0	0	0	0	0	0
Skates and rays.....	0	0	0	0	0	0	0	0	0	0
Smelt.....	0	0	0	0	445	0	0	1880	0	3432
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.....	79	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	11	331053	0	20145	0	0
Sturgeon, green.....	0	0	0	0	32088	0	0	0	0	0
Sturgeon, white.....	0	0	0	0	329377	327797	50274	0	0	0
Surfperch.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	1674990	0	0	0	0	0	0	0	0	0
Tuna, other.....	0	0	0	0	0	0	0	0	0	0
Wolf-eel.....	8	0	0	0	0	0	0	0	0	0
Wrymouth.....	0	0	0	0	0	0	0	0	0	0
Miscellaneous.....	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	0	0
Crab, Dungeness, Oc...	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

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (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	SHELT TRAWL
Crayfish.....	0	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0
MOLLUSKS:										
Clams, butter.....	0	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0
Octopus.....	12	0	0	0	0	0	0	0	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	0	0	0	0	0	0
OTHER INVERTEBRATES:										
Sea urchins, red.....	0	0	0	0	0	0	0	0	0	0
TOTAL	18661403	0	1742	10143	7970095	2879335	50274	31609	0	3432

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUNDFISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
FISH:									
Cabezon.....	0	579	0	1596	22	0	0	0	0
Carp.....	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	1209	0	2	469493	30	10840	0	0
Flounder, arrowtooth.....	597	1287	0	0	232917	0	3984	0	0
Flounder, starry.....	0	2	0	5	69168	0	6	0	0
Grenadier.....	0	60	0	0	0	0	0	0	0
Hake, Pac. (Whiting).....	0	0	0	0	11706	19330	1905	0	0
Halibut, Pacific.....	0	1005746	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	98	0	0	0	0	0
Lamprey.....	0	0	0	0	0	0	0	0	0
Lingcod.....	358	40643	0	96122	421028	766	21893	0	0
Mackeral.....	0	2	0	0	0	92	0	0	0
Opah.....	0	0	471	0	0	0	0	0	306
Pac. Oc. Perch.....	8	21	0	0	345055	0	3199	0	0
Nominal POP.....	3405	9699	0	429	594035	13546	7174	0	0
Rockfish, widow.....	0	1934	0	677	616871	3656398	3960	0	0
Rockfish, yellowtail.....	0	8215	0	1076	970033	145447	70470	0	0
Rkfsh, Sebastolobus..	112	2500	0	0	465417	0	14706	0	0
Rockfish, other spp..	6453	378780	0	250106	2193442	26986	563969	0	0
Sablefish.....	1970681	1251317	0	134	1839373	1575	21090	0	0
Salmon, chinook.....	0	0	0	0	0	0	0	0	0
Salmon, chum.....	0	0	0	0	0	0	0	0	0
Salmon, coho.....	0	0	0	0	0	0	0	0	0
Salmon, pink.....	0	0	0	0	0	0	0	0	0
Salmon, sockeye.....	0	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	173	217	0	0	168349	0	2405	0	0
Shad, American.....	0	0	0	0	0	0	0	0	0
Shark, soupfin.....	7	2488	0	207	4033	20	751	0	4631

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
Shark, spiny dogfish.	0	41	0	37	0	0	0	0	0
Shark, thresher.....	0	0	565	0	43	0	0	0	155150
Shark, other.....	0	338	179	251	266	0	93	0	1433
States and rays.....	0	551	0	11	6137	0	13	0	0
Smelt.....	0	0	0	0	0	0	0	0	0
Sole, butter.....	0	0	0	0	2650	0	0	0	0
Sole, curlfin (turbot)	0	33	0	0	3008	0	179	0	0
Sole, Dover.....	238	126	0	0	4154846	28	28583	0	0
Sole, English.....	0	0	0	0	532315	0	882	0	0
Sole, flathead.....	0	0	0	0	459	0	35	0	0
Sole, petrale.....	0	728	0	10	1547592	126	4242	0	0
Sole, rex.....	0	0	0	0	247604	0	694	0	0
Sole, rock.....	0	0	0	0	1061	0	0	0	0
Sole, sand.....	0	2	0	1	366593	0	179	0	0
Steelhead.....	0	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	0	2232	0	0	0	0
Sturgeon, white.....	0	124	0	0	7034	0	0	0	0
Surfperch.....	0	0	0	1738	0	0	0	0	0
Tuna, albacore.....	0	0	240	0	0	0	0	0	115
Tuna, other.....	0	0	0	0	0	0	0	0	9
Wolf-eel.....	0	54	0	321	1338	0	12	0	0
Wrymouth.....	0	0	0	0	44	0	51	0	0
Miscellaneous.....	0	0	8212	81	16	0	0	0	1862
CRUSTACEANS:									
Crab, box.....	0	0	0	0	2	0	0	0	0
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	0	0
Crab, Dungeness.....	0	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0	0
Crab, Tanner.....	0	0	0	0	242	0	0	0	0

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TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	FISH POT	BOTTOM LONGLINE	PELAGIC LONGLINE	OTHER HOOK&LINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
Crayfish.....	0	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0	0
Shrimp, ghost.....	0	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	0	30272202	0	0
MOLLUSKS:									
Clams, butter.....	0	0	0	0	0	0	0	0	0
Clams, cockle.....	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0
Clams, littleneck....	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0
Mussels, freshwater..	0	0	0	0	0	0	0	0	0
Octopus.....	0	209	0	560	5316	0	632	0	0
Scallops, weathervane	0	0	0	0	0	0	0	0	0
Squid.....	0	0	0	0	3	0	0	0	0
OTHER INVERTEBRATES:									
Sea urchins, red.....	0	0	0	0	0	0	0	0	0
TOTAL	1982032	2706905	9667	353462	15479743	3864344	31034149	0	163506

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (CONT.)

SPECIES	CRAB POT	CRAB RING	CLAM SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREOGE	SANDSHRIMP PUMP	BAITFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:										
Cabezon.....	830	0	0	0	0	0	0	0	0	3038
Carp.....	0	0	0	0	0	0	0	1118	0	1118
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	481583
Flounder, arrowtooth..	1	0	0	0	0	0	0	0	0	238787
Flounder, starry.....	5	0	0	0	0	0	0	0	0	74829
Grenadier.....	0	0	0	0	0	0	0	0	0	60
Hake, Pac. (Whiting)..	0	0	0	0	0	0	0	0	0	33054
Halibut, Pacific.....	0	0	0	0	0	0	0	0	0	1017882
Herring, Pacific.....	0	0	0	0	0	0	0	236340	0	236438
Lamprey.....	0	0	0	0	5633	0	0	0	0	5633
Lingcod.....	404	0	0	0	12	73	0	0	0	602693
Mackeral.....	0	0	0	0	0	0	0	0	0	535
Opah.....	0	0	0	0	0	0	0	0	0	777
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	348283
Nominal POP.....	0	0	0	0	0	0	0	0	0	628299
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	4479950
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	0	1195564
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	0	0	482735
Rockfish, other spp...	495	0	0	0	153	0	0	0	0	3472619
Sablefish.....	0	0	0	0	0	0	0	0	0	5084185
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	21496898
Salmon, chum.....	0	0	0	0	0	0	0	0	0	6412
Salmon, coho.....	0	0	0	0	0	0	0	0	0	4911333
Salmon, pink.....	0	0	0	0	0	0	0	0	0	69432
Salmon, sockeye.....	0	0	0	0	0	0	0	0	0	186607
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	171223
Shad, American.....	0	0	0	0	0	0	0	0	0	72841
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	12203

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (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
-Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	83
Shark, thresher.....	0	0	0	0	0	0	0	0	0	155758
Shark, other.....	0	0	0	0	0	0	0	0	0	2887
Skates and rays.....	2	0	0	0	0	0	0	0	0	6714
Smelt.....	0	0	0	0	0	0	0	6600	0	12357
Sole, butter.....	0	0	0	0	0	0	0	0	0	2650
Sole, curlfin (turbot)	0	0	0	0	0	0	0	0	0	3220
Sole, Dover.....	0	0	0	0	0	0	0	0	0	4183821
Sole, English.....	0	0	0	0	0	0	0	0	0	533197
Sole, flathead.....	0	0	0	0	0	0	0	0	0	494
Sole, petrale.....	0	0	0	0	0	0	0	0	0	1552777
Sole, rex.....	0	0	0	0	0	0	0	0	0	248298
Sole, rock.....	0	0	0	0	0	0	0	0	0	1061
Sole, sand.....	4	0	0	0	0	0	0	0	0	366779
Steelhead.....	0	0	0	0	0	0	0	0	0	351209
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	34320
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	714606
Surfperch.....	0	0	0	0	0	0	0	10	0	1748
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	1675345
Tuna, other.....	0	0	0	0	0	0	0	0	0	9
Wolf-eel.....	571	0	0	0	0	0	0	0	0	2304
Wrymouth.....	0	0	0	0	0	0	0	0	0	95
Miscellaneous.....	74	40	0	0	3256	0	0	0	0	13541
CRUSTACEANS:										
Crab, box.....	8	0	0	0	0	0	0	0	0	10
Crab, Dungeness, Bay..	0	111431	0	0	0	0	0	0	0	111431
Crab, Dungeness.....	8239994	451	0	0	0	0	0	0	0	8240445
Crab, rock.....	509	4546	0	0	266	0	0	0	0	5321
Crab, Tanner.....	0	0	0	0	0	0	0	0	0	242

TABLE 23A. COMMERCIAL FISH AND SHELLFISH ESTIMATED VALUE (\$) BY GEAR IN OREGON, 1987. (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
Crayfish.....	0	0	0	0	0	0	0	0	470458	470458
Shrimp, brine.....	0	0	0	0	34650	0	0	0	0	34650
Shrimp, ghost.....	0	0	0	0	0	0	135904	0	0	135904
Shrimp, mud.....	0	0	0	0	0	0	64882	0	0	64882
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	30272202
MOLLUSKS:										
Clams, butter.....	0	0	1237	0	185	0	0	0	0	1422
Clams, cockle.....	0	0	2643	0	3061	0	0	0	0	5704
Clams, gaper.....	0	0	493	0	1080	0	0	0	0	1573
Clams, littleneck....	0	0	212	0	15504	0	0	0	0	15716
Clams, softshell.....	0	0	524	0	0	0	0	0	0	524
Clams, razor.....	0	0	64172	0	0	0	0	0	0	64172
Mussels, ocean.....	0	0	0	0	26478	0	0	0	0	26478
Mussels, freshwater...	0	0	0	0	954	0	0	0	0	954
Octopus.....	7470	0	0	0	0	0	0	0	0	14199
Scallops, weathervane	0	0	0	0	0	6406	0	0	0	6406
Squid.....	0	0	0	0	0	0	0	0	0	3
OTHER INVERTEBRATES:										
Sea urchins, red.....	0	0	0	0	51360	0	0	0	0	51360
TOTAL	8250367	116468	69281	0	142592	6479	200786	244068	470458	94702340

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TROLL													
FISH:													
Cabezon.....	0	0	0	0	0	6	0	28	4	16	0	0	54
Cod, Pacific.....	0	0	0	0	3	0	0	8	10	0	0	0	21
Flounder, arrowtooth..	0	0	0	0	0	0	7	0	0	0	0	0	7
Flounder, starry.....	0	0	0	0	7	2	6	3	0	0	0	0	18
Hake, Pac. (Whiting)..	0	0	0	0	0	0	390	477	115	0	0	0	982
Halibut, Pacific.....	0	0	0	0	0	0	7323	0	0	0	0	0	7323
Lingcod.....	0	0	0	0	2606	1906	9016	6847	9001	13973	237	16	43602
Mackeral.....	0	0	0	0	0	0	1222	301	133	24	0	0	1680
Nominal POP.....	0	0	0	0	4	0	0	0	0	30	0	0	34
Rockfish, widow.....	0	0	0	0	62	35	117	50	38	0	0	0	302
Rockfish, yellowtail..	0	0	0	0	257	2	30	298	9	240	0	0	836
Rockfish, other spp...	0	0	0	0	14134	4874	40361	28056	23664	18940	190	27	130246
Sablefish.....	0	0	0	0	0	0	31	0	0	0	0	0	31
Salmon, chinook.....	0	0	0	0	465331	630522	3113442	948154	583893	186933	31644	0	5959919
Salmon, chum.....	0	0	0	0	0	0	0	0	0	12	0	0	12
Salmon, coho.....	0	0	0	0	0	26536	1631486	410239	135074	0	0	0	2203335
Salmon, pink.....	0	0	0	0	187	1054	95997	3119	94	0	0	0	100451
Sanddab, Pacific.....	0	0	0	0	0	3	37	5	0	174	0	0	219
Shark, soupfin.....	0	0	0	0	0	0	73	0	0	0	0	0	73
Shark, spiny dogfish..	0	0	0	0	0	0	7	0	0	0	0	0	7
Shark, other.....	0	0	0	0	5	0	442	25	60	0	0	0	532
Sole, petrale.....	0	0	0	0	12	4	38	5	14	12	0	0	85
Tuna, albacore.....	0	0	0	0	0	0	8639	691826	1382795	202828	1471	0	2287559
Wolf-eel.....	0	0	0	0	0	0	20	13	0	0	0	0	33
MOLLUSKS:													
Octopus.....	0	0	0	0	0	11	0	0	0	23	0	0	34
TOTAL	0	0	0	0	482608	664955	4908684	2089454	2134904	423205	33542	43	10737395

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>COASTAL GILLNET</u>													
FISH:													
Shad, American.....	0	0	0	0	27610	7110	0	0	0	0	0	0	34720
TOTAL	0	0	0	0	27610	7110	0	0	0	0	0	0	34720
<u>COASTAL SETNET</u>													
FISH:													
Shad, American.....	0	0	0	0	5257	6930	0	0	0	0	0	0	12187
TOTAL	0	0	0	0	5257	6930	0	0	0	0	0	0	12187
<u>COL. R. GILLNET</u>													
FISH:													
Flounder, starry.....	0	447	198	0	0	0	0	7710	7753	2247	407	0	18762
Salmon, chinook.....	127	131163	29501	0	0	430	52	199573	3667031	155951	12244	0	4196072
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2688	4121	0	6809
Salmon, coho.....	0	0	0	0	0	0	0	1794	580107	245716	22042	0	849659
Salmon, pink.....	0	0	0	0	0	0	0	0	3	9	0	0	12
Salmon, sockeye.....	0	0	0	0	0	49848	16989	0	0	0	0	0	66837
Shad, American.....	0	0	0	0	99582	214053	0	0	0	0	0	0	313635
Smelt.....	0	890	58	0	0	0	0	0	0	0	0	0	948
Steelhead.....	0	0	0	0	0	0	0	0	10	0	0	0	10
Sturgeon, green.....	0	83	30	0	0	658	0	49571	12569	539	48	0	63498
Sturgeon, white.....	9229	22772	6545	0	0	318	35	77614	50119	25124	14554	0	206310
TOTAL	9356	155355	36332	0	99582	265307	17076	336262	4317592	432274	53416	0	5722552
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	2477	0	0	2656	3378	167811	1095677	51445	0	0	1323444
Salmon, coho.....	0	0	0	0	0	0	0	203	3659	884	0	0	4746
Salmon, sockeye.....	0	0	0	0	0	25257	29253	0	0	0	0	0	54510

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shad, American.....	0	0	0	0	0	1870	3070	0	0	0	0	0	4740
Steelhead.....	0	8516	6470	0	0	2596	13361	82859	156037	30501	0	0	300340
Sturgeon, white.....	0	53530	33232	0	0	5046	5269	48395	26011	15936	0	0	187419
TOTAL	0	62046	42179	0	0	37425	54331	299268	1281384	98766	0	0	1875379
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	737	2322	2511	5937	0	0	6426	2893	148	1238	5978	775	28965
TOTAL	737	2322	2511	5937	0	0	6426	2893	148	1238	5978	775	28965
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	177	82	747	2175	181	0	0	3362
Salmon, coho.....	0	0	0	0	0	0	0	0	492	22	0	0	514
Salmon, sockeye.....	0	0	0	0	0	1574	1116	0	0	0	0	0	2690
Smelt.....	0	13980	383	0	0	0	0	0	0	0	0	0	14363
Steelhead.....	0	0	0	0	0	2429	2293	9220	4945	174	0	0	19061
TOTAL	0	13980	383	0	0	4180	3491	9967	7612	377	0	0	39770
<u>SHELT TRAWL</u>													
FISH:													
Smelt.....	0	11435	0	0	0	0	0	0	0	0	0	0	11435
TOTAL	0	11435	0	0	0	0	0	0	0	0	0	0	11435
<u>FISH POT</u>													
FISH:													
Flounder, arrowtooth..	0	18	0	114	2155	922	380	327	24	0	0	0	3940
Lingcod.....	0	14	120	502	9	0	20	0	24	65	0	0	754
Pac. Oc. Perch.....	0	0	0	0	0	0	24	0	0	0	0	0	24
Nominal POP.....	0	0	0	0	1108	1639	1869	1684	2268	1961	0	0	10529
Rkfsh, SebasteIobus...	0	11	0	0	3	0	81	123	102	0	0	0	320

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1967. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, other spp...	0	0	152	544	1488	1808	3474	2981	6760	745	0	0	17952
Sablefish.....	48604	88336	149967	235800	317057	458748	531265	536348	849621	509302	0	0	3725048
Sanddab, Pacific.....	0	0	0	0	0	0	0	453	0	14	0	0	467
Shark, soupfin.....	0	10	0	0	0	0	0	0	0	0	0	0	10
Sole, Dover.....	0	0	0	41	78	21	54	137	147	229	0	0	707
TOTAL	48604	88389	150239	237001	321898	463138	537167	542053	858946	512316	0	0	3759751
<u>BOTTOM LONGLINE</u>													
FISH:													
Cabezon.....	0	54	236	732	90	35	0	0	254	1061	311	115	2888
Cod, Pacific.....	0	0	2	120	438	571	1104	228	467	338	0	0	3268
Flounder, arrowtooth..	0	0	0	72	425	495	3311	265	1478	550	0	0	6596
Flounder, starry.....	0	0	0	0	0	0	6	0	0	0	0	0	6
Grenadier.....	0	0	462	0	0	0	0	0	0	0	0	0	462
Halibut, Pacific.....	0	0	0	0	0	409560	282337	158672	58130	0	0	0	908699
Lingcod.....	1963	3997	10471	12248	2919	6716	12915	2402	8277	11221	1854	808	75791
Hacteral.....	0	0	0	0	0	0	0	0	4	5	0	0	9
Pac. Oc. Perch.....	0	0	0	0	0	38	0	0	17	0	0	0	55
Nominal POP.....	0	31	794	1805	6929	7529	1398	3352	3611	2112	83	0	27644
Rockfish, widow.....	0	0	0	0	0	0	3397	551	0	0	0	0	3948
Rockfish, yellowtail..	2074	461	3512	6292	104	0	3448	1008	1220	1917	142	136	20314
Rtfsh, Sebastolobus...	0	85	58	129	382	885	851	2001	1982	1517	0	0	7890
Rockfish, other spp...	11436	36608	61255	123511	127793	70761	131571	44885	110112	59177	3913	7038	788060
Sablefish.....	10443	14984	15101	171909	444680	340069	460603	197607	339368	214706	0	0	2209470
Sanddab, Pacific.....	0	0	0	0	0	0	620	0	0	0	0	0	620
Shark, soupfin.....	0	21	0	28	23	28	2121	42	0	80	28	0	2371
Shark, spiny dogfish..	0	0	6	0	0	0	0	0	0	0	130	27	163
Shark, other.....	0	22	0	83	46	0	201	0	62	0	0	0	414
Skates and rays.....	0	9	40	6	177	18	1313	270	0	0	0	0	1833
Sole, curlfin (turbot)	0	0	66	0	0	0	0	0	0	0	0	0	66

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, Dover.....	0	0	0	6	19	86	197	12	47	2	0	0	369
Sole, petrale.....	0	0	2	0	32	0	684	12	112	16	0	0	858
Sole, sand.....	0	0	6	0	0	0	0	0	0	0	0	0	6
Sturgeon, white.....	0	0	0	75	0	0	0	0	0	0	0	0	75
Wolf-eel.....	0	18	63	79	40	0	0	0	55	183	14	0	452
HOLLUSKS:													
Octopus.....	0	18	97	38	0	0	0	0	0	137	22	0	312
TOTAL	25916	56308	92171	317133	584097	836791	906077	411307	525196	293022	6497	8124	4062639
PELAGIC LONGLINE													
FISH:													
Opah.....	0	0	0	0	0	0	1047	0	0	0	0	0	1047
Shark, thresher.....	0	0	0	0	0	0	368	0	0	0	0	0	368
Shark, other.....	0	0	0	0	0	0	247	0	0	0	0	0	247
Tuna, albacore.....	0	0	0	0	0	0	328	0	0	0	0	0	328
Miscellaneous.....	0	0	0	0	0	0	2335	0	0	0	0	0	2335
TOTAL	0	0	0	0	0	0	4325	0	0	0	0	0	4325
OTHER HOOK & LINE													
FISH:													
Cabezon.....	454	678	2174	1848	300	315	336	196	114	345	328	212	7300
Cod, Pacific.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Flounder, starry.....	0	4	3	0	0	0	3	1	1	0	0	0	12
Hake, Pac. (Whiting)...	0	0	0	0	0	0	2	0	0	0	0	0	2
Herring, Pacific.....	0	46	0	112	0	0	21	17	0	0	0	0	196
Lingcod.....	5006	13304	36651	19246	8680	4662	9745	5420	20693	43304	5861	1421	173993
Nominal POP.....	0	0	14	0	0	0	97	0	0	1179	57	0	1347
Rockfish, widow.....	0	20	8	234	45	240	65	0	0	1143	0	0	1755
Rockfish, yellowtail..	0	0	423	1251	767	0	0	4	0	190	0	118	2753
Rockfish, other spp...	12408	40045	28633	128385	127681	22164	36627	26065	49060	53240	4559	749	529616
Sablefish.....	0	50	95	0	16	0	0	8	0	34	0	0	203

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, soupfin.....	95	80	32	0	0	0	0	0	0	0	0	0	207
Shark, spiny dogfish..	0	0	0	0	0	3	0	0	0	52	0	0	55
Shark, other.....	0	0	58	0	0	88	0	0	55	67	0	0	268
Skates and rays.....	0	0	0	35	0	0	1	0	0	3	0	0	39
Sole, petrale.....	0	0	0	0	0	0	0	0	0	12	0	0	12
Sole, sand.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Surfperch.....	0	184	788	297	2	192	557	460	26	0	18	5	2529
Wolf-eel.....	6	0	301	244	246	39	30	113	37	29	0	8	1053
Miscellaneous.....	0	8	10	9	0	5	12	61	14	10	9	20	158
MOLLUSKS:													
Octopus.....	121	0	0	48	124	130	0	35	193	139	0	0	790
TOTAL	18090	54419	69190	151709	137861	27838	47496	32388	70193	99747	10832	2533	722296
GROUND FISH TRAWL													
FISH:													
Cabezon.....	0	0	0	0	56	0	43	0	0	0	0	0	99
Cod, Pacific.....	13479	32327	29582	65566	206407	135400	253006	173082	200624	256630	39110	26511	1431724
Flounder, arrowtooth..	49304	62166	85305	49091	113024	146542	270666	368032	257369	133621	20978	42149	1598247
Flounder, starry.....	162	323	2423	8910	35981	28159	30973	44757	17779	26974	2650	949	200040
Hake, Pac. (Whiting)..	0	0	0	1508	9103	28028	69452	23503	7878	1779	0	0	141251
Lingcod.....	42466	37846	54091	60047	78792	40229	138798	160875	283538	239656	68718	22867	1227923
Pac. Oc. Perch.....	91708	112368	93131	88649	94679	80278	91719	118620	103763	99602	39140	24741	1038398
Nominal POP.....	286552	213714	166598	67742	109734	110347	153515	124531	205794	368022	92377	41302	1940228
Rockfish, widow.....	579344	484253	296113	224142	51816	107361	88321	217996	224860	238107	47120	0	2559433
Rockfish, yellowtail..	278987	270227	452344	209167	233855	157516	246201	237578	326702	417541	145463	30541	3006122
Rkfsh, Sebastolobus...	154034	207940	143316	129148	128592	70002	104138	82611	146356	159158	41238	60795	1427328
Rockfish, other spp...	357873	479807	448926	422998	514068	284461	446320	631358	1166104	1353905	388792	244925	6739537
Sablefish.....	335536	357339	348731	404232	512328	412932	619116	726787	1142318	659691	26312	4626	5549948
Sanddab, Pacific.....	21600	22792	64156	45367	46033	36859	60290	50114	45947	49248	7965	9873	460244
Shark, soupfin.....	187	217	56	0	87	191	7482	208	36	140	310	150	9064
Shark, thresher.....	0	0	0	0	0	0	0	0	28	0	0	0	28

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, other.....	0	0	0	19	0	439	11	0	0	0	0	29	498
Skates and rays.....	864	896	1654	6369	3174	2728	2555	827	375	0	0	60	19502
Sole, butter.....	66	0	0	325	1023	1535	2665	2542	1789	22	562	88	10617
Sole, curlfin (turbot)	227	554	10	494	298	1470	1017	2481	1350	39	881	236	9057
Sole, Dover.....	1152559	1046510	1399952	1051895	705332	394789	914117	1034046	1749185	2097254	878215	840761	13264615
Sole, English.....	55781	38328	33487	49496	104644	113741	284956	139288	185533	197211	48583	57259	1308307
Sole, flathead.....	0	0	0	0	0	32	196	286	539	171	0	0	1224
Sole, petrale.....	523738	249869	45127	40954	41810	50441	126254	83710	80528	147545	131908	356262	1878146
Sole, rex.....	27172	33121	19493	31197	43513	51407	80814	69414	97226	131054	22763	22833	630007
Sole, rock.....	10	64	0	0	211	732	14	142	327	110	644	244	2498
Sole, sand.....	5448	1018	30022	54749	76675	53962	85181	111655	40682	35794	3568	1436	500190
Sturgeon, green.....	99	0	129	300	1524	336	504	239	101	420	109	294	4055
Sturgeon, white.....	0	0	43	479	920	1003	2275	254	195	392	0	0	5561
Wolf-eel.....	0	0	6	74	417	1079	1591	1287	713	103	0	0	5270
Wrymouth.....	0	0	0	0	25	34	30	14	0	0	0	0	103
Miscellaneous.....	0	0	0	0	7	0	0	0	0	0	0	0	7
CRUSTACEANS:													
Crab, box.....	5	0	0	0	0	0	0	0	0	0	0	0	5
Crab, Tanner.....	121	0	0	0	0	0	0	0	0	0	0	0	121
MOLLUSKS:													
Octopus.....	51	139	243	316	772	864	1668	1833	806	208	100	88	7088
Squid.....	0	5	0	0	0	0	0	0	0	0	0	24	29
TOTAL	3977373	3651823	3714938	3013234	3114900	2312897	4083888	4408070	6288445	6614397	2007506	1789043	44976514
<u>MIDWATER TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	100	0	0	0	0	0	0	0	0	100
Hake, Pac. (Whiting)..	0	0	0	0	64524	0	31326	42971	31792	40695	35892	0	247200
Lingcod.....	100	0	0	0	122	16	123	0	28	1818	0	0	2207
Mackerel.....	0	0	0	0	0	0	0	1540	0	0	0	0	1540

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Nominal POP.....	48	665	2830	8327	5130	4115	0	13362	9370	0	0	0	43847
Rockfish, widow.....	1365918	1732556	1579723	1143719	700397	554711	663866	1152934	1861322	623870	6666	0	11385682
Rockfish, yellowtail..	7752	66754	49734	113586	53910	32706	34127	56568	27148	8316	0	0	450601
Rockfish, other spp...	2679	4364	4099	16166	18656	12583	0	3218	8555	13138	0	0	83458
Sablefish.....	0	0	5250	0	0	0	0	0	0	0	0	0	5250
Shark, soupfin.....	0	40	0	0	0	0	0	0	0	0	0	0	40
Sole, Dover.....	100	0	0	0	0	0	0	0	0	0	0	0	100
Sole, petrale.....	158	0	0	0	0	0	0	0	0	0	0	0	158
TOTAL	1376755	1804379	1641636	1281898	842739	604131	729442	1270593	1938215	687837	42558	0	12220183

SHRIMP TRAWL

FISH:

Cod, Pacific.....	0	0	0	548	2937	2273	9904	4616	6941	6409	0	0	33628
Flounder, arrowtooth..	0	0	0	7553	4252	1762	615	6330	680	1094	0	0	22286
Flounder, starry.....	0	0	0	0	0	0	20	0	0	0	0	0	20
Hake, Pac. (Whiting)..	0	0	0	0	923	0	3005	1149	8201	0	0	0	13278
Lingcod.....	0	0	0	5405	5224	4836	11516	14665	14701	8120	0	0	64467
Pac. Oc. Perch.....	0	0	0	4923	3934	90	6	0	954	0	0	0	9907
Nominal POP.....	0	0	0	2289	8578	1694	2110	829	6887	574	0	0	22961
Rockfish, widow.....	0	0	0	8335	0	1379	0	210	1909	531	0	0	12364
Rockfish, yellowtail..	0	0	0	79695	88569	22173	16628	586	5511	6518	0	0	219680
Rkfsh, Sebastolobus...	0	0	0	19991	7726	1077	3072	2386	5322	5195	0	0	44769
Rockfish, other spp...	0	0	0	275680	313950	169882	310890	193475	197470	285852	0	0	1747199
Sablefish.....	0	0	0	223	5104	4546	18110	17158	12065	4514	0	0	61720
Sanddab, Pacific.....	0	0	0	1650	254	0	47	11	2706	1876	0	0	6544
Shark, soupfin.....	0	0	0	0	0	149	297	164	38	0	0	0	648
Shark, other.....	0	0	0	0	0	0	45	0	82	0	0	0	127
Skates and rays.....	0	0	0	0	0	0	0	34	0	7	0	0	41
Sole, curlfin (turbot)	0	0	0	0	0	321	241	0	0	0	0	0	562
Sole, Dover.....	0	0	0	5332	10914	8092	20393	8618	20654	13390	0	0	87393

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, English.....	0	0	0	355	121	234	98	533	99	822	0	0	2262
Sole, flathead.....	0	0	0	0	0	44	0	43	0	0	0	0	87
Sole, petrale.....	0	0	0	1506	900	377	288	278	517	1394	0	0	5260
Sole, rex.....	0	0	0	130	10	163	238	812	171	490	0	0	2014
Sole, sand.....	0	0	0	0	0	0	31	0	20	196	0	0	247
Wolf-eel.....	0	0	0	0	0	0	44	0	0	0	0	0	44
Wrymouth.....	0	0	0	0	0	145	0	0	0	6	0	0	151
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	9438560	6557797	6474421	7375322	4776575	5134686	4832111	0	0	44589472
MOLLUSKS:													
Octopus.....	0	0	0	70	71	138	95	152	68	166	0	0	760
TOTAL	0	0	0	9852245	7011264	6693796	7773015	5028624	5419682	5169265	0	0	46947891
<u>OCEAN GILLNET</u>													
FISH:													
Opah.....	0	0	0	0	0	0	110	0	570	0	0	0	680
Shark, soupfin.....	0	0	0	0	0	0	4231	867	0	0	0	0	5098
Shark, thresher.....	0	0	0	0	0	0	55316	22958	18610	4384	0	0	101268
Shark, other.....	0	0	0	0	0	0	1312	247	0	0	0	0	1559
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	158	0	0	158
Tuna, other.....	0	0	0	0	0	0	13	0	0	0	0	0	13
Miscellaneous.....	0	0	0	0	0	0	183	0	255	0	0	0	438
TOTAL	0	0	0	0	0	0	61165	24072	19435	4542	0	0	109214
<u>CRAB POT</u>													
FISH:													
Cabezon.....	846	523	728	439	756	205	114	28	0	0	0	71	3710
Flounder, arrowtooth..	0	7	0	3	0	0	0	0	0	0	0	0	10
Flounder, starry.....	0	0	3	6	0	0	0	0	0	0	0	0	9
Lingcod.....	244	163	168	101	53	33	10	0	0	0	0	4	776

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, other spp...	238	201	450	131	28	44	8	0	57	0	0	14	1171
Skates and rays.....	0	2	1	3	0	0	0	0	0	0	0	0	6
Sole, sand.....	4	0	5	8	0	0	0	0	0	0	0	0	17
Wolf-eel.....	8	54	425	553	712	359	219	79	15	0	0	0	2424
Miscellaneous.....	1	3	0	0	0	0	0	18	0	0	0	0	22
CRUSTACEANS:													
Crab, box.....	11	0	0	8	0	0	0	0	0	0	0	0	19
Crab, Dungeness, Oc...	715301	335897	170962	175181	149421	89247	147485	82293	0	0	0	4062344	5928131
Crab, rock.....	0	7	0	17	0	0	6	58	249	68	104	0	509
MOLLUSKS:													
Octopus.....	1394	1160	763	213	141	0	40	0	0	50	42	5984	9787
TOTAL	718047	338017	173505	176663	151111	89888	147882	82476	321	118	146	4068417	5946391
<u>CRAB RING</u>													
CRUSTACEANS:													
Miscellaneous.....	0	0	1	0	0	2	1	7	0	0	1	0	12
CRUSTACEANS:													
Crab, Dungeness, Bay..	966	242	145	48	58	91	0	0	9873	27339	21062	2675	62499
Crab, Dungeness, Oc...	239	0	0	0	0	0	0	0	0	0	0	0	239
Crab, rock.....	70	423	543	1197	502	301	47	569	208	89	256	341	4546
TOTAL	1275	665	689	1245	560	394	48	576	10081	27428	21319	3016	67296
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, butter.....	0	191	0	80	725	372	149	398	232	154	71	53	2425
Clams, cockle.....	3431	450	600	751	1512	780	372	220	0	0	0	0	8116
Clams, gaper.....	0	0	0	0	0	0	263	705	0	0	0	0	968
Clams, littleneck....	0	65	0	3	10	33	61	19	0	0	0	0	191
Clams, softshell.....	0	132	184	30	149	379	173	445	380	291	187	177	2527
Clams, razor.....	178	499	2875	5589	5693	5693	1545	0	3320	2352	867	586	29197

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TOTAL	3609	1337	3659	6453	8089	7257	2563	1787	3932	2797	1125	816	43424
<u>HAND DEVICE</u>													
FISH:													
Lamprey.....	0	0	0	0	253	5080	300	0	0	0	0	0	5633
Lingcod.....	0	0	0	0	0	0	0	0	0	23	0	0	23
Rockfish, other spp....	0	0	0	0	0	0	0	0	0	435	0	0	435
Miscellaneous.....	0	9	60	0	0	0	4	142	393	367	0	0	975
CRUSTACEANS:													
Crab, rock.....	17	0	0	0	0	0	0	0	142	0	0	107	266
Shrimp, brine.....	0	0	0	0	3700	8700	10700	0	0	0	0	0	23100
MOLLUSKS:													
Clams, butter.....	0	0	0	416	44	52	0	0	30	4	75	0	621
Clams, cockle.....	1000	2100	0	0	194	2309	0	500	0	379	4354	1250	12086
Clams, gaper.....	0	0	0	0	0	0	417	293	1788	1968	654	280	5400
Clams, littleneck.....	603	246	244	1234	1212	2169	2602	2174	1760	1274	431	0	13949
Mussels, ocean.....	3203	5505	4008	1446	3042	5705	2110	3610	7249	5243	4037	3745	48903
Mussels, freshwater...	0	0	0	0	0	0	0	3407	0	0	0	0	3407
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	1564	470	14887	19325	7138	258	5854	29636	73864	35804	13999	202799
TOTAL	4823	9424	4782	17983	27770	31153	16391	15980	40998	83557	45355	19381	317597
<u>SCALLOP DREDGE</u>													
MOLLUSKS:													
Lingcod.....	0	235	0	0	0	0	0	0	0	0	0	0	235
MOLLUSKS:													
Scallops, weathervane	0	12712	878	0	0	0	0	0	0	0	0	0	13590
TOTAL	0	12947	878	0	0	0	0	0	0	0	0	0	13825

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1987. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	2186	1843	3049	3655	5606	5297	5705	5526	6353	4592	5094	3564	52470
Shrimp, mud.....	6652	7299	5431	2912	1621	1477	926	1285	1720	2145	4323	6482	42273
TOTAL	8838	9142	8480	6567	7227	6774	6631	6811	8073	6737	9417	10046	94743
<u>BAITFISH NET</u>													
FISH:													
Carp.....	0	0	0	0	2023	913	7216	1032	0	0	0	0	11184
Herring, Pacific.....	0	490317	0	207	0	1696	1046	326	0	0	0	0	493592
Smelt.....	647	19212	2110	0	0	10	0	0	0	0	0	0	21979
Surfperch.....	0	4	6	0	0	0	0	0	0	0	0	0	10
TOTAL	647	509533	2116	207	2023	2619	8262	1358	0	0	0	0	526765
<u>CRAYFISH TRAP</u>													
CRUSTACEANS:													
Crayfish.....	0	0	0	17792	33200	65240	87348	59603	50587	22509	0	0	336279
TOTAL	0	0	0	17792	33200	65240	87348	59603	50587	22509	0	0	336279
TOTAL	6194070	6781521	5943688	15086067	12857796	12127823	19401708	14623542	22975744	14480132	2237691	5902194	138611976

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TABLE 25. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR FROM THE COLUMBIA RIVER, 1987. 11

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
<u>COL. R. GILLNET</u>													
FISH:													
Flounder, starry.....	0	447	198	0	0	0	0	7710	7753	2247	407	0	18762
Salmon, chinook.....	127	131163	29501	0	0	430	52	199573	3667031	155951	12244	0	4196072
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2688	4121	0	6809
Salmon, coho.....	0	0	0	0	0	0	0	1794	580107	245716	22042	0	849659
Salmon, pink.....	0	0	0	0	0	0	0	0	3	9	0	0	12
Salmon, sockeye.....	0	0	0	0	0	49848	16989	0	0	0	0	0	66837
Shad, American.....	0	0	0	0	99582	214053	0	0	0	0	0	0	313635
Smelt.....	0	890	58	0	0	0	0	0	0	0	0	0	948
Steelhead.....	0	0	0	0	0	0	0	0	10	0	0	0	10
Sturgeon, green.....	0	83	30	0	0	658	0	49571	12569	539	48	0	63498
Sturgeon, white.....	9229	22772	6545	0	0	318	35	77614	50119	25124	14554	0	206310
TOTAL	9356	155355	36332	0	99582	265307	17076	336262	4317592	432274	53416	0	5722552
<u>COL. R. DIPNET</u>													
FISH:													
Smelt.....	0	13980	383	0	0	0	0	0	0	0	0	0	14363
TOTAL	0	13980	383	0	0	0	0	0	0	0	0	0	14363
<u>SHELT TRAWL</u>													
FISH:													
Smelt.....	0	11435	0	0	0	0	0	0	0	0	0	0	11435
TOTAL	0	11435	0	0	0	0	0	0	0	0	0	0	11435
TOTAL	9356	180770	36715	0	99582	265307	17076	336262	4317592	432274	53416	0	5748350

TABLE 25. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR FROM THE COLUMBIA RIVER, 1987. 1/(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>ABOVE BONNEVILLE DAM</u>													
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	0	2477	0	0	2656	3378	167811	1095677	51445	0	0	1323444
Salmon, coho.....	0	0	0	0	0	0	0	203	3659	884	0	0	4746
Salmon, sockeye.....	0	0	0	0	0	25257	29253	0	0	0	0	0	54510
Shad, American.....	0	0	0	0	0	1870	3070	0	0	0	0	0	4940
Steelhead.....	0	8516	6470	0	0	2596	13361	82859	156037	30501	0	0	300340
Sturgeon, white.....	0	53530	33232	0	0	5046	5269	48395	26011	15936	0	0	187419
TOTAL	0	62046	42179	0	0	37425	54331	299268	1281384	98766	0	0	1875399
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	737	2322	2511	5937	0	0	6426	2893	148	1238	5978	775	28965
TOTAL	737	2322	2511	5937	0	0	6426	2893	148	1238	5978	775	28965
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	177	82	747	2175	181	0	0	3362
Salmon, coho.....	0	0	0	0	0	0	0	0	492	22	0	0	514
Salmon, sockeye.....	0	0	0	0	0	1574	1116	0	0	0	0	0	2690
Steelhead.....	0	0	0	0	0	2429	2293	9220	4945	174	0	0	19061
TOTAL	0	0	0	0	0	4180	3491	9967	7612	377	0	0	25627
TOTAL	737	64368	44690	5937	0	41605	64248	312128	1289144	100381	5978	775	1929991
TOTAL	10093	245138	81405	5937	99582	306912	81324	648390	5606736	532655	59394	775	7678341

1/ OREGON LANDINGS ONLY

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1987. 1 / 2 /

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TROLL													
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	16	0	0	0	0	0	16
Lingcod.....	0	0	0	0	89	0	100	30	52	45	0	0	315
Rockfish, other spp...	0	0	0	0	47	0	2285	41	46	84	0	0	2503
Salmon, chinook.....	0	0	0	0	41351	140	30166	8594	7685	2343	17	0	90296
Salmon, coho.....	0	0	0	0	0	0	53075	2656	2135	0	0	0	57866
Salmon, pink.....	0	0	0	0	0	0	342	0	0	0	0	0	342
Shark, soupfin.....	0	0	0	0	0	0	30	0	0	0	0	0	30
Shark, other.....	0	0	0	0	0	0	20	0	0	0	0	0	20
Tuna, albacore.....	0	0	0	0	0	0	0	187443	185410	102166	0	0	475019
TOTAL	0	0	0	0	41486	140	86034	198764	195328	104638	17	0	626407
FISH POT													
FISH:													
Flounder, arrowtooth..	0	0	0	0	2155	922	380	327	10	0	0	0	3794
Pac. Oc. Perch.....	0	0	0	0	0	0	24	0	0	0	0	0	24
Nominal POP.....	0	0	0	0	0	0	0	0	17	0	0	0	17
Rkfsh, Sebastolobus...	0	0	0	0	0	0	60	55	50	0	0	0	165
Rockfish, other spp...	0	0	0	0	900	1120	776	761	237	0	0	0	3794
Sablefish.....	0	0	21153	0	44910	80623	85860	192982	84503	56400	0	0	566431
TOTAL	0	0	21153	0	47965	82665	87100	194125	84817	56400	0	0	574225
BOTTOM LONGLINE													
FISH:													
Cod, Pacific.....	0	0	0	0	339	390	335	110	389	0	0	0	1563
Flounder, arrowtooth..	0	0	0	0	0	0	31	0	646	155	0	0	832

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1987. 1/ 2/

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Halibut, Pacific.....	0	0	0	0	0	336931	22348	158672	58130	0	0	0	576081
Lingcod.....	0	0	0	0	356	6232	673	31	814	119	0	0	8225
Nominal POP.....	0	0	0	0	363	0	0	2859	1464	0	0	0	4686
Rkfish, Sebastolobus...	0	0	0	0	0	7	360	1819	1646	768	0	0	4600
Rockfish, other spp...	0	0	0	0	40183	24412	21577	14375	41387	10075	0	0	152009
Sablefish.....	0	0	0	0	92955	61547	83368	48825	70874	23131	0	0	380700
Shark, soupfin.....	0	0	0	0	0	0	58	0	0	0	0	0	58
Sole, Dover.....	0	0	0	0	0	0	0	0	30	0	0	0	30
Sole, petrale.....	0	0	0	0	32	0	0	0	103	0	0	0	135
TOTAL	0	0	0	0	134228	429519	128750	226691	175483	34248	0	0	1128919
<u>PELAGIC LONGLINE</u>													
FISH:													
Opah.....	0	0	0	0	0	0	1047	0	0	0	0	0	1047
Shark, thresher.....	0	0	0	0	0	0	368	0	0	0	0	0	368
Shark, other.....	0	0	0	0	0	0	247	0	0	0	0	0	247
Tuna, albacore.....	0	0	0	0	0	0	328	0	0	0	0	0	328
Miscellaneous.....	0	0	0	0	0	0	2335	0	0	0	0	0	2335
TOTAL	0	0	0	0	0	0	4325	0	0	0	0	0	4325
<u>GROUND FISH TRAWL</u>													
FISH:													
Cod, Pacific.....	10716	8180	5246	39843	59318	92029	148451	89413	94931	151253	23814	14484	737678
Flounder, arrowtooth..	43441	51304	80511	42495	74838	122772	214665	295999	183922	82657	14977	21122	1228703
Flounder, starry.....	100	155	2124	7421	30108	19157	19730	28057	8983	17211	1222	0	134268
Hake, Pac. (Whiting)..	0	0	0	0	4295	3708	6826	21790	0	0	0	0	36619
Lingcod.....	15759	15509	15486	11569	17763	20287	60422	124895	112746	59807	21407	2930	478580
Pac. Oc. Perch.....	45783	41018	54425	52227	66604	55747	74335	102031	64358	43578	20944	18024	639074

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1987. 1 / 2 /

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Nominal POP.....	18496	14662	12958	7244	59032	17333	27123	30905	30842	24327	2758	4710	250390
Rockfish, widow.....	254277	254123	63344	85228	38331	105951	61886	144780	98191	51077	21269	0	1178457
Rockfish, yellowtail..	228304	195944	253743	130200	198638	154321	236635	206284	146021	213653	32608	19702	2016053
Rkfsh, Sebastolobus...	17292	8348	33284	32763	29101	10041	13473	20074	9030	2733	6329	7990	190458
Rockfish, other spp...	244152	175354	201694	172591	228207	168907	252257	404624	290708	288169	114204	69323	2610190
Sablefish.....	65250	61995	112631	181526	151201	209260	261033	301249	342296	168240	0	0	1854681
Sanddab, Pacific.....	20258	4868	9223	26032	25006	2450	20395	10600	18544	22136	3203	1880	164595
Shark, soupfin.....	65	114	0	0	0	167	7449	181	36	30	24	0	8066
Shark, thresher.....	0	0	0	0	0	0	0	0	28	0	0	0	28
States and rays.....	0	0	309	3099	641	0	0	558	0	0	0	60	4667
Sole, butter.....	66	0	0	0	0	51	0	0	0	0	0	0	117
Sole, Dover.....	277036	230915	544028	459256	207835	189050	322899	376028	394803	324557	148326	126183	3600916
Sole, English.....	17524	8725	10347	23428	48630	52058	182565	74563	27695	64018	11783	9845	531181
Sole, flathead.....	0	0	0	0	0	32	0	0	0	0	0	0	32
Sole, petrale.....	200660	107059	19828	27221	23682	25442	58615	57524	41870	71028	23801	63995	720725
Sole, rex.....	10843	10243	7361	14895	27714	46850	69368	62523	72274	84762	9900	5333	422066
Sole, sand.....	3782	432	29045	51274	67982	39486	52133	66024	11316	27272	1123	0	349869
Sturgeon, green.....	0	0	0	146	470	302	472	213	29	110	0	0	1742
Sturgeon, white.....	0	0	43	70	0	0	390	0	0	140	0	0	643
Wolf-eel.....	0	0	0	34	251	426	190	350	174	0	0	0	1425
Wrymouth.....	0	0	0	0	6	34	30	14	0	0	0	0	84
MOLLUSKS:													
Octopus.....	51	94	89	294	553	708	1165	1523	646	63	100	0	5286
TOTAL	1473855	1189042	1455719	1368856	1360206	1336569	2092507	2420202	1949443	1696821	457792	365581	17166593
MIDWATER TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	100	0	0	0	0	0	0	0	0	100

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1987. 1 / 2 /

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Lingcod.....	0	0	0	0	92	0	0	0	0	0	0	0	92
Nominal POP.....	0	0	0	8327	5130	4115	0	6305	4024	0	0	0	27901
Rockfish, widow.....	314719	584222	642227	469580	359994	417795	556466	539720	302990	170772	0	0	4358485
Rockfish, yellowtail..	6655	62917	48244	113586	53515	32706	34119	56568	21216	8316	0	0	437842
Rockfish, other spp...	0	2290	0	0	18656	12583	0	1862	5090	0	0	0	40481
Sablefish.....	0	0	5250	0	0	0	0	0	0	0	0	0	5250
Sole, Dover.....	100	0	0	0	0	0	0	0	0	0	0	0	100
Sole, petrale.....	150	0	0	0	0	0	0	0	0	0	0	0	150
TOTAL	321624	649429	695721	591593	437387	467199	590585	604455	333320	179088	0	0	4870401
<u>SHRIMP TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	93	980	1162	1116	1266	553	1530	0	0	6700
Flounder, arrowtooth..	0	0	0	0	88	701	562	3380	7	81	0	0	4819
Flounder, starry.....	0	0	0	0	0	0	20	0	0	0	0	0	20
Lingcod.....	0	0	0	1669	1885	2930	2896	9983	7817	2763	0	0	29943
Pac. Oc. Perch.....	0	0	0	0	1028	70	0	0	0	0	0	0	1098
Nominal POP.....	0	0	0	0	0	0	0	0	93	0	0	0	93
Rockfish, yellowtail..	0	0	0	35225	13381	8301	11085	0	3612	6518	0	0	78122
Rockfish, other spp...	0	0	0	159344	192477	108277	190858	142202	114251	206951	0	0	1114360
Sablefish.....	0	0	0	101	537	2818	7321	10053	1873	2675	0	0	25378
Sanddab, Pacific.....	0	0	0	139	0	0	15	0	0	58	0	0	212
Shark, soupfin.....	0	0	0	0	0	26	176	110	38	0	0	0	350
Skates and rays.....	0	0	0	0	0	0	0	34	0	0	0	0	34
Sole, Dover.....	0	0	0	803	1987	3813	2913	1880	1370	4086	0	0	16852
Sole, English.....	0	0	0	11	10	190	9	12	0	183	0	0	415
Sole, flathead.....	0	0	0	0	0	44	0	43	0	0	0	0	87
Sole, petrale.....	0	0	0	742	436	217	89	77	26	781	0	0	2368
Sole, rex.....	0	0	0	52	10	159	34	0	38	119	0	0	412

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1987. 1/ 2/ (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, sand.....	0	0	0	0	0	0	31	0	0	10	0	0	41
Wolf-eel.....	0	0	0	0	0	0	3	0	0	0	0	0	3
Wrymouth.....	0	0	0	0	0	145	0	0	0	6	0	0	151
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	3052561	2226352	3270956	3537173	3008400	1888828	2309235	0	0	19293505
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	111	68	0	0	0	179
TOTAL	0	0	0	3250740	2439171	3399809	3754301	3177551	2018574	2534996	0	0	20575142
OCEAN GILLNET													
FISH:													
Opah.....	0	0	0	0	0	0	27	0	570	0	0	0	597
Shark, soupfin.....	0	0	0	0	0	0	2886	867	0	0	0	0	3753
Shark, thresher.....	0	0	0	0	0	0	42066	21410	18610	4384	0	0	86470
Shark, other.....	0	0	0	0	0	0	803	247	0	0	0	0	1050
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	158	0	0	158
Tuna, other.....	0	0	0	0	0	0	13	0	0	0	0	0	13
Miscellaneous.....	0	0	0	0	0	0	0	0	255	0	0	0	255
TOTAL	0	0	0	0	0	0	45795	22524	19435	4542	0	0	92296
CRAB POT													
FISH:													
Lingcod.....	19	4	15	0	0	0	0	0	0	0	0	0	38
Rockfish, other spp...	0	3	0	3	0	0	0	0	0	0	0	0	6
CRUSTACEANS:													
Crab, Dungeness, Oc...	157245	44618	41426	28717	15980	8075	10133	3686	0	0	0	1164715	1474595
TOTAL	157264	44625	41441	28720	15980	8075	10133	3686	0	0	0	1164715	1474639
TOTAL	1952743	1883096	2214034	5239909	4476423	5723976	6799530	6847998	4776400	4610733	457809	1530296	46512947

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TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1987. 1/ 2/ (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
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1/ OCEAN LANDINGS ONLY; SEE TABLE 25 FOR COLUMBIA RIVER LANDINGS

2/ INCLUDES LANDINGS AT WARRENTON AND HAHKOND.

TABLE 26A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GEARHART/SEASIDE, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	811	0	30	0	0	0	841
Salmon, coho.....	0	0	0	0	0	0	2922	0	5	0	0	0	2927
Salmon, pink.....	0	0	0	0	0	0	93	0	0	0	0	0	93
TOTAL	0	0	0	0	0	0	3826	0	35	0	0	0	3861
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, razor.....	178	499	2875	5589	5693	5693	1545	0	3320	2352	867	586	29197
TOTAL	178	499	2875	5589	5693	5693	1545	0	3320	2352	867	586	29197
TOTAL	178	499	2875	5589	5693	5693	5371	0	3355	2352	867	586	33058

TABLE 26B. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CANNON BEACH, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	4402	468	0	0	0	0	4870
Salmon, coho.....	0	0	0	0	0	0	4750	480	0	0	0	0	5230
Salmon, pink.....	0	0	0	0	0	0	287	16	0	0	0	0	303
TOTAL	0	0	0	0	0	0	9439	964	0	0	0	0	10403
TOTAL	0	0	0	0	0	0	9439	964	0	0	0	0	10403

TABLE 27. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEHALEM BAY, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRAB RING</u>													
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	15	25	0	0	50	24	34	25	173
TOTAL	0	0	0	0	15	25	0	0	50	24	34	25	173
<u>HAND DEVICE</u>													
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	500	0	0	0	0	500
Clams, littleneck.....	0	0	0	305	274	2020	2481	2174	1750	1219	0	0	10223
Mussels, ocean.....	0	0	0	0	370	416	422	0	70	0	0	0	1278
TOTAL	0	0	0	305	644	2436	2903	2674	1820	1219	0	0	12001
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	52	58	158	334	641	522	384	328	345	369	398	0	3589
TOTAL	52	58	158	334	641	522	384	328	345	369	398	0	3589
TOTAL	52	58	158	639	1300	2983	3287	3002	2215	1612	432	25	15763

TABLE 28. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GARIBALDI, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TROLL													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	4	10	0	0	0	14
Halibut, Pacific.....	0	0	0	0	0	0	898	0	0	0	0	0	898
Lingcod.....	0	0	0	0	160	359	842	732	527	34	0	0	2654
Mackeral.....	0	0	0	0	0	0	0	9	0	0	0	0	9
Rockfish, other spp...	0	0	0	0	202	108	2174	3207	3332	745	0	0	9768
Sablefish.....	0	0	0	0	0	0	19	0	0	0	0	0	19
Salmon, chinook.....	0	0	0	0	10591	19272	143658	95601	83518	34825	0	0	387465
Salmon, coho.....	0	0	0	0	0	0	107428	54407	25086	0	0	0	186921
Salmon, pink.....	0	0	0	0	0	0	5125	696	12	0	0	0	5833
Tuna, albacore.....	0	0	0	0	0	0	0	12867	7691	0	0	0	20558
TOTAL	0	0	0	0	10953	19739	260144	167523	120176	35604	0	0	614139
BOTTOM LONGLINE													
FISH:													
Flounder, arrowtooth..	0	0	0	16	113	8	109	2	8	0	0	0	256
Halibut, Pacific.....	0	0	0	0	0	0	1191	0	0	0	0	0	1191
Lingcod.....	0	0	47	0	50	0	702	110	119	323	0	0	1351
Nominal POP.....	0	0	0	0	0	0	0	22	0	0	0	0	22
Rockfish, widow.....	0	0	0	0	0	0	20	117	0	0	0	0	137
Rkfsh, Sebastolobus...	0	0	0	46	263	228	364	182	54	402	0	0	1539
Rockfish, other spp...	0	0	95	89	2214	696	2836	730	571	783	0	0	8014
Sablefish.....	0	0	0	1854	12456	6292	13119	8262	2730	5653	0	0	50366
Sole, Dover.....	0	0	0	6	6	0	24	10	4	0	0	0	50
Sole, petrale.....	0	0	0	0	0	0	0	8	0	0	0	0	8
TOTAL	0	0	142	2011	15102	7224	18365	9443	3486	7161	0	0	62934

TABLE 28. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GARIBALDI, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabazon.....	0	0	0	0	0	0	0	67	0	0	0	0	67
Herring, Pacific.....	0	0	0	112	0	0	0	0	0	0	0	0	112
Lingcod.....	0	0	89	96	102	43	340	305	180	151	0	0	1306
Rockfish, other spp....	0	0	562	976	1333	606	2189	1201	2847	1633	23	0	11370
TOTAL	0	0	651	1184	1435	649	2529	1573	3027	1784	23	0	12855
<u>GROUND FISH TRAWL</u>													
FISH:													
Cod, Pacific.....	1027	10756	3838	0	0	0	0	699	5705	4879	0	6565	33469
Flounder, arrowtooth..	3797	3104	552	0	0	0	1163	1102	3484	2986	1281	11191	28660
Flounder, starry.....	0	4	0	0	0	0	0	21	75	0	0	0	100
Lingcod.....	7144	6666	4095	0	0	0	175	278	12284	5770	0	10633	47045
Pac. Oc. Perch.....	4327	0	0	0	0	0	0	0	3614	5294	0	0	13235
Nominal POP.....	26382	23070	8304	0	0	0	0	231	12186	7156	0	1825	79154
Rockfish, widow.....	0	3278	5544	0	0	0	0	0	7453	55	0	0	16330
Rockfish, yellowtail..	0	5775	7015	0	0	0	0	0	2000	0	0	0	14790
Rkfsh, Sebastolobus...	1009	1266	1608	0	0	0	559	111	3575	6043	0	5911	20082
Rockfish, other spp....	3257	18176	62158	0	0	0	25	7080	74952	72919	20538	55278	314383
Sablefish.....	1133	3326	5143	0	0	0	215	1238	17852	28267	0	79	57253
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	254	0	0	0	254
Shark, soupfin.....	0	30	0	0	0	0	0	0	0	0	0	0	30
Sole, Dover.....	3495	10461	28399	0	0	0	5823	14577	54171	83436	11047	68728	280137
Sole, English.....	2602	1249	492	0	0	0	5	958	2209	2524	0	1374	11413
Sole, flathead.....	0	0	0	0	0	0	196	286	539	171	0	0	1192
Sole, petrale.....	26293	10652	3222	0	0	0	20	202	1314	5432	1695	43452	92282
Sole, rex.....	1303	2358	1155	0	0	0	74	184	805	2557	0	4222	12658

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TABLE 28. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GARIBALDI, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, sand.....	0	0	0	0	0	0	38	0	200	0	0	0	238
MOLLUSKS:													
Octopus.....	0	20	0	0	0	0	0	0	0	0	0	0	20
Squid.....	0	5	0	0	0	0	0	0	0	0	0	0	5
TOTAL	81769	100196	131525	0	0	0	8293	26967	202672	227489	34561	209258	1022730
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	0	260	1810	1424	1236	2868	0	0	7598
Flounder, arrowtooth..	0	0	0	0	0	0	0	2660	213	934	0	0	3807
Hake, Pac. (Whiting)..	0	0	0	0	923	0	0	0	0	0	0	0	923
Lingcod.....	0	0	0	42	0	222	3549	2849	1719	3061	0	0	11442
Pac. Oc. Perch.....	0	0	0	0	64	0	0	0	0	0	0	0	64
Rockfish, widow.....	0	0	0	1157	0	0	0	0	92	531	0	0	1780
Rockfish, yellowtail..	0	0	0	18834	29554	11077	0	0	0	0	0	0	59465
Rkfsh, Sebastolobus...	0	0	0	0	0	1074	2698	0	0	0	0	0	3772
Rockfish, other spp...	0	0	0	11421	12746	11460	25610	8169	8212	12978	0	0	90596
Sablefish.....	0	0	0	0	0	250	0	349	389	0	0	0	988
Sole, curlfin (turbot)	0	0	0	0	0	321	241	0	0	0	0	0	562
Sole, Dover.....	0	0	0	0	0	585	3608	3226	744	1464	0	0	9627
Sole, English.....	0	0	0	0	0	0	0	516	15	0	0	0	531
Sole, petrale.....	0	0	0	0	0	0	110	184	34	0	0	0	328
Sole, rex.....	0	0	0	0	0	0	165	812	118	198	0	0	1293
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	530058	675208	730484	686311	428580	546633	406415	0	0	4003689
TOTAL	0	0	0	561512	718495	755733	724102	448769	559405	428449	0	0	4196465

TABLE 28. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GARIBALDI, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRAB POT													
FISH:													
Cabazon.....	0	0	28	48	74	54	80	0	0	0	0	0	284
Lingcod.....	0	15	0	0	53	33	0	0	0	0	0	0	101
Rockfish, other spp...	6	9	40	30	13	37	0	0	0	0	0	11	146
Wolf-eel.....	0	0	0	0	0	114	63	0	0	0	0	0	177
CRUSTACEANS:													
Crab, box.....	4	0	0	8	0	0	0	0	0	0	0	0	12
Crab, Dungeness, Oc...	49291	24996	17632	9570	21317	13827	23208	7470	0	0	0	130370	297681
MOLLUSKS:													
Octopus.....	0	30	105	30	36	0	0	0	0	0	0	0	201
TOTAL	49301	25050	17805	9686	21493	14065	23351	7470	0	0	0	130381	298602
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	0	170	84	10	264
TOTAL	0	0	0	0	0	0	0	0	0	170	84	10	264
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, butter.....	0	191	0	80	665	295	149	148	0	0	0	0	1528
Clams, cockle.....	1581	15	0	751	1192	780	372	220	0	0	0	0	4911
Clams, gaper.....	0	0	0	0	0	0	185	705	0	0	0	0	890
Clams, littleneck.....	0	65	0	3	10	33	61	19	0	0	0	0	191
TOTAL	1581	271	0	834	1867	1108	767	1092	0	0	0	0	7520

TABLE 28. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GARIBALDI, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>HAND DEVICE</u>													
MOLLUSKS:													
Clams, butter.....	0	0	0	14	44	52	0	0	0	0	75	0	185
Clams, cockle.....	1000	2100	0	0	194	2309	0	0	0	379	4317	1250	11549
Clams, littleneck.....	603	246	244	895	938	149	121	0	10	45	431	0	3682
Mussels, ocean.....	0	0	461	461	175	281	452	1840	1450	1200	500	0	6820
TOTAL	1603	2346	705	1370	1351	2791	573	1840	1460	1624	5323	1250	22236
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	260	214	805	555	922	1279	1345	1053	530	281	0	0	7244
Shrimp, mud.....	2775	2550	3069	1355	0	0	0	350	277	399	1768	3027	15570
TOTAL	3035	2764	3874	1910	922	1279	1345	1403	807	680	1768	3027	22814
<u>BAITFISH NET</u>													
FISH:													
Herring, Pacific.....	0	0	0	207	0	0	0	0	0	0	0	0	207
TOTAL	0	0	0	207	0	0	0	0	0	0	0	0	207
TOTAL	137289	130627	154702	578714	771618	802588	1039469	666080	891033	702961	41759	343926	6260766

TABLE 29. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NETARTS BAY, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	0	166	78	0	244
TOTAL	0	0	0	0	0	0	0	0	0	166	78	0	244
BAITSHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost.....	0	0	25	88	92	66	0	0	0	0	0	0	271
Shrimp, mud.....	1297	2319	2006	1452	1617	1475	926	935	1436	1746	2555	3449	21213
TOTAL	1297	2319	2031	1540	1709	1541	926	935	1436	1746	2555	3449	21484
TOTAL	1297	2319	2031	1540	1709	1541	926	935	1436	1912	2633	3449	21728

TABLE 30. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PACIFIC CITY, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Cabezon.....	0	0	0	0	0	6	0	28	4	0	0	0	38
Flounder, starry.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Hake, Pac. (Whiting)...	0	0	0	0	0	0	0	477	33	0	0	0	510
Halibut, Pacific.....	0	0	0	0	0	0	418	0	0	0	0	0	418
Lingcod.....	0	0	0	0	47	169	602	693	124	123	0	0	1758
Mackerel.....	0	0	0	0	0	0	619	205	0	0	0	0	824
Rockfish, other spp...	0	0	0	0	357	105	2619	5617	800	0	0	0	9498
Salmon, chinook.....	0	0	0	0	59	282	28052	39776	11262	15405	0	0	94836
Salmon, chum.....	0	0	0	0	0	0	0	0	0	12	0	0	12
Salmon, coho.....	0	0	0	0	0	0	163159	80299	6521	0	0	0	249979
Salmon, pink.....	0	0	0	0	0	0	9765	809	40	0	0	0	10614
Tuna, albacore.....	0	0	0	0	0	0	0	0	578	0	0	0	578
Wolf-eel.....	0	0	0	0	0	0	20	13	0	0	0	0	33
MOLLUSKS:													
Octopus.....	0	0	0	0	0	11	0	0	0	0	0	0	11
TOTAL	0	0	0	0	463	573	205254	127920	19362	15540	0	0	369112
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabezon.....	0	0	12	34	137	167	33	58	12	35	39	0	527
Lingcod.....	0	0	961	507	3384	2494	1399	475	371	710	650	29	11000
Rockfish, widow.....	0	0	0	0	0	231	0	0	0	0	0	0	231
Rockfish, other spp...	0	0	1275	5549	13174	7726	6223	4047	3187	223	76	20	41500
Wolf-eel.....	0	0	0	0	20	6	10	0	0	0	0	0	36
Miscellaneous.....	0	0	0	0	0	0	0	2	0	0	0	0	2

TABLE 30. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PACIFIC CITY, 1987.

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	0	0	0	0	20	0	0	0	0	22	0	0	42
TOTAL	0	0	2268	6090	16735	10624	7665	4582	3570	990	765	49	53338
CRAB POT													
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	115	215	99	0	0	0	0	429
TOTAL	0	0	0	0	0	115	215	99	0	0	0	0	429
BAITSHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost.....	890	505	740	639	1582	1584	2202	2408	3130	2231	1742	1136	16789
TOTAL	890	505	740	639	1582	1584	2202	2408	3130	2231	1742	1136	18789
TOTAL	890	505	3008	6729	18780	12896	215336	135009	26062	18761	2507	1185	441668

TABLE 31. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT SILETZ BAY, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BAITSHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost.....	17	37	43	70	61	69	82	66	82	41	19	12	599
TOTAL	17	37	43	70	61	69	82	66	82	41	19	12	599
TOTAL	17	37	43	70	61	69	82	66	82	41	19	12	599

TABLE 32. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT DEPOE BAY, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TROLL													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	0	0	9	0	0	9
Flounder, arrowtooth..	0	0	0	0	0	0	5	0	0	0	0	0	5
Hake, Pac. (Whiting)...	0	0	0	0	0	0	15	0	0	0	0	0	15
Halibut, Pacific.....	0	0	0	0	0	0	1195	0	0	0	0	0	1195
Lingcod.....	0	0	0	0	39	132	191	99	17	382	0	0	860
Mackerel.....	0	0	0	0	0	0	11	8	9	0	0	0	28
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	3	0	0	0	3
Rockfish, other spp...	0	0	0	0	84	90	787	176	305	259	0	0	1701
Salmon, chinook.....	0	0	0	0	5040	3246	24522	6515	13358	4005	0	0	56686
Salmon, coho.....	0	0	0	0	0	0	61181	4507	5974	0	0	0	71662
Salmon, pink.....	0	0	0	0	0	0	2951	48	7	0	0	0	3006
Shark, other.....	0	0	0	0	0	0	47	0	0	0	0	0	47
Sole, petrale.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Tuna, albacore.....	0	0	0	0	0	0	0	0	169	0	0	0	169
TOTAL	0	0	0	0	5163	3468	90909	11353	19842	4655	0	0	135390
BOTTOM LONGLINE													
FISH:													
Cabezon.....	0	0	34	0	0	0	0	0	0	0	0	0	34
Halibut, Pacific.....	0	0	0	0	0	0	917	0	0	0	0	0	917
Lingcod.....	0	0	40	0	0	0	20	0	0	0	0	0	60
Rockfish, other spp...	0	0	20	0	0	0	499	0	0	0	0	0	519
Sablefish.....	0	0	0	0	0	0	1128	0	0	0	0	0	1128
Shark, soupfin.....	0	0	0	0	0	0	97	0	0	0	0	0	97
TOTAL	0	0	94	0	0	0	2661	0	0	0	0	0	2755

TABLE 32. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT DEPOE BAY, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabezon.....	378	677	1942	1460	83	123	154	30	49	18	219	212	5345
Flounder, starry.....	0	0	3	0	0	0	3	0	0	0	0	0	6
Hake, Pac. (Whiting)...	0	0	0	0	0	0	2	0	0	0	0	0	2
Lingcod.....	1178	2872	10649	3557	1037	102	204	580	1722	2330	235	348	24814
Rockfish, widow.....	0	0	0	0	45	9	45	0	0	0	0	0	119
Rockfish, other spp...	938	1427	5662	5465	11443	882	1104	501	1150	1753	373	4	30702
Shark, soupfin.....	95	80	32	0	0	0	0	0	0	0	0	0	207
Shark, other.....	0	0	58	0	0	88	0	0	55	0	0	0	201
Wolf-eel.....	6	0	301	202	215	33	19	20	22	0	0	0	818
MOLLUSKS:													
Octopus.....	121	0	0	0	0	0	0	0	0	0	0	0	121
TOTAL	2716	5056	18647	10684	12823	1237	1551	1131	2998	4101	827	564	62335
<u>GROUND FISH TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	107	0	0	0	0	0	0	0	0	107
Flounder, arrowtooth..	0	0	0	110	0	0	0	0	0	0	0	0	110
Flounder, starry.....	0	0	0	179	0	0	0	0	0	0	0	0	179
Rockfish, other spp...	0	0	0	193	0	0	0	0	0	0	0	0	193
Sablefish.....	0	0	0	4	0	0	0	0	0	0	0	0	4
Sanddab, Pacific.....	0	0	38	830	0	0	0	0	0	0	0	0	868
Sole, curlfin (turbot)	0	0	0	102	0	0	0	0	0	0	0	0	102
Sole, Dover.....	0	0	0	408	0	0	0	0	0	0	0	0	408
Sole, English.....	0	0	17	561	0	0	0	0	0	0	0	0	578
Sole, petrale.....	0	0	3	153	0	0	0	0	0	0	0	0	156
Sole, rex.....	0	0	18	93	0	0	0	0	0	0	0	0	111

TABLE 32. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT DEPOE BAY, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, sand.....	0	0	0	417	0	0	0	0	0	0	0	0	417
TOTAL	0	0	76	3157	0	0	0	0	0	0	0	0	3233
<u>CRAB POT</u>													
FISH:													
Cabezon.....	800	425	552	367	608	118	23	22	0	0	0	59	2974
Lingcod.....	204	93	49	62	0	0	0	0	0	0	0	4	412
Rockfish, other spp...	81	22	168	56	15	7	8	0	0	0	0	3	360
Wolf-eel.....	8	0	176	287	265	111	38	24	0	0	0	0	909
CRUSTACEANS:													
Crab, Dungeness, Oc...	19118	17967	8675	11828	8800	6167	1112	1411	0	0	0	39772	114850
MOLLUSKS:													
Octopus.....	51	47	0	0	0	0	0	0	0	0	0	86	184
TOTAL	20262	18554	9620	12600	9688	6403	1181	1457	0	0	0	39924	119689
<u>HAND DEVICE</u>													
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	0	0	258	0	0	400	0	0	658
TOTAL	0	0	0	0	0	0	258	0	0	400	0	0	658
TOTAL	22978	23610	28437	26441	27674	11108	96560	13941	22840	9156	827	40488	324060

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TROLL													
FISH:													
Cod, Pacific.....	0	0	0	0	3	0	0	4	0	0	0	0	7
Flounder, arrowtooth..	0	0	0	0	0	0	2	0	0	0	0	0	2
Flounder, starry.....	0	0	0	0	0	2	6	0	0	0	0	0	8
Hake, Pac. (Whiting)..	0	0	0	0	0	0	9	0	0	0	0	0	9
Halibut, Pacific.....	0	0	0	0	0	0	3675	0	0	0	0	0	3675
Lingcod.....	0	0	0	0	1256	650	2073	3790	4038	7234	184	0	19225
Hacteral.....	0	0	0	0	0	0	499	74	28	0	0	0	601
Nominal POP.....	0	0	0	0	4	0	0	0	0	0	0	0	4
Rockfish, widow.....	0	0	0	0	53	35	6	0	0	0	0	0	94
Rockfish, yellowtail..	0	0	0	0	257	2	30	298	6	240	0	0	833
Rockfish, other spp...	0	0	0	0	4343	1731	5332	8867	4488	9676	2	0	34439
Sablefish.....	0	0	0	0	0	0	8	0	0	0	0	0	8
Salmon, chinook.....	0	0	0	0	115175	82651	433618	271048	123256	64653	0	0	1090401
Salmon, coho.....	0	0	0	0	0	0	378713	118250	25827	0	0	0	522790
Salmon, pink.....	0	0	0	0	14	3	12995	855	11	0	0	0	13878
Sanddab, Pacific.....	0	0	0	0	0	1	37	0	0	97	0	0	135
Shark, spiny dogfish..	0	0	0	0	0	0	7	0	0	0	0	0	7
Shark, other.....	0	0	0	0	5	0	0	0	0	0	0	0	5
Sole, petrale.....	0	0	0	0	12	4	15	3	5	2	0	0	41
Tuna, albacore.....	0	0	0	0	0	0	738	285758	908863	44601	1471	0	1241431
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	0	23	0	0	23
TOTAL	0	0	0	0	121122	85079	837763	688947	1066522	126526	1657	0	2927616

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH POT													
FISH:													
Flounder, arrowtooth..	0	18	0	114	0	0	0	0	14	0	0	0	146
Lingcod.....	0	14	120	502	9	0	20	0	0	65	0	0	730
Nominal POP.....	0	0	0	0	1108	1639	1869	1684	2251	1961	0	0	10512
Rkfsh, Sebastolobus...	0	11	0	0	3	0	13	68	0	0	0	0	95
Rockfish, other spp...	0	0	152	544	588	679	2663	2220	6457	715	0	0	14018
Sablefish.....	48604	51903	100104	148301	127624	168452	170332	170476	357185	314156	0	0	1657137
Sanddab, Pacific.....	0	0	0	0	0	0	0	453	0	0	0	0	453
Shark, soupfin.....	0	10	0	0	0	0	0	0	0	0	0	0	10
Sole, Dover.....	0	0	0	0	78	21	54	137	147	229	0	0	666
TOTAL	48604	51956	100376	149461	129410	170791	174951	175038	366054	317126	0	0	1683767
BOTTOM LONGLINE													
FISH:													
Cabezon.....	0	0	5	0	62	0	0	0	0	0	0	0	67
Cod, Pacific.....	0	0	2	120	56	181	727	93	7	112	0	0	1298
Flounder, arrowtooth..	0	0	0	56	312	479	2061	182	736	353	0	0	4179
Flounder, starry.....	0	0	0	0	0	0	6	0	0	0	0	0	6
Halibut, Pacific.....	0	0	0	0	0	72629	181079	0	0	0	0	0	253708
Lingcod.....	107	157	4065	5475	672	356	8150	1962	2440	3708	98	0	27190
Mackerel.....	0	0	0	0	0	0	0	0	4	5	0	0	9
Pac. Oc. Perch.....	0	0	0	0	0	38	0	0	17	0	0	0	55
Nominal POP.....	0	31	794	1805	6566	7529	1354	362	1847	2058	0	0	22346
Rockfish, widow.....	0	0	0	0	0	0	1466	434	0	0	0	0	1900
Rockfish, yellowtail..	2074	461	3512	6049	104	0	3068	1008	1220	1917	142	136	19691
Rkfsh, Sebastolobus...	0	85	6	83	25	638	117	0	180	81	0	0	1215
Rockfish, other spp...	9508	26647	49694	86798	58140	43211	85038	23682	52895	27783	1064	5928	470388

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sablefish.....	10178	3406	1138	84880	173862	228181	206730	34396	63226	72793	0	0	878790
Sanddab, Pacific.....	0	0	0	0	0	0	620	0	0	0	0	0	620
Shark, soupfin.....	0	21	0	28	0	28	1924	42	0	21	0	0	2064
Shark, spiny dogfish..	0	0	6	0	0	0	0	0	0	0	130	0	136
Shark, other.....	0	0	0	0	0	0	48	0	0	0	0	0	48
Skates and rays.....	0	0	0	6	177	0	973	0	0	0	0	0	1156
Sole, curlfin (turbot)	0	0	66	0	0	0	0	0	0	0	0	0	66
Sole, Dover.....	0	0	0	0	13	86	8	2	13	2	0	0	124
Sole, petrale.....	0	0	2	0	0	0	507	0	9	10	0	0	528
Sole, sand.....	0	0	6	0	0	0	0	0	0	0	0	0	6
Sturgeon, white.....	0	0	0	75	0	0	0	0	0	0	0	0	75
Wolf-eel.....	0	0	14	0	14	0	0	0	0	0	0	0	28
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	0	4	0	0	4
TOTAL	21867	30808	59310	185375	240003	353356	493876	62163	122594	108847	1434	6064	1685697
<u>OTHER HOOK & LINE</u>													
FISH:													
Cabezon.....	0	1	113	55	22	5	119	41	27	2	6	0	391
Cod, Pacific.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Flounder, starry.....	0	4	0	0	0	0	0	1	1	0	0	0	6
Herring, Pacific.....	0	46	0	0	0	0	21	17	0	0	0	0	84
Lingcod.....	2029	3225	12072	6477	2102	12	106	112	1	7894	217	20	34267
Nominal POP.....	0	0	14	0	0	0	97	0	0	0	0	0	111
Rockfish, widow.....	0	0	8	9	0	0	0	0	0	0	0	0	17
Rockfish, yellowtail..	0	0	423	1251	767	0	0	4	0	190	0	118	2753
Rockfish, other spp...	8408	33793	10445	93721	79498	1189	3674	115	2134	878	50	109	234014
Sablefish.....	0	50	95	0	16	0	0	8	0	0	0	0	169
Shark, spiny dogfish..	0	0	0	0	0	3	0	0	0	52	0	0	55

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
States and rays.....	0	0	0	30	0	0	1	0	0	3	0	0	34
Sole, petrale.....	0	0	0	0	0	0	0	0	0	12	0	0	12
Sole, sand.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Surfperch.....	0	3	0	38	2	6	557	460	26	0	18	5	1115
Wolf-eel.....	0	0	0	0	11	0	1	93	15	25	0	8	153
Miscellaneous.....	0	8	10	9	0	5	12	59	14	10	9	20	156
MOLLUSKS:													
Octopus.....	0	0	0	0	34	130	0	35	95	40	0	0	334
TOTAL	10437	37130	23180	101590	82452	1350	4588	953	2313	9106	300	280	273679
GROUND FISH TRAWL													
FISH:													
Cabezon.....	0	0	0	0	10	0	0	0	0	0	0	0	10
Cod, Pacific.....	1024	3816	947	1964	50627	27109	35718	32273	21396	32463	2054	1488	210879
Flounder, arrowtooth..	1562	5118	814	810	23432	20875	42148	40460	41648	33838	826	6516	218047
Flounder, starry.....	0	23	62	809	650	2224	1206	11227	6555	9479	1416	949	34600
Hake, Pac. (Whiting)..	0	0	0	0	0	0	47632	1713	0	0	0	0	49345
Lingcod.....	15253	7480	2713	4924	22290	6089	30215	12294	25819	35138	5375	2317	169907
Pac. Oc. Perch.....	32624	65198	32679	28847	10158	14134	12692	15190	33329	40537	15257	6717	307362
Nominal POP.....	210998	155257	98993	32693	10669	32116	63104	59707	102913	274935	58986	7059	1107430
Rockfish, widow.....	269077	214154	161520	127677	12276	0	24795	58331	100208	160103	20817	0	1148958
Rockfish, yellowtail..	29290	60592	97383	63971	19732	0	5429	3416	45296	49314	25443	0	399866
Rkfish, Sebastolobus...	28154	42866	20336	29705	13906	18414	18362	13296	16797	32065	5064	9510	248475
Rockfish, other spp...	51315	130848	92399	174479	123637	8953	73980	113654	293609	404272	81876	51613	1600635
Sablefish.....	61908	99076	55738	59248	59841	65751	136393	174254	286589	158966	11677	0	1169441
Sanddab, Pacific.....	21	2529	2585	3368	4846	2936	6035	11371	16213	25440	4210	4993	84547
Shark, soupfin.....	105	30	48	0	74	0	27	27	0	44	34	0	389
Skates and rays.....	622	717	22	651	13	187	0	0	249	0	0	0	2461

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, butter.....	0	0	0	0	3	0	0	0	0	22	562	88	675
Sole, curlfin (turbot)	0	492	0	131	188	161	623	1031	878	39	881	236	4660
Sole, Dover.....	91108	77139	23696	82936	43836	32875	91752	120404	165445	410641	78433	53958	1272223
Sole, English.....	4719	4874	3138	1889	10854	13094	20260	24940	42659	45328	11971	14351	198077
Sole, petrale.....	73312	56851	3323	1978	10259	7801	36897	16052	20522	34101	6041	23345	290482
Sole, rex.....	2869	8987	2301	4966	3770	1902	5111	5666	12658	31067	5628	4690	89615
Sole, rock.....	10	64	0	0	25	687	14	142	123	110	644	244	2063
Sole, sand.....	744	132	542	537	1141	7571	15786	14490	13146	5219	2445	1436	63189
Sturgeon, green.....	32	0	76	56	113	34	32	26	72	310	109	294	1154
Wolf-eel.....	0	0	6	40	166	653	1369	902	507	103	0	0	3746
MOLLUSKS:													
Octopus.....	0	0	0	0	40	68	101	0	106	0	0	62	377
Squid.....	0	0	0	0	0	0	0	0	0	0	0	24	24
TOTAL	874747	936243	599321	621679	422556	263634	669681	730866	1246737	1783534	339749	189890	8678637
<u>MIDWATER TRAWL</u>													
FISH:													
Hake, Pac. (Whiting)...	0	0	0	0	64524	0	31326	42971	31792	40695	35892	0	247200
Lingcod.....	100	0	0	0	0	16	0	0	28	1818	0	0	1962
Hackeral.....	0	0	0	0	0	0	0	1540	0	0	0	0	1540
Nominal POP.....	48	665	2830	0	0	0	0	7057	5346	0	0	0	15946
Rockfish, widow.....	946708	1064751	916312	496956	221278	19231	0	498659	1300338	453098	6666	0	5923997
Rockfish, yellowtail..	1097	0	1490	0	0	0	0	0	5932	0	0	0	8519
Rockfish, other spp...	2679	0	4099	16166	0	0	0	1356	3465	13138	0	0	40903
Shark, soupfin.....	0	40	0	0	0	0	0	0	0	0	0	0	40
Sole, petrale.....	8	0	0	0	0	0	0	0	0	0	0	0	8
TOTAL	950640	1065456	924731	513122	285802	19247	31326	551583	1346901	508749	42558	0	6240115

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	437	1937	694	6876	1786	3175	1696	0	0	16601
Flounder, arrowtooth..	0	0	0	7553	4164	21	25	221	455	44	0	0	12483
Hake, Pac. (Whiting)..	0	0	0	0	0	0	3005	1149	1438	0	0	0	5592
Lingcod.....	0	0	0	2397	2944	1634	4015	1068	2212	1419	0	0	15689
Pac. Oc. Perch.....	0	0	0	4917	2842	0	6	0	954	0	0	0	8719
Nominal POP.....	0	0	0	999	5558	262	1643	595	3072	372	0	0	12501
Rockfish, widow.....	0	0	0	4285	0	0	0	210	275	0	0	0	4770
Rockfish, yellowtail..	0	0	0	15060	33116	2046	4638	0	886	0	0	0	55746
Rkfish, Sebastolobus...	0	0	0	19911	7722	3	299	2336	5307	5160	0	0	40738
Rockfish, other spp...	0	0	0	75623	68939	36288	57926	29024	47919	41214	0	0	356933
Sablefish.....	0	0	0	39	963	1101	6942	3804	5557	1025	0	0	19431
Sanddab, Pacific.....	0	0	0	1415	254	0	32	11	2706	917	0	0	5335
Shark, soupfin.....	0	0	0	0	0	96	121	54	0	0	0	0	271
Shark, other.....	0	0	0	0	0	0	45	0	0	0	0	0	45
States and rays.....	0	0	0	0	0	0	0	0	0	7	0	0	7
Sole, Dover.....	0	0	0	3909	4095	2833	8081	1361	5626	3382	0	0	29287
Sole, English.....	0	0	0	71	36	34	45	5	45	155	0	0	391
Sole, petrale.....	0	0	0	688	432	92	68	17	348	578	0	0	2223
Sole, rex.....	0	0	0	23	0	4	39	0	15	0	0	0	81
Sole, sand.....	0	0	0	0	0	0	0	0	20	186	0	0	206
Wolf-eel.....	0	0	0	0	0	0	41	0	0	0	0	0	41
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	2549723	2019775	1529235	1631470	901625	1614080	1327917	0	0	11573825
MOLLUSKS:													
Octopus.....	0	0	0	64	0	30	0	41	0	86	0	0	221
TOTAL	0	0	0	2687114	2152777	1574373	1725317	943307	1694090	1384158	0	0	12161136

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OCEAN GILLNET													
FISH:													
Opah.....	0	0	0	0	0	0	83	0	0	0	0	0	83
Shark, soupfin.....	0	0	0	0	0	0	1345	0	0	0	0	0	1345
Shark, thresher.....	0	0	0	0	0	0	13063	700	0	0	0	0	13763
Shark, other.....	0	0	0	0	0	0	509	0	0	0	0	0	509
Miscellaneous.....	0	0	0	0	0	0	183	0	0	0	0	0	183
TOTAL	0	0	0	0	0	0	15183	700	0	0	0	0	15883
CRAB POT													
FISH:													
Cabazon.....	14	48	42	10	7	27	4	0	0	0	0	12	164
Flounder, arrowtooth..	0	7	0	3	0	0	0	0	0	0	0	0	10
Flounder, starry.....	0	0	3	6	0	0	0	0	0	0	0	0	9
Lingcod.....	0	0	77	6	0	0	0	0	0	0	0	0	83
Rockfish, other spp...	30	4	66	0	0	0	0	0	57	0	0	0	157
Skates and rays.....	0	2	1	3	0	0	0	0	0	0	0	0	6
Sole, sand.....	4	0	5	8	0	0	0	0	0	0	0	0	17
Wolf-eel.....	0	38	99	132	84	7	32	3	15	0	0	0	410
Miscellaneous.....	1	3	0	0	0	0	0	18	0	0	0	0	22
CRUSTACEANS:													
Crab, box.....	7	0	0	0	0	0	0	0	0	0	0	0	7
Crab, Dungeness, Oc...	203940	91574	25321	26568	29127	22652	26401	10246	0	0	0	1315973	1751802
Crab, rock.....	0	7	0	17	0	0	6	58	249	68	104	0	509
MOLLUSKS:													
Octopus.....	582	136	409	77	50	0	40	0	0	50	0	285	1629
TOTAL	204578	91819	26023	26830	29268	22686	26483	10325	321	118	104	1316270	1754825

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRAB RING</u>													
FISH:													
Miscellaneous.....	0	0	1	0	0	2	1	7	0	0	1	0	12
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	14	18	4	43	33	0	0	0	0	0	17	129
Crab, rock.....	70	423	543	1197	502	301	47	569	208	89	256	341	4546
TOTAL	70	437	562	1201	545	336	48	576	208	89	257	358	4687
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	117	269	0	0	330	291	107	0	1114
TOTAL	0	0	0	0	117	269	0	0	330	291	107	0	1114
<u>HAND DEVICE</u>													
CRUSTACEANS:													
Crab, rock.....	17	0	0	0	0	0	0	0	142	0	0	107	266
MOLLUSKS:													
Mussels, ocean.....	0	250	0	0	0	0	0	0	0	0	400	0	650
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	0	0	0	113	0	0	0	0	113
TOTAL	17	250	0	0	0	0	0	113	142	0	400	107	1029
<u>SCALLOP DREDGE</u>													
FISH:													

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Lingcod.....	0	235	0	0	0	0	0	0	0	0	0	0	235
MOLLUSKS:													
Scallops, weathervane	0	12712	878	0	0	0	0	0	0	0	0	0	13590
TOTAL	0	12947	878	0	0	0	0	0	0	0	0	0	13825
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	4	12	35	190	125	248	290	0	5	4	10	3	926
Shrimp, mud.....	0	0	0	0	4	2	0	0	0	0	0	6	12
TOTAL	4	12	35	190	129	250	290	0	5	4	10	9	938
<u>BAITFISH NET</u>													
FISH:													
Herring, Pacific.....	0	490317	0	0	0	0	0	0	0	0	0	0	490317
TOTAL	0	490317	0	0	0	0	0	0	0	0	0	0	490317
TOTAL	2110964	2717375	1734416	4286562	3464181	2491371	3979506	3164571	5846217	4238548	386576	1512978	35933265

TABLE 34. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WALPORT, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRAB RING</u>													
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	3984	15836	11288	719	31827
TOTAL	0	0	0	0	0	0	0	0	3984	15836	11288	719	31827
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, softshell.....	0	20	60	0	0	50	50	40	0	0	30	0	250
TOTAL	0	20	60	0	0	50	50	40	0	0	30	0	250
<u>HAND DEVICE</u>													
MOLLUSKS:													
Mussels, ocean.....	20	0	0	0	0	0	0	0	75	0	0	0	95
TOTAL	20	0	0	0	0	0	0	0	75	0	0	0	95
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	926	947	1087	1558	1678	1144	982	1384	2101	1588	2789	2413	18597
Shrimp, mud.....	0	0	0	0	0	0	0	0	7	0	0	0	7
TOTAL	926	947	1087	1558	1678	1144	982	1384	2108	1588	2789	2413	18604
TOTAL	946	967	1147	1558	1678	1194	1032	1424	6167	17424	14107	3132	50776

TABLE 35. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT FLORENCE, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Flounder, starry.....	0	0	0	0	7	0	0	0	0	0	0	0	7
Hake, Pac. (Whiting)...	0	0	0	0	0	0	0	0	82	0	0	0	82
Halibut, Pacific.....	0	0	0	0	0	0	25	0	0	0	0	0	25
Lingcod.....	0	0	0	0	82	46	27	44	13	0	0	0	212
Rockfish, other spp...	0	0	0	0	155	151	509	28	154	577	0	0	1574
Salmon, chinook.....	0	0	0	0	27010	64253	224291	62967	13355	7025	0	0	398901
Salmon, coho.....	0	0	0	0	0	0	82341	19741	1996	0	0	0	104078
Salmon, pink.....	0	0	0	0	0	2	890	16	0	0	0	0	908
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	7	0	0	7
Tuna, albacore.....	0	0	0	0	0	0	0	2126	11355	0	0	0	13481
TOTAL	0	0	0	0	27254	64452	308083	84922	26955	7609	0	0	519275
<u>COASTAL SETNET</u>													
FISH:													
Shad, American.....	0	0	0	0	5257	6930	0	0	0	0	0	0	12187
TOTAL	0	0	0	0	5257	6930	0	0	0	0	0	0	12187
<u>FISH POT</u>													
FISH:													
Lingcod.....	0	0	0	0	0	0	0	0	24	0	0	0	24
Rockfish, Sebastolobus...	0	0	0	0	0	0	8	0	0	0	0	0	8
Rockfish, other spp...	0	0	0	0	0	0	0	0	66	0	0	0	66
Sablefish.....	0	0	851	30706	66010	42351	61296	39511	165207	72071	0	0	478003
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	14	0	0	14
TOTAL	0	0	851	30706	66010	42351	61304	39511	165297	72085	0	0	478115

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TABLE 35. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT FLORENCE, 1987.

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OTHER HOOK & LINE</u>													
FISH:													
Lingcod.....	0	0	0	48	0	0	0	0	0	0	0	0	48
Rockfish, other spp...	0	0	2722	4677	0	0	0	0	0	0	0	0	7399
TOTAL	0	0	2722	4725	0	0	0	0	0	0	0	0	7447
<u>GROUND FISH TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	86	0	0	0	0	0	0	0	0	86
Flounder, arrowtooth..	0	0	0	220	0	0	0	0	0	0	0	0	220
Hake, Pac. (Whiting)..	0	0	0	1508	0	0	0	0	0	0	0	0	1508
Rockfish, other spp...	0	0	0	768	0	0	0	0	0	0	0	0	768
Sablefish.....	0	0	0	315	0	0	0	0	0	0	0	0	315
Sanddab, Pacific.....	0	0	0	1515	0	0	0	0	0	0	0	0	1515
Sole, Dover.....	0	0	0	738	0	0	0	0	0	0	0	0	738
Sole, petrale.....	0	0	0	114	0	0	0	0	0	0	0	0	114
Sole, rex.....	0	0	0	720	0	0	0	0	0	0	0	0	720
TOTAL	0	0	0	5984	0	0	0	0	0	0	0	0	5984
<u>CRAB POT</u>													
FISH:													
Wolf-eel.....	0	0	0	0	65	7	0	0	0	0	0	0	72
CRUSTACEANS:													
Crab, Dungeness, Oc...	11848	12063	5486	10329	11284	9178	8052	9002	0	0	0	156891	234133
TOTAL	11848	12063	5486	10329	11349	9185	8052	9002	0	0	0	156891	234205

TABLE 35. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT FLORENCE, 1987.

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRAB RING</u>													
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	2052	1926	0	0	3978
TOTAL	0	0	0	0	0	0	0	0	2052	1926	0	0	3978
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, softshell.....	0	68	124	30	32	60	100	190	50	0	0	0	654
TOTAL	0	68	124	30	32	60	100	190	50	0	0	0	654
<u>HAND DEVICE</u>													
MOLLUSKS:													
Mussels, ocean.....	0	0	0	0	0	412	0	0	0	0	0	0	412
TOTAL	0	0	0	0	0	412	0	0	0	0	0	0	412
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	37	70	156	221	505	363	202	7	0	0	0	0	1561
TOTAL	37	70	156	221	505	363	202	7	0	0	0	0	1561
TOTAL	11885	12201	9339	51995	110407	123753	377741	133632	194354	81620	0	156891	1263818

TABLE 36. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WINCHESTER BAY, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Hake, Pac. (Whiting)...	0	0	0	0	0	0	194	0	0	0	0	0	194
Halibut, Pacific.....	0	0	0	0	0	0	26	0	0	0	0	0	26
Lingcod.....	0	0	0	0	0	17	11	0	213	51	0	0	292
Rockfish, other spp...	0	0	0	0	18	49	522	4	621	309	0	0	1523
Salmon, chinook.....	0	0	0	0	33160	52535	296564	33737	12709	2900	0	0	431605
Salmon, coho.....	0	0	0	0	0	37	155719	14491	4457	0	0	0	174704
Salmon, pink.....	0	0	0	0	12	0	10146	20	5	0	0	0	10183
Shark, soupfin.....	0	0	0	0	0	0	43	0	0	0	0	0	43
Tuna, albacore.....	0	0	0	0	0	0	0	23273	34595	15644	0	0	73512
TOTAL	0	0	0	0	33190	52638	463225	71525	52600	18904	0	0	692082
<u>COASTAL GILLNET</u>													
FISH:													
Shad, American.....	0	0	0	0	27610	7110	0	0	0	0	0	0	34720
TOTAL	0	0	0	0	27610	7110	0	0	0	0	0	0	34720
<u>FISH POT</u>													
FISH:													
Rockfish, other spp...	0	0	0	0	0	0	35	0	0	0	0	0	35
Sablefish.....	0	9674	14443	20402	32923	145949	125506	133379	182454	19656	0	0	684386
TOTAL	0	9674	14443	20402	32923	145949	125541	133379	182454	19656	0	0	684421
<u>BOTTOM LONGLINE</u>													
FISH:													

TABLE 36. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WINCHESTER BAY, 1987.

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Flounder, arrowtooth..	0	0	0	0	0	0	1098	0	0	0	0	0	1098
Halibut, Pacific.....	0	0	0	0	0	0	21284	0	0	0	0	0	21284
Lingcod.....	0	0	0	0	31	0	1037	0	0	0	0	0	1068
Rockfish, widow.....	0	0	0	0	0	0	1911	0	0	0	0	0	1911
Rockfish, other spp...	0	0	0	0	997	0	1764	102	2450	0	0	0	5313
Sablefish.....	0	0	0	0	0	0	16105	24218	35046	0	0	0	75369
Sole, Dover.....	0	0	0	0	0	0	165	0	0	0	0	0	165
TOTAL	0	0	0	0	1028	0	43364	24320	37496	0	0	0	106208
<u>OTHER HOOK & LINE</u>													
FISH:													
Lingcod.....	0	0	0	0	0	0	0	0	0	893	136	0	1029
Rockfish, other spp...	0	0	0	0	93	0	0	0	0	274	155	0	522
Sablefish.....	0	0	0	0	0	0	0	0	0	34	0	0	34
TOTAL	0	0	0	0	93	0	0	0	0	1201	291	0	1585
<u>GROUND FISH TRAWL</u>													
FISH:													
Cod, Pacific.....	0	238	323	0	0	0	0	0	0	0	0	0	561
Flounder, arrowtooth..	0	233	74	0	0	0	0	0	0	0	0	0	307
Flounder, starry.....	0	6	94	0	0	0	0	0	0	0	0	0	100
Lingcod.....	0	0	126	0	0	0	0	0	0	0	0	0	126
Nominal POP.....	0	516	59	0	0	0	0	0	0	0	0	0	575
Rkfsh, Sebastolobus...	0	0	60	0	0	0	0	0	0	0	0	0	60
Rockfish, other spp...	0	1125	620	0	0	0	0	0	0	0	0	0	1745
Sablefish.....	0	416	0	0	0	0	0	0	0	0	0	0	416
Sanddab, Pacific.....	0	330	230	0	0	0	0	0	0	0	0	0	560
Skates and rays.....	0	64	319	0	0	0	0	0	0	0	0	0	383
Sole, Dover.....	0	2525	1130	0	0	0	0	0	0	0	0	0	3655

TABLE 36. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WINCHESTER BAY, 1987.

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, English.....	0	30	0	0	0	0	0	0	0	0	0	0	30
Sole, peirale.....	0	25	233	0	0	0	0	0	0	0	0	0	258
Sole, rex.....	0	990	970	0	0	0	0	0	0	0	0	0	1960
Sole, sand.....	0	0	105	0	0	0	0	0	0	0	0	0	105
TOTAL	0	6498	4343	0	0	0	0	0	0	0	0	0	10841
<u>SHRIMP TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	132	0	0	132
Hake, Pac. (Whiting)..	0	0	0	0	0	0	0	0	6763	0	0	0	6763
Rockfish, other spp...	0	0	0	0	0	0	0	0	24	584	0	0	608
Sablefish.....	0	0	0	0	0	0	0	0	16	27	0	0	43
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	162	0	0	162
Sole, Dover.....	0	0	0	0	0	0	0	0	0	104	0	0	104
Sole, English.....	0	0	0	0	0	0	0	0	0	20	0	0	20
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	0	0	0	0	0	12947	16386	0	0	29333
TOTAL	0	0	0	0	0	0	0	0	19750	17415	0	0	37165
<u>CRAB POT</u>													
CRUSTACEANS:													
Crab, Dungeness, Oc...	95870	43020	18385	26555	13934	8813	18222	13698	0	0	0	236889	475386
TOTAL	95870	43020	18385	26555	13934	8813	18222	13698	0	0	0	236889	475386
<u>CRAB RING</u>													
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	30	0	0	2760	2356	1573	0	6719
TOTAL	0	0	0	0	0	30	0	0	2760	2356	1573	0	6719

TABLE 36. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WINCHESTER BAY, 1987.

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>HAND DEVICE</u>													
MOLLUSKS:													
Mussels, ocean.....	2428	5255	3472	960	2467	4496	1161	1770	5654	2243	3137	3745	36788
TOTAL	2428	5255	3472	960	2467	4496	1161	1770	5654	2243	3137	3745	36788
<u>BAITFISH NET</u>													
FISH:													
Herring, Pacific.....	0	0	0	0	0	1696	1046	326	0	0	0	0	3068
Smelt.....	0	0	0	0	0	10	0	0	0	0	0	0	10
TOTAL	0	0	0	0	0	1706	1046	326	0	0	0	0	3078
TOTAL	98298	64447	40643	47917	111245	220742	652559	245018	300714	61775	5001	240634	2088993

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CHARLESTON, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TROLL													
FISH:													
Hake, Pac. (Whiting)...	0	0	0	0	0	0	62	0	0	0	0	0	62
Halibut, Pacific.....	0	0	0	0	0	0	877	0	0	0	0	0	877
Lingcod.....	0	0	0	0	649	67	4075	1080	3080	5325	0	16	14292
Hacteral.....	0	0	0	0	0	0	93	5	96	24	0	0	218
Nominal POP.....	0	0	0	0	0	0	0	0	0	30	0	0	30
Rockfish, widow.....	0	0	0	0	9	0	111	50	38	0	0	0	208
Rockfish, other spp...	0	0	0	0	6241	1111	16510	5946	6672	5601	23	27	42131
Sablefish.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Salmon, chinook.....	0	0	0	0	95736	72454	1510530	338662	267687	25296	691	0	2311056
Salmon, coho.....	0	0	0	0	0	905	524204	94926	51886	0	0	0	671921
Salmon, pink.....	0	0	0	0	126	220	44985	438	19	0	0	0	45788
Sanddab, Pacific.....	0	0	0	0	0	2	0	5	0	70	0	0	77
Shark, other.....	0	0	0	0	0	0	375	25	60	0	0	0	460
Sole, petrale.....	0	0	0	0	0	0	19	2	2	10	0	0	33
Tuna, albacore.....	0	0	0	0	0	0	7901	171996	197148	13727	0	0	390772
TOTAL	0	0	0	0	102761	74759	2109746	613135	526688	50083	714	43	3477929
FISH POT													
FISH:													
Rifsh, Sebastolobus...	0	0	0	0	0	0	0	0	52	0	0	0	52
Rockfish, other spp...	0	0	0	0	0	0	0	0	0	30	0	0	30
Sablefish.....	0	12932	5828	2044	0	0	0	0	60272	47019	0	0	128095
TOTAL	0	12932	5828	2044	0	0	0	0	60324	47049	0	0	128177

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CHARLESTON, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BOTTOM LONGLINE													
FISH:													
Cod, Pacific.....	0	0	0	0	43	0	0	25	71	30	0	0	169
Flounder, arrowtooth..	0	0	0	0	0	0	12	81	55	0	0	0	148
Grenadier.....	0	0	462	0	0	0	0	0	0	0	0	0	462
Halibut, Pacific.....	0	0	0	0	0	0	34726	0	0	0	0	0	34726
Lingcod.....	0	0	47	241	859	105	1124	299	498	140	0	391	3704
Nominal POP.....	0	0	0	0	0	0	44	109	300	0	0	0	453
Rockfish, yellowtail..	0	0	0	243	0	0	380	0	0	0	0	0	623
Rkfsh, Sebastolobus...	0	0	52	0	0	12	10	0	102	266	0	0	442
Rockfish, other spp...	0	0	24	14678	17924	1088	14507	5996	4028	5067	614	747	64673
Sablefish.....	265	7720	10733	77319	113075	4586	115255	81906	124446	65676	0	0	600981
Shark, soupfin.....	0	0	0	0	23	0	42	0	0	0	0	0	65
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	0	27	27
Shark, other.....	0	0	0	0	46	0	153	0	0	0	0	0	199
Skates and rays.....	0	0	0	0	0	0	340	270	0	0	0	0	610
Sole, petrale.....	0	0	0	0	0	0	142	4	0	6	0	0	152
TOTAL	265	7720	11318	92481	131970	5791	166735	88690	129500	71185	614	1165	707434
OTHER HOOK & LINE													
FISH:													
Cabezon.....	0	0	0	0	9	0	0	0	10	0	0	0	19
Lingcod.....	131	5472	6766	4514	134	610	5049	865	3438	15096	3955	360	46390
Rockfish, widow.....	0	0	0	0	0	0	0	0	0	1143	0	0	1143
Rockfish, other spp...	888	669	3405	873	276	397	1620	324	14506	25470	2039	0	50467
Shark, other.....	0	0	0	0	0	0	0	0	0	67	0	0	67
TOTAL	1019	6141	10171	5387	419	1007	6669	1189	17954	41776	5994	360	98086

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CHARLESTON, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
GROUND FISH TRAWL													
FISH:													
Cabezon.....	0	0	0	0	46	0	43	0	0	0	0	0	89
Cod, Pacific.....	712	9337	18615	23566	95557	16262	63572	39267	71759	62336	12062	3934	416979
Flounder, arrowtooth..	439	2372	3022	4771	14509	2855	12125	29793	22929	10829	2384	2830	108858
Flounder, starry.....	62	135	143	501	5223	6778	10007	5444	2166	284	12	0	30755
Hake, Pac. (Whiting)..	0	0	0	0	4808	24320	14994	0	7878	1779	0	0	53779
Lingcod.....	4310	5322	13406	42119	28373	13338	44899	10804	99603	81262	36111	6175	385722
Pac. Oc. Perch.....	8974	6152	6027	7575	17917	10397	4692	1399	2462	10193	2939	0	78727
Nominal POP.....	30370	18527	42852	27065	38763	60858	62056	31603	52065	44849	26678	18108	453794
Rockfish, widow.....	55990	12678	62414	9742	769	1410	1640	3380	7283	13527	1484	0	170317
Rockfish, yellowtail..	21393	7776	87868	9321	9170	3140	2067	20213	110820	121544	85797	6124	485233
Rkfsh, Sebastolobus...	96704	135494	72475	33535	52390	37602	66894	47850	98953	98367	26425	29674	796363
Rockfish, other spp...	59149	145852	87305	72977	143344	105411	113932	81849	440041	513058	162449	63996	1989363
Sablefish.....	199055	178248	159276	122284	276461	129031	189459	241382	427207	264602	14635	4547	2206187
Sanddab, Pacific.....	1321	15005	51944	13622	16181	31473	33033	27936	10936	1557	427	3000	206435
Shark, soupfin.....	17	43	8	0	13	24	6	0	0	36	252	150	549
Shark, other.....	0	0	0	19	0	439	11	0	0	0	0	29	498
Skates and rays.....	242	115	894	2619	2520	2541	2555	269	126	0	0	0	11881
Sole, butter.....	0	0	0	325	1020	1484	2584	2542	1789	0	0	0	9744
Sole, curlfin (turbot)	227	62	10	261	110	1309	394	1450	472	0	0	0	4295
Sole, Dover.....	750983	691233	761901	430067	413297	166058	447902	486768	948564	1143532	595464	564718	7400487
Sole, English.....	30936	22940	18784	23168	43898	48589	60946	33815	110456	70406	22434	31464	517836
Sole, petrale.....	223329	73722	16067	11463	7719	17198	22806	8963	15300	32030	97661	186090	712348
Sole, rex.....	10045	9267	6922	8888	11019	2385	3844	385	5515	7138	5726	5665	76799
Sole, rock.....	0	0	0	0	186	45	0	0	204	0	0	0	435
Sole, sand.....	922	364	330	2521	7552	6905	17090	31041	16020	3303	0	0	86048
Sturgeon, green.....	67	0	53	98	941	0	0	0	0	0	0	0	1159

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CHARLESTON, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, white.....	0	0	0	409	920	1003	1885	254	195	252	0	0	4918
Wolf-eel.....	0	0	0	0	0	0	32	35	32	0	0	0	99
Wrymouth.....	0	0	0	0	19	0	0	0	0	0	0	0	19
Miscellaneous.....	0	0	0	0	7	0	0	0	0	0	0	0	7
CRUSTACEANS:													
Crab, box.....	5	0	0	0	0	0	0	0	0	0	0	0	5
Crab, Tanner.....	121	0	0	0	0	0	0	0	0	0	0	0	121
MOLLUSKS:													
Octopus.....	0	0	59	22	39	88	313	0	41	0	0	26	588
TOTAL	1495373	1334644	1410375	846938	1192771	690943	1179781	1106442	2452816	2480884	1092940	926530	16210437
MIDWATER TRAWL													
FISH:													
Rockfish, widow.....	104491	83583	0	35198	0	0	0	0	0	0	0	0	223272
Rockfish, yellowtail..	0	3837	0	0	0	0	0	0	0	0	0	0	3837
Rockfish, other spp...	0	2074	0	0	0	0	0	0	0	0	0	0	2074
TOTAL	104491	89494	0	35198	0	0	0	0	0	0	0	0	229183
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	18	0	157	102	140	1977	183	0	0	2577
Flounder, arrowtooth..	0	0	0	0	0	1040	28	69	5	35	0	0	1177
Lingcod.....	0	0	0	1064	81	46	371	308	1917	816	0	0	4603
Pac. Oc. Perch.....	0	0	0	6	0	20	0	0	0	0	0	0	26
Nominal POP.....	0	0	0	1005	2970	1432	467	224	3722	202	0	0	10022
Rockfish, widow.....	0	0	0	2893	0	1379	0	0	1542	0	0	0	5814
Rockfish, yellowtail..	0	0	0	10576	12518	749	905	586	1013	0	0	0	26347
Rkfsh, Sebasteslobus...	0	0	0	80	4	0	75	50	15	35	0	0	259

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CHARLESTON, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, other spp...	0	0	0	28307	36736	12995	34659	11030	23281	23776	0	0	170784
Sablefish.....	0	0	0	77	3542	371	3832	2942	4230	787	0	0	15781
Sanddab, Pacific.....	0	0	0	41	0	0	0	0	0	735	0	0	776
Shark, soupfin.....	0	0	0	0	0	27	0	0	0	0	0	0	27
Shark, other.....	0	0	0	0	0	0	0	0	82	0	0	0	82
Sole, Dover.....	0	0	0	620	4622	861	5262	1934	12823	4354	0	0	30476
Sole, English.....	0	0	0	273	55	10	44	0	39	464	0	0	885
Sole, petrale.....	0	0	0	74	32	68	21	0	109	35	0	0	339
Sole, rex.....	0	0	0	0	0	0	0	0	0	173	0	0	173
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	2384869	1402347	829748	1306296	296252	903043	686439	0	0	7808994
MOLLUSKS:													
Octopus.....	0	0	0	0	21	0	0	0	0	0	0	0	21
TOTAL	0	0	0	2429903	1462928	848903	1352062	313535	953798	718034	0	0	8079163
OCEAN GILLNET													
FISH:													
Shark, thresher.....	0	0	0	0	0	0	187	848	0	0	0	0	1035
TOTAL	0	0	0	0	0	0	187	848	0	0	0	0	1035
CRAB POT													
FISH:													
Cabazon.....	9	0	11	6	27	0	0	0	0	0	0	0	53
Lingcod.....	11	30	18	13	0	0	0	0	0	0	0	0	72
Rockfish, other spp...	92	125	151	14	0	0	0	0	0	0	0	0	382
Wolf-eel.....	0	0	6	30	10	0	0	0	0	0	0	0	46

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CHARLESTON, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Oc...	62090	40557	26830	28800	24370	13281	33133	20034	0	0	0	470086	719181
MOLLUSKS:													
Octopus.....	0	33	0	0	0	0	0	0	0	0	0	78	111
TOTAL	62202	40745	27016	28863	24407	13281	33133	20034	0	0	0	470164	719845
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay..	966	228	127	44	0	3	0	0	1027	6861	8005	1904	19165
TOTAL	966	228	127	44	0	3	0	0	1027	6861	8005	1904	19165
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, butter.....	0	0	0	0	60	77	0	250	232	154	71	53	897
Clams, cockle.....	1850	435	600	0	320	0	0	0	0	0	0	0	3205
Clams, gaper.....	0	0	0	0	0	0	78	0	0	0	0	0	78
Clams, softshell.....	0	44	0	0	0	0	23	0	0	0	50	0	117
TOTAL	1850	479	600	0	380	77	101	250	232	154	121	53	4297
HAND DEVICE													
FISH:													
Miscellaneous.....	0	0	0	0	0	0	4	0	0	0	0	0	4
MOLLUSKS:													
Clams, butter.....	0	0	0	402	0	0	0	0	30	4	0	0	436
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0	37	0	37
Clams, gaper.....	0	0	0	0	0	0	417	293	1788	1968	654	280	5400

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CHARLESTON, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Claws, littleneck.....	0	0	0	34	0	0	0	0	0	10	0	0	44
Mussels, ocean.....	30	0	75	25	30	100	75	0	0	0	0	0	335
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	499	0	0	0	0	0	0	0	499
TOTAL	30	0	75	461	529	100	496	293	1818	1982	691	280	6755
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost.....	0	0	0	0	0	22	218	280	160	78	136	0	894
Shrimp, mud.....	2580	2430	356	105	0	0	0	0	0	0	0	0	5471
TOTAL	2580	2430	356	105	0	22	218	280	160	78	136	0	6365
TOTAL	1668776	1494813	1465866	3441424	2916165	1634866	4849128	2144696	4144317	3418086	1109215	1400499	29687871

TABLE 38. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BANDON, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Hake, Pac. (Whiting)...	0	0	0	0	0	0	110	0	0	0	0	0	110
Halibut, Pacific.....	0	0	0	0	0	0	82	0	0	0	0	0	82
Lingcod.....	0	0	0	0	5	0	52	16	112	141	0	0	326
Rockfish, other spp...	0	0	0	0	1804	94	6511	2608	4666	682	0	0	16365
Salmon, chinook.....	0	0	0	0	36919	3381	196981	40417	25744	1361	0	0	304803
Salmon, coho.....	0	0	0	0	0	0	61342	9950	6406	0	0	0	77698
Salmon, pink.....	0	0	0	0	29	0	5308	37	0	0	0	0	5374
Tuna, albacore.....	0	0	0	0	0	0	0	0	3507	0	0	0	3507
TOTAL	0	0	0	0	38757	3475	270386	53028	40435	2184	0	0	408265
<u>OTHER HOOK & LINE</u>													
FISH:													
Lingcod.....	0	0	1059	75	0	0	0	0	0	0	0	0	1134
Rockfish, other spp...	0	0	341	21	0	0	0	0	0	0	0	0	362
TOTAL	0	0	1400	96	0	0	0	0	0	0	0	0	1496
<u>CRAB POT</u>													
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	69	380	477	0	0	0	0	926
TOTAL	0	0	0	0	0	69	380	477	0	0	0	0	926
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	0	0	215	0	0	0	177	392
TOTAL	0	0	0	0	0	0	0	215	0	0	0	177	392

TABLE 38. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BANDON, 1987.

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>HAND DEVICE</u>													
MOLLUSKS:													
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	1800	0	0	1800
TOTAL	0	0	0	0	0	0	0	0	0	1800	0	0	1800
 TOTAL	 0	 0	 1400	 96	 38757	 3544	 270766	 53720	 40435	 3964	 0	 177	 412879

TABLE 39. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PORT ORFORD, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	0	0	7	0	0	7
Halibut, Pacific.....	0	0	0	0	0	0	111	0	0	0	0	0	111
Lingcod.....	0	0	0	0	144	250	762	363	531	454	53	0	2557
Rockfish, other spp...	0	0	0	0	285	1254	2479	1562	2122	945	165	0	8812
Salmon, chinook.....	0	0	0	0	6479	82021	166733	47613	19677	27679	30936	0	381138
Salmon, coho.....	0	0	0	0	0	4251	26849	9388	3482	0	0	0	43970
Salmon, pink.....	0	0	0	0	3	400	2265	115	0	0	0	0	2783
Sole, petrale.....	0	0	0	0	0	0	0	0	7	0	0	0	7
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	1724	0	0	1724
TOTAL	0	0	0	0	6911	88176	199199	59041	25819	30809	31154	0	441109
<u>FISH POT</u>													
FISH:													
Rockfish, other spp...	0	0	0	0	0	9	0	0	0	0	0	0	9
Sablefish.....	0	13827	7588	31967	45590	21373	88271	0	0	0	0	0	208616
Sole, Dover.....	0	0	0	41	0	0	0	0	0	0	0	0	41
TOTAL	0	13827	7588	32008	45590	21382	88271	0	0	0	0	0	208666
<u>BOTTOM LONGLINE</u>													
FISH:													
Cabezon.....	0	54	197	732	28	0	0	0	254	1061	311	115	2752
Cod, Pacific.....	0	0	0	0	0	0	42	0	0	143	0	0	185
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	33	42	0	0	75
Halibut, Pacific.....	0	0	0	0	0	0	20228	0	0	0	0	0	20228
Lingcod.....	1856	3840	6272	5101	494	0	1105	0	3196	5043	909	417	28233
Rockfish, other spp...	1928	9961	11275	17047	3169	193	2928	0	6657	10902	1271	363	65694

TABLE 39. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PORT ORFORD, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sablefish.....	0	3858	0	6099	41996	20251	14003	0	29374	26683	0	0	142264
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	28	0	28
Shark, other.....	0	22	0	83	0	0	0	0	62	0	0	0	167
States and rays.....	0	9	0	0	0	0	0	0	0	0	0	0	9
Sole, petrale.....	0	0	0	0	0	0	35	0	0	0	0	0	35
Wolf-eel.....	0	18	49	79	26	0	0	0	55	183	14	0	424
MOLLUSKS:													
Octopus.....	0	18	97	38	0	0	0	0	0	133	0	0	286
TOTAL	3784	17780	17890	29179	45713	20444	38341	0	39631	44190	2533	895	260380
OTHER HOOK & LINE													
FISH:													
Cabezon.....	76	0	107	299	49	20	30	0	16	290	64	0	951
Lingcod.....	1597	1703	3535	3129	1364	381	1026	1256	5338	5433	537	652	25951
Rockfish, widow.....	0	20	0	0	0	0	0	0	0	0	0	0	20
Rockfish, other spp...	780	2489	1338	4263	11121	3343	6915	1504	6454	5429	243	0	43879
Skates and rays.....	0	0	0	5	0	0	0	0	0	0	0	0	5
Wolf-eel.....	0	0	0	42	0	0	0	0	0	4	0	0	46
TOTAL	2453	4212	4980	7738	12534	3744	7971	2760	11808	11156	844	652	70852
GROUND FISH TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	5120	976	0	0	0	0	6096
Lingcod.....	0	0	0	0	0	0	1986	887	0	0	0	0	2873
Nominal POP.....	0	0	0	0	0	0	267	440	0	0	0	0	707
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	65	0	0	0	0	65
Rockfish, other spp...	0	0	0	0	0	0	621	212	0	0	0	0	833
Sablefish.....	0	0	0	0	0	0	336	709	0	0	0	0	1045

TABLE 39. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PORT ORFORD, 1987

(CONT)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sanddab, Pacific.....	0	0	0	0	0	0	749	195	0	0	0	0	944
Sole, Dover.....	0	0	0	0	0	0	9383	5341	0	0	0	0	14724
Sole, English.....	0	0	0	0	0	0	19207	4080	0	0	0	0	23287
Sole, petrale.....	0	0	0	0	0	0	7862	665	0	0	0	0	8527
Sole, rex.....	0	0	0	0	0	0	1404	170	0	0	0	0	1574
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	40	0	0	0	0	0	40
TOTAL	0	0	0	0	0	0	46975	13740	0	0	0	0	60715
SHRIMP TRAWL													
FISH:													
Lingcod.....	0	0	0	0	0	0	0	106	230	0	0	0	336
Rockfish, other spp...	0	0	0	0	135	0	248	2168	1423	0	0	0	3974
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	0	19986	0	5417	17428	20400	0	0	0	63231
TOTAL	0	0	0	0	20121	0	5665	19702	22053	0	0	0	67541
CRAB POT													
FISH:													
Cabezon.....	23	50	95	8	40	6	7	6	0	0	0	0	235
Lingcod.....	10	5	9	18	0	0	10	0	0	0	0	0	52
Rockfish, other spp...	3	3	25	3	0	0	0	0	0	0	0	0	34
Wolf-eel.....	0	16	144	104	288	120	86	52	0	0	0	0	810
CRUSTACEANS:													
Crab, Oungeness, Oc...	37967	26497	14376	19234	17485	6185	24339	12730	0	0	0	69934	228747

TABLE 39. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PORT ORFORD, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	13	0	168	86	55	0	0	0	0	0	0	2932	3254
TOTAL	38016	26571	14817	19453	17868	6311	24442	12788	0	0	0	72866	233132
HAND DEVICE													
FISH:													
Lingcod.....	0	0	0	0	0	0	0	0	0	23	0	0	23
Rockfish, other spp...	0	0	0	0	0	0	0	0	0	435	0	0	435
Miscellaneous.....	0	9	60	0	0	0	0	142	393	367	0	0	971
MOLLUSKS:													
Mussels, ocean.....	725	0	0	0	0	0	0	0	0	0	0	0	725
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	11911	18826	0	0	5420	29636	42456	31093	13999	153341
TOTAL	725	9	60	11911	18826	0	0	5562	30029	43281	31093	13999	155495
TOTAL	44978	62399	45335	100289	167563	140057	410864	113593	129340	129436	65624	88412	1497890

TABLE 40. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GOLD BEACH, 1987.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>TROLL</u>													
FISH:													
Lingcod.....	0	0	0	0	100	19	63	0	86	0	0	0	268
Rockfish, other spp...	0	0	0	0	77	10	22	0	160	0	0	0	269
Salmon, chinook.....	0	0	0	0	2592	2148	2303	513	1656	0	0	0	9212
Salmon, coho.....	0	0	0	0	0	148	225	94	362	0	0	0	829
Salmon, pink.....	0	0	0	0	0	0	33	0	0	0	0	0	33
TOTAL	0	0	0	0	2769	2325	2646	607	2264	0	0	0	10611
<u>OTHER HOOK & LINE</u>													
FISH:													
Lingcod.....	0	0	1360	98	442	1008	1498	1392	3134	1958	131	0	11021
Rockfish, other spp...	0	0	141	0	407	4041	10970	8533	7424	2306	108	0	33930
TOTAL	0	0	1501	98	849	5049	12468	9925	10558	4264	239	0	44951
TOTAL	0	0	1501	98	3618	7374	15114	10532	12822	4264	239	0	55562

TABLE 41. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BROOKINGS, 1987

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
TROLL													
FISH:													
Lingcod.....	0	0	0	0	36	197	218	0	208	184	0	0	843
Rockfish, other spp...	0	0	0	0	521	171	611	0	298	62	0	0	1663
Salmon, chinook.....	0	0	0	0	91219	248139	50811	2243	3956	1441	0	0	397809
Salmon, coho.....	0	0	0	0	0	21195	9578	1050	937	0	0	0	32760
Salmon, pink.....	0	0	0	0	3	429	812	69	0	0	0	0	1313
Tuna, albacore.....	0	0	0	0	0	0	0	8363	33479	24966	0	0	66808
TOTAL	0	0	0	0	91779	270131	62030	11725	38878	26653	0	0	501196
FISH PDT													
FISH:													
Sablefish.....	0	0	0	2380	0	0	0	0	0	0	0	0	2380
TOTAL	0	0	0	2380	0	0	0	0	0	0	0	0	2380
BOTTOM LONGLINE													
FISH:													
Cabezon.....	0	0	0	0	0	35	0	0	0	0	0	0	35
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	53	0	0	53
Flounder, arrowtooth..	0	0	0	0	0	8	0	0	0	0	0	0	8
Halibut, Pacific.....	0	0	0	0	0	0	564	0	0	0	0	0	564
Lingcod.....	0	0	0	1431	457	23	104	0	1210	1888	847	0	5960
Nominal PDP.....	0	0	0	0	0	0	0	0	0	54	83	0	137
Rkfsh, Sebastolobus...	0	0	0	0	94	0	0	0	0	0	0	0	94
Rockfish, other spp...	0	0	147	4899	5166	1161	2422	0	2124	4567	964	0	21450
Sablefish.....	0	0	3230	1757	10336	19212	10895	0	13672	20770	0	0	79872
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	59	0	0	59

TABLE 41. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BROOKINGS, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Skates and rays.....	0	0	40	0	0	18	0	0	0	0	0	0	58
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	0	0	22	0	22
TOTAL	0	0	3417	8087	16053	20457	13985	0	17006	27391	1916	0	108312
OTHER HOOK & LINE													
FISH:													
Lingcod.....	71	32	140	745	115	12	123	435	6509	8839	0	12	17033
Nominal POP.....	0	0	0	0	0	0	0	0	0	1179	57	0	1236
Rockfish, widow.....	0	0	0	225	0	0	0	0	0	0	0	0	225
Rockfish, other spp...	1394	1667	2742	12840	10336	3980	3932	9840	11358	15274	1492	616	75471
Surfperch.....	0	181	788	259	0	186	0	0	0	0	0	0	1414
MOLLUSKS:													
Octopus.....	0	0	0	48	70	0	0	0	98	77	0	0	293
TOTAL	1465	1880	3670	14117	10521	4178	4055	10275	17965	25369	1549	628	95672
GROUND FISH TRAWL													
FISH:													
Cod, Pacific.....	0	0	613	0	905	0	145	10454	6833	5699	1180	40	25869
Flounder, arrowtooth..	65	35	332	685	245	40	565	678	5386	3311	1510	490	13342
Flounder, starry.....	0	0	0	0	0	0	30	8	0	0	0	0	38
Lingcod.....	0	2869	18265	1435	10366	515	1101	11717	33086	57679	5825	812	143670
Nominal POP.....	306	1682	3432	740	1270	40	965	1645	7788	16755	3955	9600	48178
Rockfish, widow.....	0	20	3291	1495	440	0	0	11505	11725	13345	3550	0	45371
Rockfish, yellowtail..	0	140	6335	5675	6315	55	2070	7665	22565	33030	1615	4715	90180
Rkfsh, Sebastolobus...	10875	19966	15553	33145	33195	3945	4850	1215	18001	19950	3420	7710	171825
Rockfish, other spp...	0	8452	4750	1990	18880	1190	5505	23939	66794	75487	9725	4715	221427

TABLE 41. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BROOKINGS, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sablefish.....	8190	14278	15943	40855	24825	8890	31680	7955	68374	39616	0	0	260606
Sanddab, Pacific.....	0	60	136	0	0	0	78	12	0	115	125	0	526
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	30	0	0	30
Skates and rays.....	0	0	110	0	0	0	0	0	0	0	0	0	110
Sole, butter.....	0	0	0	0	0	0	81	0	0	0	0	0	81
Sole, Dover.....	29937	34237	40798	78490	40364	6806	36358	30928	186202	135088	44945	27174	691327
Sole, English.....	0	510	709	450	1262	0	1973	932	2514	14935	2395	225	25905
Sole, petrale.....	144	1560	2451	25	150	0	54	304	1522	4954	2710	39380	53254
Sole, rex.....	2112	1276	766	1635	1010	270	1013	486	5974	5530	1509	2923	24504
Sole, sand.....	0	90	0	0	0	0	134	100	0	0	0	0	324
MOLLUSKS:													
Octopus.....	0	25	95	0	140	0	49	310	13	145	0	0	777
TOTAL	51629	85200	113579	166620	139367	21751	86651	109853	436777	425669	82464	97784	1817344
MIDWATER TRAWL													
FISH:													
Lingcod.....	0	0	0	0	30	0	123	0	0	0	0	0	153
Rockfish, widow.....	0	0	21184	141985	119125	117685	107400	114555	257994	0	0	0	879928
Rockfish, yellowtail..	0	0	0	0	395	0	8	0	0	0	0	0	403
TOTAL	0	0	21184	141985	119550	117685	107531	114555	257994	0	0	0	880484
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	20	0	0	0	0	0	0	0	20
Lingcod.....	0	0	0	233	314	4	685	351	806	61	0	0	2454
Nominal POP.....	0	0	0	285	50	0	0	10	0	0	0	0	345
Rockfish, other spp...	0	0	0	985	2917	862	1589	882	2360	349	0	0	9944
Sablefish.....	0	0	0	6	62	6	15	10	0	0	0	0	99

TABLE 41. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BROOKINGS, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sanddab, Pacific.....	0	0	0	55	0	0	0	0	0	4	0	0	59
Sole, Dover.....	0	0	0	0	210	0	529	217	91	0	0	0	1047
Sole, English.....	0	0	0	0	20	0	0	0	0	0	0	0	20
Sole, petrale.....	0	0	0	2	0	0	0	0	0	0	0	0	2
Sole, rex.....	0	0	0	55	0	0	0	0	0	0	0	0	55
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	921349	214129	113998	208655	124290	148755	85719	0	0	1816895
MOLLUSKS:													
Octopus.....	0	0	0	6	50	108	95	0	0	80	0	0	339
TOTAL	0	0	0	922976	217772	114978	211568	125760	152012	86213	0	0	1831279
CRAB POT													
FISH:													
Lingcod.....	0	16	0	2	0	0	0	0	0	0	0	0	18
Rockfish, other spp...	26	35	0	25	0	0	0	0	0	0	0	0	86
CRUSTACEANS:													
Crab, Dungeness, Oc...	77932	34605	12831	13580	7124	885	2290	3440	0	0	0	477714	630401
MOLLUSKS:													
Octopus.....	748	914	81	20	0	0	0	0	0	0	42	2603	4408
TOTAL	78706	35570	12912	13627	7124	885	2290	3440	0	0	42	480317	634913
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Oc...	239	0	0	0	0	0	0	0	0	0	0	0	239
TOTAL	239	0	0	0	0	0	0	0	0	0	0	0	239

TABLE 41. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BROOKINGS, 1987

(CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
HAND DEVICE													
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	1564	470	2976	0	7138	0	321	0	31008	4711	0	48188
TOTAL	0	1564	470	2976	0	7138	0	321	0	31008	4711	0	48188
BAITFISH NET													
FISH:													
Smelt.....	647	19212	2110	0	0	0	0	0	0	0	0	0	21969
Surfperch.....	0	4	6	0	0	0	0	0	0	0	0	0	10
TOTAL	647	19216	2116	0	0	0	0	0	0	0	0	0	21979
TOTAL	132686	143430	157348	1272768	602166	557203	488110	375929	920632	622303	90682	578729	5941986

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1987

SPECIES	COLUMBIA		PACIFIC		DEPOE		WINCHESTER			PORT	GOLD	OTHER 2/		TOTAL	
	RIVER 1/	ASTORIA	GARIBALDI	CITY	BAY	NEWPORT	FLORENCE	BAY	CHARLESTON	BANDON	ORFORD	BEACH	BROOKINGS		LOCATIONS
FISH:															
Cabezon.....	0	0	126	118	1757	192	0	0	50	0	788	0	7	0	3038
Carp.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1118	1118
Cod, Pacific.....	0	244745	13176	0	28	75203	26	212	137569	0	2072	0	8552	0	481583
Flounder, arrowtooth..	0	179259	5413	0	15	35582	25	201	16294	0	9	0	1989	0	238787
Flounder, starry.....	5634	43785	34	1	76	11503	5	31	13742	0	0	0	18	0	74829
Grenadier.....	0	0	0	0	0	0	0	0	60	0	0	0	0	0	60
Hake, Pac. (Whiting)..	0	3663	92	54	2	24416	98	690	4017	22	0	0	0	0	33054
Halibut, Pacific.....	0	461322	3336	703	3593	417662	43	35518	60867	136	33869	0	833	0	1017882
Herring, Pacific.....	0	0	153	0	0	236196	0	89	0	0	0	0	0	0	236438
Lamprey.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5633	5633
Lingcod.....	0	178949	22067	6848	15430	104793	207	1362	166505	736	34990	6736	64070	0	602693
Hackeral.....	0	0	2	234	7	242	0	0	50	0	0	0	0	0	535
Opah.....	0	740	0	0	0	37	0	0	0	0	0	0	0	0	777
Pac. Oc. Perch.....	0	207733	4387	0	0	110748	0	0	25415	0	0	0	0	0	348283
Nominal POP.....	0	88118	23427	0	0	361236	0	167	139767	0	219	0	15365	0	628299
Rockfish, widow.....	0	1782046	5966	93	47	2260631	0	956	124822	0	7	0	305382	0	4479950
Rockfish, yellowtail..	0	817282	22612	0	1	157957	0	0	167950	0	0	0	29762	0	1195564
Rkfsh, Sebastolobus...	0	63654	8474	0	0	92855	3	19	260956	0	22	0	56752	0	482735
Rockfish, other spp...	0	1297712	144207	20293	13422	1005900	4699	3752	779435	6208	55923	15381	125687	0	3472619
Sablefish.....	0	1135765	46549	0	418	1758755	259279	401779	1142745	0	201919	0	136976	0	5084185
Salmon, chinook.....	7976994	227455	871849	204141	128109	2468645	910187	988043	5075865	674429	864570	23137	1071099	12375	21496898
Salmon, chum.....	6399	0	0	13	0	0	0	0	0	0	0	0	0	0	6412
Salmon, coho.....	1601646	83516	268252	353364	102314	741229	155381	277530	1057225	131028	71121	1302	55445	11980	4911333
Salmon, pink.....	7	233	4447	9264	2386	9416	484	6521	30192	3450	1841	22	867	302	69432
Salmon, sockeye.....	186607	0	0	0	0	0	0	0	0	0	0	0	0	0	186607
Sanddab, Pacific.....	0	60616	84	0	327	33595	552	292	75194	0	349	0	214	0	171223
Shad, American.....	60956	0	0	0	0	0	10143	1742	0	0	0	0	0	0	72841
Shark, soupfin.....	0	6285	23	0	304	4621	0	43	790	0	21	0	116	0	12203

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1987 (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
Shark, spiny dogfish..	0	0	0	0	0	63	0	0	20	0	0	0	0	0	63
Shark, thresher.....	0	133473	0	0	0	20751	0	0	1534	0	0	0	0	0	155758
Shark, other.....	0	1118	0	0	240	592	0	0	770	0	167	0	0	0	2887
Skates and rays.....	0	1466	0	0	0	1155	0	115	3926	0	3	0	49	0	6714
Smelt.....	5757	0	0	0	0	0	0	3	0	0	0	0	6597	0	12357
Sole, butter.....	0	30	0	0	0	170	0	0	2430	0	0	0	20	0	2650
Sole, curlfin (turbot)	0	0	179	0	23	1267	0	0	1751	0	0	0	0	0	3220
Sole, Dover.....	0	1123357	93427	0	114	416418	221	1111	2321615	0	4870	0	222688	0	4183821
Sole, English.....	0	216765	4764	0	226	80821	0	22	209970	0	9548	0	11081	0	533197
Sole, flathead.....	0	48	446	0	0	0	0	0	0	0	0	0	0	0	494
Sole, petrale.....	0	597304	76546	0	127	240756	93	210	586011	0	7285	0	44445	0	1552777
Sole, rex.....	0	166862	5342	0	41	35199	266	725	29760	0	631	0	9472	0	248298
Sole, rock.....	0	0	0	0	0	887	0	0	174	0	0	0	0	0	1061
Sole, sand.....	0	254151	179	0	292	47450	0	74	64394	0	0	0	239	0	366779
Steelhead.....	351209	0	0	0	0	0	0	0	0	0	0	0	0	0	351209
Sturgeon, green.....	32088	810	0	0	0	578	0	0	844	0	0	0	0	0	34320
Sturgeon, white.....	707448	976	0	0	0	124	0	0	6058	0	0	0	0	0	714606
Surfperch.....	0	0	0	0	0	559	0	0	0	0	0	0	1189	0	1748
Tuna, albacore.....	0	354439	16076	578	85	900731	10493	59449	280243	3507	1293	0	48451	0	1675345
Tuna, other.....	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
Wolf-eel.....	0	680	60	18	502	825	37	0	30	0	152	0	0	0	2304
Wrymouth.....	0	93	0	0	0	0	0	0	2	0	0	0	0	0	95
Miscellaneous.....	0	9296	0	1	0	972	0	0	17	0	3255	0	0	0	13541
CRUSTACEANS:															
Crab, box.....	0	0	5	0	0	3	0	0	2	0	0	0	0	0	10
Crab, Dungeness, Bay..	0	0	502	0	0	192	7956	12445	31499	0	0	0	0	58837	111431
Crab, Dungeness, Oc...	0	1908416	428069	649	177900	2401721	333396	731817	1030200	1600	362675	0	864002	0	8240445
Crab, rock.....	0	0	0	0	0	5321	0	0	0	0	0	0	0	0	5321
Crab, Tanner.....	0	0	0	0	0	0	0	0	242	0	0	0	0	0	242

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1987 (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
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	470458	470458
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	34650	34650
Shrimp, ghost.....	0	0	12763	18600	0	4206	7091	0	4135	0	0	0	0	89109	135904
Shrimp, mud.....	0	0	26017	0	0	7	0	0	3408	0	0	0	0	35450	64882
Shrimp, pink.....	0	13049099	2712633	0	0	7886869	0	17600	5303523	0	43771	0	1258707	0	30272202
MOLLUSKS:															
Clams, butter.....	0	0	706	0	0	0	0	0	716	0	0	0	0	0	1422
Clams, cockle.....	0	0	4819	0	0	0	0	0	685	0	0	0	0	200	5704
Clams, gaper.....	0	0	446	0	0	0	0	0	1127	0	0	0	0	0	1573
Clams, littleneck.....	0	0	4338	0	0	0	0	0	9	0	0	0	0	11369	15716
Clams, softshell.....	0	0	0	0	0	162	96	0	53	177	0	0	0	36	524
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	64172	64172
Mussels, ocean.....	0	0	6480	0	0	163	206	16554	102	1440	254	0	0	1279	26478
Mussels, freshwater...	0	0	0	0	0	0	0	0	0	0	0	0	0	954	954
Octopus.....	0	3941	141	15	219	1616	0	0	552	0	2485	0	5230	0	14199
Scallops, weathervane	0	0	0	0	0	6406	0	0	0	0	0	0	0	0	6406
Squid.....	0	0	1	0	0	2	0	0	0	0	0	0	0	0	3
OTHER INVERTEBRATES:															
Sea urchins, red.....	0	0	0	0	223	45	0	0	110	0	41417	0	9565	0	51360
TOTAL	10934745	24705211	4838615	614987	448228	21967445	1700987	2559072	19165422	822733	1745526	46578	4354869	797922	94702340

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, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	263	258	658	627	275	173	123	60	81	286	139	95	3038
Carp.....	0	0	0	0	202	91	722	103	0	0	0	0	1118
Cod, Pacific.....	4051	9828	8928	20386	69918	45624	86936	58711	68634	86907	12906	8754	481583
Flounder, arrowtooth..	5860	7520	10600	7158	18004	22471	41471	56713	39036	20486	3145	6323	238787
Flounder, starry.....	49	247	790	2974	12459	9783	11440	17547	8522	9689	1016	313	74829
Grenadier.....	0	0	60	0	0	0	0	0	0	0	0	0	60
Hake, Pac. (Whiting)..	0	0	0	90	6144	2073	8341	5727	4221	3515	2943	0	33054
Halibut, Pacific.....	0	0	0	0	0	415328	467497	34905	100152	0	0	0	1017882
Herring, Pacific.....	0	236176	0	153	0	47	43	19	0	0	0	0	236438
Lamprey.....	0	0	0	0	253	5080	300	0	0	0	0	0	5633
Lingcod.....	17298	21110	44273	38509	37738	21865	67835	68985	125104	122487	28219	9270	602693
Mackerel.....	0	0	0	0	0	0	330	164	35	6	0	0	535
Opah.....	0	0	0	0	0	0	520	0	257	0	0	0	777
Pac. Oc. Perch.....	28433	34833	28871	29676	32502	36001	30278	39077	34602	32924	12919	8167	348283
Nominal POP.....	85626	63269	50369	23548	41075	38297	49793	45721	72253	116863	28679	12806	628299
Rockfish, widow.....	602929	687289	584656	443382	248269	219015	249993	452729	689074	284866	17748	0	4479950
Rockfish, yellowtail..	89928	104435	158213	131212	124018	69897	99533	97429	118868	143616	48234	10181	1195564
Rkfsh, Sebastolobus...	47753	64465	44454	48212	45747	24418	36399	28843	51829	55897	14052	20666	482735
Rockfish, other spp...	123694	188373	185009	355578	409710	194337	339736	317794	535934	605655	132210	84589	3472619
Sablefish.....	126191	154258	190740	339573	588547	572641	768805	640703	1037167	653996	10130	1434	5084185
Salmon, chinook.....	434	398340	99256	0	1268798	1698705	6632543	2347412	8046161	900819	104430	0	21496898
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2595	3817	0	6412
Salmon, coho.....	0	0	0	0	0	48022	2447518	594774	1263100	513040	44879	0	4911333
Salmon, pink.....	0	0	0	0	122	704	66180	2344	76	6	0	0	69432
Salmon, sockeye.....	0	0	0	0	0	114642	71965	0	0	0	0	0	186607
Sanddab, Pacific.....	7778	8236	22353	17121	17126	13631	22547	18902	17998	18934	2944	3653	171223
Shad, American.....	0	0	0	0	23440	49303	98	0	0	0	0	0	72841
Shark, soupfin.....	250	347	70	7	87	438	9067	1028	66	275	400	168	12203
Shark, spiny dogfish..	0	0	2	0	0	2	5	0	0	35	19	20	83

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1987. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shark, thresher.....	0	0	0	0	0	0	83138	36225	29819	6576	0	0	155758
Shark, other.....	0	22	58	102	48	308	1856	204	223	50	0	16	2887
Skates and rays.....	261	314	507	1967	1061	881	1216	364	121	3	0	19	6714
Smelt.....	194	11386	774	0	0	3	0	0	0	0	0	0	12357
Sole, butter.....	17	0	0	74	257	384	666	636	447	6	141	22	2650
Sole, curlfin (turbot)	86	91	37	155	121	703	434	792	343	16	345	97	3220
Sole, Dover.....	322334	292609	392337	307113	236366	132989	308422	344102	583848	696546	289706	277449	4183821
Sole, English.....	21271	14599	12728	19427	42959	46728	116915	57442	76166	81511	19966	23485	533197
Sole, flathead.....	0	0	0	0	0	31	73	126	201	63	0	0	494
Sole, petrale.....	418159	197323	35809	34352	36320	43093	108105	71121	68674	126463	111874	301484	1552777
Sole, rex.....	10057	12168	7152	11916	17386	20617	32364	27914	38536	52003	9082	9103	248298
Sole, rock.....	4	24	0	0	84	356	6	57	132	44	257	97	1061
Sole, sand.....	3816	712	20922	39713	57161	39878	63721	83543	27866	25707	2662	1078	366779
Steelhead.....	0	7840	5000	0	0	6020	16209	84562	188573	43005	0	0	351209
Sturgeon, green.....	63	41	91	186	971	439	213	24990	6634	460	85	147	34320
Sturgeon, white.....	17532	147694	75427	11406	1057	9356	21789	198214	121722	72974	36011	1424	714606
Surfperch.....	0	160	665	232	1	156	279	230	13	0	9	3	1748
Tuna, albacore.....	0	0	0	0	0	0	5538	507728	1017555	143524	1000	0	1675345
Tuna, other.....	0	0	0	0	0	0	9	0	0	0	0	0	9
Wolf-eel.....	4	21	198	235	421	417	415	357	193	40	1	2	2304
Wrymouth.....	0	0	0	0	5	65	15	7	0	3	0	0	95
Miscellaneous.....	3	64	341	5	16	10	9000	542	2363	1179	8	10	13541
CRUSTACEANS:													
Crab, box.....	7	0	0	3	0	0	0	0	0	0	0	0	10
Crab, Dungeness, Bay..	1574	358	281	94	94	161	0	0	18275	49648	36686	4260	111431
Crab, Dungeness, Oc...	1185561	580494	297712	314027	265580	149864	240069	132905	0	0	0	5074233	8240445
Crab, rock.....	87	430	543	1214	502	301	53	627	599	157	360	448	5321
Crab, Tanner.....	242	0	0	0	0	0	0	0	0	0	0	0	242
Crayfish.....	0	0	0	19030	36591	89231	134092	90132	70191	31191	0	0	470458

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1987. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BELOW BONNEVILLE DAM</u>													
FISH:													
Flounder, starry.....	0	147	58	0	0	0	0	2121	2422	749	137	0	5634
Salmon, chinook.....	434	398340	90695	0	0	658	56	236796	4792975	305585	12375	0	5837914
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2582	3817	0	6399
Salmon, coho.....	0	0	0	0	0	0	0	2231	1035830	512320	44879	0	1595260
Salmon, pink.....	0	0	0	0	0	0	0	0	1	6	0	0	7
Salmon, sockeye.....	0	0	0	0	0	76134	26073	0	0	0	0	0	102207
Shad, American.....	0	0	0	0	17768	42985	0	0	0	0	0	0	60753
Smelt.....	0	5618	139	0	0	0	0	0	0	0	0	0	5757
Steelhead.....	0	0	0	0	0	0	0	0	11	0	0	0	11
Sturgeon, green.....	0	41	20	0	0	291	0	24870	6586	250	30	0	32088
Sturgeon, white.....	16426	40822	11480	0	0	526	63	114731	77613	43169	24547	0	329377
TOTAL	16860	444968	102392	0	17768	120594	26192	380749	5915438	864661	85785	0	7975407
<u>ABOVE BONNEVILLE DAM</u>													
FISH:													
Salmon, chinook.....	0	0	8561	0	0	4594	6224	240325	1785005	94371	0	0	2139080
Salmon, coho.....	0	0	0	0	0	0	0	160	5506	720	0	0	6386
Salmon, sockeye.....	0	0	0	0	0	38508	45892	0	0	0	0	0	84400
Shad, American.....	0	0	0	0	0	105	98	0	0	0	0	0	203
Steelhead.....	0	7840	5000	0	0	6020	16209	84562	188562	43005	0	0	351198
Sturgeon, white.....	1106	106872	63882	10654	0	7575	18784	83165	43865	29280	11464	1424	378071
TOTAL	1106	114712	77443	10654	0	56802	87207	408212	2022938	167376	11464	1424	2959338
TOTAL	17966	559680	179835	10654	17768	177396	113399	788961	7938376	1032037	97249	1424	10934745

1/ OREGON LANDINGS ONLY

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1987. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Shrimp, brine.....	0	0	0	0	5550	13050	16050	0	0	0	0	0	34650
Shrimp, ghost.....	5372	5498	7413	10471	13429	11232	14823	13903	15684	10447	15476	12156	135904
Shrimp, mud.....	8411	9650	8702	4755	2704	2466	1547	2147	2867	3585	7223	10825	64882
Shrimp, pink.....	0	0	0	6254198	4859502	5269175	4701275	2979119	3203378	3005555	0	0	30272202
MOLLUSKS:													
Clams, butter.....	0	73	0	119	330	203	60	234	169	109	88	37	1422
Clams, cockle.....	1352	933	120	303	654	1186	149	288	0	153	441	125	5704
Clams, gaper.....	0	0	0	0	0	0	223	411	358	393	132	56	1573
Clams, littleneck.....	664	343	269	1312	1361	2333	2991	2536	1959	1452	496	0	15716
Clams, softshell.....	0	33	27	4	22	55	32	131	55	42	43	80	524
Clams, razor.....	404	1129	6496	12641	12851	11430	3140	0	7379	5373	1975	1354	64172
Mussels, ocean.....	1361	2428	2046	901	1622	2956	1419	2637	4102	3409	1912	1685	26478
Mussels, freshwater...	0	0	0	0	0	0	0	954	0	0	0	0	954
Octopus.....	1064	1043	786	499	866	884	1277	1588	799	558	91	4744	14199
Scallops, weathervane	0	5992	414	0	0	0	0	0	0	0	0	0	6406
Squid.....	0	1	0	0	0	0	0	0	0	0	0	2	3
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	344	103	3277	4261	1570	103	1850	9484	20552	6778	3038	51360
TOTAL	3140437	3272801	2306260	8507937	8544587	9461119	17397704	9498308	17711898	7955694	1011677	5893918	94702340

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1987. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	3216	2455	1575	12400	20069	30885	49482	29963	31640	50421	7859	4780	244745
Flounder, arrowtooth..	4996	5898	10023	5195	11557	18658	32431	44962	27688	12433	2246	3172	179259
Flounder, starry.....	30	47	638	2366	9871	6031	6516	9260	2938	5685	403	0	43785
Hake, Pac. (Whiting)..	0	0	0	0	430	371	683	2179	0	0	0	0	3663
Halibut, Pacific.....	0	0	0	0	0	294391	31874	34905	100152	0	0	0	461322
Lingcod.....	4739	4644	4653	4392	7123	10431	22525	47168	42805	21950	7493	1026	178949
Opah.....	0	0	0	0	0	0	483	0	257	0	0	0	740
Pac. Oc. Perch.....	14196	12714	16873	16590	22318	18420	24538	33602	21239	14381	6912	5950	207733
Nominal POP.....	5364	4476	3758	4806	20408	6648	8408	12814	11483	7638	855	1460	88118
Rockfish, widow.....	176388	259886	221334	177771	131448	172836	204060	225883	132383	73039	7018	0	1782046
Rockfish, yellowtail..	72838	80250	94621	89188	87628	64435	93001	86385	56268	75404	10761	6503	817282
Rkfsh, Sebastolobus...	5360	2588	10320	10631	9769	3388	4704	7333	3536	1145	2176	2704	63654
Rockfish, other spp...	75690	55073	63049	106009	169200	105700	155766	187334	151893	167434	37689	22875	1297712
Sablefish.....	22301	19372	47212	55045	132784	147156	182430	230471	202686	96308	0	0	1135765
Salmon, chinook.....	0	0	0	0	122487	366	60516	18410	19288	6358	30	0	227455
Salmon, coho.....	0	0	0	0	0	0	75808	4109	3599	0	0	0	83516
Salmon, pink.....	0	0	0	0	0	0	233	0	0	0	0	0	233
Sanddab, Pacific.....	7294	1752	3319	9544	9251	898	7543	4108	6864	8165	1182	696	60616
Shark, soupfin.....	81	143	0	0	0	194	4831	910	66	26	34	0	6285
Shark, thresher.....	0	0	0	0	0	0	63245	33833	29819	6576	0	0	133473
Shark, other.....	0	0	0	0	0	0	933	185	0	0	0	0	1118
Skates and rays.....	0	0	93	959	205	0	0	190	0	0	0	19	1466
Sole, butter.....	17	0	0	0	0	13	0	0	0	0	0	0	30
Sole, Dover.....	77595	64654	152409	133831	69204	63646	107516	124710	130749	108457	48947	41639	1123357
Sole, English.....	6661	3317	3918	9364	19941	21424	74859	30731	11354	26328	4831	4037	216765
Sole, flathead.....	0	0	0	0	0	31	0	17	0	0	0	0	48
Sole, petrale.....	160649	85650	15835	22790	20530	21766	49883	48833	35697	61048	20226	54397	597304
Sole, rex.....	4014	3788	2724	5764	11085	18794	27726	24898	28570	33411	3955	2133	166862
Sole, sand.....	2648	302	20235	37227	50648	29017	38931	49314	5831	19171	827	0	254151

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1987. 1/ 2/

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sturgeon, green.....	0	0	0	74	235	131	197	107	12	54	0	0	810
Sturgeon, white.....	0	0	65	116	0	0	585	0	0	210	0	0	976
Tuna, albacore.....	0	0	0	0	0	0	240	140933	140492	72774	0	0	354439
Tuna, other.....	0	0	0	0	0	0	9	0	0	0	0	0	9
Wolf-eel.....	0	0	0	17	124	213	69	170	87	0	0	0	680
Wrymouth.....	0	0	0	0	3	65	15	7	0	3	0	0	93
Miscellaneous.....	0	0	0	0	0	0	8212	0	1084	0	0	0	9296
CRUSTACEANS:													
Crab, Dungeness, Oc...	219956	67258	64923	45513	25412	12919	16212	5897	0	0	0	1450326	1908416
Shrimp, pink.....	0	0	0	1996166	1665924	2635542	2311166	1862391	1158474	1419436	0	0	13049099
MOLLUSKS:													
Octopus.....	38	71	67	195	413	567	752	1239	546	23	30	0	3941
TOTAL	864071	674338	737644	2745953	2618067	3684936	3666382	3303251	2357500	2287878	163474	1601717	24705211

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, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	1714	0	77	0	0	0	1791
Salmon, coho.....	0	0	0	0	0	0	4322	0	7	0	0	0	4329
Salmon, pink.....	0	0	0	0	0	0	80	0	0	0	0	0	80
MOLLUSKS:													
Clams, razor.....	404	1129	6496	12641	12851	11430	3140	0	7379	5373	1975	1354	64172
TOTAL	404	1129	6496	12641	12851	11430	9256	0	7463	5373	1975	1354	70372

TABLE 45B. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CANNON BEACH, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	9628	956	0	0	0	0	10584
Salmon, coho.....	0	0	0	0	0	0	6964	687	0	0	0	0	7651
Salmon, pink.....	0	0	0	0	0	0	209	13	0	0	0	0	222
TOTAL	0	0	0	0	0	0	16801	1656	0	0	0	0	18457

TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	30	50	0	0	99	48	67	50	344
Shrimp, ghost.....	39	44	119	251	481	392	288	246	259	277	299	0	2695
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	0	0	0	200	0	0	0	0	200
Clams, littleneck.....	0	0	0	310	274	2133	2785	2515	1947	1405	0	0	11369
Mussels, ocean.....	0	0	0	0	328	416	422	0	70	0	0	0	1236
TOTAL	39	44	119	561	1113	2991	3495	2961	2375	1730	366	50	15844

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	8	15	31	27	28	17	0	0	0	0	126
Cod, Pacific.....	317	3336	1191	0	0	83	580	689	2285	2528	0	2167	13176
Flounder, arrowtooth..	493	404	72	2	18	1	197	1017	593	747	192	1677	5413
Flounder, starry.....	0	2	0	0	0	0	0	7	25	0	0	0	34
Hake, Pac. (Whiting)..	0	0	0	0	92	0	0	0	0	0	0	0	92
Halibut, Pacific.....	0	0	0	0	0	0	3336	0	0	0	0	0	3336
Herring, Pacific.....	0	0	0	153	0	0	0	0	0	0	0	0	153
Lingcod.....	2215	2075	1338	62	183	300	2084	1581	5273	3234	0	3722	22067
Mackerel.....	0	0	0	0	0	0	0	2	0	0	0	0	2
Pac. Oc. Perch.....	1341	0	0	0	16	0	0	0	1230	1800	0	0	4387
Nominal POP.....	7651	6690	2408	0	0	0	0	83	3777	2253	0	565	23427
Rockfish, widow.....	0	1082	1830	290	0	0	8	63	2489	204	0	0	5966
Rockfish, yellowtail..	0	1611	1957	5838	9163	3485	0	0	558	0	0	0	22612
Rtfish, Sebastolobus...	313	392	498	14	89	414	1182	111	1237	2215	0	2009	8474
Rockfish, other spp...	1014	5639	19583	3539	5125	4457	11756	7531	30886	29864	6790	18023	144207
Sablefish.....	317	932	1483	953	6133	3231	6814	4633	9195	12834	0	24	46549
Salmon, chinook.....	0	0	0	0	26746	56254	290082	191958	212209	94600	0	0	871849
Salmon, coho.....	0	0	0	0	0	0	149546	77786	40920	0	0	0	268252
Salmon, pink.....	0	0	0	0	0	0	3905	534	8	0	0	0	4447
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	84	0	0	0	84
Shark, soupfin.....	0	23	0	0	0	0	0	0	0	0	0	0	23
Sole, curlfin (turbot)	0	0	0	0	0	101	78	0	0	0	0	0	179
Sole, Dover.....	979	2929	7951	2	2	188	3085	5848	18115	28003	3646	22679	93427
Sole, English.....	1015	488	192	0	0	0	2	557	911	1035	0	564	4764
Sole, flathead.....	0	0	0	0	0	0	73	109	201	63	0	0	446
Sole, petrale.....	21035	8521	2578	0	0	0	52	236	1130	4617	1441	36936	76546
Sole, rex.....	483	873	429	0	0	0	83	335	362	1087	0	1690	5342
Sole, sand.....	0	0	0	0	0	0	29	0	150	0	0	0	179
Tuna, albacore.....	0	0	0	0	0	0	0	10012	6064	0	0	0	16076

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GARIBALDI, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Wolf-eel.....	0	0	0	0	0	44	16	0	0	0	0	0	60
CRUSTACEANS:													
Crab, box.....	2	0	0	3	0	0	0	0	0	0	0	0	5
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	0	337	147	18	502
Crab, Dungeness, Oc...	72848	42451	30869	16758	37329	21408	33925	9497	0	0	0	162984	428069
Shrimp, ghost.....	195	161	604	416	692	959	4376	3425	1724	211	0	0	12763
Shrimp, mud.....	4637	4261	5128	2264	0	0	0	585	463	667	2954	5058	26017
Shrimp, pink.....	0	0	0	357566	498744	589366	419775	261764	337307	248111	0	0	2712633
MOLLUSKS:													
Clams, butter.....	0	73	0	39	288	149	60	59	0	0	38	0	706
Clams, cockle.....	982	846	0	303	555	1186	149	88	0	153	432	125	4819
Clams, gaper.....	0	0	0	0	0	0	93	353	0	0	0	0	446
Clams, littleneck....	664	343	269	995	1087	200	206	21	12	45	496	0	4338
Mussels, ocean.....	0	0	461	461	175	281	452	1840	1450	960	400	0	6480
Octopus.....	0	21	74	21	25	0	0	0	0	0	0	0	141
Squid.....	0	1	0	0	0	0	0	0	0	0	0	0	1
OTHER INVERTEBRATES:													
TOTAL	116501	83154	78923	389694	586493	682134	931972	580741	678658	435568	16536	258241	4838615

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1987.

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	281	137	0	418
Shrimp, ghost.....	0	0	4	15	15	11	0	0	0	0	0	0	45
Shrimp, mud.....	2167	3875	3352	2426	2702	2465	1547	1562	2400	2918	4269	5763	35446
TOTAL	2167	3875	3356	2441	2717	2476	1547	1562	2400	3199	4406	5763	35909

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	4	7	28	36	6	18	4	7	8	0	118
Flounder, starry.....	0	0	0	0	0	0	0	1	0	0	0	0	1
Hake, Pac. (Whiting)...	0	0	0	0	0	0	0	51	3	0	0	0	54
Halibut, Pacific.....	0	0	0	0	0	0	703	0	0	0	0	0	703
Lingcod.....	0	0	539	274	1881	1457	1062	616	268	410	326	15	6848
Macteral.....	0	0	0	0	0	0	185	49	0	0	0	0	234
Rockfish, widow.....	0	0	0	0	0	93	0	0	0	0	0	0	93
Rockfish, other spp...	0	0	510	2219	5412	3142	3484	3819	1584	84	31	8	20293
Salmon, chinook.....	0	0	0	0	153	710	55349	77781	28710	41438	0	0	204141
Salmon, chum.....	0	0	0	0	0	0	0	0	0	13	0	0	13
Salmon, coho.....	0	0	0	0	0	0	227163	115322	10879	0	0	0	353364
Salmon, pint.....	0	0	0	0	0	0	8501	723	40	0	0	0	9264
Tuna, albacore.....	0	0	0	0	0	0	0	0	578	0	0	0	578
Wolf-eel.....	0	0	0	0	5	2	8	3	0	0	0	0	18
Miscellaneous.....	0	0	0	0	0	0	0	1	0	0	0	0	1
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	176	324	149	0	0	0	0	649
Shrimp, ghost.....	701	505	740	639	1582	1584	2202	2408	3130	2231	1742	1136	18600
MOLLUSKS:													
Octopus.....	0	0	0	0	6	3	0	0	0	6	0	0	15
TOTAL	701	505	1793	3139	9067	7203	298987	200941	45196	44189	2107	1159	614987

TABLE 50. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SILETZ BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost.....	36	113	132	206	181	200	246	204	258	134	65	41	1824
TOTAL	36	113	132	206	181	200	246	204	258	134	65	41	1824

TABLE 51. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	233	220	507	366	141	90	42	14	13	7	55	69	1757
Cod, Pacific.....	0	0	0	28	0	0	0	0	0	0	0	0	28
Flounder, arrowtooth..	0	0	0	14	0	0	1	0	0	0	0	0	15
Flounder, starry.....	0	0	2	72	0	0	2	0	0	0	0	0	76
Hake, Pac. (Whiting)..	0	0	0	0	0	0	2	0	0	0	0	0	2
Halibut, Pacific.....	0	0	0	0	0	0	3593	0	0	0	0	0	3593
Lingcod.....	773	1701	5938	2013	1306	134	268	489	1043	1475	131	159	15430
Mackerel.....	0	0	0	0	0	0	3	2	2	0	0	0	7
Rockfish, widow.....	0	0	0	0	18	3	26	0	0	0	0	0	47
Rockfish, yellowtail..	0	0	0	0	0	0	0	0	1	0	0	0	1
Rockfish, other spp...	423	606	2476	2324	4486	371	927	274	587	799	146	3	13422
Sablefish.....	0	0	0	1	0	0	417	0	0	0	0	0	418
Salmon, chinook.....	0	0	0	0	12733	8603	48627	13234	34428	10484	0	0	128109
Salmon, coho.....	0	0	0	0	0	0	85661	6706	9947	0	0	0	102314
Salmon, pink.....	0	0	0	0	0	0	2349	32	5	0	0	0	2386
Sanddab, Pacific.....	0	0	15	312	0	0	0	0	0	0	0	0	327
Shark, soupfin.....	95	80	32	0	0	0	97	0	0	0	0	0	304
Shark, other.....	0	0	58	0	0	88	39	0	55	0	0	0	240
Sole, curlfin (turbot)	0	0	0	23	0	0	0	0	0	0	0	0	23
Sole, Dover.....	0	0	0	114	0	0	0	0	0	0	0	0	114
Sole, English.....	0	0	7	219	0	0	0	0	0	0	0	0	226
Sole, petrale.....	0	0	1	123	0	0	3	0	0	0	0	0	127
Sole, rex.....	0	0	7	34	0	0	0	0	0	0	0	0	41
Sole, sand.....	0	0	0	292	0	0	0	0	0	0	0	0	292
Tuna, albacore.....	0	0	0	0	0	0	0	0	85	0	0	0	85
Wolf-eel.....	4	0	127	143	155	41	15	11	6	0	0	0	502
CRUSTACEANS:													
Crab, Dungeness, Oc...	33087	31568	15211	20721	14250	9411	1735	2194	0	0	0	49723	177900

TABLE 51. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	105	28	0	0	0	0	0	0	0	0	0	86	219
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	0	0	103	0	0	120	0	0	223
TOTAL	34720	34203	24381	26799	33089	18741	143910	22956	46172	12885	332	50040	448228

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	5	17	54	24	30	8	31	10	7	1	2	3	192
Cod, Pacific.....	307	1164	287	762	17380	9237	14195	11275	8109	11318	678	491	75203
Flounder, arrowtooth..	187	913	98	1282	4212	3220	6765	6138	6493	5173	123	978	35582
Flounder, starry.....	0	8	21	326	232	735	403	3704	2163	3127	471	313	11503
Hake, Pac. (Whiting)..	0	0	0	0	5334	0	6558	3497	2747	3337	2943	0	24416
Halibut, Pacific.....	0	0	0	0	0	120937	296725	0	0	0	0	0	417662
Herring, Pacific.....	0	236176	0	0	0	0	11	9	0	0	0	0	236196
Lingcod.....	6083	4073	9555	8915	10813	3191	16459	7523	12880	22362	2116	823	104793
Mackerel.....	0	0	0	0	0	0	123	110	8	1	0	0	242
Opah.....	0	0	0	0	0	0	37	0	0	0	0	0	37
Pac. Oc. Perch.....	10114	20212	10130	10736	4255	14143	4191	5013	11321	13379	5037	2217	110748
Nominal POP.....	63727	46092	30765	10572	7470	13064	22235	22267	37159	87411	18285	2189	361236
Rockfish, widow.....	376896	396468	334131	203029	77090	6358	8917	184048	462268	202358	9068	0	2260631
Rockfish, yellowtail..	10458	18932	32169	28043	17853	676	4732	1651	17688	17201	8453	101	157957
Rkfish, Sebastolobus...	8726	13286	6306	16130	6753	6487	6098	4679	7225	12209	1721	3235	92855
Rockfish, other spp...	25692	70714	59405	175426	133297	33623	85647	62443	143161	168721	27602	20169	1005900
Sablefish.....	42372	56075	70312	142333	185034	245910	260107	172699	310814	268372	4727	0	1758755
Salmon, chinook.....	0	0	0	0	306994	225355	907824	541614	316301	170557	0	0	2468645
Salmon, coho.....	0	0	0	0	0	0	529586	170186	41457	0	0	0	741229
Salmon, pink.....	0	0	0	0	9	2	8810	588	7	0	0	0	9416
Sanddab, Pacific.....	8	911	930	1725	1888	1088	2476	4380	7000	9784	1558	1847	33595
Shark, soupfin.....	53	58	30	7	37	172	4037	118	0	83	26	0	4621
Shark, spiny dogfish..	0	0	2	0	0	2	5	0	0	35	19	0	63
Shark, thresher.....	0	0	0	0	0	0	19631	1120	0	0	0	0	20751
Shark, other.....	0	0	0	0	2	0	590	0	0	0	0	0	592
Skates and rays.....	188	257	7	213	49	60	298	0	80	3	0	0	1155
Sole, butter.....	0	0	0	0	1	0	0	0	0	6	141	22	170
Sole, curlfin (turbot)	0	67	33	28	76	65	194	197	149	16	345	97	1267
Sole, Dover.....	25510	21651	6638	24918	15856	11823	32953	40230	56509	136673	25848	17809	416418

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, English.....	1841	1868	1197	588	4443	5380	8325	10228	17507	18650	4908	5886	80821
Sole, petrale.....	58655	43747	2660	2140	9092	6713	31864	13661	17741	29500	5137	19846	240756
Sole, rex.....	1062	3238	788	1899	1500	764	2059	2269	5068	12426	2251	1875	35199
Sole, rock.....	4	24	0	0	10	338	6	57	50	44	257	97	887
Sole, sand.....	522	92	382	378	847	5679	11840	10871	9869	4057	1835	1078	47450
Sturgeon, green.....	13	0	31	42	52	17	16	13	36	156	55	147	578
Sturgeon, white.....	0	0	0	124	0	0	0	0	0	0	0	0	124
Surfperch.....	0	2	0	19	1	3	279	230	13	0	9	3	559
Tuna, albacore.....	0	0	0	0	0	0	371	206999	661951	30410	1000	0	900731
Wolf-eel.....	0	16	47	43	54	101	293	159	88	22	0	2	825
Miscellaneous.....	3	14	8	5	0	10	787	115	7	5	8	10	972
CRUSTACEANS:													
Crab, box.....	3	0	0	0	0	0	0	0	0	0	0	0	3
Crab, Dungeness, Bay..	0	21	27	6	64	49	0	0	0	0	0	25	192
Crab, Dungeness, Oc...	355981	160334	44324	46503	50808	38549	42735	16475	0	0	0	1646012	2401721
Crab, rock.....	87	430	543	1214	502	301	53	627	599	157	360	448	5321
Shrimp, ghost.....	18	55	159	863	568	1126	1317	0	23	18	45	14	4206
Shrimp, mud.....	0	0	0	0	2	1	0	0	0	0	0	4	7
Shrimp, pink.....	0	0	0	1692520	1493919	1268602	1016785	569712	1011940	833391	0	0	7886869
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	17	39	0	0	48	42	16	0	162
Mussels, ocean.....	0	63	0	0	0	0	0	0	0	0	100	0	163
Octopus.....	238	51	308	106	91	141	111	54	114	141	0	261	1616
Scallops, weathervane	0	5992	414	0	0	0	0	0	0	0	0	0	6406
Squid.....	0	0	0	0	0	0	0	0	0	0	0	2	2
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	0	0	0	45	0	0	0	0	45
TOTAL	988753	1103021	611761	2370919	2356635	2023969	3356479	2075014	3168600	2061146	125144	1726004	21967445

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPART, 1987.

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	7195	29144	20363	1373	58075
Shrimp, ghost.....	4215	4302	4946	7077	7616	5201	4469	6293	9550	7215	12696	10965	84545
Shrimp, mud.....	0	0	0	0	0	0	0	0	4	0	0	0	4
MOLLUSKS:													
Clams, softshell.....	0	3	9	0	0	7	7	6	0	0	4	0	36
Mussels, ocean.....	5	0	0	0	0	0	0	0	38	0	0	0	43
TOTAL	4220	4305	4955	7077	7616	5208	4476	6299	16787	36359	33063	12338	142703

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	0	0	26	0	0	0	0	0	0	0	0	26
Flounder, arrowtooth..	0	0	0	25	0	0	0	0	0	0	0	0	25
Flounder, starry.....	0	0	0	0	5	0	0	0	0	0	0	0	5
Hake, Pac. (Whiting)..	0	0	0	90	0	0	0	0	8	0	0	0	98
Halibut, Pacific.....	0	0	0	0	0	0	43	0	0	0	0	0	43
Lingcod.....	0	0	0	36	62	28	20	33	28	0	0	0	207
Rkfsh, Sebastolobus...	0	0	0	0	0	0	3	0	0	0	0	0	3
Rockfish, other spp...	0	0	1361	2592	73	61	208	13	101	290	0	0	4699
Sablefish.....	0	0	406	14213	30248	19313	33284	20503	92634	48678	0	0	259279
Salmon, chinook.....	0	0	0	0	71701	170959	486045	131167	31980	18335	0	0	910187
Salmon, coho.....	0	0	0	0	0	0	124013	28251	3117	0	0	0	155381
Salmon, pink.....	0	0	0	0	0	1	475	8	0	0	0	0	484
Sanddab, Pacific.....	0	0	0	545	0	0	0	0	0	7	0	0	552
Shad, American.....	0	0	0	0	4500	5643	0	0	0	0	0	0	10143
Sole, Dover.....	0	0	0	221	0	0	0	0	0	0	0	0	221
Sole, petrale.....	0	0	0	93	0	0	0	0	0	0	0	0	93
Sole, rex.....	0	0	0	266	0	0	0	0	0	0	0	0	266
Tuna, albacore.....	0	0	0	0	0	0	0	2126	8367	0	0	0	10493
Wolf-eel.....	0	0	0	0	33	4	0	0	0	0	0	0	37
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	0	0	0	4104	3852	0	0	7956
Crab, Dungeness, Oc...	20228	21115	9725	19839	20505	16625	14289	14922	0	0	0	196148	333396
Shrimp, ghost.....	168	318	709	1004	2294	1649	917	32	0	0	0	0	7091
MOLLUSKS:													
Clams, softshell.....	0	10	18	4	5	9	15	28	7	0	0	0	96
Mussels, ocean.....	0	0	0	0	0	206	0	0	0	0	0	0	206
TOTAL	20396	21443	12219	38954	129426	214498	659312	197083	140346	71162	0	196148	1700987

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	71	97	0	0	0	0	0	0	44	0	0	212
Flounder, arrowtooth..	0	27	9	0	0	0	165	0	0	0	0	0	201
Flounder, starry.....	0	3	28	0	0	0	0	0	0	0	0	0	31
Hake, Pac. (Whiting)..	0	0	0	0	0	0	14	0	676	0	0	0	690
Halibut, Pacific.....	0	0	0	0	0	0	35518	0	0	0	0	0	35518
Herring, Pacific.....	0	0	0	0	0	47	32	10	0	0	0	0	89
Lingcod.....	0	0	40	0	16	9	524	0	123	568	82	0	1362
Nominal POP.....	0	150	17	0	0	0	0	0	0	0	0	0	167
Rockfish, widow.....	0	0	0	0	0	0	956	0	0	0	0	0	956
Rkfsh, Sebastolobus...	0	0	19	0	0	0	0	0	0	0	0	0	19
Rockfish, other spp...	0	394	189	0	518	21	837	38	1149	516	90	0	3752
Sablefish.....	0	4332	6940	10162	16140	74481	75044	84330	119281	11069	0	0	401779
Salmon, chinook.....	0	0	0	0	87773	138422	651353	70773	31840	7882	0	0	988043
Salmon, cono.....	0	0	0	0	0	66	247884	22072	7508	0	0	0	277530
Salmon, pink.....	0	0	0	0	8	0	6498	12	3	0	0	0	6521
Sanddab, Pacific.....	0	149	83	0	0	0	0	0	0	60	0	0	292
Shad, American.....	0	0	0	0	1172	570	0	0	0	0	0	0	1742
Shark, soupfin.....	0	0	0	0	0	0	43	0	0	0	0	0	43
Skates and rays.....	0	19	96	0	0	0	0	0	0	0	0	0	115
Smelt.....	0	0	0	0	0	3	0	0	0	0	0	0	3
Sole, Dover.....	0	707	316	0	0	0	54	0	0	34	0	0	1111
Sole, English.....	0	14	0	0	0	0	0	0	0	8	0	0	22
Sole, petrale.....	0	24	186	0	0	0	0	0	0	0	0	0	210
Sole, rex.....	0	366	359	0	0	0	0	0	0	0	0	0	725
Sole, sand.....	0	0	74	0	0	0	0	0	0	0	0	0	74
Tuna, albacore.....	0	0	0	0	0	0	0	18412	28394	12643	0	0	59449
CRUSTACEANS:													
Crab, Dungeness, Bay..	0	0	0	0	0	57	0	0	5201	4296	2891	0	12445

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Crab, Dungeness, Oc...	170585	77783	34547	50014	26766	16420	34306	25250	0	0	0	296146	731817
Shrimp, pink.....	0	0	0	0	0	0	0	0	7769	9831	0	0	17600
MOLLUSKS:													
Mussels, ocean.....	1093	2365	1562	432	1110	2023	522	797	2544	1007	1412	1685	16554
TOTAL	171678	86404	44562	60608	133503	232119	1053750	221694	204488	47960	4475	297831	2559072

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	5	0	6	3	23	0	9	0	4	0	0	0	50
Cod, Pacific.....	211	2802	5588	7170	32164	5419	20929	13013	24345	20646	3979	1303	137569
Flounder, arrowtooth..	176	273	355	548	2179	585	1826	4493	3449	1630	358	422	16294
Flounder, starry.....	19	40	43	210	2351	3017	4505	2450	974	128	5	0	13742
Grenadier.....	0	0	60	0	0	0	0	0	0	0	0	0	60
Hake, Pac. (Whiting)..	0	0	0	0	288	1702	1062	0	787	178	0	0	4017
Halibut, Pacific.....	0	0	0	0	0	0	60867	0	0	0	0	0	60867
Lingcod.....	1373	4357	7478	15591	10813	5076	20930	5008	39342	39298	14648	2591	166505
Mackerel.....	0	0	0	0	0	0	19	1	25	5	0	0	50
Pac. Oc. Perch.....	2782	1907	1868	2350	5913	3438	1549	462	812	3364	970	0	25415
Nominal POP.....	8795	5373	12425	7857	12787	18573	18769	9906	17419	13979	8269	5615	139767
Rockfish, widow.....	49645	29840	19349	14819	257	920	584	1133	2924	4861	490	0	124822
Rockfish, yellowtail..	6632	3599	27502	6270	7160	1283	1114	6864	36906	40112	28487	2021	167950
Rkfsh, Sebastolobus...	29982	42009	22489	10482	17813	12788	22763	16285	33710	33547	8992	10096	260956
Rockfish, other spp...	18755	46222	28767	40838	70092	40186	63470	35823	164947	194104	54719	21512	779435
Sablefish.....	58711	60621	54210	81991	158251	46451	130114	124872	252251	168460	5403	1410	1142745
Salmon, chinook.....	0	0	0	0	254110	180661	3246687	647461	677910	67070	1966	0	5075865
Salmon, coho.....	0	0	0	0	0	1663	832946	136915	85701	0	0	0	1057225
Salmon, pink.....	0	0	0	0	83	149	29659	289	12	0	0	0	30192
Sanddab, Pacific.....	476	5402	17956	4975	5987	11645	12223	10337	4050	875	158	1110	75194
Shark, soupfin.....	21	43	8	0	50	72	59	0	0	50	319	168	790
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	0	20	20
Shark, thresher.....	0	0	0	0	0	0	262	1272	0	0	0	0	1534
Shark, other.....	0	0	0	19	46	220	294	19	106	50	0	16	770
Skates and rays.....	73	36	268	794	807	815	918	174	41	0	0	0	3926
Sole, butter.....	0	0	0	74	256	371	646	636	447	0	0	0	2430
Sole, curlfin (turbot)	86	24	4	104	45	537	162	595	194	0	0	0	1751
Sole, Dover.....	209868	193080	213599	122664	137913	55086	149545	161272	317000	378800	196434	186354	2321615
Sole, English.....	11754	8713	7137	9074	18024	19924	25005	13862	45312	29067	9197	12901	209970

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CHARLESTON, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, petrale.....	177705	58297	12724	9183	6574	14614	19545	7576	12842	27199	82905	156847	586011
Sole, rex.....	3717	3431	2563	3319	4407	954	1538	154	2205	2921	2287	2264	29760
Sole, rock.....	0	0	0	0	74	18	0	0	82	0	0	0	174
Sole, sand.....	646	255	231	1816	5666	5182	12820	23283	12016	2479	0	0	64394
Sturgeon, green.....	50	0	40	70	684	0	0	0	0	0	0	0	844
Sturgeon, white.....	0	0	0	512	1057	1255	2357	318	244	315	0	0	6058
Tuna, albacore.....	0	0	0	0	0	0	4927	122633	143926	8757	0	0	280243
Wolf-eel.....	0	0	1	5	5	0	6	7	6	0	0	0	30
Wrymouth.....	0	0	0	0	2	0	0	0	0	0	0	0	2
Miscellaneous.....	0	0	0	0	16	0	1	0	0	0	0	0	17
CRUSTACEANS:													
Crab, box.....	2	0	0	0	0	0	0	0	0	0	0	0	2
Crab, Dungeness, Bay..	1574	337	254	88	0	5	0	0	1676	11690	13081	2794	31499
Crab, Dungeness, Oc...	108786	72428	48729	53241	46119	23602	55959	33377	0	0	0	587959	1030200
Crab, Tanner.....	242	0	0	0	0	0	0	0	0	0	0	0	242
Shrimp, ghost.....	0	0	0	0	0	102	1008	1295	740	361	629	0	4135
Shrimp, mud.....	1607	1514	222	65	0	0	0	0	0	0	0	0	3408
Shrimp, pink.....	0	0	0	1583570	1019006	679582	814402	192265	576225	438473	0	0	5303523
MOLLUSKS:													
Clams, butter.....	0	0	0	80	42	54	0	175	169	109	50	37	716
Clams, cockle.....	370	87	120	0	99	0	0	0	0	0	9	0	685
Clams, gaper.....	0	0	0	0	0	0	130	58	358	393	132	56	1127
Clams, littleneck.....	0	0	0	7	0	0	0	0	0	2	0	0	9
Clams, softshell.....	0	20	0	0	0	0	10	0	0	0	23	0	53
Mussels, ocean.....	9	0	23	8	9	30	23	0	0	0	0	0	102
Octopus.....	0	17	45	17	48	70	249	0	33	0	0	73	552
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	0	110	0	0	0	0	0	0	0	110
TOTAL	694072	540727	484064	1977814	1821330	1136049	5559891	1574283	2459190	1488923	433510	995569	19165422

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hake, Pac. (Whiting)...	0	0	0	0	0	0	22	0	0	0	0	0	22
Halibut, Pacific.....	0	0	0	0	0	0	136	0	0	0	0	0	136
Lingcod.....	0	0	530	38	3	0	27	8	58	72	0	0	736
Rockfish, other spp...	0	0	145	9	638	34	2325	924	1867	266	0	0	6208
Salmon, chinook.....	0	0	0	0	103608	8758	424860	80242	53470	3491	0	0	674429
Salmon, coho.....	0	0	0	0	0	0	105306	14797	10925	0	0	0	131028
Salmon, pink.....	0	0	0	0	18	0	3408	24	0	0	0	0	3450
Tuna, albacore.....	0	0	0	0	0	0	0	0	3507	0	0	0	3507
CRUSTACEANS:													
Crab, Dungeness, Oc...	0	0	0	0	0	138	627	835	0	0	0	0	1600
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	0	0	97	0	0	0	80	177
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	1440	0	0	1440
TOTAL	0	0	675	47	104267	8930	536711	96927	69827	5269	0	80	822733

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	20	21	79	212	22	5	7	1	53	271	74	23	788
Cod, Pacific.....	0	0	0	0	0	0	1702	322	0	48	0	0	2072
Flounder, arrowtooth..	0	0	0	0	0	0	0	0	4	5	0	0	9
Halibut, Pacific.....	0	0	0	0	0	0	33869	0	0	0	0	0	33869
Lingcod.....	2079	3346	7649	5365	1134	322	2161	1224	4690	5498	881	641	34990
Mominal POP.....	0	0	0	0	0	0	82	137	0	0	0	0	219
Rockfish, widow.....	0	7	0	0	0	0	0	0	0	0	0	0	7
Rkfsh, Sebastolobus...	0	0	0	0	0	0	0	22	0	0	0	0	22
Rockfish, other spp...	1451	6452	6810	11167	6139	1755	5049	1980	6608	7537	809	166	55923
Sablefish.....	0	8677	3850	19300	46059	23646	64228	227	16258	19674	0	0	201919
Salmon, chinook.....	0	0	0	0	17399	200621	338546	91283	49854	76808	90059	0	864570
Salmon, coho.....	0	0	0	0	0	7780	43779	13846	5716	0	0	0	71121
Salmon, pink.....	0	0	0	0	2	265	1498	76	0	0	0	0	1841
Sanddab, Pacific.....	0	0	0	0	0	0	276	73	0	0	0	0	349
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	21	0	21
Shark, other.....	0	22	0	83	0	0	0	0	62	0	0	0	167
Skates and rays.....	0	2	0	1	0	0	0	0	0	0	0	0	3
Sole, Dover.....	0	0	0	11	0	0	3096	1763	0	0	0	0	4870
Sole, English.....	0	0	0	0	0	0	7875	1673	0	0	0	0	9548
Sole, petrale.....	0	0	0	0	0	0	6712	567	6	0	0	0	7285
Sole, rex.....	0	0	0	0	0	0	563	68	0	0	0	0	631
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	1293	0	0	1293
Wolf-eel.....	0	5	23	27	45	12	8	7	6	18	1	0	152
Miscellaneous.....	0	50	333	0	0	0	0	426	1272	1174	0	0	3255
CRUSTACEANS:													
Crab, Dungeness, Oc...	67491	46857	26829	37324	31766	9285	36520	19101	0	0	0	87502	362675
Shrimp, pink.....	0	0	0	0	15661	0	3522	11329	13259	0	0	0	43771

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Mussels, ocean.....	254	0	0	0	0	0	0	0	0	0	0	0	254
Octopus.....	7	9	133	94	41	0	32	0	0	100	0	2069	2485
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	0	0	2622	4151	0	0	1734	9484	13610	6778	3038	41417
TOTAL	71302	65448	45706	76206	122419	243691	549525	145859	107272	126036	98623	93439	1745526

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	816	59	325	616	897	832	1936	1176	79	0	6736
Rockfish, other spp....	0	0	43	0	151	1847	4885	4455	3036	921	43	0	15381
Salmon, chinook.....	0	0	0	0	8093	5901	4500	946	3697	0	0	0	23137
Salmon, coho.....	0	0	0	0	0	261	362	124	555	0	0	0	1302
Salmon, pink.....	0	0	0	0	0	0	22	0	0	0	0	0	22
TOTAL	0	0	859	59	8569	8625	10666	6357	9224	2097	122	0	46578

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1987.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	7	0	0	0	0	0	0	7
Cod, Pacific.....	0	0	190	0	305	0	48	3449	2255	1902	390	13	8552
Flounder, arrowtooth..	8	5	43	92	38	7	86	103	809	498	226	74	1989
Flounder, starry.....	0	0	0	0	0	0	14	4	0	0	0	0	18
Halibut, Pacific.....	0	0	0	0	0	0	833	0	0	0	0	0	833
Lingcod.....	36	914	5737	1764	4079	301	878	4503	16658	26444	2463	293	64070
Nominal POP.....	89	488	996	313	410	12	299	514	2415	5582	1270	2977	15365
Rockfish, widow.....	0	6	8012	47473	39456	38805	35442	41602	89010	4404	1172	0	305382
Rockfish, yellowtail..	0	43	1964	1873	2214	18	686	2529	7447	10899	533	1556	29762
Rkfsh, Sebastolobus...	3372	6190	4822	10955	11323	1341	1649	413	6121	6781	1163	2622	56752
Rockfish, other spp...	669	3273	2671	11455	14579	3140	5382	13160	30115	35119	4291	1833	125687
Sablefish.....	2490	4249	6327	15575	13898	12453	16367	2968	34048	28601	0	0	136976
Salmon, chinook.....	0	0	0	0	257001	696843	100532	4466	8417	3840	0	0	1071099
Salmon, coho.....	0	0	0	0	0	38252	14178	1582	1433	0	0	0	55445
Salmon, pink.....	0	0	0	0	2	287	533	45	0	0	0	0	867
Sanddab, Pacific.....	0	22	50	20	0	0	29	4	0	43	46	0	214
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	116	0	0	116
Skates and rays.....	0	0	43	0	0	6	0	0	0	0	0	0	49
Smelt.....	194	5768	635	0	0	0	0	0	0	0	0	0	6597
Sole, butter.....	0	0	0	0	0	0	20	0	0	0	0	0	20
Sole, Dover.....	8382	9588	11424	25352	13391	2246	12173	10279	61475	44579	14831	8968	222688
Sole, English.....	0	199	277	182	551	0	849	391	1082	6423	1030	97	11081
Sole, petrale.....	115	1084	1825	23	124	0	46	248	1258	4099	2165	33458	44445
Sole, rex.....	781	472	282	634	394	105	395	190	2331	2158	589	1141	9472
Sole, sand.....	0	63	0	0	0	0	101	75	0	0	0	0	239
Surfperch.....	0	158	665	213	0	153	0	0	0	0	0	0	1189
Tuna, albacore.....	0	0	0	0	0	0	0	6613	24191	17647	0	0	48451

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TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1987.

(CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Oc...	136599	60700	22555	24114	12625	1331	3437	5208	0	0	0	597433	864002
Shrimp, pink.....	0	0	0	624376	166248	96083	135625	81658	98404	56313	0	0	1258707
MOLLUSKS:													
Octopus.....	676	846	159	66	242	103	133	295	106	288	61	2255	5230
OTHER INVERTEBRATES:													
Sea urchins, red.....	0	344	103	655	0	1570	0	71	0	6822	0	0	9565
TOTAL	153411	94412	68780	765135	536880	893063	329735	180370	387575	262558	30230	652720	4354869

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private salmon hatcheries, 1983-1987.

	Chinook Adults	Chinook Jacks	Coho Adults	Coho Jacks ^{1/}	Chum
1983					
Number	5,117	974	127,845	6,098	515
Pounds	54,441	2,052	504,685	10,210	3,961
1984					
Number	3,571	2,728	84,501	30,902	821
Pounds	55,196	8,208	458,235	89,363	7,561
1985					
Number	9,288	25,387	288,481	43,564	3,220
Pounds	118,929	113,878	1,631,704	101,986	21,470
1986					
Number	66,362	8,157	445,103	8,641	769
Pounds	759,610	29,558	2,345,616	15,328	6,796
1987					
Number	36,781	1,894	119,020	1,507	265
Pounds	560,445	6,959	619,786	1,815	1,857

1/ May include small adults.

Table 62. Pounds of salmon harvest by Oregon private salmon hatcheries, 1987. ^{1/}

Species	March	April	May	June	July	August	September	October	November	December	January	February	Total
Chinook													
Adult...	--	1,466	32,718	59,063	74,784	44,061	148,602	153,498	44,714	1,539	--	--	560,445
Jack....	--	3	35	369	2,045	407	1,954	2,004	142	--	--	--	6,959
Coho													
Adult...	--	--	--	--	78	3,097	313,023	280,539	20,281	2,739	--	29	619,786
Jack....	--	4	--	14	7	466	732	279	255	58	--	--	1,815
Chum													
Adult...	--	--	--	--	--	--	7	104	1,431	315	--	--	1,857
TOTAL													
Adult...	--	1,466	32,718	59,063	74,862	47,158	461,632	434,141	66,426	4,593	--	29	1,182,088
Jack....	--	7	35	383	2,052	873	2,686	2,283	397	58	--	--	8,774

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, 1987.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BAKER													
Carp	0	0	0	0	2023	913	7216	1032	0	0	0	0	11184
Crayfish	0	0	0	0	152	4596	9663	6965	8525	7614	0	0	37515
TOTAL	0	0	0	0	2175	5509	16879	7997	8525	7614	0	0	48699
CLACKANAS													
Crayfish	0	0	0	0	344	5060	11627	3308	2464	1288	0	0	24091
Lamprey, Pacific	0	0	0	0	253	5080	300	0	0	0	0	0	5633
TOTAL	0	0	0	0	597	10140	11927	3308	2464	1288	0	0	29724
CLATSOP													
Crayfish	0	0	0	272	637	5750	6138	7427	7679	7219	0	0	35122
COLUMBIA													
Crayfish	0	0	0	41	6	1521	2606	679	525	112	0	0	5490
CROOK													
Crayfish	0	0	0	0	0	6	1644	1350	1626	0	0	0	4626
DESCHUTES													
Crayfish	0	0	0	0	0	0	890	0	0	0	0	0	890
HOOD RIVER													
Crayfish	0	0	0	0	0	0	0	121	72	0	0	0	193
JEFFERSON													
Crayfish	0	0	0	17050	28149	31866	35265	25502	18215	3032	0	0	159079
LAKE													
Shrimp, Brine	0	0	0	0	3700	8700	10700	0	0	0	0	0	23100
LINCOLN													
Crayfish	0	0	0	0	0	0	0	30	0	0	0	0	30

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TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CARP, CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1987.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MALHEUR													
Crayfish	0	0	0	0	0	0	0	0	456	0	0	0	456
MARION													
Crayfish	0	0	0	0	879	0	0	0	0	0	0	0	879
MULTNOMAH													
Crayfish	0	0	0	429	239	10825	11752	8730	7207	2137	0	0	41319
POLK													
Crayfish	0	0	0	0	0	60	0	0	0	0	0	0	60
TILLAMOOK													
Crayfish	0	0	0	0	0	0	143	32	0	0	0	0	175
UMATILLA													
Crayfish	0	0	0	0	0	0	0	73	0	0	0	0	73
WASHINGTON													
Crayfish	0	0	0	0	9	0	2722	1786	1001	0	0	0	5518
Mussels, Freshwater	0	0	0	0	0	0	0	3407	0	0	0	0	3407
TOTAL	0	0	0	0	9	0	2722	5193	1001	0	0	0	8925
YAMHILL													
Crayfish	0	0	0	0	2785	5556	4898	3600	2817	1107	0	0	20763
TOTAL													
Carp	0	0	0	0	2023	913	7216	1032	0	0	0	0	11184
Crayfish	0	0	0	17792	33200	65240	87348	59603	50587	22509	0	0	336279
Mussels, Freshwater	0	0	0	0	0	0	0	3407	0	0	0	0	3407
Lamprey, Pacific	0	0	0	0	253	5080	300	0	0	0	0	0	5633
Shrimp, Brine	0	0	0	0	3700	8700	10700	0	0	0	0	0	23100

Table 64. Oregon oyster production (gallons), 1978-87.

Bay/Species	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
<u>Tillamook Bay</u>										
Kumomoto oyster...	0	0	0	6	7	0	0	9	4	0
Pacific oyster....	20,166	15,665	18,912	22,575	26,174	21,330	30,964	21,204	21,325	23,930
<u>Netarts Bay</u>										
Pacific oyster....	16	0	60	40	0	0	6	40	30	36
<u>Yaquina Bay</u>										
Kumomoto oyster...	477	2	1	0	0	1	16	0	0	0
Pacific oyster....	6,214	8,104	6,240	7,020	7,713	6,423	7,210	10,911	12,130	12,798
Native oyster.....	77 1/	0	0	0	0	0	0	0	0	0
<u>Coos Bay</u>										
Pacific oyster....	3,196	3,985	4,135	4,089	3,164	3,138	9,834	5,270	3,065	3,942
TOTAL	30,146	27,756	29,348	33,730	37,058	30,892	48,030	37,434	36,554	40,706

SOURCE: Oregon Department of Agriculture

1/ Eastern oysters.

APPENDIX

1987 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 \$255 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 slightly over \$328 million.

Although the commercial fishing industry provides only about one percent of total Oregon earned income, it is extremely important to the coastal economy, providing about 19 percent of coastal earned income in 1987. Table 1 is a summary of the personal income contribution of the industry to coastal areas and the state.

A more detailed report, *Oregon's Commercial Fishing Industry: Its Importance to Oregon's Economy in 1986*, has been developed by the West Coast Fisheries Development Foundation. For those interested more generally in Oregon's coastal economy, another booklet, *The Economic Landscape of the Oregon Coast*, has recently been published by the Oregon Coastal Zone Management Association. This booklet describes the importance of different economic sectors to the Oregon coastal economy in 1987.

Table 1. Personal Income Contribution of the Oregon Commercial Fishing and Processing Industry to Oregon Coastal Communities and to Oregon, 1987. (Millions of Dollars) 1/ 2/

	Astoria and Columbia R. Area	Tillamook Area	Newport Area	Florence Area	Reedsport Area	Coos Bay Area	Brookings (Curry County) Area	All Coastal Communities	Total Statewide Impact
Landed Fish	78.7	10.9	45.9	2.8	4.7	43.1	9.4	195.5	251.4
Distant Water	15.5	1.7	35.0	0.5	0.5	5.0	1.0	59.2	77.0
Total	94.2	12.6	80.9	3.3	5.2	48.1	10.4	254.7	328.4
Percent of Total Personal Income 3/	20%	4%	16%	3%	7%	6%	5%	11%	0.9%
Percent of Total Earned Income 4/	33%	9%	31%	5%	12%	10%	9%	19%	1.3%

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 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 some cases the landings of communities listed includes landings from smaller ports in the area. For example, Brookings includes landings for all of Curry County. 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 data in "Local Area Personal Income," Vol. 9, Far West Region, 1976-1986. U.S. Department of Commerce, Bureau of Economic Analysis. The 1986 data on personal income are roughly adjusted to approximate 1987 personal income data which were not available at the time of preparation. Personal income is the sum of wages and salaries, other labor income, proprietors' income, personal rental income, personal dividend income, personal interest income and transfer payments less personal contributions for social security.

4/ Computed as total income generated directly and indirectly by the commercial fishing and processing industry divided by total earned income. Earned income does not include transfer payments, dividends, interest or rent.