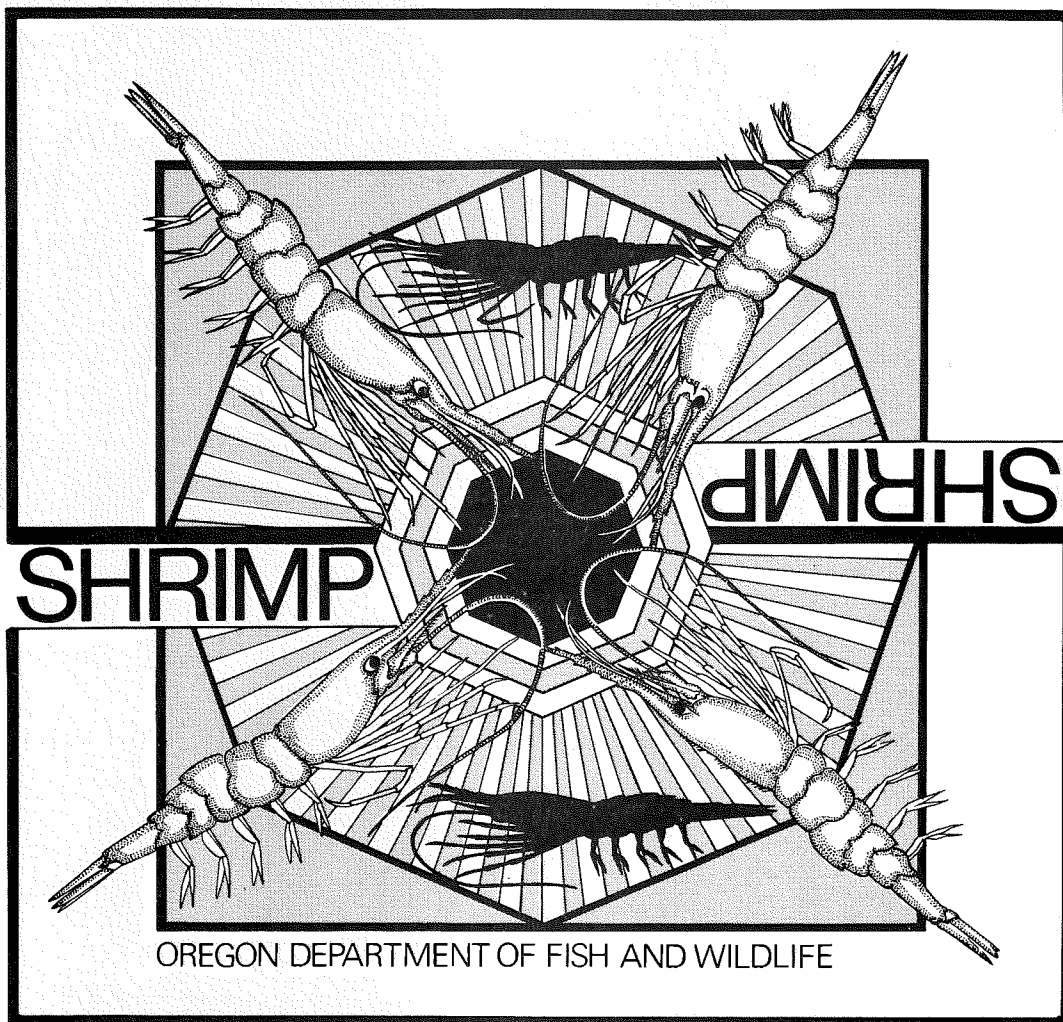


1986 POUNDS AND VALUES

OF COMMERCIALLY CAUGHT
FISH AND SHELLFISH
LANDED IN OREGON



1986

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

by

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FOREWORD

The statistics presented in this publication provide information on the amount and value of commercial food fish landings in the State of Oregon in 1986. This information is frequently requested by various government, industry, or private user groups for resource management, marketing, land use planning, or other needs. We have not attempted to explain management objectives, harvest methods, or trends in the commercial fisheries.

The joint efforts of many persons were required to assemble this material—the commercial fishing industry, wholesale fish dealers, and Oregon Department of Fish and Wildlife personnel. Department biologists reviewed the accuracy of the reported information and data processing personnel spent many hours editing and entering the information for computer tabulation. To all of these people we extend our thanks.

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EXPLANATION OF TABLES

Source of data

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

Landings

Commercial landings are reported for the Columbia River (Oregon landings only), locations along the coast (Fig. 1), and by county for freshwater species. coastal locations represent the major port or area of landing. These landings include ocean, bay or inland caught fish or shellfish. For ocean caught fish, port of landing does not necessarily indicate the area of catch, as many boats fish coastwide to their home port or land their catch.

The common and scientific names of species reported in the commercial catch are shown in Table 1. Fish dealers are required to record each species landed; however, this is not always possible due to the difficulty identifying certain species. The rockfish in particular are a group that are difficult to differentiate because of structural similarities among several species. However some species are distinct and easily identifiable and are reported separately in the tables; such as the yellowtail and widow rockfish.

The widow rockfish, as reported in 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 widow rockfish reported only as rockfish on the fish ticket. Listing widow rockfish as a single species in the tables would only represent harvest of this species from midwater trawl gear. In 1984 we asked fish dealers to report the widow rockfish separately on the ticket since they were being sorted at sea and landed separately by the fishermen.

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

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

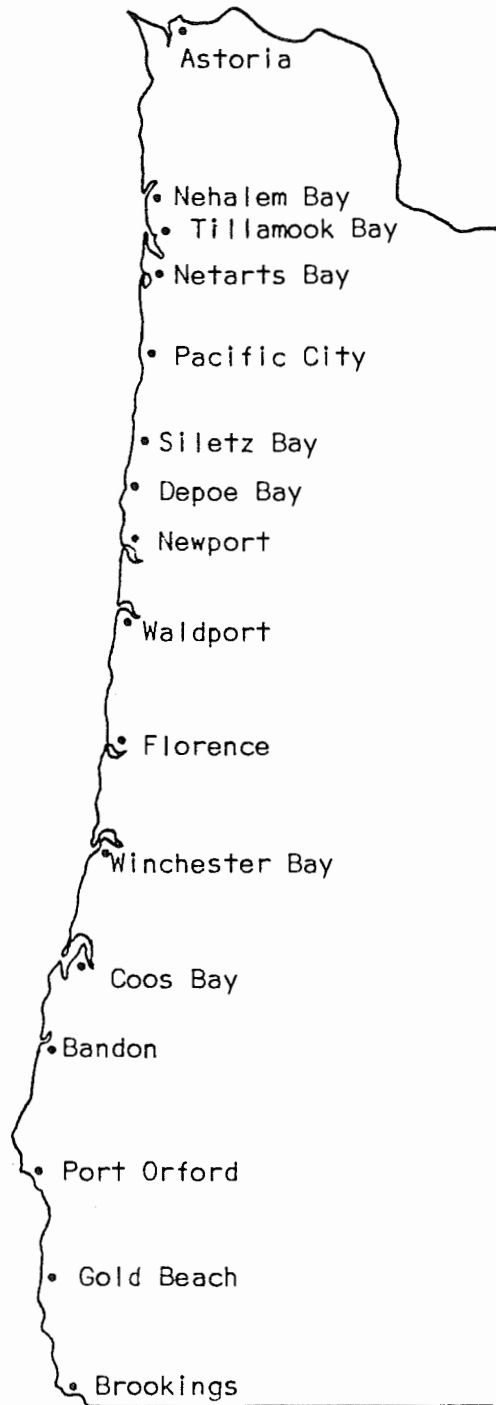


Figure 1. Oregon coastal ports.

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.....	+1220%

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. Further, fishermen are not required to sell their catch immediately upon landing, and they may store their catch in cold storage until prices improve or for whatever other reason they may have.

The trends portrayed in Table 3 (Annual Landings, 1977-86) 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	
Cabezon.....	<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 alascanus</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>
Halibut, Pacific.....	<i>Hippoglossus stenolepis</i>	Bluefin.....	<i>Thunnus thynnus</i>
Herring, Pacific.....	<i>Clupea harengus pallasii</i>	Skipjack.....	<i>Euthynnus pelamis</i>
Lamprey, Pacific.....	<i>Entosphenus tridentatus</i>	Yellowfin.....	<i>Thunnus albacares</i>
Lingcod.....	<i>Ophiodon elongatus</i>	Walleye.....	<i>Stixostedion vitreum vitreum</i>
Mackerel.....	Members of the family <i>Carangidae</i> and <i>Scombridae</i>	Wolf-eel.....	<i>Anarrhichthys ocellatus</i>
Opa.....	<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>Chionoecetes</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 californiensis</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>Saxidomus 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.
Soupfin.....	<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>Patinopectin caurinus</i>
Flathead.....	<i>Hippoglossoides elassodon</i>	Squid.....	<i>Loligo opalescens</i>
Petrale.....	<i>Opsetta 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, 1977-86.

Type	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Albacore tuna landing.....	164	179	147	134	223	87	105	81	48	51
Bait fishing.....	52	64	66	72	112	91	96	97	106	122
Boat.....	4095	4359	4263	4928	4575	4231	3966	2078	2982	3072
Individual fishing.....	7980	8566	8258	8383	8008	7449	6853	3946	5619	6330
Single delivery.....	66	77	55	224	196	109	85	113	165	406
Gillnet.....	--	730	815	571 ^{1/}	534 ^{1/}	511 ^{1/}	475 ^{1/}	436 ^{1/}	373 ^{1/}	370 ^{1/}
Scallop permit.....	--	--	--	--	196	164	144	134	113	101
Shrimp permit.....	--	--	--	373	295	268	234	209	180	173
Troll permit.....	--	--	--	4311	3926	3646	3439	3203	2993	2739
Bait dealer:										
Reporting.....	41	49	43	55	77	45	59	67	66	71
Non-reporting.....	2/	2/	2/	2/	2/	8	17	27	34	33
Buyer.....	102	96	93	84	121	119	124	78	94	122
Canner, fish.....	14	13	13	12	8	8	7	7	8	6
Canner, shellfish.....	2	3	2	3	3	3	4	3	2	2
Limited fish seller	--	--	--	--	--	--	--	--	2	31
Wholesale fish dealer:										
Reporting.....	200	170	187	243	229	217	221	180	181	168
Non-reporting.....	2/	2/	2/	2/	2/	12	18	13	14	21
Private hatchery.....	2/	2/	2/	2/	2/	7	8	8	9	7
Boat, lost license.....	5	15	16	2	--	40	28	11	18	23
Indiv. fishing, lost license.	64	59	66	21	10	55	38	11	14	18
Special permit.....	213	214	235	129	99	115	103	107	92	73
TOTAL	12998	14594	14259	19545	18612	17185	16024	10809	13113	13639

1/ Gillnet permit

2/ Included with Reporting

TABLE 3. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1977-1986.

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
FISH:										
Anchovy, northern....	200	300	700	0	0	200	0	0	31	0
Bonito, Pacific.....	0	0	0	0	0	0	1462	0	0	0
Cabezon.....	0	0	0	0	299	142	702	2512	5681	10963
Carp.....	0	0	0	6362	0	0	50	0	0	0
Cod, Pacific.....	846913	931676	931704	356522	116947	260319	196644	175782	85401	67789
Flounder, arrowtooth.	194708	380564	745000	438774	1311268	1617209	1191733	919403	1539458	1107314
Flounder, starry.....	746795	1211186	645989	426768	889441	481812	432560	236979	789941	215869
Grenadier.....	0	0	0	0	0	0	798	0	0	0
Hake, Pac. (Whiting).	974687	858049	304700	605298	360251	3316	142536	745561	1950069	926681
Halibut, Pacific.....	78500	62998	43448	176684	150396	234730	579560	1055044	812822	1313774
Herring, Pacific.....	54874	137231	175448	140723	148410	144970	145915	177452	163566	220300
Lamprey, Pacific.....	1481	9090	8935	3233	4666	39169	4482	3391	6381	4740
Lingcod.....	996228	1180735	1805165	1662778	2307361	3213736	3830684	2344785	2320901	1444321
Mackerel.....	3613	810	5231	20	26	85	18253	6724	13	4
Opah.....	0	0	0	0	0	0	448	0	0	89
Pollock, walleye....	0	0	0	0	0	0	348	880	310	1523
Prickleback, monkeyface	0	0	0	0	0	0	302	250	71	487
Pac. Oc. Perch.....	1446010	1934061	4193424	3615284	4350997	5508130	5192175	1576824	1554767	1385049
Nominal POP.....	3/	3/	3/	3/	3/	3/	3/	1472712	2378182	2093582
Rockfish, Widow.....	4/	4/	4/	4/	31768970	19198987	4/	11635817	9535857	9435395
Rockfish, Yellowtail.	4/	4/	4/	4/	4/	4/	4/	4/	2985880	3667900
Rkfish, Sebastolobus..	4/	4/	4/	4/	4/	4/	4/	1785270	2361759	1399250
Rockfish, other spp..	6457698	11559767	19194651	35173303	18321418	22031780	30291426	12231908	10033146	7912703
Sablefish.....	921098	3816029	17024760	6025840	5166329	11220816	10234762	10666025	11624342	10261789
Salmon, chinook.....	6953526	4543434	4804950	3954327	2439675	4365148	1287328	1759165	3856605	6477211
Salmon, chum.....	810	13086	338	1824	11118	13964	1100	10978	3560	8287
Salmon, chinook.....	3291276	4148041	6160328	3255659	4156442	4204763	1300319	1183454	1822156	6936485
Salmon, plnk.....	455566	281	122324	1805	372605	0	269	0	297429	12
Salmon, sockeye.....	210	50	10	0	0	472	2998	82495	143251	14311
Sanddb, Pacific.....	243560	227027	453383	356592	293589	526000	531290	614479	395496	321095
Shad, American.....	369780	671598	703166	291414	117477	435351	359719	198414	140143	343154
Shark, soupfln.....	1805	856	3049	1791	3585	11081	13905	7784	9087	7161
Shark, spiny dogfish.	56090	160326	85446	56305	10608	2090	2581	873	290	363
Shark, thresher.....	0	0	0	0	0	0	0	0	2092	935100
Shark, other.....	0	0	0	0	1293	8213	7100	696	1616	1333
Skates and Rays.....	255298	401579	408573	183673	85861	63889	159640	59495	11385	22767
Smelt.....	956275	7100	791228	328762	24013	55346	40343	30551	673322	36636
Sole, butter.....	48558	63498	44244	26713	22463	19178	12075	2252	707	1034
Sole, curlfin(turbot)	5/	10087	2532	1016	5105	9793	9489	6908	4518	4752
Sole, Dover.....	4075203	7546417	11226910	9080509	11672995	17951407	18698513	13472731	12585063	10623952
Sole, English.....	2171203	2283864	2390661	1584178	1600095	2187335	2014645	993103	1031237	1221130
Sole, flathead.....	22814	18127	31165	7035	11111	6524	17105	11854	32132	5556
Sole, petrale.....	1818942	2246190	2330293	1890934	1948665	3323843	2435788	1517840	1273559	1568374
Sole, rex.....	952756	1431578	1638048	1175957	1346409	1865611	1426686	1210425	874431	629946
Sole, rock.....	20360	20164	20301	28729	19871	66543	9278	4630	1424	12862
Sole, sand.....	466900	569098	769564	564653	735458	856930	696583	481734	485018	531913
Sole, slender.....	0	64	0	25	0	0	0	0	5	0
Sole, miscellaneous..	16595	19252	39777	0	0	0	0	0	0	0
Steelhead.....	73000	74900	41193	29772	61060	53564	80487	562348	454332	360654
Sturgeon, green.....	16721	34995	22243	23240	9990	21219	18970	54870	31431	87823
Sturgeon, white.....	240962	181219	312161	183927	280123	236691	296648	401621	306687	485588
Sunfish, ocean.....	0	0	0	0	0	0	244	70	0	0
Surfperch.....	0	288	2487	121	167	342	2421	4920	3314	4369
Tomcod, Pacific.....	0	0	0	0	0	0	46	0	0	0
Tuna, albacore.....	4420159	11285419	3106607	3504715	7726890	1913063	3410429	1630763	1524601	2461004
Tuna, other.....	5478762	7112254	5713979	1006	0	580	177	185	0	364
Wolf-eel.....	145	688	253	690	1435	2348	6747	5067	6947	7064
Miscellaneous..... 6/	552768	122328	97253	221060	335370	1219	3	271	223	1421
CRUSTACEANS:										
Crab, box.....	0	0	0	0	0	502	16207	271881	93431	3060
Crab, Dungeness.....	19902419	12501274	15631877	18650635	6984025	7035245	5350560	5013455	7422901	4660672
Crab, rock.....	0	863	2333	1788	7	0	0	1155	1552	1806
Crab, Tanner.....	0	0	0	0	0	65	1338	0	48	0

TABLE 3. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) IN OREGON, 1977-1986. (CONT.)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Crayfish.....	32494	11286	20663	78359	83904	155231	125519	104745	196241	217829
Shrimp, brine.....	0	0	278	3125	3935	7100	12402	16500	20100	22400
Shrimp, ghost (sand).	33097	57325	46546	57888	55499	68749	69905	115699	110134	75368
Shrimp, mud.....	0	0	0	0	0	0	0	0	4663	53232
Shrimp, pink.....	48580070	56666109	29586586	30152030	25923589	18461988	6547073	4843571	14855247	33883577
MOLLUSKS:										
Clams, bay.....	75758	215031	94912	-	-	-	-	-	-	-
Clams, butter.....	7/	7/	7/	40	2409	3669	4035	4842	1646	2862
Clams, cockle.....	7/	7/	7/	2244	4580	10517	2579	17919	29412	32697
Clams, gaper.....	7/	7/	7/	73459	62142	104290	95091	50573	20121	16519
Clams, Littleneck....	7/	7/	7/	4268	4892	13265	34444	46874	46266	27575
Clams, razor.....	45781	41455	36228	20291	22516	26528	100	5803	58253	2906
Clams, softshell.....	7/	7/	7/	456	684	248	36	366	1809	3558
Mussels, ocean.....	312	818	19068	60629	17866	18372	28267	36198	40168	37494
Mussels, freshwater..	0	0	0	0	0	0	2485	3856	0	2378
Octopus.....	4049	16122	24187	14013	14082	18597	16780	12970	7682	9540
Scallop, weathervane.	0	0	3434	0	16853845	1487941	2648965	3329234	819030	105523
Squid.....	0	0	0	0	225	113138	297410	946725	1751773	26371
OTHER INVERTEBRATES:										
Sea urchin.....	0	0	0	0	0	0	0	0	0	55820
Worms, tube.....	0	0	0	0	0	0	0	1333	2069	0
TOTAL	114356829	134786587	131867733	124507246	148224452	129683351	100360962	84170994	99603185	113822428

1/ INCLUDES CURLFIN SOLE (TURBOT).

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

3/ INCLUDED IN PACIFIC OCEAN PERCH.

4/ INCLUDED IN ROCKFISH, OTHER SPP.

5/ INCLUDED IN ARROWTOOTH FLOUNDER.

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

7/ INCLUDED IN BAY CLAMS.

TABLE 3A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1977-1986.

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
FISH:										
Anchovy, northern....	3	350	0	0	0	50	0	0	34	0
Bonito, Pacific.....	0	0	0	0	0	0	504	0	0	0
Cabezon.....	0	43	15	76	30	183	802	1274	2271	0
Carp.....	0	0	1289	0	0	15	0	0	0	0
Cod, Pacific.....	186543	186806	71414	24857	62376	48830	45198	21740	18242	0
Flounder, arrowtooth..	42819	87394	41341	119956	164932	120601	91980	154469	113258	0
Flounder, starry.....	177352	133904	90919	198705	120726	117274	66428	224359	62831	0
Grenadier.....	0	0	0	0	0	160	0	0	0	0
Hake, Pac. (Whiting)..	56017	19252	42156	25139	68	39486	44065	163209	59623	0
Halibut, Pacific.....	114522	95628	152569	160251	255599	630308	802395	799284	1869505	0
Herring, Pacific.....	16473	73906	84435	57211	118262	78077	44299	243176	94399	0
Lamprey, Pacific.....	1364	2681	970	2008	26681	582	856	2233	1659	0
Lingcod.....	244034	428971	377296	512504	767717	953314	585556	604400	443023	0
Mackerel.....	71	786	10	2	21	7796	671	1	1	0
Opah.....	0	0	0	0	0	90	0	0	36	0
Pollock, walleye....	0	0	0	0	0	0	35	221	62	61
Prickleback, monkeyface	0	0	0	0	0	0	50	45	13	104
Pac. Oc. Perch.....	349778 1/	838972 1/	641488 1/	696320 1/	1032197 1/	1110487 1/	365189	393053	384223	0
Nominal POP.....	2/	2/	2/	2/	2/	2/	306783	553919	549627	0
Rockfish, Widow.....	3/	3/	3/	4062242	3059712	3/	2669442	2370142	2572719	0
Rockfish, Yellowtail..	3/	3/	3/	3/	3/	3/	3/	423301	757761	1032689
Rkfish, Sebastolobus..	3/	3/	3/	2935590	4165621	6040081	2887349	2595437	395134	395134
Rockfish, other spp..	2154468	3872098	5275650	1074003	2465680	2213240	2213122	3334997	2324962	2324962
Sablefish.....	1132911	6652072	1058227	4829927	7608117	1883384	3055784	6739449	3600071	3600071
Salmon, chinook.....	6404489	9044905	6720957	0	0	0	0	0	6739449	8264478
Salmon, chum.....	11868	252	1251	6869	7250	581	5770	1278	3014	0
Salmon, coho.....	5213575	11752416	3774321	5909667	4739763	1091541	1384676	1790440	6708735	0
Salmon, pink.....	182	90679	1366	272840	0	174	0	168007	6	0
Salmon, sockeye.....	51	7	0	0	702	2021	90866	154038	16447	0
Sanddab, Pacific.....	50837	124948	99256	78901	156212	169939	200896	120456	110051	0
Shad, American.....	138686	202053	61251	28035	155335	73453	44959	26161	66775	0
Shark, soupfin.....	327	924	769	1216	4224	6579	4505	4536	5129	0
Shark, spiny dogfish..	9036	5878	3907	734	171	190	69	29	104	0
Shark, thresher.....	0	0	0	0	0	0	0	2092	585070	0
Shark, other.....	0	0	0	658	4815	3603	530	792	911	0
Skates and Rays.....	26577	36917	15806	6747	15818	33112	10316	2694	5991	0
Smelt.....	703	68684	27345	2508	7694	10123	8710	97504	8930	0
Sole, butter.....	11523	9426	5766	4240	4246	2685	470	172	216	0
Sole, curlfin(turbot)	1512	774	350	1962	2988	2889	1929	1480	1635	0
Sole, Dover.....	1524571	2416047	1830109	2568746	4190843	4227393	3193069	3159418	2826414	0
Sole, English.....	537988	663376	433616	462755	700883	650712	319919	342424	439679	0
Sole, flathead.....	4723	8128	1267	3094	2040	5459	3861	10588	1977	0
Sole, petrale.....	853654	1038031	874186	1027317	2060523	1697737	1092768	935803	1198068	0
Sole, rex.....	334819	473051	350410	403710	600783	466922	401039	291065	225847	0
Sole, rock.....	4172	6966	10585	6878	22246	2834	1435	389	4455	0
Sole, sand.....	180662	295410	220556	340389	447093	414482	295969	305618	346481	0
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	0
Sturgeon, green.....	10072	12069	10205	4222	7881	7478	25092	14946	44021	0
Sturgeon, white.....	113478	359422	188454	291297	250871	335821	548390	447939	771369	0
Sunfish, ocean.....	0	0	0	0	0	49	14	0	0	0
Surfperch.....	48	279	121	93	80	1286	2311	1963	2177	0
Tomcod, Pacific.....	0	0	0	0	0	9	0	0	0	0
Tuna, albacore.....	7414394	2113208	2745478	6678117	1265387	1881210	884510	814322	919763	0
Tuna, other.....	2905498	2542568	584	0	243	89	184	0	125	0
Wolf-eel.....	67	56	690	1435	563	1262	1696	1485	1765	0
Miscellaneous..... 4/	3670	3064	0	134	1615	1	130	14	2665	0
CRUSTACEANS:										
Crab, box.....	0	0	0	0	294	10828	153622	46588	1530	0
Crab, Dungeness.....	9599007	11626124	12373341	6712248	7550695	7934349	7758923	10740671	6588472	0
Crab, rock.....	86	556	1788	7	0	0	1155	1552	1806	0
Crab, Tanner.....	0	0	0	0	39	1552	0	17	0	0

TABLE 3A. ESTIMATED VALUE (\$), AT THE FISHERMAN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1977-1986. (CONT.)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Crayfish.....		9723	22555	68630	97858	166362	128710	108999	201763	225533
Shrimp, brine.....		0	84	3749	4330	8520	17115	24750	11250	22395
Shrimp, ghost (sand).		35912	85217	95385	66677	71728	51175	107897	237379	151555
Shrimp, mud.....		0	0	0	0	0	0	0	12782	185811
Shrimp, pink.....		14902939	11339584	16683901	13042627	9288864	4656160	2148029	5241302	18104562
MOLLUSKS:										
Clams, bay.....		42521	29811	-	-	-	-	-	-	-
Clams, butter.....		5/	5/	37	663	1175	1642	1967	715	1368
Clams, cockle.....		5/	5/	804	1137	2615	861	7686	11734	12839
Clams, gaper.....		5/	5/	22041	21369	34852	29477	15804	5492	3487
Clams, littleneck....		5/	5/	3841	5193	14268	56620	48320	45219	28352
Clams, razor.....		39339	41961	26630	34967	42807	189	10417	114989	6058
Clams, softshell.....		5/	5/	311	403	166	36	185	705	2672
Mussels, ocean.....		257	9469	22289	15642	24911	17116	31168	30161	33377
Mussels, freshwater..		0	0	0	0	0	55	3605	0	666
Octopus.....		6360	10171	6180	6254	8354	7065	5924	4151	5861
Scallop, weathervane.		0	593	0	4671448	427292	778781	1017784	327922	47588
Squid.....		0	0	0	45	9117	79901	199941	318577	2684
OTHER INVERTEBRATES:										
Sea urchin.....		0	0	0	0	0	0	0	0	14707
Worms, tube.....		0	0	0	0	0	0	667	535	0
TOTAL		54976332	66894472	54559875	57556927	52209637	38147769	34365180	45814646	61727192

- 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 SPECIES.
 5/ INCLUDED IN BAY CLAMS.

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1986.

SPECIES	COLUMBIA RIVER	ASTORIA	TILLAMOOK	PACIFIC CITY	DEPOE BAY	NEWPORT	FLORENCE	WINCHESTER BAY	COOS BAY	BANDON	PORT ORFORD	GOLD BEACH	BROOKINGS	OTHER LOCATIONS	TOTAL
FISH:															
Cabezon	0	0	0	1111	5939	216	0	0	1031	0	2666	0	0	0	10963
Cod, Pacific	0	59113	2292	0	0	1142	0	0	5147	0	0	0	95	0	67789
Flounder, arrowtooth	0	867771	12108	0	44	155637	0	2340	58376	0	11	0	11027	0	1107314
Flounder, starry	515	183538	3733	0	0	15708	10	0	12208	0	0	0	0	157	215869
Hake, Pac. (Whiting)	0	112773	0	0	0	415096	5568	993	390541	349	0	0	1361	0	926681
Halibut, Pacific	0	1006785	2046	966	3915	194349	743	11162	51651	271	36261	0	5625	0	1313774
Herring, Pacific	0	0	0	0	0	218324	0	1976	0	0	0	0	0	0	220300
Lamprey, Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	4740	4740
Lingcod	0	540003	25367	19018	30662	341208	2401	2016	331484	253	69693	5651	76308	257	1444321
Mackerel	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Opah	0	89	0	0	0	0	0	0	0	0	0	0	0	0	89
Pollock, walleye	0	1523	0	0	0	0	0	0	0	0	0	0	0	0	1523
Prickleback, monkeyface	0	45	27	0	0	58	0	86	269	0	0	0	0	0	487
Pac. Oc. Perch	0	806842	45006	0	0	388205	0	0	144876	0	0	0	0	120	1385049
Nominal POP	0	328996	38636	0	0	980967	0	4992	702859	0	16	6	37110	0	2093582
Rockfish, Widow	0	2906689	6584	0	60	5197706	0	174	729768	0	267	0	594147	0	9435395
Rockfish, Yellowtail	0	2889636	0	0	9	155094	0	0	596990	0	0	0	26171	0	3667900
Rkfish Sebastolobus	0	269898	12259	0	42	278025	0	1056	676933	0	0	0	161037	0	1399250
Rockfish, other spp.	0	3062002	255405	76350	120315	2257739	15092	6540	1744088	17658	159358	20316	177484	356	7912703
Sablefish	0	1767023	75770	0	238048	3166832	489316	592267	2451248	29425	831775	28563	591522	0	10261789
Salmon, chinook	2601275	68403	117436	19776	25337	838030	184187	263812	1680900	160076	158511	36237	321044	2187	6477211
Salmon, chum	6115	0	0	1921	49	174	0	0	0	0	0	0	0	28	8287
Salmon, coh.	4745920	64968	177359	303810	144439	872803	55946	45925	328702	21023	35561	3933	76219	59877	6936485
Salmon, pink	0	0	0	0	3	7	0	0	0	0	0	0	0	2	12
Salmon, sockeye	14311	0	0	0	0	0	0	0	0	0	0	0	0	0	14311
Sanddab, Pacific	0	168778	38	0	0	30828	22178	187	96843	0	0	0	2243	0	321095
Shad, American	308683	0	0	0	0	0	12451	22020	0	0	0	0	0	0	343154
Shark, soupfin	0	3529	16	0	0	1862	0	0	1217	0	420	0	117	0	7161
Shark, spiny dogfish	0	0	0	0	0	240	0	0	123	0	0	0	0	0	363
Shark, thresher	0	765358	0	0	0	141388	0	0	28354	0	0	0	0	0	935100
Shark, other	0	402	0	36	0	197	0	0	543	0	77	55	23	0	1333
Skates and Rays	0	1192	10	0	0	3231	0	2627	13843	0	207	0	1657	0	22767
Smelt	8718	0	0	0	0	0	0	40	0	0	0	0	27878	0	36636
Sole, butter	0	0	0	0	0	486	0	0	548	0	0	0	0	0	1034
Sole, curflin(turbot)	0	0	0	0	0	1083	0	0	3669	0	0	0	0	0	4752
Sole, Dover	0	3905160	226182	0	150	819475	9182	42485	4851900	0	0	0	769418	0	10623952
Sole, English	0	880272	23837	0	0	119221	4521	310	163046	0	0	0	29923	0	1221130
Sole, flathead	0	3212	2344	0	0	0	0	0	0	0	0	0	0	0	5556
Sole, petrale	0	564296	91324	0	0	214202	2230	1464	680007	0	0	0	14851	0	1568374
Sole, rex	0	408981	13983	0	0	51409	65	2872	123972	0	0	0	28664	0	629946
Sole, rock	0	47	0	0	0	3774	0	0	9041	0	0	0	0	0	12862
Sole, sand	0	370603	6418	0	0	65734	936	0	86986	0	0	0	1236	0	531913
Steelhead	360654	0	0	0	0	0	0	0	0	0	0	0	0	0	360654
Sturgeon, green	81620	3618	0	0	0	740	0	0	1845	0	0	0	0	0	87823
Sturgeon, white	482220	2904	21	0	0	52	0	0	391	0	0	0	0	0	485588
Surfperch	0	75	0	0	4	1977	0	0	0	0	0	0	2313	0	4369
Tuna, albacore	0	1423523	0	0	3663	470208	7141	63375	428911	0	0	8	64175	0	2461004
Tuna, other	0	364	0	0	0	0	0	0	0	0	0	0	0	0	364
Wolf-eel	0	2316	26	160	406	2478	0	0	394	0	1278	6	0	0	7064
Miscellaneous	588	765	0	0	2	66	0	0	0	0	0	0	0	0	1421
CRUSTACEANS:															
Crab, box	0	0	0	0	0	3060	0	0	0	0	0	0	0	0	3060
Crab, Dungeness, Bay	0	0	0	0	0	1502	205	8761	9605	0	0	0	0	8448	28521
Crab, Dungeness, Oc.	0	900198	296897	474	77527	1421879	103407	456783	514798	0	134810	274	725092	12	4632151
Crab, rock	0	0	0	0	0	1806	0	0	0	0	0	0	0	0	1806
Crayfish	0	0	0	0	0	0	0	0	0	0	0	0	0	217829	217829
Shrimp, brine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22400
Shrimp, ghost (sand)	0	0	26279	18070	0	2	2361	540	2392	0	0	0	0	25724	75368
Shrimp, mud	0	0	22724	0	0	0	0	0	9347	0	0	0	0	21163	53232
Shrimp, pink	0	12815078	4411582	0	0	0	0	6296	7346486	28200	92929	0	1418437	0	33883577
MOLLUSKS:															
Clams, butter	0	0	1002	0	0	0	0	0	1668	0	0	0	0	192	2862

TABLE 4. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY PORT IN OREGON, 1986. (CONT.)

SPECIES	COLUMBIA RIVER 1/	ASTORIA	TILLAMOOK	PACIFIC CITY	DEPOE BAY	NEWPORT	FLORENCE	WINCHESTER BAY	COOS BAY	BANDON	PORT ORFORD	GOLD BEACH	BROOKINGS	OTHER 2/ LOCATIONS	TOTAL
Clams, cockle.....	0	0	25797	0	0	6	0	0	943	0	0	0	0	5951	32697
Clams, gaper.....	0	0	0	0	0	0	0	0	16519	0	0	0	0	0	16519
Clams, littleneck....	0	0	2526	0	0	0	0	0	165	0	0	0	0	24882	27573
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2906	2906
Clams, softshell.....	0	0	12	0	0	0	1206	0	262	2078	0	0	0	0	3558
Mussels, ocean.....	0	2093	204	0	160	0	514	33714	638	0	0	0	0	171	37494
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	0	0	0	0	2378	2378
Octopus.....	0	3104	154	22	538	1795	0	0	159	0	720	0	3048	0	9540
Scallop, weather vane.	0	0	0	0	0	105523	0	0	0	0	0	0	0	0	105523
Squid.....	0	0	122	0	0	26249	0	0	0	0	0	0	0	0	26371
OTHER INVERTEBRATES:															
Sea urchin.....	0	0	0	0	0	0	0	0	0	0	55820	0	0	0	55820
TOTAL	8610619	37161965	5925526	441714	651312	26732366	919660	1574815	24301686	259333	1580380	95049	5168502	399501	113822428

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, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	229	160	1067	909	654	1309	1029	1252	993	946	1244	1171	10963
Cod, Pacific.....	0	310	266	3575	10752	15650	14493	6591	4065	5933	2590	3564	67789
Flounder, arrowtooth.....	21075	67953	69719	50750	155877	88412	187296	194332	133117	62829	43391	32563	1107314
Flounder, starry.....	173	504	2448	8781	24626	35675	53430	42954	27232	18424	1579	43	215869
Hake, Pac. (Whiting).....	0	1567	0	163825	316107	66938	132642	115172	1040	129267	123	0	926681
Hallbut, Pacific.....	0	0	0	0	310592	383405	387587	76	232114	0	0	0	1313774
Herring, Pacific.....	0	124263	1748	0	92172	229	1888	0	0	0	0	0	220300
Lamprey, Pacific.....	0	0	0	0	0	3640	1100	0	0	0	0	0	4740
Lingcod.....	30071	21588	73310	102971	158610	183736	180572	161666	207085	163843	76266	84603	1444321
Mackerel.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Opah.....	0	0	0	0	0	0	0	89	0	0	0	0	89
Pollock, walleye.....	0	0	0	0	0	1523	0	0	0	0	0	0	1523
Prickleback, monkeyface	0	0	10	0	0	0	27	18	55	207	162	8	487
Pac. Oc. Perch.....	100098	149912	131446	101042	150624	166273	173028	113341	90431	76180	50968	81706	1385049
Nominal POP.....	276852	103072	260925	170520	167221	231444	230642	115060	98158	124389	131426	183873	2093582
Rockfish, Widow.....	2159464	1605823	1666056	961537	536460	331083	578144	728576	760639	49489	23945	34179	9435395
Rockfish, yellowtail.....	177240	278494	342561	152187	313647	372614	451751	358168	398689	301645	255479	265425	3667900
Rkfsh, Sebastolobus..	123571	100328	234017	99284	135453	110589	90430	64641	46909	100376	112365	181287	1399250
Rockfish, other spp..	331415	420922	719984	483535	1092356	855067	776971	827402	786501	717781	396903	503866	7912703
Sablefish.....	371630	499482	677858	448427	1045904	1161460	1723329	1545710	1085417	817675	346528	538369	10261789
Salmon, chinook.....	536	34399	76333	0	395062	529176	1320823	1215484	2505958	383577	15863	0	6477211
Salmon, chum.....	0	0	0	0	14	0	2130	28	0	2962	3153	0	8287
Salmon, coho.....	0	12	0	0	0	60072	1930605	202559	1767751	2245475	730011	0	6936485
Salmon, pink.....	0	0	0	0	0	0	10	2	0	0	0	0	12
Salmon, sockeye.....	0	0	0	0	0	14311	0	0	0	0	0	0	14311
Sanddab, Pacific.....	117	4656	22773	22550	64953	17557	46488	60304	47701	25016	4244	4736	321095
Shad, American.....	0	0	0	0	79350	263640	164	0	0	0	0	0	343154
Shark, soupfin.....	688	448	378	0	130	2213	1305	627	313	248	488	323	7161
Shark, spiny dogfish..	0	0	0	0	125	0	169	15	0	0	13	41	363
Shark, thresher.....	0	0	496	138	0	0	192140	739698	2388	240	0	0	935100
Shark, other.....	0	0	86	0	0	512	338	0	0	0	0	59	1333
Skates and Rays.....	106	1228	1350	829	4160	1754	2002	2824	3237	1651	2692	954	22767
Smelt.....	5022	9292	7052	14987	283	0	0	0	0	0	0	0	36636
Sole, butter.....	0	0	0	0	67	178	423	290	0	0	0	0	174
Sole, curflin(turbot)	0	0	0	0	215	0	3086	247	782	301	0	0	4752
Sole, Dover.....	425888	644785	1408685	784877	802077	495165	795265	849531	604581	1121501	1020518	1671079	10623952
Sole, English.....	10842	19142	47121	43985	130646	93505	209077	269718	207718	120009	28461	40906	1221130
Sole, flathead.....	496	0	88	198	290	0	239	1964	859	1203	0	219	5556
Sole, petrale.....	222296	202340	134784	19046	52675	33584	76081	99577	87165	78090	96560	466176	1568374
Sole, rex.....	22351	27865	47084	19080	86227	73389	92658	58524	63736	77354	30086	31592	629946
Sole, rock.....	0	0	0	0	0	43	10380	2107	281	51	0	0	12862
Sole, sand.....	316	1458	6837	26642	74525	42268	117440	122069	45257	45663	16520	32918	531913
Steelhead.....	0	9929	14532	0	9406	0	61746	251359	13682	0	0	0	360654
Sturgeon, green.....	49	166	466	554	2827	925	36105	39035	6324	964	266	142	87823
Sturgeon, white.....	10686	54376	41496	12032	2688	4184	61323	116770	128408	34735	13308	5582	485588
Surfperch.....	0	0	473	1798	187	655	1149	13	75	1	18	0	4369
Tuna, albacore.....	0	0	0	0	0	0	65096	1580893	743692	60488	10835	0	2461004
Tuna, other.....	0	0	0	0	0	0	253	94	17	0	0	0	364
Wolf-eel.....	0	48	159	367	615	1739	1559	1497	359	477	53	191	7064
Miscellaneous.....	0	0	0	310	557	285	3	261	0	0	0	5	1421
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	0	0	0	0	0	3060	3060
Crab, Dungeness, Bay..	0	0	0	0	0	189	131	688	8001	10293	8144	1075	28521
Crab, Dungeness, Oc..	729185	410499	258351	91845	102557	108697	72523	42856	0	0	0	2815638	4632151
Crab, rock.....	0	0	0	0	389	899	0	82	29	165	9	233	1806
Crayfish.....	0	0	0	13813	18257	41650	54505	41424	35580	12600	0	0	217829
Shrimp, brine.....	0	0	0	0	0	11000	8300	3100	0	0	0	0	22400
Shrimp, ghost (sand)..	2851	2274	3320	6604	10844	10078	8708	8688	6944	7483	4261	3313	75368
Shrimp, mud.....	6438	6549	14855	8244	1123	975	896	1310	1696	2508	3526	5312	53232
Shrimp, pink.....	0	0	0	5243628	8067386	6053254	4134869	3840104	3516866	3027470	0	0	33883577
MOLLUSKS:													
Clams, butter.....	342	93	759	394	313	358	444	22	12	0	25	100	2862

TABLE 5. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH IN OREGON, 1986. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, cockle.....	2065	4622	5311	4340	3957	1857	2382	1351	0	0	6402	410	32697
Clams, gaper.....	0	0	0	0	0	0	2859	1551	2707	5164	1959	2279	16519
Clams, littleneck....	1513	892	2327	2216	2727	3653	4936	3647	2369	1637	816	840	27573
Clams, razor.....	62	658	544	797	410	194	82	0	29	34	35	61	2906
Clams, softshell.....	12	6	280	670	272	758	795	525	240	0	0	0	5558
Mussels, ocean.....	2129	3415	5998	3424	3347	2609	1370	1277	2188	2456	4874	4407	37494
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	2378	0	0	2378
Octopus.....	1197	577	533	203	609	870	951	634	619	545	137	2665	9540
Scallop, weather vane.	0	16019	89438	0	0	0	0	0	0	66	0	0	105523
Squid.....	0	0	38	123	26088	0	0	0	0	0	37	85	26371
OTHER INVERTEBRATES:													
Sea urchin.....	0	0	0	0	0	17316	2741	12034	3163	7533	11157	1876	55820
TOTAL	5037005	4830126	6373274	9070927	14446915	11908255	14246915	13660715	13920926	9863021	3457240	7007109	113822428

TABLE 6. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH FROM THE COLUMBIA RIVER, 1986. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BELOW BONNEVILLE DAM													
FISH:													
Flounder, starry.....	0	0	167	0	0	0	0	139	205	4	0	0	515
Salmon, chinook.....	536	34365	75500	0	0	59	751	32163	1333742	141247	4182	0	1622545
Salmon, chum.....	0	0	0	0	0	0	0	0	2962	3153	0	0	6115
Salmon, coho.....	0	0	0	0	0	0	0	1952	1721579	2244647	730011	0	4698189
Salmon, sockeye.....	0	0	0	0	0	3677	0	0	0	0	0	0	3677
Shad, American.....	0	0	0	0	61662	246880	0	0	0	0	0	0	308542
Smelt.....	4560	3758	400	0	0	0	0	0	0	0	0	0	8718
Sturgeon, green.....	0	28	222	0	0	119	35735	38627	6095	623	171	0	81620
Sturgeon, white.....	10686	21509	13628	0	0	49	40448	64064	44570	21033	6367	0	222354
Miscellaneous.....	0	0	0	0	338	250	0	0	0	0	0	0	588
TOTAL	15782	59660	89917	0	62000	251034	76934	136945	3106191	2410516	743884	0	6952863
ABOVE BONNEVILLE DAM													
FISH:													
Salmon, chinook.....	0	34	833	0	0	3555	0	93367	863353	17588	0	0	978730
Salmon, coho.....	0	12	0	0	0	0	0	719	46172	828	0	0	47731
Salmon, sockeye.....	0	0	0	0	0	10634	0	0	0	0	0	0	10634
Shad, American.....	0	0	0	0	0	141	0	0	0	0	0	0	141
Steelhead.....	0	9929	14532	0	0	9406	0	61746	251359	13682	0	0	360654
Sturgeon, white.....	0	32867	27868	12032	0	4045	20644	52517	83668	13702	6941	5582	259866
TOTAL	0	42842	43233	12032	0	27781	20644	208349	1244552	45800	6941	5582	1657756
TOTAL	15782	102502	133150	12032	62000	278815	97578	345294	4350743	2456316	750825	5582	8610619
1/ OREGON LANDINGS ONLY.													

TABLE 7. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT ASTORIA, 1986. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	310	266	3575	10512	15576	14319	6591	2889	3991	292	792	59113
Flounder, arrowtooth..	12984	61345	32133	36461	118792	65233	156934	148992	119058	49353	38227	28259	867771
Flounder, starry.....	173	367	1798	7936	20398	34120	48679	33819	20264	14981	1003	0	183538
Hake, Pac. (Whiting)..	0	0	0	0	4575	66928	25648	12472	0	3150	0	0	112773
Halibut, Pacific.....	0	0	0	0	310576	188143	275952	0	232114	0	0	0	1006785
Lingcod.....	6612	5012	19543	15150	41795	66967	103719	90699	118095	58882	4528	9001	540003
Opah.....	0	0	0	0	0	0	0	89	0	0	0	0	89
Pollock, walleye.....	0	0	0	0	0	1523	0	0	0	0	0	0	1523
Pickleback, monkeyface	0	0	0	0	0	0	0	0	36	9	0	0	45
Pac. Oc. Perch.....	29229	77661	52717	28771	118289	114239	130154	90059	70313	41797	21697	31916	806842
Nominal POP.....													
Rockfish, widow.....	30355	27985	34932	6645	25103	56353	46972	45739	36631	8809	3074	6398	328996
Rockfish, yellowtail..	402390	375346	254072	154502	216037	211950	503071	439810	325156	18782	570	5003	2906689
Rkfsh, Sebastes.....	77105	155841	262403	123839	259488	348632	434988	349953	385294	211189	91224	189680	2889636
Rockfish, other spp..	11135	3777	29489	37954	52172	18956	27772	18044	18373	13059	21064	18103	269898
Rockfish, other spp..	61216	123928	110303	159650	457848	384833	468915	446760	304147	289840	56459	198103	3062002
Sablefish.....													
Salmon, chinook.....	26863	46337	87084	85066	252775	150881	367752	403375	120662	71871	64915	89442	1767023
Salmon, coho.....	0	0	0	0	49068	414	6598	7399	3090	1834	0	0	68403
Salmon, coho.....	0	0	0	0	0	0	1754	63214	0	0	0	0	64968
Sanddab, Pacific.....	117	3945	10855	13185	63821	11021	4564	15427	19966	21026	2841	2010	168778
Shark, soupfin.....	237	340	122	0	68	691	1116	491	121	134	28	181	3529
Shark, thresher.....													
Shark, other.....	0	0	0	0	0	0	153964	609796	1358	240	0	0	765358
Skates and Rays.....	0	795	180	95	122	0	84	232	0	0	0	0	402
Sole, Dover.....	112919	256941	436320	517620	402472	196615	467051	321416	268853	188930	214062	521961	3905160
Sole, English.....	1934	6777	19551	28075	107657	78467	176803	234560	157354	56618	9050	3426	880272
Sole, flathead.....													
Sole, petrale.....	496	0	0	88	198	26	30	676	815	883	0	0	3212
Sole, rex.....	43753	112290	58520	8428	43254	23343	26680	68755	33413	31214	12084	102562	564296
Sole, rock.....	5255	16250	26070	12545	56425	46989	73222	47821	52002	50875	12564	8963	408981
Sole, sand.....	0	0	0	0	0	43	0	4	0	0	0	0	47
Sole, sand.....	316	1181	6310	25522	68634	35315	56448	82356	33120	38339	14921	8141	370603
Sturgeon, green.....													
Sturgeon, white.....	49	23	0	236	1736	365	276	368	229	248	78	10	3618
Surfperch.....	0	0	0	0	2444	90	32	189	149	0	0	0	2904
Tuna, albacore.....	0	0	0	0	0	0	0	0	75	0	0	0	75
Tuna, other.....	0	0	0	0	0	0	0	927948	483028	12547	0	0	1423523
Wolf-eel.....	0	0	0	14	88	1017	673	404	114	6	0	0	2316
Miscellaneous.....	0	0	0	310	200	0	0	255	0	0	0	0	765
CRUSTACEANS:													
Crab, Dungeness, Oc..	148319	89767	48949	21030	16120	17221	10747	8029	0	0	0	540016	900198
Shrimp, pink.....	0	0	0	1022739	3794941	2496615	1652773	1796073	1091882	960055	0	0	12815078
MOLLUSKS:													
Mussels, ocean.....	281	108	454	385	352	326	0	187	0	0	0	0	2093
Octopus.....	55	0	52	0	406	637	623	459	467	268	98	39	3104
TOTAL	971793	1366326	1492209	2309821	6496366	4633529	5238313	6272714	3899162	2148947	568779	1764006	37161965

1/ OCEAN LANDINGS ONLY; SEE TABLE 6 FOR COLUMBIA RIVER LANDINGS.
 2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

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TABLE 7A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SEASIDE/GEARHART, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	0	0	257	0	0	0	0	257
Rockfish, other spp..	0	0	0	0	0	0	0	356	0	0	0	0	356
Salmon, chinook.....	0	0	0	0	0	0	0	1607	0	0	0	0	1607
Salmon, coho.....	0	0	0	0	0	0	224	5351	0	0	0	0	5373
Salmon, pink.....	0	0	0	0	0	0	0	2	0	0	0	0	2
MOLLUSKS:													
Clams, razor.....	62	658	544	797	410	194	82	0	29	34	35	61	2906
TOTAL	62	658	544	797	410	194	306	55735	29	34	35	61	58865

TABLE 7B. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT CANNON BEACH, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	44	536	0	0	0	0	580
Salmon, chum.....	0	0	0	0	0	0	0	28	0	0	0	0	28
Salmon, coho.....	0	0	0	0	0	0	1465	4675	0	0	0	0	6140
TOTAL							1509	5239					6748

TABLE 8. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEHALEM BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	18	50	37	21	50	0	176
Shrimp, ghost (sand).	0	152	14	155	902	730	818	414	333	682	258	282	4740
MOLLUSKS:													
Clams, butter.....	0	0	0	0	64	107	21	0	0	0	0	0	192
Clams, cockle.....	0	0	170	38	110	86	444	121	0	0	4502	0	5471
Clams, littleneck.....	1056	653	2067	2174	2693	3429	4696	3237	2369	1637	806	65	24882
Mussels, ocean.....	0	0	0	0	75	0	0	0	0	66	0	0	141
TOTAL	1056	805	2251	2367	3844	4352	5997	3822	2739	2406	5616	347	35602

TABLE 9. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT TILLAMOOK BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	511	1781	2292
Flounder, arrowtooth.	4188	960	698	186	25	169	756	2729	565	1171	376	285	12136
Flounder, starry.....	0	0	76	0	0	0	184	639	1757	1077	0	0	3733
Halibut, Pacific.....	0	0	0	0	0	168	1802	76	0	0	0	0	2046
Lingcod.....	1479	60	3174	307	1492	911	2218	8140	3219	2591	818	958	25367
Pricklebck, monkeyface	0	0	0	0	0	0	27	0	0	0	0	0	27
Pac. Oc. Perch.....	10463	4244	8328	1988	0	3224	7107	3772	932	0	3089	1859	45006
Nominal POP.....	450	0	3062	4138	14	15804	2725	1397	563	1797	3994	4692	38636
Rockfish, widow.....	5083	245	12	0	960	0	218	0	66	0	0	0	6584
Rkfsh, Sebastobus..	3282	593	550	1048	0	1267	1694	1547	234	301	635	1108	12259
Rockfish, other spp..	15291	79	6292	13169	60209	31040	47356	29666	22058	20687	5030	4528	255405
Sablefish.....	6294	1833	1591	2041	7782	9913	14086	11851	9495	2336	1289	7259	75770
Salmon, chinook.....	0	0	0	0	1760	864	9008	36808	56255	12504	237	0	117436
Salmon, coho.....	0	0	0	0	0	0	143832	33527	0	0	0	0	177359
Sanddab, Pacific.....	0	25	0	0	0	0	0	0	0	13	0	0	38
Shark, soupfln.....	0	0	0	0	0	0	0	0	16	0	0	0	16
Skates and Rays.....	0	0	0	0	0	0	0	0	10	0	0	0	10
Sole, Dover.....	8257	1837	6817	9391	406	16695	38450	50848	20718	32284	10667	29812	226182
Sole, English.....	1526	874	787	117	23	0	1579	3667	3147	1609	1202	9306	23837
Sole, flathead.....	0	0	0	0	0	264	209	1288	44	320	0	219	2344
Sole, petrale.....	35531	10279	4749	403	8	31	222	10310	4804	1567	4388	19032	91324
Sole, rex.....	2330	801	2176	1053	0	2391	2234	953	194	478	173	1198	13983
Sole, sand.....	0	0	0	0	9	0	640	1555	2780	1379	55	0	6418
Sturgeon, white.....	0	0	0	0	0	0	0	0	21	0	0	0	21
Wolf-eel.....	0	0	0	0	0	20	0	6	0	0	0	0	26
CRUSTACEANS:													
Crab, Dungeness, Oc..	48386	41715	30318	19220	26449	19514	19192	7099	0	0	0	85004	296897
Shrimp, ghost (sand).	1341	1148	2055	3010	4058	3640	3433	4029	1664	1189	501	211	26279
Shrimp, mud.....	3927	2835	7742	4604	0	0	0	50	491	460	707	1908	22724
Shrimp, pink.....	0	0	0	423591	1263578	967741	604862	425581	377564	348665	0	0	4411562
MOLLUSKS:													
Clams, butter.....	342	0	0	100	180	125	255	0	0	0	0	0	1002
Clams, cockle.....	2065	4622	4834	3670	3465	1771	1830	1230	0	0	1900	410	25797
Clams, littleneck....	457	239	205	12	0	214	216	408	0	0	0	0	775
Clams, softshell.....	12	0	0	0	0	0	0	0	0	0	0	0	12
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0	49	155	204
Octopus.....	0	0	0	0	0	41	0	0	1	0	0	112	154
Squid.....	0	0	0	0	0	0	0	0	0	0	37	85	122
TOTAL	150704	72389	83466	488050	1370418	1075807	904135	637176	506598	430428	35658	170697	5925526

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TABLE 10. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NETARTS BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost (sand).	0	0	0	0	18	39	34	74	6	0	0	0	171
Shrimp, mud.....	2511	3714	7113	3640	185	289	80	366	40	623	798	1764	21123
MOLLUSKS:													
Clams, cockle.....	0	0	0	390	0	0	90	0	0	0	0	0	480
TOTAL	2511	3714	7113	4030	203	328	204	440	46	623	798	1764	21774

TABLE 11. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PACIFIC CITY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	32	65	31	236	334	206	113	0	0	94	1111
Halibut, Pacific.....	0	0	0	0	0	624	342	0	0	0	0	0	966
Lingcod.....	0	0	1110	2027	2247	3325	3352	3183	2308	542	0	924	19018
Rockfish, other spp..	0	0	1130	389	13398	20807	11250	20722	6784	1846	0	24	76350
Salmon, chinook.....	0	0	0	0	93	178	18256	687	493	69	0	0	19776
Salmon, chum.....	0	0	0	0	0	0	1921	0	0	0	0	0	1921
Salmon, coho.....	0	0	0	0	0	0	299442	4368	0	0	0	0	303810
Shark, other.....	0	0	0	0	0	0	36	0	0	0	0	0	36
Wolf-eel.....	0	0	0	0	0	24	102	34	0	0	0	0	160
CRUSTACEANS:													
Crab, Dungeness, Oc..	0	0	0	0	0	84	390	0	0	0	0	0	474
Shrimp, ghost (sand).	1271	698	1067	1908	2348	1154	1083	1287	2131	2355	1349	1419	18070
MOLLUSKS:													
Octopus.....	0	0	0	0	0	22	0	0	0	0	0	0	22
TOTAL	1271	698	3339	4389	18117	26454	336508	30487	11829	4812	1349	2461	441714

TABLE 12. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT SILETZ BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost (sand).	4	0	92	330	915	1401	1254	928	254	175	110	5	5468
TOTAL	4	0	92	330	915	1401	1254	928	254	175	110	5	5468

TABLE 13. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT DEPOE BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	229	160	1025	692	327	1021	418	538	551	285	142	551	5939
Flounder, arrowtooth.	0	0	0	1	0	18	0	19	6	0	0	0	44
Halibut, Pacific.....	0	0	0	0	0	2627	1288	0	0	0	0	0	3915
Lingcod.....	405	3292	2441	2300	1752	788	1181	1233	6747	1726	4625	4172	30662
Rockfish, Widow.....	0	6	0	0	0	0	54	0	0	0	0	0	60
Rockfish, Yellowtail.	0	0	0	0	0	5	4	0	0	0	0	0	9
Rkfish, Sebastolobus..	0	42	0	0	0	0	0	0	0	0	0	0	42
Rockfish, other spp..	170	1048	5606	11824	26864	17628	8031	19299	19707	6479	2917	742	120315
Sablefish.....	4940	17529	7332	25299	40804	40291	12386	14315	43261	31891	0	0	238048
Salmon, chinook.....	0	0	0	0	2940	10319	6700	2441	2741	196	0	0	25337
Salmon, chum.....	0	0	0	0	0	0	49	0	0	0	0	0	49
Salmon, coho.....	0	0	0	0	0	90	143189	1160	0	0	0	0	144439
Salmon, pink.....	0	0	0	0	0	0	3	0	0	0	0	0	3
Sole, Dover.....	0	0	0	0	0	74	0	3	73	0	0	0	150
Surfperch.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Tuna, albacore.....	0	0	0	0	0	0	0	0	3663	0	0	0	3663
Wolf-eel.....	0	48	114	104	72	40	4	0	0	0	0	24	406
Miscellaneous.....	0	0	0	0	0	0	2	0	0	0	0	0	2
CRUSTACEANS:													
Crab, Dungeness, Oc..	21848	15805	10542	1727	1570	916	348	0	0	0	0	24771	77527
MOLLUSKS:													
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	160	0	0	160
Octopus.....	0	184	66	0	0	0	0	0	0	0	0	288	538
TOTAL	27592	38114	27126	41947	74329	73821	173657	39008	76749	40737	7684	30548	651312

TABLE 14. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT NEWPORT, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	10	0	91	46	13	8	0	0	0	48	216
Cod, Pacific.....	0	0	0	0	240	74	174	0	287	317	50	0	1142
Flounder, arrowtooth.	2475	3607	31338	9014	17911	14092	21605	34956	12373	5473	1980	813	155637
Flounder, starry.....	0	137	391	845	17	46	2331	7034	2399	1957	551	0	15708
Hake, Pac. (Whiting).	0	1567	0	0	87550	10	106943	96117	0	122909	0	0	415096
Halibut, Pacific.....	0	0	0	0	0	132428	61921	0	0	0	0	0	194349
Herring, Pacific.....	0	124263	1748	0	92042	229	42	0	0	0	0	0	218324
Lingcod.....	15386	7596	13496	66347	72033	14370	26543	9606	28110	24657	14957	48107	341208
Mackerel.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Prickleback, monkeyface	0	0	10	0	0	0	0	0	0	40	0	0	58
Pac. Oc. Perch.....	44288	41495	37412	44164	30624	36484	33851	13092	15170	28646	22102	40877	388205
Nominal POP.....	199970	30663	110399	121253	28038	64118	121379	37100	22864	42928	67763	134492	980967
Rockfish, Widow.....	1515025	1150966	1151844	596160	191201	10585	6816	149930	377592	11630	11248	24700	5197706
Rockfish, Yellowtail.	30252	29350	27013	1033	20494	6737	8614	3474	6050	6404	0	15673	155094
Rkfish, Sebastolobus..	3991	10780	37468	30552	33326	28467	25010	20199	11484	10515	15637	50596	278025
Rockfish, other spp..	129780	218738	326953	177308	359826	192528	86401	117852	202856	176979	79060	189458	2257739
Sablefish.....	128918	227215	228713	162883	359431	322526	415249	435063	428015	288832	55355	114632	3166832
Salmon, chinook.....	0	0	0	0	116193	127456	286140	62090	63205	182946	0	0	838030
Salmon, chum.....	0	0	0	0	14	0	160	0	0	0	0	0	174
Salmon, coho.....	0	0	0	0	0	46	836550	36207	0	0	0	0	872803
Salmon, pink.....	0	0	0	0	0	0	7	0	0	0	0	0	7
Sanddab, Pacific.....	0	340	9849	7202	0	0	4712	2925	1454	2735	979	632	30828
Shark, soupfin.....	229	47	246	0	0	833	183	23	159	114	28	0	1862
Shark, spiny dogfish.	0	0	0	0	125	0	74	0	0	0	0	41	240
Shark, thresher.....	0	0	496	0	0	0	38176	101686	1030	0	0	0	141388
Shark, other.....	0	0	0	0	0	140	6	51	0	0	0	0	197
Skates and Rays.....	0	0	212	614	642	25	6	16	0	10	870	836	3231
Sole, butter.....	0	0	0	0	0	0	196	290	0	0	0	0	486
Sole, curifin(turbot)	0	0	0	0	0	0	0	0	782	301	0	0	1083
Sole, Dover.....	7546	23769	128067	71701	86759	44115	44484	61943	39268	39614	66431	205778	819475
Sole, English.....	252	2195	4602	4345	4483	788	18639	13415	24326	38900	4706	2570	119221
Sole, petrale.....	3132	11997	16017	5005	2858	260	37966	11763	43501	26750	4754	50199	214202
Sole, rex.....	1683	1138	5998	3456	8086	2403	2994	5171	4895	7692	4443	3450	51409
Sole, rock.....	0	0	0	0	0	0	1747	1695	281	51	0	0	3774
Sole, sand.....	0	147	317	1120	30	0	30400	23253	3069	4537	1499	1362	65734
Sturgeon, green.....	0	115	244	207	0	0	24	40	0	93	17	0	740
Sturgeon, white.....	0	0	0	0	0	0	52	0	0	0	0	0	52
Surfperch.....	0	0	3	0	171	651	1138	13	0	1	0	0	1977
Tuna, albacore.....	0	0	0	0	0	0	7141	257157	186884	9266	9760	0	470208
Wolf-eel.....	0	0	38	42	92	69	535	1025	214	348	16	99	2478
Miscellaneous.....	0	0	0	0	19	35	1	6	0	0	0	5	66
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	0	0	0	0	0	3060	3060
Crab, Dungeness, Bay.	0	0	0	0	0	189	0	0	28	2	1206	0	1502
Crab, Dungeness, Oc..	284367	139884	75501	20220	18987	29943	15886	5707	0	0	0	831384	1421879
Crab, rock.....	0	0	0	0	389	899	0	82	29	165	9	233	1806
Shrimp, ghost (sand).	0	0	0	0	0	0	0	0	2	0	0	0	2
Shrimp, pink.....	0	0	0	2056179	1690074	1138074	637795	514930	717147	1010370	0	0	7764569
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	6	0	0	0	0	0	0	0	6
Octopus.....	296	333	109	110	55	73	123	76	117	65	39	399	1795
Scallop, weathervane.	0	16019	89438	0	0	0	0	0	0	66	0	0	105523
Squid.....	0	0	38	123	26088	0	0	0	0	0	0	0	26249
TOTAL	2367590	2042361	2297970	3379883	3247895	2168739	2882031	2024004	2193591	2045313	363460	1719529	26732366

TABLE 15. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WALDPOR, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	113	474	1846	4570	1269	0	8272
Crab, Dungeness, Oc.	0	0	0	0	0	12	0	0	0	0	0	0	12
Shrimp, ghost (sand).	235	265	5	928	1232	1872	1468	1476	2209	2776	1620	1259	15345
Shrimp, mud.....	0	0	0	0	0	0	0	0	22	0	0	16	38
MOLLUSKS:													
Mussels, ocean.....	0	0	5	0	0	25	0	0	0	0	0	0	30
TOTAL	235	265	10	928	1232	1909	1581	1950	4077	7346	2889	1275	23697

TABLE 16. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT FLORENCE, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	0	0	0	10	0	0	0	0	10
Hake, Pac. (Whiting).	0	0	0	0	0	0	51	4873	40	604	0	0	5568
Hallbut, Pacific.....	0	0	0	0	0	589	154	0	0	0	0	0	743
Lingcod.....	0	0	0	0	0	76	118	1966	99	142	0	0	2401
Rockfish, other spp.	0	0	0	0	0	91	254	11326	2395	1028	0	0	15092
Sablefish.....	0	0	0	1557	28533	120146	152603	62071	108130	16276	0	0	489316
Salmon, chinook.....	0	0	0	0	29982	28625	99155	24728	1607	90	0	0	184187
Salmon, coho.....	0	0	0	0	0	0	53066	2880	0	0	0	0	55946
Sanddab, Pacific.....	0	0	0	0	0	0	0	21006	578	594	0	0	22178
Shad, American.....	0	0	0	0	5681	6606	164	0	0	0	0	0	12451
Sole, Dover.....	0	0	0	0	0	0	0	3186	206	5790	0	0	9182
Sole, English.....	0	0	0	0	0	0	0	3928	284	309	0	0	4521
Sole, petrale.....	0	0	0	0	0	0	0	1753	254	223	0	0	2250
Sole, rex.....	0	0	0	0	0	0	0	65	0	0	0	0	65
Sole, sand.....	0	0	0	0	0	0	0	936	0	0	0	0	936
Tuna, albacore.....	0	0	0	0	0	0	0	7141	0	0	0	0	7141
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	0	205	0	0	0	205
Crab, Dungeness, Oc.	9301	6827	4851	2447	3737	2455	4996	1956	0	0	0	66837	103407
Shrimp, ghost (sand).	0	0	82	141	331	932	332	294	129	21	42	57	2361
MOLLUSKS:													
Clams, softshell.....	0	6	280	480	200	0	0	0	240	0	0	0	1206
Mussels, ocean.....	0	0	0	14	0	0	500	0	0	0	0	0	514
TOTAL	9301	6833	5213	4639	68464	159520	311393	148119	114165	25077	42	66894	919660

TABLE 17. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT WINCHESTER BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, arrowtooth.	0	0	0	0	0	0	0	0	486	1404	450	0	2340
Hake, Pac. (Whiting).	0	0	0	0	0	0	0	0	0	870	123	0	993
Hallbut, Pacific.....	0	0	0	0	16	3010	8136	0	0	0	0	0	11162
Herring, Pacific.....	0	0	0	0	130	0	1846	0	0	0	0	0	1976
Lingcod.....	0	0	0	0	95	64	221	35	514	430	657	0	2016
Prickleback, monkeyface	0	0	0	0	0	0	0	0	0	56	32	0	88
Nominal POP.....	0	0	0	0	0	0	0	0	1746	3022	224	0	4992
Rockfish, Widow.....	0	0	0	0	0	0	0	0	174	0	0	0	174
Rkfsh, Sebastolobus..	0	0	0	0	0	0	178	44	0	710	124	0	1056
Rockfish, other spp..	0	0	0	0	242	1340	477	493	2896	242	850	0	6540
Sablefish.....	0	0	0	0	12131	87107	176016	68113	149050	99648	202	0	592267
Salmon, chinook.....	0	0	0	0	63495	81401	59109	52001	7481	325	0	0	263812
Salmon, coho.....	0	0	0	0	0	45	45880	0	0	0	0	0	45925
Sanddab, Pacific.....	0	0	0	0	0	0	2	0	0	0	185	0	187
Shad, American.....	0	0	0	0	12007	10013	0	0	0	0	0	0	22020
Skates and Rays.....	0	0	0	0	0	0	0	0	1543	664	420	0	2627
Smelt.....	0	0	0	0	40	0	0	0	0	0	0	0	40
Sole, Dover.....	0	0	0	0	0	0	0	0	5778	22914	13793	0	42485
Sole, English.....	0	0	0	0	0	0	0	0	218	92	0	0	310
Sole, petrale.....	0	0	0	0	0	0	0	0	0	634	810	0	1464
Sole, rex.....	0	0	0	0	0	0	0	0	0	2412	460	0	2872
Tuna, albacore.....	0	0	0	0	0	0	5636	39168	17625	946	0	0	63375
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	105	4391	2320	1945	0	8761
Crab, Dungeness, Oc..	76523	34278	28265	9012	10120	13444	10843	13648	0	0	0	260650	456783
Shrimp, ghost (sand).	0	0	0	0	480	0	0	0	60	0	0	0	540
Shrimp, pink.....	0	0	0	0	0	924	0	0	0	5372	0	0	6296
MOLLUSKS:													
Mussels, ocean.....	1848	3307	5527	3007	2350	2220	870	1090	2188	2230	4825	4252	33714
TOTAL	78371	37585	33792	12019	101106	199568	309214	174697	194150	144311	25100	264902	1574815

TABLE 18. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT COOS BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	6	264	353	215	106	45	42	1031
Flounder, arrowtooth:	1422	1881	3650	4918	17296	8680	7022	6527	889	1625	1642	991	5147
Flounder, starry.....	0	0	16	0	4186	1507	2236	1313	254	4056	1188	1479	58376
Hake, Pac. (Whiting).	0	0	0	163825	223982	0	0	0	2607	300	0	43	12208
Hallbut, Pacific.....	0	0	0	0	0	32763	18888	0	0	0	0	0	51651
Lingcod.....	3407	2857	16095	13504	25035	65223	38688	25760	27229	60217	36301	17168	331484
Pricklebck, monkeyface	0	0	0	0	0	0	0	18	19	102	130	0	269
Pac. Oc. perch.....	16118	26512	32989	26119	1711	12326	1916	6418	4016	5737	3960	7054	144876
Nominal POP.....	45121	43319	110227	37979	105629	84992	59293	26532	35655	66340	51997	35775	702859
Rockfish, Widow.....	217831	73295	227573	105530	19902	5848	5	35285	9961	18217	11847	4474	729768
Rockfish, Yellowtail.	61358	91363	53145	27250	28615	12425	5940	3520	7345	81817	164140	60072	596990
Rkfsh, Sebastolobus..	92679	75246	104358	26011	43375	56604	33186	21731	12597	61303	59405	90438	676933
Rockfish, other spp..	118050	69572	230728	100638	129005	154897	112162	119489	178477	194991	231736	104343	1744088
Sablefish.....	191080	183328	266027	80996	188436	204575	353000	257571	94024	158230	177920	296061	2451248
Salmon, chinook.....	0	0	0	0	94774	128170	653563	671573	121974	10544	302	0	1680900
Salmon, coho.....	0	0	0	0	0	4174	324184	344	0	0	0	0	328702
Sanddab, Pacific.....	0	211	1799	703	941	6536	37210	20946	25703	506	194	2094	96843
Shark, soupfin.....	116	0	10	0	40	669	6	93	0	0	199	84	1217
Shark, spiny dogfish.	0	0	0	0	0	0	95	15	0	0	13	0	123
Shark, thresher.....	0	0	0	138	0	0	0	28216	0	0	0	0	28354
Shark, other.....	0	0	0	0	0	354	189	0	0	0	0	0	543
Skates and Rays.....	106	377	958	120	3371	1525	1957	1419	1684	977	1251	98	13843
Sole, butter.....	0	0	0	0	67	178	229	247	0	0	0	74	548
Sole, curifin(turbot)	0	0	0	0	215	0	3086	247	0	0	0	121	3669
Sole, Dover.....	266006	331384	610402	164280	226809	228940	234650	358014	244901	764992	572410	849112	4851900
Sole, English.....	7070	7486	17083	6365	12353	14215	11991	11181	21181	19323	9249	25549	163046
Sole, petrale.....	138682	66950	53858	4887	5660	9862	11172	6282	5038	16340	70544	290732	680007
Sole, rex.....	11672	6921	8614	546	14571	20849	12818	3831	6450	13913	8488	15299	123972
Sole, rock.....	0	0	0	0	0	0	8633	408	0	0	0	0	9041
Sole, sand.....	0	0	60	0	5741	6953	29952	13969	6288	608	0	23415	86986
Sturgeon, green.....	0	0	0	111	1091	441	70	0	0	0	0	132	1845
Sturgeon, white.....	0	0	0	0	244	0	147	0	0	0	0	0	391
Tuna, albacore.....	0	0	0	0	0	0	52319	289533	52484	34575	0	0	428911
Wolf-eel.....	0	0	7	0	60	52	184	0	21	70	0	0	394
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	59	1494	3380	3674	998	9605
Crab, Dungeness, Oc..	83433	56892	38006	9897	14553	13998	7734	3972	0	0	0	286313	514798
Shrimp, ghost (sand)..	0	11	5	132	560	310	286	186	156	285	381	80	2392
Shrimp, mud.....	0	0	0	0	938	686	816	894	1143	1425	1821	1624	9347
Shrimp, pink.....	0	0	0	1714661	1251136	1109473	971895	625786	1211809	461726	0	0	7346486
MOLLUSKS:													
Clams, butter.....	0	93	759	294	69	126	168	22	12	0	25	100	1668
Clams, cockle.....	0	0	307	242	376	0	18	0	0	0	0	0	943
Clams, gaper.....	0	0	0	0	0	0	2859	1551	2707	5164	1959	2279	16519
Clams, littleneck....	0	0	55	30	34	10	24	2	0	0	10	0	165
Clams, softshell.....	0	0	0	190	72	0	0	0	0	0	0	0	262
Mussels, ocean.....	0	0	12	18	570	38	0	0	0	0	0	0	638
Octopus.....	24	0	0	0	60	0	71	4	0	0	0	0	159
TOTAL	1254175	1037698	1776743	2489384	2421477	2187405	2998929	2543064	2077333	1988603	1410831	2116044	24301686

TABLE 19. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BANDON, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hake, Pac. (Whiting).....	0	0	0	0	0	0	0	349	0	0	0	0	349
Halibut, Pacific.....	0	0	0	0	0	158	113	0	0	0	0	0	271
Lingcod.....	0	0	0	0	22	101	75	20	35	0	0	0	253
Rockfish, other spp..	0	0	0	0	282	2968	4184	6093	4076	55	0	0	17658
Sablefish.....	0	0	0	0	0	19683	424	9318	0	0	0	0	29425
Salmon, chinook.....	0	0	0	0	689	11802	59716	60478	26996	395	0	0	160076
Salmon, coho.....	0	0	0	0	0	1325	19698	0	0	0	0	0	21023
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	0	0	0	28200	0	0	0	0	0	28200
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	758	795	525	0	0	0	0	2078
TOTAL					993	36795	113205	76783	31107	450			259333

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT PORT ORFORD, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	152	205	0	0	147	114	555	1057	436	2666
Flounder, arrowtooth.....	0	0	0	0	0	0	11	0	0	0	0	0	11
Halibut, Pacific.....	0	0	0	0	0	18546	17715	0	0	0	0	0	36261
Lingcod.....	1790	1823	12692	2616	2190	4943	1969	3375	15104	10914	8351	3926	69693
Nominal POP.....	0	0	0	16	0	0	0	0	0	0	0	0	16
Rockfish, Widow.....	0	0	0	0	0	0	0	267	0	0	0	0	267
Rockfish, other spp..	3405	3612	28213	13464	12203	16061	17024	13962	24638	12096	9256	5424	159358
Sablefish.....	0	0	18557	76689	92353	140680	138010	192794	89671	83021	0	0	831775
Salmon, chinook.....	0	0	0	0	657	7296	67907	36145	20017	15368	11121	0	158511
Salmon, coho.....	0	0	0	0	0	2528	33033	0	0	0	0	0	35561
Shark, soupfin.....	106	61	0	0	0	0	0	0	17	0	178	58	420
Shark, other.....	0	0	0	0	0	18	0	0	0	0	0	59	77
Skates and Rays.....	0	56	0	0	0	0	0	0	0	0	151	0	207
Wolf-eel.....	0	0	0	207	303	511	61	28	10	53	37	68	1278
CRUSTACEANS:													
Crab, Dungeness, Oc..	21877	15933	13339	1141	7071	4749	1803	1674	0	0	0	67223	134810
Shrimp, pink.....	0	0	0	0	11415	22335	25126	17718	16335	0	0	0	92929
MOLLUSKS:													
Octopus.....	118	0	141	93	16	0	0	0	0	52	0	300	720
OTHER INVERTEBRATES:													
Sea urchin.....	0	0	0	0	0	17316	2741	12034	3163	7533	11157	1876	55820
TOTAL	27296	21485	72942	94378	126413	234983	305400	278144	169069	129592	41308	79370	1580380

TABLE 21. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT GOLD BEACH, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	57	667	1286	1039	929	601	1072	0	5651
Nominal POP.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Rockfish, other spp..	0	0	0	0	2124	6086	6136	2123	2861	158	785	43	20316
Sablefish.....	0	0	0	0	0	14999	12173	1391	0	0	0	0	26563
Salmon, chinook.....	0	0	0	0	60	3728	4747	26992	349	340	21	0	36237
Salmon, coho.....	0	0	0	0	0	1804	2129	0	0	0	0	0	3933
Shark, other.....	0	0	0	0	0	0	0	55	0	0	0	0	55
Tuna, albacore.....	0	0	0	0	0	0	0	0	8	0	0	0	8
Wolf-eel.....	0	0	0	0	0	6	0	0	0	0	0	0	6
CRUSTACEANS:													
Crab, Dungeness, Oc..	0	0	0	0	0	0	0	274	0	0	0	0	274
TOTAL					2241	27290	26471	31880	4147	1099	1878	43	95049

TABLE 22. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH AT BROOKINGS, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	95	0	95
Flounder, arrowtooth.	6	160	1900	170	1853	220	965	1109	375	1372	1170	1727	11027
Flounder, starry.....	0	0	0	0	25	2	0	0	0	105	25	0	157
Hake, Pac. (Whiting).	0	0	0	0	0	0	0	1361	0	0	0	0	1361
Halibut, Pacific.....	0	0	0	0	0	4349	1276	0	0	0	0	0	5625
Lingcod.....	992	948	4759	720	11892	26301	1202	16353	4696	3141	4957	347	76308
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	0	120	0	120
Nominal POP.....	956	1105	2305	489	8437	10177	273	4286	699	1493	4374	2516	37110
Rockfish, Widow.....	19135	5965	32555	105345	108360	102700	67980	103275	47690	860	280	2	594147
Rockfish, Yellowtail.	8525	1940	0	65	5050	4815	2205	1221	0	2235	115	0	26171
Rkfish, Sebastolobus..	12484	9890	62152	3719	6580	5295	2590	3076	4221	14488	15500	21042	161037
Rockfish, other spp..	3503	3945	10759	7093	30355	26788	14781	39261	15608	13380	10810	1201	177484
Sablefish.....	13535	23240	68554	13896	63659	50659	81630	89848	43109	65570	46847	30975	591522
Salmon, chinook.....	0	0	0	0	35351	125309	49129	106469	4655	131	0	0	321044
Salmon, coho.....	0	0	0	0	0	50060	26159	0	0	0	0	0	76219
Sanddab, Pacific.....	0	135	270	1460	191	0	0	0	0	142	45	0	2243
Shark, soupfin.....	0	0	0	0	22	20	0	20	0	0	55	0	117
Shark, other.....	0	0	0	0	0	0	23	0	0	0	0	0	23
Skates and Rays.....	0	0	0	0	25	204	39	1389	0	0	0	0	1657
Smelt.....	462	5534	6652	14987	243	0	0	0	0	0	0	0	27878
Sole, Dover.....	31160	30854	227079	21885	85631	8726	10630	54121	24784	66977	143155	64416	769418
Sole, English.....	60	1810	5098	5085	6130	35	65	2967	1208	3158	4254	55	29923
Sole, petrale.....	1198	824	1640	323	895	88	41	714	155	1342	3980	3651	14851
Sole, rex.....	1411	2755	4226	1478	7145	757	1390	683	195	1984	3958	2682	28664
Sole, sand.....	0	130	150	0	111	0	0	0	0	800	45	0	1256
Surfperch.....	0	0	470	1798	16	0	11	0	0	0	18	0	2313
Tuna, albacore.....	0	0	0	0	0	0	0	59946	0	3154	1075	0	64175
CRUSTACEANS:													
Crab, Dungeness, Oc..	35131	9398	8580	7151	3950	6361	584	497	0	0	0	653440	725092
Shrimp, pink.....	0	0	0	26458	56242	318092	214218	460016	102129	241282	0	0	1418437
MOLLUSKS:													
Octopus.....	704	60	165	0	72	97	134	95	34	160	0	1527	3048
TOTAL	129262	98693	437314	212120	432235	741055	475325	946707	249558	421774	240878	783581	5168502

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1986

SPECIES	OCEAN TROLL	TUNA SEINE	TUNA BAITROAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	SMELT TRAWL
FISH:										
Cabezon.....	362	0	0	0	0	0	0	0	0	0
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0
Flounder, arrowtooth.....	8	0	0	0	0	0	0	0	0	0
Flounder, starry.....	17	0	0	0	0	515	0	0	0	0
Hake, Pac. (Whiting).....	1525	0	0	0	0	0	0	0	0	0
Halibut, Pacific.....	6778	0	0	0	0	0	0	0	0	0
Herring, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0
Lingcod.....	107548	0	0	0	0	0	0	0	0	0
Mackerel.....	4	0	0	0	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	0	0	0
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0
Prickleback, monkeyface.....	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.....	266	0	0	0	0	0	0	0	0	0
Rockfish, Yellowtail.....	1101	0	0	0	0	0	0	0	0	0
Rkfish, Sebastolobus..	0	0	0	0	0	0	0	0	0	0
Rockfish, other spp..	156441	0	0	0	0	0	0	0	0	0
Sablefish.....	43	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	3875924	0	0	0	0	1622545	962466	0	16264	0
Salmon, chum.....	2172	0	0	0	0	6115	0	0	0	0
Salmon, coho.....	2190565	0	0	0	0	4698189	24282	0	23449	0
Salmon, pink.....	12	0	0	0	0	0	0	0	0	0
Salmon, sockeye.....	0	0	0	0	0	3677	10566	0	68	0
Sanddab, Pacific.....	3	0	0	0	0	0	0	0	0	0
Shad, American.....	0	0	0	18003	16468	308542	141	0	0	0
Shark, soupfin.....	21	0	0	0	0	0	0	0	0	0
Shark, spiny dogfish.....	4	0	0	0	0	0	0	0	0	0
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0
Shark, other.....	129	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	0	4035	0	0	4683	0
Sole, butter.....	0	0	0	0	0	0	0	0	0	0
Sole, curifin(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.....	12	0	0	0	0	0	0	0	0	0
Sole, rex.....	0	0	0	0	0	0	0	0	0	0
Sole, rock.....	0	0	0	0	0	0	0	0	0	0
Sole, sand.....	0	0	0	0	0	0	0	0	0	0
Steelhead.....	0	0	0	0	0	0	338659	0	21995	0
Sturgeon, green.....	0	0	0	0	0	81620	0	0	0	0
Sturgeon, white.....	0	0	0	0	0	222354	180711	79155	0	0
Surfperch.....	0	0	0	0	0	0	0	0	0	0
Tuna, albacore.....	1638934	0	822070	0	0	0	0	0	0	0
Tuna, other.....	364	0	0	0	0	0	0	0	0	0
Wolf-eel.....	66	0	0	0	0	0	0	0	0	0
Miscellaneous.....	2	0	0	0	0	588	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
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 (sand).....	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

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1986 (CONTINUED)

SPECIES	OCEAN TROLL	TUNA SEINE	TUNA BAITBOAT	COASTAL GILLNET	COASTAL SETNET	COL. R. GILLNET	COL. R. SETNET	COL. R. SETLINE	COL. R. DIPNET	SMELT TRAWL
Clams, cockle.....	0	0	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0	0	0
Clams, littleneck....	0	0	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	0
Octopus.....	22	0	0	0	0	0	0	0	0	0
Scallop, 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 urchin.....	0	0	0	0	0	0	0	0	0	0
TOTAL	7982357	0	822070	18003	16468	6948180	1516825	79155	66459	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1986 (CONTINUED)

SPECIES	FISH POT	FISH JIG	LONGLINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
FISH:								
Cabezon.....	0	5377	3628	220	0	0	0	0
Cod, Pacific.....	0	0	1008	57730	0	9051	0	0
Flounder, arrowtooth.....	85	0	8500	1054704	0	44216	0	0
Flounder, starry.....	0	50	9	214680	0	597	0	0
Hake, Pac. (Whiting).....	0	0	0	117164	805633	2359	0	0
Hallbut, Pacific.....	0	431	1306565	0	0	0	0	0
Herring, Pacific.....	0	118	0	0	0	0	0	0
Lamprey, Pacific.....	0	0	0	0	0	0	0	0
Lingcod.....	1209	80271	78451	1074825	1033	100020	0	0
Mackerel.....	0	0	0	0	0	0	0	0
Opah.....	0	0	0	0	0	0	0	89
Pollock, walleye.....	0	0	0	0	0	1523	0	0
Prickleback, monkeyface.....	0	0	0	438	0	49	0	0
Pac. Oc. Perch.....	1878	0	849	1357337	9274	15711	0	0
Nominal POP.....	0	16	4261	2045672	32387	11212	0	0
Rockfish, Widow.....	1051	0	1406	2555666	6865971	11035	0	0
Rockfish, Yellowtail.....	0	182	19778	3125077	313210	208534	0	0
Rkfsh, Sebastolobus..	54	0	2863	1394956	0	1397	0	0
Rockfish, other spp..	23811	343027	572504	5306380	97356	1412381	0	0
Sablefish.....	3139389	0	2378108	4682487	4	61758	0	0
Salmon, chinook.....	0	12	0	0	0	0	0	0
Salmon, chum.....	0	0	0	0	0	0	0	0
Salmon, coho.....	0	0	0	0	0	0	0	0
Salmon, pink.....	0	0	0	0	0	0	0	0
Salmon, sockeye.....	0	0	0	0	0	0	0	0
Sanddab, Pacific.....	0	0	0	320730	0	362	0	0
Shad, American.....	0	0	0	0	0	0	0	0
Shark, soupfin.....	0	17	2042	4074	97	654	0	256
Shark, spiny dogfish.....	0	5	290	28	0	0	0	0
Shark, thresher.....	0	0	0	1718	616	138	0	932628
Shark, other.....	0	0	751	86	0	120	0	247
Skates and Rays.....	0	37	2932	19237	0	553	0	0
Smelt.....	0	98	0	0	0	170	0	0
Sole, butter.....	0	0	0	1034	0	0	0	0
Sole, curifin(turbot).....	0	0	0	4752	0	0	0	0
Sole, Dover.....	223	0	37	10519808	0	103884	0	0
Sole, English.....	0	0	0	1218886	0	2243	0	0
Sole, flathead.....	0	0	0	4967	0	589	0	0
Sole, petrale.....	0	0	430	1564068	0	3864	0	0
Sole, rex.....	0	0	0	628059	0	1887	0	0
Sole, rock.....	0	0	0	12862	0	0	0	0
Sole, sand.....	0	0	0	531882	0	31	0	0
Steelhead.....	0	0	0	0	0	0	0	0
Sturgeon, green.....	0	0	0	6203	0	0	0	0
Sturgeon, white.....	0	0	0	3368	0	0	0	0
Surfperch.....	0	4240	0	75	0	0	0	0
Tuna, albacore.....	0	0	0	0	0	0	0	0
Tuna, other.....	0	0	0	0	0	0	0	0
Wolf-eel.....	0	175	412	4533	0	75	0	0
Miscellaneous.....	0	59	2	0	0	0	0	255
CRUSTACEANS:								
Crab, box.....	0	0	0	0	0	0	0	0
Crab, Dungeness, Bay.....	0	0	0	0	0	0	0	0
Crab, Dungeness, Oc..	0	0	0	0	0	0	0	0
Crab, rock.....	0	0	0	0	0	0	0	0
Crayfish.....	0	0	0	0	0	0	0	0
Shrimp, brine.....	0	0	0	0	0	0	0	0
Shrimp, ghost (sand).....	0	0	0	0	0	0	0	0
Shrimp, mud.....	0	0	0	0	0	0	0	0
Shrimp, pink.....	0	0	0	0	0	33883577	0	0
MOLLUSKS:								
Clams, butter.....	0	0	0	0	0	0	0	0

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1986 (CONTINUED)

SPECIES	FISH POT	FISH JIG	LOGLINE	GROUND FISH TRAWL	MIDWATER TRAWL	SHRIMP TRAWL	SQUID NET	OCEAN GILLNET
Clams, cockle.....	0	0	0	0	0	0	0	0
Clams, gaper.....	0	0	0	0	0	0	0	0
Clams, littleneck....	0	0	0	0	0	0	0	0
Clams, razor.....	0	0	0	0	0	0	0	0
Clams, softshell.....	0	0	0	0	0	0	0	0
Mussels, ocean.....	0	0	0	0	0	0	0	0
Mussels, freshwater..	0	0	0	0	0	0	0	0
Octopus.....	10	245	139	3341	0	779	0	0
Scallop, weather vane.	0	0	0	0	0	0	0	0
Squid.....	0	0	0	160	0	123	26088	0
OTHER INVERTEBRATES:								
Sea urchin.....	0	0	0	0	0	0	0	0
TOTAL	3167710	434360	4384765	37837187	8125581	35878892	26088	933475

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1986 (CONTINUED)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR RAKE	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BATTFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
FISH:											
Cabezon.....	1376	0	0	0	0	0	0	0	0	0	10963
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	67789
Flounder, arrowtooth.....	1	0	0	0	0	0	0	0	0	0	110739
Flounder, starry.....	0	0	0	0	0	0	0	0	1	0	215869
Hake, Pac. (Whiting).....	0	0	0	0	0	0	0	0	0	0	926681
Hallbut, Pacific.....	0	0	0	0	0	0	0	0	0	0	1313774
Herring, Pacific.....	0	0	0	0	0	0	0	0	220182	0	220300
Lampry, Pacific.....	0	0	0	0	0	4740	0	0	0	0	4740
Lingcod.....	964	0	0	0	0	0	0	0	0	0	1444321
Mackerel.....	0	0	0	0	0	0	0	0	0	0	4
Opah.....	0	0	0	0	0	0	0	0	0	0	89
Pollock, walleye.....	0	0	0	0	0	0	0	0	0	0	1523
Prickleback, monkeyface.....	0	0	0	0	0	0	0	0	0	0	487
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	0	1385049
Nominal POP.....	0	0	0	0	0	0	0	0	0	0	2093582
Rockfish, Widow.....	0	0	0	0	0	0	0	0	0	0	9435395
Rockfish, Yellowtail.....	18	0	0	0	0	0	0	0	0	0	3667900
Rkfish, Sebastolobus..	0	0	0	0	0	0	0	0	0	0	1399250
Rockfish, other spp..	803	0	0	0	0	0	0	0	0	0	7912703
Sablefish.....	0	0	0	0	0	0	0	0	0	0	10261789
Salmon, chinook.....	0	0	0	0	0	0	0	0	0	0	6477211
Salmon, chum.....	0	0	0	0	0	0	0	0	0	0	8287
Salmon, coho.....	0	0	0	0	0	0	0	0	0	0	6936485
Salmon, pink.....	0	0	0	0	0	0	0	0	0	0	12
Salmon, sockeye.....	0	0	0	0	0	0	0	0	0	0	14311
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	321095
Shad, American.....	0	0	0	0	0	0	0	0	0	0	343154
Shark, soupfin.....	0	0	0	0	0	0	0	0	0	0	7161
Shark, spiny dogfish.....	36	0	0	0	0	0	0	0	0	0	363
Shark, thresher.....	0	0	0	0	0	0	0	0	0	0	935100
Shark, other.....	0	0	0	0	0	0	0	0	0	0	1333
Skates and Rays.....	8	0	0	0	0	0	0	0	0	0	22767
Smelt.....	0	0	0	0	0	0	0	0	27650	0	36636
Sole, butter.....	0	0	0	0	0	0	0	0	0	0	1034
Sole, curfin(turbot)	0	0	0	0	0	0	0	0	0	0	4752
Sole, Dover.....	0	0	0	0	0	0	0	0	0	0	10623952
Sole, English.....	1	0	0	0	0	0	0	0	0	0	1221130
Sole, flathead.....	0	0	0	0	0	0	0	0	0	0	5556
Sole, petrale.....	0	0	0	0	0	0	0	0	0	0	1568374
Sole, rex.....	0	0	0	0	0	0	0	0	0	0	629946
Sole, rock.....	0	0	0	0	0	0	0	0	0	0	12862
Sole, sand.....	0	0	0	0	0	0	0	0	0	0	531913
Steelhead.....	0	0	0	0	0	0	0	0	0	0	360654
Sturgeon, green.....	0	0	0	0	0	0	0	0	0	0	87823
Sturgeon, white.....	0	0	0	0	0	0	0	0	0	0	485588
Surfperch.....	0	0	0	0	0	0	0	0	54	0	4369
Tuna, albacore.....	0	0	0	0	0	0	0	0	0	0	2461004
Tuna, other.....	0	0	0	0	0	0	0	0	0	0	364
Wolf-eel.....	1803	0	0	0	0	0	0	0	0	0	7064
Miscellaneous.....	5	0	0	0	0	510	0	0	0	0	1421
CRUSTACEANS:											
Crab, box.....	3060	0	0	0	0	0	0	0	0	0	3060
Crab, Dungeness, Bay.....	0	28521	0	0	0	0	0	0	0	0	28521
Crab, Dungeness, Oc..	4632151	0	0	0	0	0	0	0	0	0	4632151
Crab, rock.....	4	1239	0	0	0	563	0	0	0	0	1806
Crayfish.....	0	0	0	0	0	0	0	0	0	217829	217829
Shrimp, brine.....	0	0	0	0	0	0	0	0	22400	0	22400
Shrimp, ghost (sand).....	0	0	0	0	0	0	75368	0	0	0	75368
Shrimp, mud.....	0	0	0	0	0	0	53232	0	0	0	53232
Shrimp, pink.....	0	0	0	0	0	0	0	0	0	0	33883577
MOLLUSKS:											
Clams, butter.....	0	0	1669	0	0	1193	0	0	0	0	2862

TABLE 23. COMMERCIAL FISH AND SHELLFISH LANDINGS (POUNDS ROUND) BY GEAR IN OREGON, 1986 (CONTINUED)

SPECIES	CRAB POT	CRAB RING	CLAM OR RAKE	SHOVEL OR JET	CLAM PUMP OR JET	HAND DEVICE	SCALLOP DREDGE	SANDSHRIMP PUMP	BATTFISH NET	CRAYFISH TRAP	TOTAL ALL GEARS
Clams, cockle.....	0	0	3491	0	29206	0	0	0	0	0	32697
Clams, gaper.....	0	0	455	0	16064	0	0	0	0	0	16519
Clams, littleneck....	0	0	5	0	27568	0	0	0	0	0	27573
Clams, razor.....	0	0	2906	0	0	0	0	0	0	0	2906
Clams, softshell.....	0	0	3558	0	0	0	0	0	0	0	3558
Mussels, ocean.....	0	0	0	0	37494	0	0	0	0	0	37494
Mussels, freshwater..	0	0	0	0	2378	0	0	0	0	0	2378
Octopus.....	5004	0	0	0	0	0	0	0	0	0	9540
Scallop, weathervane.	0	0	0	0	0	105523	0	0	0	0	105523
Squid.....	0	0	0	0	0	0	0	0	0	0	26371
OTHER INVERTEBRATES:											
Sea urchin.....	0	0	0	0	55820	0	0	0	0	0	55820
TOTAL	4645234	29760	12084	0	175536	105523	128600	270287	217829	113822428	

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OCEAN TROLL													
FISH:													
Cabezon.....	0	0	0	6	26	23	79	9	81	55	71	12	362
Flounder, arrowtooth.....	0	0	0	0	2	5	10	0	6	0	0	0	8
Flounder, starry.....	0	0	0	0	2	5	10	0	0	0	0	0	17
Hake, Pac. (Whiting).....	0	0	0	0	0	10	51	1464	0	0	0	0	1525
Halibut, Pacific.....	0	0	0	0	16	3500	3262	0	0	0	0	0	6778
Lingcod.....	265	2168	1521	1002	5123	6198	6430	4908	33414	32434	10100	3985	107548
Mackerel.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Nominal POP.....	0	0	0	0	0	0	28	6	0	0	0	0	34
Rockfish, Widow.....	0	6	0	0	0	2	5	69	0	184	0	0	266
Rockfish, Yellowtail.....	0	0	0	0	291	274	23	0	469	44	0	0	1101
Rockfish, other spp..	0	33	221	1240	19926	17637	34837	22385	33902	22361	3389	510	156441
Sablefish.....	0	0	0	0	0	0	43	0	0	0	0	0	43
Salmon, chinook.....	0	0	0	0	395062	525562	1320072	1089942	308863	224742	11681	0	3875924
Salmon, chum.....	0	0	0	0	14	0	2130	28	0	0	0	0	2172
Salmon, coho.....	0	0	0	0	0	60072	1930605	199888	0	0	0	0	2190565
Salmon, pink.....	0	0	0	0	0	0	10	2	0	0	0	0	12
Sanddab, Pacific.....	0	0	0	0	0	1	2	0	0	0	0	0	3
Shark, soupfin.....	0	0	0	0	0	0	21	0	0	0	0	0	21
Shark, spiny dogfish.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Shark, other.....	0	0	0	0	0	18	56	55	0	0	0	0	129
Sole, petrale.....	0	0	0	0	4	2	0	0	3	3	0	0	12
Tuna, albacore.....	0	0	0	0	0	0	65096	939320	563195	60488	10835	0	1638934
Tuna, other.....	0	0	0	0	0	0	0	253	94	17	0	0	364
Wolf-eel.....	0	0	0	0	10	4	52	0	0	0	0	0	66
Miscellaneous.....	0	0	0	0	0	0	2	0	0	0	0	0	2
MOLLUSKS:													
Octopus.....	0	0	0	0	0	22	0	0	0	0	0	0	22
TOTAL	265	2207	1742	2248	420474	613332	3362822	2258329	940027	340328	36076	4507	7982357
TUNA BAITBOAT													
FISH:													
Tuna, albacore.....	0	0	0	0	0	0	0	641573	180497	0	0	0	822070
TOTAL	0	0	0	0	0	0	0	641573	180497	0	0	0	822070
COASTAL GILLNET													
FISH:													
Shad, American.....	0	0	0	0	9591	8248	164	0	0	0	0	0	18003
TOTAL	0	0	0	0	9591	8248	164	0	0	0	0	0	18003
COASTAL SETNET													
FISH:													
Shad, American.....	0	0	0	0	8097	8371	0	0	0	0	0	0	16468
TOTAL	0	0	0	0	8097	8371	0	0	0	0	0	0	16468
COL. R. GILLNET													
FISH:													
Flounder, starry.....	0	0	167	0	0	0	0	139	205	4	0	0	515
Salmon, chinook.....	536	34365	75500	0	0	59	751	32163	1333742	141247	4182	0	1622545
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2962	3153	0	6115
Salmon, coho.....	0	0	0	0	0	0	0	1952	1721579	2244647	730011	0	4698189
Salmon, sockeye.....	0	0	0	0	0	3677	0	0	0	0	0	0	3677
Shad, American.....	0	0	0	0	61662	246880	0	0	0	0	0	0	308542
Smelt.....	3977	58	0	0	0	0	0	0	0	0	0	0	4035
Sturgeon, green.....	0	28	222	0	0	119	35735	38627	6095	623	171	0	81620
Sturgeon, white.....	10686	21509	13628	0	0	49	40448	64064	44570	21033	6367	0	222354
Miscellaneous.....	0	0	0	0	338	250	0	0	0	0	0	0	588
TOTAL	15199	55960	89517	0	62000	251034	76934	136945	3106191	2410516	743884	0	6948180
COL. R. SETNET													
FISH:													
Salmon, chinook.....	0	34	833	0	0	3532	0	92247	848322	17498	0	0	962466

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Salmon, coho.....	0	12	0	0	0	0	0	532	23575	163	0	0	24282
Salmon, sockeye.....	0	0	0	0	0	10566	0	0	0	0	0	0	10566
Shad, American.....	0	0	0	0	0	141	0	0	0	0	0	0	141
Steelhead.....	0	9929	14532	0	0	8356	0	57125	235338	13379	0	0	338659
Sturgeon, white.....	0	30802	25877	0	0	4045	0	35690	83378	919	0	0	180711
TOTAL	0	40777	41242	0	0	26640	0	185594	1190613	31959	0	0	1516825
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	0	2065	1991	12032	0	0	20644	16827	290	12783	6941	5582	79155
TOTAL	0	2065	1991	12032	0	0	20644	16827	290	12783	6941	5582	79155
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	23	0	1120	15031	90	0	0	16264
Salmon, coho.....	0	0	0	0	0	0	0	187	22597	665	0	0	23449
Salmon, sockeye.....	0	0	0	0	0	68	0	0	0	0	0	0	68
Smelt.....	583	3700	400	0	0	0	0	0	0	0	0	0	4683
Steelhead.....	0	0	0	0	0	1050	0	4621	16021	303	0	0	21995
TOTAL	583	3700	400	0	0	1141	0	5928	53649	1058	0	0	66459
<u>FISH POT</u>													
FISH:													
Flounder, arrowtooth.	0	6	42	0	0	18	0	19	0	0	0	0	85
Lingcod.....	0	100	0	32	0	129	156	646	100	46	0	0	1209
Pac. Oc. Perch.....	0	0	0	17	0	656	1205	0	0	0	0	0	1878
Rockfish, Widow.....	0	0	0	0	0	0	0	976	0	75	0	0	1051
Rkfsh, Sebastolobus..	0	42	0	0	0	0	12	0	0	0	0	0	54
Rockfish, other spp..	494	751	769	9425	42	231	1315	2169	5320	3295	0	0	23811
Sablefish.....	119463	203239	133779	124500	185006	458259	630807	442280	529033	313023	0	0	3139389
Sole, Dover.....	0	21	12	0	0	74	40	3	73	0	0	0	223
MOLLUSKS:													
Octopus.....	119957	204159	134602	133974	185048	459367	633535	446103	534526	316439	0	0	3167710
TOTAL	119957	204159	134602	133974	185048	459367	633535	446103	534526	316439	0	0	3167710
<u>FISH JIG</u>													
FISH:													
Cabezon.....	21	80	609	644	416	500	709	791	760	418	161	268	5377
Flounder, starry.....	0	0	0	0	4	43	0	0	0	2	1	0	50
Halibut, Pacific.....	0	0	0	0	0	301	130	0	0	0	0	0	431
Herring, Pacific.....	0	0	0	0	3	73	42	0	0	0	0	0	118
Lingcod.....	311	1862	6563	4580	5749	6158	6583	7883	16488	6201	8858	9035	80271
Nominal POP.....	0	0	0	16	0	0	0	0	0	0	0	0	16
Rockfish, Yellowtail.	0	0	0	0	0	0	4	0	178	0	0	0	182
Rockfish, other spp..	701	1386	25750	22715	65708	63978	29526	54157	49709	18894	6694	3809	343027
Salmon, chinook.....	0	0	0	0	0	0	0	12	0	0	0	0	12
Shark, soupfin.....	0	0	0	0	0	0	0	0	17	0	0	0	17
Shark, spiny dogfish.	0	0	0	0	0	0	0	0	0	0	0	5	5
Skates and Rays.....	0	0	0	0	9	25	0	3	0	0	0	0	37
Smelt.....	0	0	0	98	0	0	0	0	0	0	0	0	98
Surfperch.....	0	0	466	1776	162	655	1149	13	0	1	18	0	4240
Wolf-eel.....	0	0	0	12	0	47	64	34	10	8	0	0	175
Miscellaneous.....	0	0	0	0	19	35	1	4	0	0	0	0	59
MOLLUSKS:													
Octopus.....	1033	3328	33388	29841	72070	71825	38284	62932	67182	25589	15771	13117	434360
TOTAL	1033	3328	33388	29841	72070	71825	38284	62932	67182	25589	15771	13117	434360
<u>LONGLINE</u>													
FISH:													
Cabezon.....	0	0	0	152	205	782	4	452	152	473	1012	396	3628
Cod, Pacific.....	0	0	0	0	0	0	195	0	813	0	0	0	1008
Flounder, arrowtooth.	0	0	0	70	444	1608	1955	1620	2302	301	0	0	8300
Flounder, starry.....	0	0	0	0	0	0	5	4	0	0	0	0	9
Halibut, Pacific.....	0	0	0	0	310576	379604	384195	76	232114	0	0	0	1306565

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Lingcod.....	1896	2058	10580	2239	4340	10199	9980	5109	7883	8053	9916	6198	78451
Pac. Oc. Perch.....	0	0	0	151	68	50	160	379	41	0	0	0	849
Nominal POP.....	0	0	0	0	548	852	2330	385	146	0	0	0	4261
Rockfish, Widow.....	0	0	0	0	0	8	54	42	631	660	0	11	1406
Rockfish, Yellowtail..	2094	7061	7819	0	135	59	49	418	33	170	0	1940	19778
Rkfish, Sebastolobus..	0	0	261	5	0	252	662	535	860	288	0	0	2863
Rockfish, other spp..	7215	15927	31629	13881	56272	57232	93515	96784	122987	49942	14847	12272	572504
Sablefish.....	0	4960	46864	121193	216867	268116	542574	630510	353171	193853	0	0	2378108
Shark, soupfin.....	131	82	10	0	0	1010	366	135	0	72	178	58	2042
Shark, spiny dogfish..	0	0	0	0	125	0	165	0	0	0	0	0	290
Shark, other.....	0	0	0	0	0	494	198	0	0	0	0	59	751
Skates and Rays.....	0	56	0	0	21	641	155	999	909	0	151	0	2932
Sole, Dover.....	0	0	0	0	12	5	3	12	0	5	0	0	37
Sole, petrale.....	0	0	0	0	0	8	404	0	12	6	0	0	430
Wolf-eel.....	0	0	0	31	96	155	19	11	0	53	47	0	412
Miscellaneous.....	0	0	0	0	0	0	0	2	0	0	0	0	2
MOLLUSKS:													
Octopus.....	0	0	65	0	16	0	0	0	0	52	0	6	139
TOTAL	11336	30144	97228	137722	589725	721075	1036989	737473	722054	253928	26151	20940	4384765
<u>GROUND FISH OTTER TRAWL</u>													
FISH:													
Cabezon.....	0	0	10	0	0	0	210	0	0	0	0	0	220
Cod, Pacific.....	0	310	266	3575	9462	14617	8933	5361	3184	5868	2590	3564	57730
Flounder, arrowtooth..	21075	67947	69677	50617	153236	84270	173190	179192	122079	57467	43391	32563	1054704
Flounder, starry.....	173	504	2281	8781	24619	35627	52828	42801	27027	18418	1578	43	214680
Hake, Pac. (Whiting)..	0	1567	0	32707	16687	15464	28358	16230	40	5988	123	0	117164
Lingcod.....	27376	15163	54480	84683	129131	144422	136091	122760	138513	109595	47392	65219	1074825
Prickleback, monkeyface	0	0	10	0	0	0	27	18	55	158	162	8	438
Pac. Oc. Perch.....	96824	149912	131446	100863	149670	162223	165144	109180	83358	76043	50968	81706	1357337
Nominal POP.....	274267	102840	260765	169537	165905	230067	216448	100913	85949	123682	131426	183873	2045672
Rockfish, Widow.....	568597	566578	443693	138970	64393	81528	203773	204314	181787	45920	23945	32168	2555666
Rockfish, Yellowtail..	174487	265577	315900	101273	251079	310224	366164	272474	336577	283666	232263	215393	3125077
Rkfish, Sebastolobus..	123571	100286	233756	99279	134704	110337	89679	63960	45803	99909	112365	181287	1394936
Rockfish, other spp..	312180	374907	661464	357026	672856	510274	408122	361919	377657	410837	371973	487165	5306380
Sablefish.....	252167	291283	497215	201708	642261	430958	542087	448765	187442	303704	346528	538369	4682487
Sanddab, Pacific.....	117	4656	22773	22509	64953	17556	46475	60304	47481	24926	4244	4736	320730
Shark, soupfin.....	525	336	368	0	90	1121	772	24	169	94	310	265	4074
Shark, spiny dogfish..	0	0	0	0	0	0	0	15	0	0	13	0	28
Shark, thresher.....	0	0	496	0	0	0	1222	0	0	0	0	0	1718
Shark, other.....	0	0	86	0	0	0	0	0	0	0	0	0	86
Skates and Rays.....	106	1172	1350	823	4105	1088	1847	1822	1810	1641	2541	932	19237
Sole, butter.....	0	0	0	0	67	178	425	290	0	0	0	74	1034
Sole, curfin(turbot)	0	0	0	0	215	0	3086	247	782	301	0	121	4752
Sole, Dover.....	425888	644764	1408673	775332	786295	482355	781509	832354	590786	1100255	1020518	1671079	10519808
Sole, English.....	10842	19142	47121	43870	130534	93455	208903	269487	207390	118776	28461	40905	1218886
Sole, flathead.....	496	0	0	0	0	264	209	1754	822	1203	0	219	4967
Sole, petrale.....	222296	202340	134784	18166	52099	33051	75461	99200	86988	76947	96560	466176	1564068
Sole, rex.....	22351	27865	47084	18926	85694	73284	92497	58514	63100	77066	30086	31592	628059
Sole, rock.....	0	0	0	0	0	43	10380	2107	281	51	0	0	12862
Sole, sand.....	316	1458	6837	26642	74516	42268	117440	122069	45257	45641	16520	32918	531882
Sturgeon, green.....	49	138	244	554	2827	806	370	408	229	341	95	142	6203
Sturgeon, white.....	0	0	0	0	2688	90	231	189	170	0	0	0	3368
Surfperch.....	0	0	0	0	0	0	0	0	75	0	0	0	75
Wolf-eel.....	0	0	16	35	97	1017	1164	1421	324	367	6	86	4533
MOLLUSKS:													
Octopus.....	55	60	126	0	414	494	600	443	584	428	98	39	3341
Squid.....	0	0	38	0	0	0	0	0	0	0	37	85	160
TOTAL	2533758	2838805	4340959	2255876	3618597	2877081	3733645	3378535	2635719	2989292	2564193	4070727	37837187
<u>MIDWATER TRAWL</u>													
FISH:													
Hake, Pac. (Whiting)..	0	0	0	131118	298910	51464	104115	96117	1000	122909	0	0	805633

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Lingcod.....	42	4	0	0	70	887	30	0	0	0	0	0	1033
Pac. Oc. Perch.....	3274	0	0	0	0	0	0	0	6000	0	0	0	9274
Nominal POP.....	2585	232	160	0	0	0	11700	12006	5704	0	0	0	32587
Rockfish, Widow.....	1590867	1039239	1222363	815506	470743	249044	373879	522849	576831	2650	0	2000	6865971
Rockfish, Yellowtail..	659	5838	18842	25137	6238	16255	56044	68926	45963	0	23216	48092	313210
Rockfish, other spp..	10815	27628	0	9941	328	38	0	31172	16434	1000	0	0	97356
Sablefish.....	0	0	0	0	4	0	0	0	0	0	0	0	4
Shark, soupfin.....	32	30	0	0	0	0	15	20	0	0	0	0	97
Shark, thresher.....	0	0	0	0	0	0	0	616	0	0	0	0	616
TOTAL	1608274	1072971	1241365	979702	776293	317688	545783	731706	651932	126559	23216	50092	8125581
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	1290	1033	5365	1230	68	65	0	0	9051
Flounder, arrowtooth..	0	0	0	62	2197	2514	12151	13501	8730	5061	0	0	44216
Flounder, starry.....	0	0	0	0	0	0	587	10	0	0	0	0	597
Hake, Pac. (Whiting)..	0	0	0	0	510	0	118	1361	0	370	0	0	2359
Lingcod.....	0	0	0	10217	14197	15743	21302	20360	10687	7514	0	0	100020
Pollock, walleye.....	0	0	0	0	0	1523	0	0	0	0	0	0	1523
Prickleback, monkeyface	0	0	0	0	0	0	0	0	0	49	0	0	49
Pac. Oc. Perch.....	0	0	0	11	886	3344	6519	3782	1032	137	0	0	15711
Nominal POP.....	0	0	0	967	768	525	136	1750	6359	707	0	0	11212
Rockfish, Widow.....	0	0	0	7061	1324	501	433	326	1390	0	0	0	11035
Rockfish, Yellowtail..	0	0	0	27777	55904	45802	29467	16350	15469	17765	0	0	208534
Rkfish, Sebastolobus..	0	0	0	0	749	0	77	146	246	179	0	0	1397
Rockfish, other spp..	0	0	0	69159	277209	205665	209588	258816	180492	211452	0	0	1412381
Sablefish.....	0	0	0	1026	1766	4127	7818	24155	15771	7095	0	0	61758
Sanddab, Pacific.....	0	0	0	41	0	0	11	0	220	90	0	0	362
Shark, soupfin.....	0	0	0	0	40	82	131	192	127	82	0	0	654
Shark, thresher.....	0	0	0	138	0	0	0	0	0	0	0	0	138
Shark, other.....	0	0	0	0	0	0	0	120	0	0	0	0	120
Skates and Rays.....	0	0	0	0	25	0	0	0	518	10	0	0	553
Smelt.....	0	0	0	170	0	0	0	0	0	0	0	0	170
Sole, Dover.....	0	0	0	9545	15770	12731	13713	17162	13722	21241	0	0	103884
Sole, English.....	0	0	0	115	112	50	174	231	328	1233	0	0	2243
Sole, flathead.....	0	0	0	88	198	26	30	210	37	0	0	0	589
Sole, petrale.....	0	0	0	880	572	523	216	377	162	1134	0	0	3864
Sole, rex.....	0	0	0	154	533	105	161	10	636	288	0	0	1887
Sole, sand.....	0	0	0	0	9	0	0	0	0	22	0	0	31
Wolf-eel.....	0	0	0	0	26	0	0	0	0	49	0	0	75
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	5243628	8067386	6053254	4134869	3840104	3516866	3027470	0	0	33883577
MOLLUSKS:													
Octopus.....	0	0	0	0	124	281	228	146	0	0	0	0	779
Squid.....	0	0	0	123	0	0	0	0	0	0	0	0	123
TOTAL	0	0	0	5371162	8441595	6347829	4443094	4200339	3772860	3302013	0	0	35878892
SQUID NET													
MOLLUSKS:													
Squid.....	0	0	0	0	26088	0	0	0	0	0	0	0	26088
TOTAL	0	0	0	0	26088	0	0	0	0	0	0	0	26088
OCEAN GILLNET													
FISH:													
Opah.....	0	0	0	0	0	0	0	89	0	0	0	0	89
Shark, soupfin.....	0	0	0	0	0	0	0	256	0	0	0	0	256
Shark, thresher.....	0	0	0	0	0	0	190918	739082	2388	240	0	0	932628
Shark, other.....	0	0	0	0	0	0	84	163	0	0	0	0	247
Miscellaneous.....	0	0	0	0	0	0	0	255	0	0	0	0	255
TOTAL	0	0	0	0	0	0	191002	739845	2388	240	0	0	933475
CRAB POT													
FISH:													
Cabezon.....	208	80	448	107	7	4	27	0	0	0	0	495	1376

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Flounder, arrowtooth.	0	0	0	1	0	0	0	0	0	0	0	0	1
Lingcod.....	181	233	166	218	0	0	0	0	0	0	0	166	964
Rockfish, Yellowtail.	0	18	0	0	0	0	0	0	0	0	0	0	18
Rockfish, other spp..	10	290	151	148	15	12	67	0	0	0	0	110	803
Shark, spiny dogfish.	0	0	0	0	0	0	0	0	0	0	0	36	36
Skates and Rays.....	0	0	0	6	0	0	0	0	0	0	0	2	8
Sole, English.....	0	0	0	0	0	0	0	0	0	0	0	1	1
Wolf-eel.....	0	48	143	289	386	516	260	31	25	0	0	105	1803
Miscellaneous.....	0	0	0	0	0	0	0	0	0	0	0	5	5
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	0	0	0	0	0	3060	3060
Crab, Dungeness, Oc..	729185	410499	258351	91845	102557	108697	72523	42856	0	0	0	2815638	4632151
Crab, rock.....	0	0	0	0	0	0	0	0	0	0	0	4	4
MOLLUSKS:													
Octopuses.....	1142	517	342	203	55	63	47	0	15	0	0	2620	5004
TOTAL	730726	411685	259601	92817	103020	109292	72924	42887	40	0	0	2822242	4645234
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	189	131	688	8001	10293	8144	1075	28521
Crab, rock.....	0	0	0	0	219	506	0	82	29	165	9	229	1239
TOTAL	0	0	0	0	219	695	131	770	8030	10458	8153	1304	29760
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, butter.....	0	93	498	348	180	155	295	0	0	0	0	100	1669
Clams, cockle.....	170	0	320	1104	323	139	1030	0	0	0	405	0	3491
Clams, gaper.....	0	0	0	5	0	0	0	5	0	0	450	0	455
Clams, Littleneck....	0	0	0	0	0	0	0	0	0	0	0	0	5
Clams, razor.....	62	658	544	797	410	194	82	0	29	34	35	61	2906
Clams, softshell.....	12	6	280	670	272	758	795	525	240	0	0	0	3558
TOTAL	244	757	1642	2924	1185	1246	2202	530	269	34	890	161	12084
HAND DEVICE													
FISH:													
Lamprey, Pacific.....	0	0	0	0	0	3640	1100	0	0	0	0	0	4740
Miscellaneous.....	0	0	0	310	200	0	0	0	0	0	0	0	510
CRUSTACEANS:													
Crab, rock.....	0	0	0	0	170	393	0	0	0	0	0	0	563
MOLLUSKS:													
Clams, butter.....	342	0	261	46	133	203	149	22	12	0	25	0	1193
Clams, cockle.....	1895	4622	4991	3236	3634	1718	1352	1351	0	0	5997	410	29206
Clams, gaper.....	0	0	0	0	0	0	2859	1546	2707	5164	1509	2279	16064
Clams, Littleneck....	1513	892	2327	2211	2727	3653	4936	3647	2369	1637	816	840	27568
Mussels, ocean.....	2129	3415	5998	3424	3347	2609	1370	1277	2188	2456	4874	4407	37494
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	2378	0	0	2378
OTHER INVERTEBRATES:													
Sea urchin.....	0	0	0	0	0	17316	2741	12034	3163	7533	11157	1876	55820
TOTAL	5879	8929	13577	9227	10211	29532	14507	19877	10439	19168	24378	9812	175536
SCALLOP DREDGE													
MOLLUSKS:													
Scallop, weathervane.	0	16019	89438	0	0	0	0	0	0	66	0	0	105523
TOTAL	0	16019	89438	0	0	0	0	0	0	66	0	0	105523
BAIT SHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost (sand).	2851	2274	3320	6604	10844	10078	8708	8688	6944	7483	4261	3313	75368
Shrimp, mud.....	6438	6549	14855	8244	1123	975	896	1310	1696	2508	3326	5312	53232
TOTAL	9289	8823	18175	14848	11967	11053	9604	9998	8640	9991	7587	8625	128600

TABLE 24. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR IN OREGON, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BAITFISH NET</u>													
FISH:													
Flounder, starry.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Herring, Pacific.....	0	124263	1748	0	92169	156	1846	0	0	0	0	0	220182
Smelt.....	462	5534	6652	14719	283	0	0	0	0	0	0	0	27650
Surfperch.....	0	0	7	22	25	0	0	0	0	0	0	0	54
CRUSTACEANS:													
Shrimp, brine.....	0	0	0	0	0	11000	8300	3100	0	0	0	0	22400
TOTAL	462	129797	8407	14741	92478	11156	10146	3100	0	0	0	0	270287
<u>CRAYFISH TRAP</u>													
CRUSTACEANS:													
Crayfish.....	0	0	0	13813	18257	41650	54505	41424	35580	12600	0	0	217829
TOTAL	0	0	0	13813	18257	41650	54505	41424	35580	12600	0	0	217829
TOTAL	5037005	4830126	6373274	9070927	14446915	11908255	14246915	13660715	13920926	9863021	3457240	7007109	113822428

TABLE 25. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR FROM THE COLUMBIA RIVER, 1986. 1/

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BELOW BONNEVILLE DAM													
<u>COL. R. GILLNET</u>													
FISH:													
Flounder, starry.....	0	0	167	0	0	0	0	139	205	4	0	0	515
Salmon, chinook.....	536	34365	75500	0	0	59	751	32163	1333742	141247	4182	0	1622545
Salmon, chum.....	0	0	0	0	0	0	0	0	0	2962	3153	0	6115
Salmon, coho.....	0	0	0	0	0	0	0	1952	1721579	2244647	730011	0	4698189
Salmon, sockeye.....	0	0	0	0	0	3677	0	0	0	0	0	0	3677
Shad, American.....	0	0	0	0	61662	246880	0	0	0	0	0	0	308542
Smelt.....	3977	58	0	0	0	0	0	0	0	0	0	0	4035
Sturgeon, green.....	0	28	222	0	0	119	35735	38627	6095	623	171	0	81620
Sturgeon, white.....	10686	21509	13628	0	0	49	40448	64064	44570	21033	6367	0	222354
Miscellaneous.....	0	0	0	0	338	250	0	0	0	0	0	0	588
TOTAL	15199	55960	89517	0	62000	251034	76934	136945	3106191	2410516	743884	0	6948180
<u>COL. R. DIPNET</u>													
FISH:													
Smelt.....	583	3700	400	0	0	0	0	0	0	0	0	0	4683
TOTAL	583	3700	400	0	0	0	0	0	0	0	0	0	4683
TOTAL	15782	59660	89917	0	62000	251034	76934	136945	3106191	2410516	743884	0	6952863
ABOVE BONNEVILLE DAM													
<u>COL. R. SETNET</u>													
FISH:													
Salmon, chinook.....	0	34	833	0	0	3532	0	92247	848322	17498	0	0	962466
Salmon, coho.....	0	12	0	0	0	0	0	532	23575	163	0	0	24282
Salmon, sockeye.....	0	0	0	0	0	10566	0	0	0	0	0	0	10566
Shad, American.....	0	0	0	0	0	141	0	0	0	0	0	0	141
Steelhead.....	0	9929	14532	0	0	8356	0	57125	235338	13379	0	0	338659
Sturgeon, white.....	0	30802	25877	0	0	4045	0	35690	83378	919	0	0	180711
TOTAL	0	40777	41242	0	0	26640	0	185594	1190613	31959	0	0	1516825
<u>COL. R. SETLINE</u>													
FISH:													
Sturgeon, white.....	0	2065	1991	12032	0	0	20644	16827	290	12783	6941	5582	79155
TOTAL	0	2065	1991	12032	0	0	20644	16827	290	12783	6941	5582	79155
<u>COL. R. DIPNET</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	23	0	1120	15031	90	0	0	16264
Salmon, coho.....	0	0	0	0	0	0	0	187	22597	665	0	0	23449
Salmon, sockeye.....	0	0	0	0	0	68	0	0	0	0	0	0	68
Steelhead.....	0	0	0	0	0	1050	0	4621	16021	305	0	0	21992
TOTAL	0	0	0	0	0	1141	0	5928	53649	1058	0	0	61776
TOTAL	0	42842	43233	12032	0	27781	20644	208349	1244552	45800	6941	5582	1657756
TOTAL	15782	102502	133150	12032	62000	278815	97578	345294	4350743	2456316	750825	5582	8610619

1/ OREGON LANDINGS ONLY.

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1986. 1/ 2/

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OCEAN TROLL													
FISH:													
Lingcod.....	0	0	0	0	0	0	24	22	0	0	0	0	46
Rockfish, other spp..	0	0	0	0	33	0	0	732	0	112	0	0	877
Salmon, chinook.....	0	0	0	0	49068	414	6598	7399	3090	1834	0	0	68403
Salmon, coho.....	0	0	0	0	0	0	1754	63214	0	0	0	0	64968
Tuna, albacore.....	0	0	0	0	0	0	0	293763	302531	12547	0	0	608841
Tuna, other.....	0	0	0	0	0	0	0	253	94	17	0	0	364
TOTAL	0	0	0	0	49101	414	8376	365383	305715	14510	0	0	743499
TUNA BAITBOAT													
FISH:													
Tuna, albacore.....	0	0	0	0	0	0	0	634185	180497	0	0	0	814682
TOTAL	0	0	0	0	0	0	0	634185	180497	0	0	0	814682
FISH JIG													
FISH:													
Lingcod.....	0	0	0	0	0	0	0	0	39	0	0	0	39
Rockfish, other spp..	0	0	0	0	0	0	0	0	190	0	0	0	190
TOTAL	0	0	0	0	0	0	0	0	229	0	0	0	229
LONGLINE													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	195	0	0	0	0	0	195
Flounder, arrowtooth.	0	0	0	0	0	0	70	136	0	0	0	0	206
Hallbut, Pacific.....	0	0	0	0	310576	188143	275952	0	232114	0	0	0	1006785
Lingcod.....	0	0	0	0	0	319	402	1079	304	20	0	0	2124
Pac. Oc. Perch.....	0	0	0	145	0	50	0	362	41	0	0	0	598
Nominal POP.....	0	0	0	0	0	0	1990	0	0	0	0	0	1990
Rkfish, Sebastolobus..	0	0	0	0	0	252	225	306	499	130	0	0	1412
Rockfish, other spp..	0	0	0	3324	0	10547	19267	37057	24043	15818	0	0	110056
Sablefish.....	0	0	0	11399	0	11393	66868	164337	39539	12186	0	0	305722
Shark, soupfln.....	0	0	0	0	0	68	264	112	0	72	0	0	516
Sole, petrale.....	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	14868	310576	210772	365241	203389	296540	28226	0	0	1429612
GROUND FISH OTTER TRAWL													
FISH:													
Cod, Pacific.....	0	310	266	3575	9222	14617	8759	5361	2821	3927	292	792	49942
Flounder, arrowtooth.	12984	61345	32133	36411	118129	63197	147256	135771	110913	45015	38227	28259	829620
Flounder, starry.....	173	367	1798	7936	20398	34120	48092	33809	20264	14981	1003	0	182941
Hake, Pac. (Whiting).	0	0	0	0	4575	15464	25530	12472	0	3150	0	0	61191
Lingcod.....	6602	5012	19543	13170	33619	55118	84405	74283	109591	54324	4528	9001	469196
Prickleback, monkeyface	0	0	0	0	0	0	0	0	36	0	0	0	36
Pac. Oc. Perch.....	29229	77661	52717	28626	118289	114189	129937	89697	64172	41797	21697	31916	799927
Nominal POP.....	30355	27985	34932	6645	25103	56353	33282	33228	25412	8809	3074	6398	291576
Rockfish, widow.....	158037	119145	71132	4369	27072	65024	197107	137715	107608	16132	570	3003	906914
Rockfish, Yellowtail.	77105	150915	243561	87411	218030	303764	360017	270248	328400	205456	68008	141588	2454503
Rkfish, Sebastolobus..	11135	3777	29489	37954	52172	18704	27510	17738	17632	12929	21064	18103	268207
Rockfish, other spp..	60909	100329	110299	133884	314760	261221	339195	202122	176536	168819	56459	198103	2122636
Sablefish.....	26863	46337	87084	72659	252426	136675	294678	218859	70752	55101	64915	89442	1415791
Sanddab, Pacific.....	117	3945	10855	13185	63821	11021	4553	15427	19746	21026	2841	2010	168547
Shark, soupfln.....	237	310	122	0	68	593	750	24	121	30	28	181	2464
Shark, thresher.....	0	0	0	0	0	0	550	0	0	0	0	0	550
Shark, other.....	0	0	86	0	0	0	0	0	0	0	0	0	86
Skates and Rays.....	0	795	180	95	122	0	0	0	0	0	0	0	1192
Sole, Dover.....	112919	256941	436320	516202	395998	190419	462878	312836	263602	183870	214062	521961	3868008
Sole, English.....	1934	6777	19551	28045	107608	78467	176635	234356	157151	55672	9050	3426	878672
Sole, flathead.....	496	0	0	0	0	0	0	466	778	883	0	0	2623
Sole, petrale.....	43753	112290	58520	8130	42834	22957	26538	68444	33395	30722	12084	102562	562229
Sole, rex.....	5255	16250	26070	12400	56162	46927	73061	47811	51519	50756	12564	8963	407738
Sole, rock.....	0	0	0	0	0	43	0	4	0	0	0	0	47

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1986. 1/ 2/ (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sole, sand.....	316	1181	6310	25522	68634	35315	56448	82356	33120	38329	14921	8141	370593
Sturgeon, green.....	49	23	0	236	1736	365	276	368	229	248	78	10	3618
Sturgeon, white.....	0	0	0	0	2444	90	32	189	149	0	0	0	2904
Surfperch.....	0	0	0	0	0	0	0	0	75	0	0	0	75
Wolf-eel.....	0	0	0	14	62	1017	673	404	114	6	0	0	2290
MOLLUSKS:													
Octopus.....	55	0	52	0	330	453	563	408	467	268	98	39	2733
TOTAL	578523	991695	1241020	1036469	1933614	1526113	2498705	1994396	1594603	1012250	545563	1173898	16126849
MIDWATER TRAWL													
FISH:													
Hake, Pac. (Whiting).....	0	0	0	0	0	51464	0	0	0	0	0	0	51464
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	6000	0	0	0	6000
Nominal POP.....	0	0	0	0	0	0	11700	12006	5704	0	0	0	29410
Rockfish, Widow.....	244353	256201	182940	150133	188955	146860	305964	302095	217548	2650	0	2000	1999709
Rockfish, Yellowtail.....	0	4908	18842	20975	1505	11440	53839	68926	45963	0	23216	48092	297706
Rockfish, other spp..	307	23455	0	2225	320	0	0	31172	945	1000	0	0	59424
Shark, soupfin.....	0	30	0	0	0	0	15	20	0	0	0	0	65
Shark, thresher.....	0	0	0	0	0	0	0	616	0	0	0	0	616
TOTAL	244660	284594	201782	173333	190790	209764	371518	414835	276160	3650	23216	50092	2444394
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	1290	959	5365	1230	68	64	0	0	8976
Flounder, arrowtooth.....	0	0	0	50	663	2036	9628	13085	8145	4338	0	0	37945
Flounder, starry.....	0	0	0	0	0	0	587	10	0	0	0	0	597
Hake, Pac. (Whiting).....	0	0	0	0	0	0	118	0	0	0	0	0	118
Lingcod.....	0	0	0	1980	8176	11530	18888	15315	8161	4538	0	0	68588
Pollock, walleye.....	0	0	0	0	0	1523	0	0	0	0	0	0	1523
Prickleback, monkeyface.....	0	0	0	0	0	0	0	0	0	9	0	0	9
Pac. Oc. Perch.....	0	0	0	0	0	0	217	0	100	0	0	0	317
Nominal POP.....	0	0	0	0	0	0	0	505	5515	0	0	0	6020
Rockfish, Widow.....	0	0	0	0	0	66	0	0	0	0	0	0	66
Rockfish, Yellowtail.....	0	0	0	15453	39953	33428	21132	10779	10931	5733	0	0	137409
Rkfish, Sebastolobus.....	0	0	0	0	0	0	37	0	242	0	0	0	279
Rockfish, other spp..	0	0	0	20170	142735	113065	110453	175677	102433	104091	0	0	768624
Sablefish.....	0	0	0	1008	349	2813	6206	20179	10371	4584	0	0	45510
Sanddab, Pacific.....	0	0	0	0	0	0	11	0	220	0	0	0	231
Shark, soupfin.....	0	0	0	0	0	30	87	79	0	32	0	0	228
Shark, other.....	0	0	0	0	0	0	0	120	0	0	0	0	120
Sole, Dover.....	0	0	0	1418	6474	6196	4173	8580	5251	5060	0	0	37152
Sole, English.....	0	0	0	30	49	0	168	204	203	946	0	0	1600
Sole, flathead.....	0	0	0	88	198	26	30	210	37	0	0	0	589
Sole, petrale.....	0	0	0	298	420	386	134	311	18	492	0	0	2059
Sole, rex.....	0	0	0	145	263	62	161	10	483	119	0	0	1243
Sole, sand.....	0	0	0	0	0	0	0	0	0	10	0	0	10
Wolf-eel.....	0	0	0	0	26	0	0	0	0	0	0	0	26
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	1022739	3794941	2496615	1652773	1796073	1091882	960055	0	0	12815078
MOLLUSKS:													
Octopus.....	0	0	0	0	76	184	60	51	0	0	0	0	371
TOTAL	0	0	0	1063379	3995613	2668919	1830228	2042418	1244060	1090071	0	0	13934688
OCEAN GILLNET													
FISH:													
Opah.....	0	0	0	0	0	0	0	89	0	0	0	0	89
Shark, soupfin.....	0	0	0	0	0	0	0	256	0	0	0	0	256
Shark, thresher.....	0	0	0	0	0	0	153414	609180	1358	240	0	0	764192
Shark, other.....	0	0	0	0	0	0	84	112	0	0	0	0	196
Miscellaneous.....	0	0	0	0	0	0	0	255	0	0	0	0	255
TOTAL	0	0	0	0	0	0	153498	609892	1358	240	0	0	764988
CRAB POT													
FISH:													
Lingcod.....	10	0	0	0	0	0	0	0	0	0	0	0	10

TABLE 26. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT ASTORIA, 1986. 1/ 2/ (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, Yellowtail.	0	18	0	0	0	0	0	0	0	0	0	0	18
Rockfish, other spp..	0	144	4	47	0	0	0	0	0	0	0	0	195
CRUSTACEANS:													
Crab, Dungeness, Oc..	148319	89767	48949	21030	16120	17221	10747	8029	0	0	0	540016	900198
TOTAL	148329	89929	48953	21077	16120	17221	10747	8029	0	0	0	540016	900421
<u>HAND DEVICE</u>													
FISH:													
Miscellaneous.....	0	0	0	310	200	0	0	0	0	0	0	0	510
MOLLUSKS:													
Mussels, ocean.....	281	108	454	385	352	326	0	187	0	0	0	0	2093
TOTAL	281	108	454	695	552	326	0	187	0	0	0	0	2603
TOTAL	971793	1366326	1492209	2309821	6496366	4633529	5238313	6272714	3899162	2148947	568779	1764006	37161965

1/ OCEAN LANDINGS ONLY; SEE TABLE 25 FOR COLUMBIA RIVER LANDINGS.
 2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

TABLE 26A. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT SEASIDE/GEARHART, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Lingcod.....	0	0	0	0	0	0	0	257	0	0	0	0	257
Rockfish, other spp..	0	0	0	0	0	0	0	356	0	0	0	0	356
Salmon, chinook.....	0	0	0	0	0	0	0	1607	0	0	0	0	1607
Salmon, coho.....	0	0	0	0	0	0	224	53513	0	0	0	0	53737
Salmon, pink.....	0	0	0	0	0	0	0	2	0	0	0	0	2
TOTAL	0	0	0	0	0	0	224	55735	0	0	0	0	55959
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, razor.....	62	658	544	797	410	194	82	0	29	34	35	61	2906
TOTAL	62	658	544	797	410	194	82	0	29	34	35	61	2906
TOTAL	62	658	544	797	410	194	306	55735	29	34	35	61	58865

TABLE 26B. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT CANNON BEACH, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	44	536	0	0	0	0	580
Salmon, chum.....	0	0	0	0	0	0	0	28	0	0	0	0	28
Salmon, coho.....	0	0	0	0	0	0	1465	4675	0	0	0	0	6140
TOTAL	0	0	0	0	0	0	1509	5239	0	0	0	0	6748
TOTAL							1509	5239					6748

TABLE 27. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEHALEM BAY, 1986.

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	18	50	37	21	50	0	176
TOTAL	0	0	0	0	0	0	18	50	37	21	50	0	176
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	17	0	0	0	0	0	0	0	17
TOTAL	0	0	0	0	17	0	0	0	0	0	0	0	17
<u>HAND DEVICE</u>													
MOLLUSKS:													
Clams, butter.....	0	0	0	0	64	107	21	0	0	0	0	0	192
Clams, cockle.....	0	0	170	38	93	86	444	121	0	0	4502	0	5454
Clams, littleneck....	1056	653	2067	2174	2693	3429	4696	3237	2369	1637	806	65	24882
Mussels, ocean.....	0	0	0	0	75	0	0	0	0	66	0	0	141
TOTAL	1056	653	2237	2212	2925	3622	5161	3358	2369	1703	5308	65	30669
<u>BAIT SHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost (sand).	0	152	14	155	902	730	818	414	333	682	258	282	4740
TOTAL	0	152	14	155	902	730	818	414	333	682	258	282	4740
TOTAL	1056	805	2251	2367	3844	4352	5997	3822	2739	2406	5616	347	35602

TABLE 20. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT TILLAMOOK BAY, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Halibut, Pacific.....	0	0	0	0	0	0	527	0	0	0	0	0	527
Lingcod.....	41	0	125	0	422	265	759	549	205	17	0	0	2383
Rockfish, other spp..	0	0	207	1210	1199	849	3109	1799	914	381	0	0	9668
Salmon, chinook.....	0	0	0	0	1760	864	9008	36808	56255	12504	237	0	117436
Salmon, coho.....	0	0	0	0	0	0	14832	33527	0	0	0	0	17359
TOTAL	41	0	332	1210	3381	1978	157235	72683	57374	12902	237	0	307373
<u>FISH JIG</u>													
FISH:													
Halibut, Pacific.....	0	0	0	0	0	23	0	0	0	0	0	0	23
Lingcod.....	0	0	0	66	834	176	519	747	1044	96	33	0	3515
Rockfish, other spp..	0	0	0	884	5889	1352	2947	2837	4571	373	446	0	19299
TOTAL	0	0	0	950	6723	1551	3466	3584	5615	469	479	0	22857
<u>LONGLINE</u>													
FISH:													
Flounder, arrowtooth.	0	0	0	0	24	16	0	9	26	0	0	0	75
Halibut, Pacific.....	0	0	0	0	0	145	1275	76	0	0	0	0	1496
Lingcod.....	0	0	0	22	0	25	71	0	794	515	0	0	1427
Pac. Oc. Perch.....	0	0	0	6	0	0	0	0	0	0	0	0	6
Nominal POP.....	0	0	0	0	14	0	0	0	0	0	0	0	14
Rkfish, Sebastolobus..	0	0	0	5	0	0	0	0	0	0	0	0	5
Rockfish, other spp..	0	60	0	10	445	1095	1001	812	2752	1248	0	0	7423
Sablefish.....	0	0	0	259	7782	4723	6137	7426	7237	727	0	0	34291
Sole, Dover.....	0	0	0	0	3	5	3	12	0	2	0	0	25
Sole, petrale.....	0	0	0	0	0	0	11	0	12	6	0	0	29
TOTAL	0	60	0	302	8268	6009	8498	8335	10821	2498	0	0	44791
<u>GROUND FISH OTTER TRAWL</u>													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	511	1781	2292
Flounder, arrowtooth.	4188	960	698	186	0	0	756	2630	260	974	376	285	11313
Flounder, starry.....	0	0	76	0	0	0	184	639	1757	1077	0	0	3733
Lingcod.....	1438	60	3028	103	0	237	822	6794	1157	1722	785	958	17104
Prickleback, monkeyface	0	0	0	0	0	0	27	0	0	0	0	0	27
Pac. Oc. Perch.....	10463	4244	8328	1982	0	0	805	0	0	0	3089	1859	30770
Nominal POP.....	450	0	3062	4138	0	15804	2725	1397	563	1637	3994	4692	38462
Rockfish, widow.....	5083	245	12	0	0	0	0	0	66	0	0	0	5406
Rkfish, Sebastolobus..	3282	593	550	1043	0	1267	1694	1547	234	151	635	1108	12104
Rockfish, other spp..	15291	0	6067	421	0	203	743	3581	733	1797	4584	4506	37926
Sablefish.....	6294	1833	1591	1782	0	5105	7808	4126	2039	1496	1289	7259	40622
Sanddab, Pacific.....	0	25	0	0	0	0	0	0	0	13	0	0	38
Shark, soupfin.....	0	0	0	0	0	0	0	0	16	0	0	0	16
Skates and Rays.....	0	0	0	0	0	0	0	0	10	0	0	0	10
Sole, Dover.....	8257	1837	6817	9383	0	16195	38249	50274	20488	29878	10667	29812	221857
Sole, English.....	1526	874	787	117	0	0	1579	3647	3147	1405	1202	9306	23590
Sole, flathead.....	0	0	0	0	0	264	209	1288	44	320	0	219	2544
Sole, petrale.....	35531	10279	4749	403	0	30	211	10310	4792	1390	4388	19032	91115
Sole, rex.....	2350	801	2176	1055	0	2389	2234	953	194	421	173	1198	13924
Sole, sand.....	0	0	0	0	0	0	640	1555	2780	1369	55	0	6399
Sturgeon, white.....	0	0	0	0	0	0	0	0	21	0	0	0	21
Wolf-eel.....	0	0	0	0	0	0	0	6	0	0	0	0	6
MOLLUSKS:													
Octopus.....	0	0	0	0	0	41	0	0	1	0	0	0	42
Squid.....	0	0	0	0	0	0	0	0	0	0	37	85	122
TOTAL	94133	21751	37941	20613	0	41535	58686	88747	38302	43650	31785	82100	559243
<u>SHRIMP TRAWL</u>													
FISH:													
Flounder, arrowtooth.	0	0	0	0	1	153	0	90	279	197	0	0	720
Lingcod.....	0	0	0	24	236	208	47	50	19	241	0	0	825

TABLE 28. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT TILLAMOOK BAY, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Pac. Oc. Perch.....	0	0	0	0	0	3224	6302	3772	932	0	0	0	14230
Nominal POP.....	0	0	0	0	0	0	0	0	0	160	0	0	160
Rockfish, widow.....	0	0	0	0	960	0	218	0	0	0	0	0	1178
Rkfish, Sebastolobus..	0	0	0	0	0	0	0	0	0	150	0	0	150
Rockfish, other spp..	0	0	0	10644	52676	27541	39489	20637	13088	16888	0	0	180963
Sablefish.....	0	0	0	0	0	85	141	299	219	113	0	0	857
Sole, Dover.....	0	0	0	8	403	495	198	562	230	2404	0	0	4300
Sole, English.....	0	0	0	0	23	0	0	20	0	204	0	0	247
Sole, petrale.....	0	0	0	0	8	1	0	0	0	171	0	0	180
Sole, rex.....	0	0	0	0	0	2	0	0	0	57	0	0	59
Sole, sand.....	0	0	0	0	9	0	0	0	0	10	0	0	19
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	423591	1263578	967741	604862	425581	377564	348665	0	0	4411582
TOTAL	0	0	0	434267	1317894	999450	651257	451011	392331	369260	0	0	4615470
CRAB POT													
FISH:													
Lingcod.....	0	0	21	92	0	0	0	0	0	0	0	0	113
Rockfish, other spp..	0	19	18	0	0	0	67	0	0	0	0	22	126
Wolf-eel.....	0	0	0	0	0	20	0	0	0	0	0	0	20
CRUSTACEANS:													
Crab, Dungeness, Oc..	48386	41715	30318	19220	26449	19514	19192	7099	0	0	0	85004	296897
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	0	0	0	0	112	112
TOTAL	48386	41734	30357	19312	26449	19534	19259	7099	0	0	0	85138	297268
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, butter.....	0	0	0	100	180	125	255	0	0	0	0	0	660
Clams, cockle.....	170	0	80	714	0	139	940	0	0	0	405	0	2448
Clams, littleneck....	0	0	0	5	0	0	0	0	0	0	0	0	5
Clams, softshell.....	12	0	0	0	0	0	0	0	0	0	0	0	12
TOTAL	182	0	80	819	180	264	1195	0	0	0	405	0	3125
HAND DEVICE													
MOLLUSKS:													
Clams, butter.....	342	0	0	0	0	0	0	0	0	0	0	0	342
Clams, cockle.....	1895	4622	4754	2956	3465	1632	890	1230	0	0	1495	410	23349
Clams, littleneck....	457	239	205	7	0	214	216	408	0	0	0	775	2521
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0	49	155	204
TOTAL	2694	4861	4959	2963	3465	1846	1106	1638	0	0	1544	1340	26416
BAITSHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost (sand)..	1341	1148	2055	3010	4058	3640	3433	4029	1664	1189	501	211	26279
Shrimp, mud.....	3927	2835	7742	4604	0	0	0	50	491	460	707	1908	22724
TOTAL	5268	3983	9797	7614	4058	3640	3433	4079	2155	1649	1208	2119	49003
TOTAL	150704	72389	83466	488050	1370418	1075807	904135	637176	506598	430428	35658	170697	5925526

TABLE 29. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NETARTS BAY, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, cockle.....	0	0	0	390	0	0	90	0	0	0	0	0	480
TOTAL	0	0	0	390	0	0	90	0	0	0	0	0	480
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost (sand).	0	0	0	0	18	39	34	74	6	0	0	0	171
Shrimp, mud.....	2511	3714	7113	3640	185	289	80	366	40	623	798	1764	21123
TOTAL	2511	3714	7113	3640	203	328	114	440	46	623	798	1764	21294
TOTAL	2511	3714	7113	4030	203	328	204	440	46	623	798	1764	21774

TABLE 30. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PACIFIC CITY, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Cabezon.....	0	0	0	0	0	0	52	5	0	0	0	0	57
Hallbut, Pacific.....	0	0	0	0	0	235	212	0	0	0	0	0	447
Lingcod.....	0	0	0	0	8	86	385	70	0	0	0	0	549
Rockfish, other spp..	0	0	0	0	44	198	3525	908	81	0	0	0	4756
Salmon, chinook.....	0	0	0	0	93	178	18256	675	493	69	0	0	19764
Salmon, chum.....	0	0	0	0	0	0	1921	0	0	0	0	0	1921
Salmon, coho.....	0	0	0	0	0	0	299442	4368	0	0	0	0	303810
Shark, other.....	0	0	0	0	0	0	36	0	0	0	0	0	36
Wolf-eel.....	0	0	0	0	0	0	41	0	0	0	0	0	41
MOLLUSKS:													
Octopus.....	0	0	0	0	0	22	0	0	0	0	0	0	22
TOTAL	0	0	0	0	145	719	323870	6026	574	69	0	0	331403
<u>FISH JIG</u>													
FISH:													
Cabezon.....	0	0	32	65	31	236	282	201	113	0	0	94	1054
Hallbut, Pacific.....	0	0	0	0	0	246	130	0	0	0	0	0	376
Lingcod.....	0	0	1110	2027	2239	3239	2967	3113	2308	542	0	924	18469
Rockfish, other spp..	0	0	1130	389	13354	20609	7725	19814	6703	1846	0	24	71594
Salmon, chinook.....	0	0	0	0	0	0	0	12	0	0	0	0	12
Wolf-eel.....	0	0	0	0	0	24	61	34	0	0	0	0	119
TOTAL	0	0	2272	2481	15624	24354	11165	23174	9124	2388	0	1042	91624
<u>LONGLINE</u>													
FISH:													
Hallbut, Pacific.....	0	0	0	0	0	143	0	0	0	0	0	0	143
TOTAL	0	0	0	0	0	143	0	0	0	0	0	0	143
<u>CRAB POT</u>													
CRUSTACEANS:													
Crab, Dungeness, Oc..	0	0	0	0	0	84	390	0	0	0	0	0	474
TOTAL	0	0	0	0	0	84	390	0	0	0	0	0	474
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost (sand).	1271	698	1067	1908	2348	1154	1083	1287	2131	2355	1349	1419	18070
TOTAL	1271	698	1067	1908	2348	1154	1083	1287	2131	2355	1349	1419	18070
TOTAL	1271	698	3339	4389	18117	26454	336508	30487	11829	4812	1349	2461	441714

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TABLE 31. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT SILETZ BAY, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost (sand).	4	0	92	330	915	1401	1254	928	254	175	110	5	5468
TOTAL	4	0	92	330	915	1401	1254	928	254	175	110	5	5468
TOTAL	4		92	330	915	1401	1254	928	254	175	110	5	5468

TABLE 32. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT DEPOE BAY, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Cabezon.....	0	0	0	6	5	3	0	0	8	0	18	12	52
Flounder, arrowtooth.	0	0	0	0	0	0	0	0	6	0	0	0	6
Halibut, Pacific.....	0	0	0	0	0	282	13	0	0	0	0	0	295
Lingcod.....	224	2168	710	829	187	60	184	83	5607	1375	2108	2995	16530
Rockfish, Widow.....	0	6	0	0	0	0	0	0	0	0	0	0	6
Rockfish, Yellowtail.	0	0	0	0	0	5	0	0	0	0	0	0	5
Rockfish, other spp..	0	33	14	30	933	429	265	151	496	120	94	35	2600
Salmon, chinook.....	0	0	0	0	2940	10319	6700	2441	2741	196	0	0	25337
Salmon, chum.....	0	0	0	0	0	0	49	0	0	0	0	0	49
Salmon, coho.....	0	0	0	0	0	90	143189	1160	0	0	0	0	144439
Salmon, pink.....	0	0	0	0	0	0	3	0	0	0	0	0	3
Tuna, albacore.....	0	0	0	0	0	0	0	0	3663	0	0	0	3663
Miscellaneous.....	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	224	2207	724	865	4065	11188	150404	3835	12521	1691	2220	3042	192986
<u>FISH POT</u>													
FISH:													
Flounder, arrowtooth.	0	0	0	0	0	18	0	19	0	0	0	0	37
Lingcod.....	0	34	0	0	0	15	0	22	0	0	0	0	71
Rkfish, Sebastolobus..	0	42	0	0	0	0	0	0	0	0	0	0	42
Rockfish, other spp..	45	90	0	0	0	115	0	78	621	520	0	0	1469
Sablefish.....	4940	17529	7332	21250	40804	40291	12386	14315	43261	31891	0	0	233999
Sole, Dover.....	0	0	0	0	0	74	0	3	73	0	0	0	150
TOTAL	4985	17695	7332	21250	40804	40513	12386	14437	43955	32411	0	0	235768
<u>FISH JIG</u>													
FISH:													
Cabezon.....	21	80	577	579	315	236	414	538	543	285	124	80	3792
Lingcod.....	99	990	1638	1436	1565	600	953	1128	1140	351	2517	1058	13475
Rockfish, Yellowtail.	0	0	0	0	0	0	4	0	0	0	0	0	4
Rockfish, other spp..	115	824	5463	11746	25916	16105	7584	19070	18590	5839	2823	703	114778
Surfperch.....	0	0	0	0	0	4	0	0	0	0	0	0	4
Wolf-eel.....	0	0	0	12	0	0	0	0	0	0	0	0	12
Miscellaneous.....	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	235	1894	7678	13773	27796	16945	8956	20736	20273	6475	5464	1841	132066
<u>LONGLINE</u>													
FISH:													
Cabezon.....	0	0	0	0	0	782	4	0	0	0	0	0	786
Halibut, Pacific.....	0	0	0	0	0	2345	1275	0	0	0	0	0	3620
Lingcod.....	0	0	0	0	0	113	44	0	0	0	0	0	157
Rockfish, Widow.....	0	0	0	0	0	0	54	0	0	0	0	0	54
Rockfish, other spp..	0	0	0	0	0	967	182	0	0	0	0	0	1149
Sablefish.....	0	0	0	4049	0	0	0	0	0	0	0	0	4049
Wolf-eel.....	0	0	0	0	0	40	4	0	0	0	0	0	44
TOTAL	0	0	0	4049	0	4247	1563	0	0	0	0	0	9859

TABLE 32. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT DEPOE BAY, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRAB POT</u>													
FISH:													
Cabezon.....	208	80	448	107	7	0	0	0	0	0	0	459	1309
Flounder, arrowtooth.	0	0	0	1	0	0	0	0	0	0	0	0	1
Lingcod.....	82	100	93	35	0	0	0	0	0	0	0	119	429
Rockfish, other spp..	10	101	129	48	15	12	0	0	0	0	0	4	319
Wolf-eel.....	0	48	114	92	72	0	0	0	0	0	0	24	350
CRUSTACEANS:													
Crab, Dungeness, Oc..	21848	15805	10542	1727	1570	916	348	0	0	0	0	24771	77527
MOLLUSKS:													
Octopus.....	0	184	66	0	0	0	0	0	0	0	0	288	538
TOTAL	22148	16318	11392	2010	1664	928	348	0	0	0	0	25665	80473
<u>HAND DEVICE</u>													
MOLLUSKS:													
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	160	0	0	160
TOTAL	0	0	0	0	0	0	0	0	0	160	0	0	160
TOTAL	27592	38114	27126	41947	74329	73821	173657	39008	76749	40737	7684	30548	651312

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OCEAN TROLL													
FISH:													
Cabezon.....	0	0	0	0	21	14	0	4	0	0	0	0	39
Flounder, arrowtooth.	0	0	0	0	0	2	0	0	0	0	0	0	2
Flounder, starry.....	0	0	0	0	2	3	10	0	0	0	0	0	15
Hake, Pac. (Whiting).	0	0	0	0	0	10	0	0	0	0	0	0	10
Halibut, Pacific.....	0	0	0	0	0	1813	1753	0	0	0	0	0	3566
Lingcod.....	0	0	0	0	2185	1869	1518	1062	8745	14029	722	32	30162
Mackerel.....	0	0	0	0	0	0	4	0	0	0	0	0	4
Nominal POP.....	0	0	0	0	0	0	28	0	0	0	0	0	28
Rockfish, Yellowtail.	0	0	0	0	260	218	23	0	469	44	0	0	1014
Rockfish, other spp..	0	0	0	0	9105	5233	6135	1886	7470	5530	30	0	35389
Sablefish.....	0	0	0	0	0	0	43	0	0	0	0	0	43
Salmon, chinook.....	0	0	0	0	116193	127456	286140	62090	63205	182946	0	0	838030
Salmon, chum.....	0	0	0	0	14	0	160	0	0	0	0	0	174
Salmon, coho.....	0	0	0	0	0	46	836550	36207	0	0	0	0	872803
Salmon, pink.....	0	0	0	0	0	0	7	0	0	0	0	0	7
Shark, soupfin.....	0	0	0	0	0	0	21	0	0	0	0	0	21
Shark, spiny dogfish.	0	0	0	0	0	0	4	0	0	0	0	0	4
Shark, other.....	0	0	0	0	0	0	6	0	0	0	0	0	6
Sole, petrale.....	0	0	0	0	0	0	0	0	3	3	0	0	6
Tuna, albacore.....	0	0	0	0	0	0	7141	249769	186884	9266	9760	0	462820
Wolf-eel.....	0	0	0	0	10	4	0	0	0	0	0	0	14
Miscellaneous.....	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	0	0	0	0	127790	136668	1139544	351018	266776	211818	10512	32	2244158
TUNA BAITBOAT													
FISH:													
Tuna, albacore.....	0	0	0	0	0	0	0	7388	0	0	0	0	7388
TOTAL	0	0	0	0	0	0	0	7388	0	0	0	0	7388
FISH POT													
FISH:													
Flounder, arrowtooth.	0	6	42	0	0	0	0	0	0	0	0	0	48
Lingcod.....	0	66	0	32	0	0	47	601	56	0	0	0	802
Pac. Oc. Perch.....	0	0	0	17	0	656	1205	0	0	0	0	0	1878
Rockfish, Widow.....	0	0	0	0	0	0	0	976	0	75	0	0	1051
Rkfish, Sebastolobus..	0	0	0	0	0	0	12	0	0	0	0	0	12
Rockfish, other spp..	449	661	769	9425	42	0	1296	2028	4679	2757	0	0	22106
Sablefish.....	114523	185710	126447	80879	81179	114869	253088	248058	211737	169366	0	0	1585856
Sole, Dover.....	0	21	12	0	0	0	40	0	0	0	0	0	73
MOLLUSKS:													
Octopus.....	0	0	0	0	0	0	0	10	0	0	0	0	10
TOTAL	114972	186464	127270	90353	81221	115525	255688	251673	216472	172198	0	0	1611836
FISH JIG													
FISH:													
Cabezon.....	0	0	0	0	70	28	13	0	0	0	0	12	123
Flounder, starry.....	0	0	0	0	4	43	0	0	0	2	1	0	50
Halibut, Pacific.....	0	0	0	0	0	32	0	0	0	0	0	0	32
Herring, Pacific.....	0	0	0	0	3	73	42	0	0	0	0	0	118
Lingcod.....	0	0	70	85	717	593	0	0	5507	154	4232	2112	13470
Rockfish, Yellowtail.	0	0	0	0	0	0	0	0	178	0	0	0	178
Rockfish, other spp..	0	0	124	368	14162	13063	26	135	576	47	471	666	29638
Shark, spiny dogfish.	0	0	0	0	0	0	0	0	0	0	0	5	5
Skates and Rays.....	0	0	0	0	9	25	0	3	0	0	0	0	37
Surfperch.....	0	0	3	0	146	651	1138	13	0	1	0	0	1952
Wolf-eel.....	0	0	0	0	0	6	3	0	0	8	0	0	17
Miscellaneous.....	0	0	0	0	19	35	0	4	0	0	0	0	58
MOLLUSKS:													
Octopus.....	0	0	0	0	0	10	76	35	20	65	39	0	245
TOTAL	0	0	197	453	15130	14559	1298	190	6281	277	4743	2795	45923

TABLE 35. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
LONGLINE													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Flounder, arrowtooth.....	0	0	0	70	420	1585	1874	1405	2274	301	0	0	7929
Flounder, starry.....	0	0	0	0	0	0	5	4	0	0	0	0	9
Halibut, Pacific.....	0	0	0	0	0	130583	60168	0	0	0	0	0	190751
Lingcod.....	25	249	651	60	1950	5270	2725	1420	1685	86	219	3587	17927
Pac. Oc. Perch.....	0	0	0	0	68	0	160	17	0	0	0	0	245
Nominal POP.....	0	0	0	0	534	852	244	385	146	0	0	0	2161
Rockfish, Widow.....	0	0	0	0	0	8	0	42	3	0	0	11	64
Rockfish, Yellowtail.....	2094	7061	7819	0	135	59	49	418	0	170	0	1940	19745
Rkfish, Sebastolobus..	0	0	261	0	0	0	259	20	0	0	0	0	540
Rockfish, other spp..	3738	11852	8549	869	45394	24435	41678	20091	21630	13163	4638	8208	204245
Sablefish.....	0	30	5974	34653	110561	125110	97200	127711	170830	64922	0	0	736991
Shark, soupfin.....	25	21	0	0	0	833	96	23	0	0	0	0	998
Shark, spiny dogfish.....	0	0	0	0	125	0	70	0	0	0	0	0	195
Shark, other.....	0	0	0	0	0	140	0	0	0	0	0	0	140
Skates and Rays.....	0	0	0	0	21	0	6	13	0	0	0	0	40
Sole, Dover.....	0	0	0	0	9	0	0	0	0	3	0	0	12
Sole, petrale.....	0	0	0	0	0	2	23	0	0	0	0	0	25
Wolf-eel.....	0	0	0	0	0	0	0	0	0	0	10	0	10
Miscellaneous.....	0	0	0	0	0	0	0	2	0	0	0	0	2
TOTAL	5882	19213	23254	35652	159217	288877	204557	151555	196568	78645	4867	13746	1182033
GROUND FISH OTTER TRAWL													
FISH:													
Cabezon.....	0	0	10	0	0	0	0	0	0	0	0	0	10
Cod, Pacific.....	0	0	0	0	240	0	174	0	287	316	50	0	1067
Flounder, arrowtooth.....	2475	3601	31296	8932	15958	12180	17208	33225	9793	4646	1980	813	142107
Flounder, starry.....	0	137	391	845	10	0	2316	7030	2399	1955	550	0	15633
Hake, Pac. (Whiting).....	0	1567	0	0	0	0	2828	0	0	0	0	0	4395
Lingcod.....	15230	7144	12775	59754	63392	5178	20803	4707	9919	7721	9784	42376	258783
Prickleback, monkeyface.....	0	0	10	0	0	0	0	0	0	0	0	8	18
Pac. Oc. Perch.....	41014	41495	37412	44136	29670	35708	32486	13075	15170	28509	22102	40877	381654
Nominal POP.....	197385	30431	110239	120405	27452	63266	121038	36594	21874	42484	67763	134492	973423
Rockfish, Widow.....	266170	372859	227734	104926	24564	10577	6601	60863	65421	11555	11248	24689	1187207
Rockfish, Yellowtail.....	27999	21359	19194	0	11796	6460	6147	307	2052	4000	0	13733	113047
Rkfish, Sebastolobus..	3991	10780	37207	30552	32577	28467	24699	20131	11480	10496	15637	50596	276613
Rockfish, other spp..	115254	202026	317511	143807	231443	106826	7261	57077	123368	104425	73921	180513	1665432
Sablefish.....	14395	41475	96292	47335	167564	81662	64104	58260	42325	52839	55355	114632	836268
Sanddab, Pacific.....	0	340	9849	7202	0	0	4712	2925	1454	2690	979	632	30783
Shark, soupfin.....	172	26	246	0	0	0	22	0	32	64	28	0	590
Shark, thresher.....	0	0	496	0	0	0	672	0	0	0	0	0	1168
Skates and Rays.....	0	0	212	608	612	0	0	0	0	0	870	834	3136
Sole, butter.....	0	0	0	0	0	0	196	290	0	0	0	0	486
Sole, curifin(turbot).....	0	0	0	0	0	0	0	0	782	301	0	0	1083
Sole, Dover.....	7546	23748	128055	64210	80090	38608	37309	59242	35205	34570	66431	205778	780792
Sole, English.....	252	2195	4602	4319	4443	741	18633	13408	24246	38822	4706	2569	118936
Sole, petrale.....	3132	11997	16017	4518	2739	196	37902	11748	43389	26281	4754	50199	212872
Sole, rex.....	1683	1138	5998	3447	7816	2362	2994	5171	4742	7580	4443	3450	50824
Sole, rock.....	0	0	0	0	0	0	1747	1695	281	51	0	0	3774
Sole, sand.....	0	147	317	1120	30	0	30400	23253	3069	4537	1499	1362	65734
Sturgeon, green.....	0	115	244	207	0	0	24	40	0	93	17	0	740
Sturgeon, white.....	0	0	0	0	0	0	52	0	0	0	0	0	52
Wolf-eel.....	0	0	16	21	0	0	477	1011	189	291	6	86	2097
MOLLUSKS:													
Octopus.....	0	0	74	0	0	0	0	31	82	0	0	0	187
Squid.....	0	0	38	0	0	0	0	0	0	0	0	0	38
TOTAL	696698	772580	1056235	646344	700396	392231	440805	410083	419589	384226	342123	867639	7128949
MIDWATER TRAWL													
FISH:													
Hake, Pac. (Whiting).....	0	0	0	0	87040	0	104115	96117	0	122909	0	0	410181

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Lingcod.....	42	4	0	0	0	0	0	0	0	0	0	0	46
Pac. Oc. Perch.....	3274	0	0	0	0	0	0	0	0	0	0	0	3274
Nominal POP.....	2585	232	160	0	0	0	0	0	0	0	0	0	2977
Rockfish, Widow.....	1248855	778107	924110	484173	166341	0	0	88058	310778	0	0	0	4000422
Rockfish, Yellowtail..	159	930	0	0	4543	0	0	0	0	0	0	0	5632
Rockfish, other spp..	10339	4173	0	0	0	0	0	0	15479	0	0	0	29991
Shark, soupfin.....	32	0	0	0	0	0	0	0	0	0	0	0	32
TOTAL	1265286	783446	924270	484173	257924	0	104115	184175	326257	122909	0	0	4452555
SHRIMP TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	0	74	0	0	0	1	0	0	75
Flounder, arrowtooth..	0	0	0	12	1533	325	2523	326	306	526	0	0	5551
Hake, Pac. (Whiting)..	0	0	0	0	510	0	0	0	0	0	0	0	510
Lingcod.....	0	0	0	6339	3789	1460	1450	1816	2198	2667	0	0	19719
Prickleback, monkeyface	0	0	0	0	0	0	0	0	0	40	0	0	40
Pac. Oc. Perch.....	0	0	0	11	886	120	0	0	0	137	0	0	1154
Nominal POP.....	0	0	0	848	52	0	69	121	844	444	0	0	2378
Rockfish, Widow.....	0	0	0	7061	296	0	215	0	1390	0	0	0	8962
Rockfish, Yellowtail..	0	0	0	1033	3760	0	2395	2749	3351	2190	0	0	15478
Rkfish, Sebastolobus..	0	0	0	0	749	0	40	48	4	19	0	0	860
Rockfish, other spp..	0	0	0	22839	59680	42971	30005	36635	27654	51057	0	0	270841
Sablefish.....	0	0	0	16	127	885	814	1034	3093	1705	0	0	7674
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	45	0	0	45
Shark, soupfin.....	0	0	0	0	0	0	44	0	127	50	0	0	221
Skates and Rays.....	0	0	0	0	0	0	0	0	0	10	0	0	10
Sole, Dover.....	0	0	0	7491	6660	5507	7135	2701	4063	5041	0	0	38598
Sole, English.....	0	0	0	26	40	47	6	7	80	78	0	0	284
Sole, petrale.....	0	0	0	487	119	62	41	15	109	466	0	0	1299
Sole, rex.....	0	0	0	9	270	41	0	0	153	112	0	0	585
Wolf-eel.....	0	0	0	0	0	0	0	0	0	49	0	0	49
CRUSTACEANS:													
Shrimp, plnk.....	0	0	0	2056179	1690074	1138074	637795	514930	717147	1010370	0	0	7764569
MOLLUSKS:													
Squid.....	0	0	0	123	0	0	0	0	0	0	0	0	123
TOTAL	0	0	0	2102474	1768545	1189566	682532	560382	760519	1075007	0	0	8139025
SQUID NET													
MOLLUSKS:													
Squid.....	0	0	0	0	26088	0	0	0	0	0	0	0	26088
TOTAL	0	0	0	0	26088	0	0	0	0	0	0	0	26088
OCEAN GILLNET													
FISH:													
Shark, thresher.....	0	0	0	0	0	0	37504	101686	1030	0	0	0	140220
Shark, other.....	0	0	0	0	0	0	0	51	0	0	0	0	51
TOTAL	0	0	0	0	0	0	37504	101737	1030	0	0	0	140271
CRAB POT													
FISH:													
Cabezon.....	0	0	0	0	0	4	0	0	0	0	0	36	40
Lingcod.....	89	133	0	77	0	0	0	0	0	0	0	0	299
Rockfish, other spp..	0	26	0	0	0	0	0	0	0	0	0	71	97
Shark, spiny dogfish..	0	0	0	0	0	0	0	0	0	0	0	36	36
Skates and Rays.....	0	0	0	6	0	0	0	0	0	0	0	2	8
Sole, English.....	0	0	0	0	0	0	0	0	0	0	0	1	1
Wolf-eel.....	0	0	22	21	82	59	55	14	25	0	0	13	291
Miscellaneous.....	0	0	0	0	0	0	0	0	0	0	0	5	5
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	0	0	0	0	0	3060	3060
Crab, Dungeness, Oc..	284367	139884	75501	20220	18987	29943	15886	5707	0	0	0	831384	1421879
Crab, rock.....	0	0	0	0	0	0	0	0	0	0	0	4	4

TABLE 33. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT NEWPORT, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	296	333	35	110	55	63	47	0	15	0	0	399	1353
TOTAL	284752	140376	75558	20434	19124	30069	15988	5721	40	0	0	835011	1427073
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	189	0	0	28	2	1206	77	1502
Crab, rock.....	0	0	0	0	219	506	0	82	29	165	9	229	1239
TOTAL	0	0	0	0	219	695	0	82	57	167	1215	306	2741
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	6	0	0	0	0	0	0	0	6
TOTAL	0	0	0	0	6	0	0	0	0	0	0	0	6
HAND DEVICE													
CRUSTACEANS:													
Crab, rock.....	0	0	0	0	170	393	0	0	0	0	0	0	563
TOTAL	0	0	0	0	170	393	0	0	0	0	0	0	563
SCALLOP DREDGE													
MOLLUSKS:													
Scallop, weather vane.	0	16019	89438	0	0	0	0	0	0	66	0	0	105523
TOTAL	0	16019	89438	0	0	0	0	0	0	66	0	0	105523
BAIT SHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost (sand).	0	0	0	0	0	0	0	0	2	0	0	0	2
TOTAL	0	0	0	0	0	0	0	0	2	0	0	0	2
BAIT FISH NET													
FISH:													
Flounder, starry.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Herring, Pacific.....	0	124263	1748	0	92039	156	0	0	0	0	0	0	218206
Surfperch.....	0	0	0	0	25	0	0	0	0	0	0	0	25
TOTAL	0	124263	1748	0	92065	156	0	0	0	0	0	0	218232
TOTAL	2367590	2042361	2297970	3379883	3247895	2168739	2882031	2024004	2193591	2045313	363460	1719529	26732366

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TABLE 34. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WALDPOR, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRAB POT													
CRUSTACEANS:													
Crab, Dungeness, Oc..	0	0	0	0	0	12	0	0	0	0	0	0	12
TOTAL	0	0	0	0	0	12	0	0	0	0	0	0	12
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	113	474	1846	4570	1269	0	8272
TOTAL	0	0	0	0	0	0	113	474	1846	4570	1269	0	8272
HAND DEVICE													
MOLLUSKS:													
Mussels, ocean.....	0	0	5	0	0	25	0	0	0	0	0	0	30
TOTAL	0	0	5	0	0	25	0	0	0	0	0	0	30
BAIT SHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost (sand).	235	265	5	928	1232	1872	1468	1476	2209	2776	1620	1259	15345
Shrimp, mud.....	0	0	0	0	0	0	0	0	22	0	0	16	38
TOTAL	235	265	5	928	1232	1872	1468	1476	2231	2776	1620	1275	15383
TOTAL	235	265	10	928	1232	1909	1581	1950	4077	7346	2889	1275	23697

TABLE 35. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT FLORENCE, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OCEAN TROLL													
FISH:													
Hake, Pac. (Whiting)	0	0	0	0	0	0	51	1115	0	0	0	0	1166
Halibut, Pacific	0	0	0	0	0	589	154	0	0	0	0	0	743
Lingcod	0	0	0	0	0	0	30	11	33	0	0	0	74
Rockfish, other spp.	0	0	0	0	0	91	254	34	77	0	0	0	456
Salmon, chinook	0	0	0	0	29982	28625	99155	24728	1607	90	0	0	184187
Salmon, coho	0	0	0	0	0	0	53066	2880	0	0	0	0	55946
Tuna, albacore	0	0	0	0	0	0	7141	0	0	0	0	0	7141
TOTAL	0	0	0	0	29982	29305	152710	35909	1717	90	0	0	249713
COASTAL GILLNET													
FISH:													
Shad, American	0	0	0	0	979	400	164	0	0	0	0	0	1543
TOTAL	0	0	0	0	979	400	164	0	0	0	0	0	1543
COASTAL SETNET													
FISH:													
Shad, American	0	0	0	0	4702	6206	0	0	0	0	0	0	10908
TOTAL	0	0	0	0	4702	6206	0	0	0	0	0	0	10908
FISH POT													
FISH:													
Lingcod	0	0	0	0	0	76	88	0	0	0	0	0	164
Sablefish	0	0	0	1557	28533	120146	152603	60522	105130	12322	0	0	480813
TOTAL	0	0	0	1557	28533	120222	152691	60522	105130	12322	0	0	480977
FISH JIG													
FISH:													
Lingcod	0	0	0	0	0	0	0	0	22	0	0	0	22
Rockfish, other spp.	0	0	0	0	0	0	0	0	186	0	0	0	186
TOTAL	0	0	0	0	0	0	0	0	208	0	0	0	208
LONGLINE													
FISH:													
Lingcod	0	0	0	0	0	0	0	86	44	0	0	0	130
Rockfish, other spp.	0	0	0	0	0	0	0	6506	2130	0	0	0	8636
Sablefish	0	0	0	0	0	0	0	30	3000	0	0	0	3030
TOTAL	0	0	0	0	0	0	0	6622	5174	0	0	0	11796
GROUND FISH OTTER TRAWL													
FISH:													
Flounder, starry	0	0	0	0	0	0	0	10	0	0	0	0	10
Hake, Pac. (Whiting)	0	0	0	0	0	0	0	3758	40	604	0	0	4402
Lingcod	0	0	0	0	0	0	0	1869	0	142	0	0	2011
Rockfish, other spp.	0	0	0	0	0	0	0	4786	0	1028	0	0	5814
Sablefish	0	0	0	0	0	0	0	1519	0	3954	0	0	5473
Sanddab, Pacific	0	0	0	0	0	0	0	21006	578	594	0	0	22178
Sole, Dover	0	0	0	0	0	0	0	3186	206	5790	0	0	9182
Sole, English	0	0	0	0	0	0	0	3928	284	309	0	0	4521
Sole, petrale	0	0	0	0	0	0	0	1753	254	223	0	0	2230
Sole, rex	0	0	0	0	0	0	0	65	0	0	0	0	65
Sole, sand	0	0	0	0	0	0	0	936	0	0	0	0	936
TOTAL	0	0	0	0	0	0	0	42816	1362	12644	0	0	56822
CRAB POT													
CRUSTACEANS:													
Crab, Dungeness, Oc.	9301	6827	4851	2447	3737	2455	4996	1956	0	0	0	66837	103407
TOTAL	9301	6827	4851	2447	3737	2455	4996	1956	0	0	0	66837	103407
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay	0	0	0	0	0	0	0	0	205	0	0	0	205
TOTAL	0	0	0	0	0	0	0	0	205	0	0	0	205

TABLE 35. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT FLORENCE, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, softshell.....	0	6	280	480	200	0	0	0	240	0	0	0	1206
TOTAL	0	6	280	480	200	0	0	0	240	0	0	0	1206
<u>HAND DEVICE</u>													
MOLLUSKS:													
Mussels, ocean.....	0	0	0	14	0	0	500	0	0	0	0	0	514
TOTAL	0	0	0	14	0	0	500	0	0	0	0	0	514
<u>BAITSHRIMP PUMP</u>													
CRUSTACEANS:													
Shrimp, ghost (sand).	0	0	82	141	331	932	332	294	129	21	42	57	2361
TOTAL	0	0	82	141	331	932	332	294	129	21	42	57	2361
TOTAL	9301	6833	5213	4639	68464	159520	311393	148119	114165	25077	42	66894	919660

TABLE 36. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WINCHESTER BAY, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Halibut, Pacific.....	0	0	0	0	16	48	0	0	0	0	0	0	64
Lingcod.....	0	0	0	0	95	64	67	35	134	6	0	0	401
Rockfish, other spp..	0	0	0	0	242	252	461	15	263	12	0	0	1245
Salmon, chinook.....	0	0	0	0	63495	81401	59109	52001	7481	325	0	0	263812
Salmon, coho.....	0	0	0	0	0	45	45880	0	0	0	0	0	45925
Sanddab, Pacific.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Tuna, albacore.....	0	0	0	0	0	0	5636	39168	17625	946	0	0	63375
TOTAL	0	0	0	0	63848	81810	111155	91219	25503	1289	0	0	374824
<u>COASTAL GILLNET</u>													
FISH:													
Shad, American.....	0	0	0	0	8612	7848	0	0	0	0	0	0	16460
TOTAL	0	0	0	0	8612	7848	0	0	0	0	0	0	16460
<u>COASTAL SETNET</u>													
FISH:													
Shad, American.....	0	0	0	0	3395	2165	0	0	0	0	0	0	5560
TOTAL	0	0	0	0	3395	2165	0	0	0	0	0	0	5560
<u>FISH POT</u>													
FISH:													
Sablefish.....	0	0	0	0	12131	87107	163395	51496	140408	95682	0	0	550219
TOTAL	0	0	0	0	12131	87107	163395	51496	140408	95682	0	0	550219
<u>FISH JIG</u>													
FISH:													
Rockfish, other spp..	0	0	0	0	0	118	0	0	0	0	0	0	118
TOTAL	0	0	0	0	0	118	0	0	0	0	0	0	118
<u>LONGLINE</u>													
FISH:													
Halibut, Pacific.....	0	0	0	0	0	2962	8136	0	0	0	0	0	11098
Lingcod.....	0	0	0	0	0	0	154	0	123	0	0	0	277
Rockfish, widow.....	0	0	0	0	0	0	0	0	174	0	0	0	174
Rkfish, Sebastolobus..	0	0	0	0	0	0	178	44	0	0	0	0	222
Rockfish, other spp..	0	0	0	0	0	970	16	478	2633	0	0	0	4097
Sablefish.....	0	0	0	0	0	0	12621	16617	1093	0	0	0	30331
TOTAL	0	0	0	0	0	3932	21105	17139	4023	0	0	0	46199
<u>GROUND FISH OTTER TRAWL</u>													
FISH:													
Flounder, arrowtooth.	0	0	0	0	0	0	0	0	486	1404	450	0	2340
Hake, Pac. (Whiting).	0	0	0	0	0	0	0	0	0	870	123	0	993
Lingcod.....	0	0	0	0	0	0	0	0	257	424	657	0	1338
Prickleback, monkeyface	0	0	0	0	0	0	0	0	0	56	32	0	88
Nominal POP.....	0	0	0	0	0	0	0	0	1746	3022	224	0	4992
Rkfish, Sebastolobus..	0	0	0	0	0	0	0	0	0	710	124	0	834
Rockfish, other spp..	0	0	0	0	0	0	0	0	0	230	850	0	1080
Sablefish.....	0	0	0	0	0	0	0	0	7549	3966	202	0	11717
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	0	185	0	185
Skates and Rays.....	0	0	0	0	0	0	0	0	1025	664	420	0	2109
Sole, Dover.....	0	0	0	0	0	0	0	0	5778	22914	13793	0	42485
Sole, English.....	0	0	0	0	0	0	0	0	218	92	0	0	310
Sole, petrale.....	0	0	0	0	0	0	0	0	0	654	810	0	1464
Sole, rex.....	0	0	0	0	0	0	0	0	0	2412	460	0	2872
TOTAL	0	0	0	0	0	0	0	0	17059	37418	18330	0	72807
<u>SHRIMP TRAWL</u>													
FISH:													
Skates and Rays.....	0	0	0	0	0	0	0	0	518	0	0	0	518

TABLE 36. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT WINCHESTER BAY, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>CRUSTACEANS:</u>													
Shrimp, pink.....	0	0	0	0	0	924	0	0	0	5372	0	0	6296
TOTAL	0	0	0	0	0	924	0	0	518	5372	0	0	6814
<u>CRAB POT</u>													
<u>CRUSTACEANS:</u>													
Crab, Dungeness, Oc..	76523	34278	28265	9012	10120	13444	10843	13648	0	0	0	260650	456783
TOTAL	76523	34278	28265	9012	10120	13444	10843	13648	0	0	0	260650	456783
<u>CRAB RING</u>													
<u>CRUSTACEANS:</u>													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	105	4391	2320	1945	0	8761
TOTAL	0	0	0	0	0	0	0	105	4391	2320	1945	0	8761
<u>HAND DEVICE</u>													
<u>MOLLUSKS:</u>													
Mussels, ocean.....	1848	3307	5527	3007	2350	2220	870	1090	2188	2230	4825	4252	33714
TOTAL	1848	3307	5527	3007	2350	2220	870	1090	2188	2230	4825	4252	33714
<u>BAITSHRIMP PUMP</u>													
<u>CRUSTACEANS:</u>													
Shrimp, ghost (sand).	0	0	0	0	480	0	0	0	60	0	0	0	540
TOTAL	0	0	0	0	480	0	0	0	60	0	0	0	540
<u>BAITFISH NET</u>													
<u>FISH:</u>													
Herring, Pacific.....	0	0	0	0	130	0	1846	0	0	0	0	0	1976
Smelt.....	0	0	0	0	40	0	0	0	0	0	0	0	40
TOTAL	0	0	0	0	170	0	1846	0	0	0	0	0	2016
TOTAL	78371	37585	33792	12019	101106	199568	309214	174697	194150	144311	25100	264902	1574815

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT COOS BAY, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OCEAN TROLL													
FISH:													
Cabezon.....	0	0	0	0	0	6	27	0	63	32	45	0	173
Halibut, Pacific.....	0	0	0	0	0	277	476	0	0	0	0	0	753
Lingcod.....	0	0	686	173	1992	2259	2842	1158	8597	11977	6021	831	36536
Rockfish, Widow.....	0	0	0	0	0	2	5	69	0	184	0	0	260
Rockfish, Yellowtail.....	0	0	0	0	31	51	0	0	0	0	0	0	82
Rockfish, other spp..	0	0	0	0	7716	4502	14958	6236	17324	15143	2855	455	69189
Salmon, chinook.....	0	0	0	0	94774	128170	653563	671573	121974	10544	302	0	1680900
Salmon, coho.....	0	0	0	0	0	4174	324184	344	0	0	0	0	328702
Sanddab, Pacific.....	0	0	0	0	0	1	0	0	0	0	0	0	1
Shark, other.....	0	0	0	0	0	0	14	0	0	0	0	0	14
Sole, petrale.....	0	0	0	0	4	2	0	0	0	0	0	0	6
Tuna, albacore.....	0	0	0	0	0	0	52319	289533	52484	34575	0	0	428911
Wolf-eel.....	0	0	0	0	0	0	11	0	0	0	0	0	11
TOTAL	0	0	686	173	104517	139444	1048399	968913	200442	72455	9223	1286	2545538
FISH POT													
FISH:													
Sablefish.....	0	0	0	0	0	0	0	0	13798	0	0	0	13798
TOTAL	0	0	0	0	0	0	0	0	13798	0	0	0	13798
FISH JIG													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	0	0	74	0	42	116
Lingcod.....	0	400	0	280	0	69	0	0	564	663	0	3392	5368
Rockfish, other spp..	0	0	0	0	0	398	0	0	570	13	0	90	1071
TOTAL	0	400	0	280	0	467	0	0	1134	750	0	3524	6555
LONGLINE													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	353	152	0	0	0	505
Cod, Pacific.....	0	0	0	0	0	0	0	0	813	0	0	0	813
Flounder, arrowtooth.....	0	0	0	0	0	2	0	0	2	0	0	0	4
Halibut, Pacific.....	0	0	0	0	0	32486	18412	0	0	0	0	0	50898
Lingcod.....	0	0	132	0	0	639	5547	1759	4491	5066	3391	251	21276
Rockfish, Widow.....	0	0	0	0	0	0	0	0	454	660	0	0	1114
Rockfish, Yellowtail.....	0	0	0	0	0	0	0	0	33	0	0	0	33
Rockfish, other spp..	0	0	4736	371	112	4513	13283	18867	59976	13872	0	0	115730
Sablefish.....	0	0	2536	8975	6501	10940	227047	103897	26244	0	0	0	386140
Shark, soupfin.....	0	0	10	0	0	109	6	0	0	0	0	0	125
Shark, spiny dogfish.....	0	0	0	0	0	0	95	0	0	0	0	0	95
Shark, other.....	0	0	0	0	0	354	175	0	0	0	0	0	529
Skates and Rays.....	0	0	0	0	0	437	110	178	909	0	0	0	1634
Sole, petrale.....	0	0	0	0	0	0	362	0	0	0	0	0	362
TOTAL	0	0	7414	9346	6613	49480	265037	125054	93074	19598	3391	251	579258
GROUND FISH OTTER TRAWL													
FISH:													
Cabezon.....	0	0	0	0	0	0	210	0	0	0	0	0	210
Cod, Pacific.....	0	0	0	0	0	0	0	0	76	1625	1642	991	4334
Flounder, arrowtooth.....	1422	1881	3650	4918	17296	8678	7025	6527	252	4056	1188	1479	58372
Flounder, starry.....	0	0	16	0	4186	1507	2236	1313	2607	300	0	43	12208
Hake, Pac. (Whiting).....	0	0	0	32707	12112	0	0	0	0	1364	0	0	46183
Lingcod.....	3407	2457	15225	11177	21047	61811	29871	22515	13268	42443	26889	12694	262804
Prickleback, monkeyface.....	0	0	0	0	0	0	0	18	19	102	130	0	269
Pac. Oc. Perch.....	16118	26512	32989	26119	1711	12326	1916	6408	4016	5737	3960	7054	144866
Nominal POP.....	45121	43319	110227	37895	105288	84992	59293	25533	35655	66237	51997	35775	701332
Rockfish, Widow.....	120172	68364	144815	29675	9772	5411	0	5736	4887	17373	11847	4474	422526
Rockfish, Yellowtail.....	60858	91363	53145	13862	16393	0	0	1919	6125	71975	164140	60072	539852
Rkfish, Sebastolobus.....	92679	75246	104358	26011	43375	56604	33186	21633	12597	61293	59405	90438	676825
Rockfish, other spp..	117881	69572	225992	7264	100371	126431	59693	74689	66781	128925	228881	103798	1380278
Sablefish.....	191080	183328	263491	72019	180641	193373	125296	151058	51901	157537	177920	296061	2043705

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT COOS BAY, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Sanddab, Pacific.....	0	211	1799	662	941	6535	37210	20946	25703	506	194	2094	96801
Shark, soupfin.....	116	0	0	0	0	528	0	0	0	0	199	84	927
Shark, spiny dogfish..	0	0	0	0	0	0	0	15	0	0	13	0	28
Skates and Rays.....	106	377	958	120	3371	1088	1847	1241	775	977	1251	98	12209
Sole, butter.....	0	0	0	0	67	178	229	0	0	0	0	74	548
Sole, curifin(turbot)	0	0	0	0	215	0	3086	247	0	0	0	121	3669
Sole, Dover.....	266006	331384	610402	163652	224576	228407	232572	352932	241273	756276	572410	849112	4829002
Sole, English.....	7070	7486	17083	6306	12353	14212	11991	11181	21140	19323	9249	25549	162943
Sole, petrale.....	138682	66950	53858	4792	5631	9786	10810	6231	5003	16335	70544	290732	679354
Sole, rex.....	11672	6921	8614	546	14571	20849	12818	3831	6450	13913	8488	15299	123972
Sole, rock.....	0	0	0	0	0	0	8633	408	0	0	0	0	9041
Sole, sand.....	0	0	60	0	5741	6953	29952	13969	6288	608	0	23415	86986
Sturgeon, green.....	0	0	0	111	1091	441	70	0	0	0	0	132	1845
Sturgeon, white.....	0	0	0	0	244	0	147	0	0	0	0	0	391
Wolf-eel.....	0	0	0	0	35	0	14	0	21	70	0	0	140
MOLLUSKS:													
Octopus.....	0	0	0	0	12	0	37	4	0	0	0	0	53
TOTAL	1072390	975371	1646682	507836	781040	840110	668142	728354	504837	1366975	1390347	1819589	12301673
<u>MIDWATER TRAWL</u>													
FISH:													
Hake, Pac. (Whiting)..	0	0	0	131118	211870	0	0	0	1000	0	0	0	343988
Rockfish, Widow.....	97659	4931	82758	75855	10062	0	0	29421	4620	0	0	0	305306
Rockfish, Yellowtail..	500	0	0	2097	0	0	0	0	0	0	0	0	2597
Rockfish, other spp..	169	0	0	7716	8	0	0	0	0	0	0	0	7893
Sablefish.....	0	0	0	0	4	0	0	0	0	0	0	0	4
TOTAL	98328	4931	82758	216786	221944	0	0	29421	5620	0	0	0	659788
<u>SHRIMP TRAWL</u>													
FISH:													
Hake, Pac. (Whiting)..	0	0	0	0	0	0	0	0	0	370	0	0	370
Lingcod.....	0	0	0	1874	1996	445	428	328	309	68	0	0	5448
Pac. Oc. Perch.....	0	0	0	0	0	0	0	10	0	0	0	0	10
Nominal POP.....	0	0	0	84	341	0	0	999	0	103	0	0	1527
Rockfish, Widow.....	0	0	0	0	68	435	0	59	0	0	0	0	562
Rockfish, Yellowtail..	0	0	0	11291	12191	12374	5940	1601	1187	9842	0	0	54426
Rkfsh, Sebastolobus..	0	0	0	0	0	0	0	98	0	10	0	0	108
Rockfish, other spp..	0	0	0	15287	20798	19053	24228	19697	33826	37038	0	0	169927
Sablefish.....	0	0	0	2	1290	262	657	2616	2081	693	0	0	7601
Sanddab, Pacific.....	0	0	0	41	0	0	0	0	0	0	0	0	41
Shark, soupfin.....	0	0	0	0	40	32	0	93	0	0	0	0	165
Shark, thresher.....	0	0	0	138	0	0	0	0	0	0	0	0	138
Sole, Dover.....	0	0	0	628	2233	533	2078	5082	3628	8716	0	0	22898
Sole, English.....	0	0	0	59	0	3	0	0	41	0	0	0	103
Sole, petrale.....	0	0	0	95	25	74	0	51	35	5	0	0	285
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	1714661	1251136	1109473	971895	625786	1211809	461726	0	0	7346486
MOLLUSKS:													
Octopus.....	0	0	0	0	48	0	34	0	0	0	0	0	82
TOTAL	0	0	0	1744160	1290166	1142684	1005260	656420	1252916	518571	0	0	7610177
<u>OCEAN GILLNET</u>													
FISH:													
Shark, thresher.....	0	0	0	0	0	0	0	28216	0	0	0	0	28216
TOTAL	0	0	0	0	0	0	0	28216	0	0	0	0	28216
<u>CRAB POT</u>													
FISH:													
Cabezon.....	0	0	0	0	0	0	27	0	0	0	0	0	27
Lingcod.....	0	0	52	0	0	0	0	0	0	0	0	0	52
Wolf-eel.....	0	0	7	0	25	52	159	0	0	0	0	0	243
CRUSTACEANS:													
Crab, Dungeness, Oc..	83433	56892	38006	9897	14553	13998	7734	3972	0	0	0	286313	514798

TABLE 37. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT COOS BAY, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
MOLLUSKS:													
Octopus.....	24	0	0	0	0	0	0	0	0	0	0	0	24
TOTAL	83457	56892	38065	9897	14578	14050	7920	3972	0	0	0	286313	515144
CRAB RING													
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	59	1494	3380	3674	998	9605
TOTAL	0	0	0	0	0	0	0	59	1494	3380	3674	998	9605
CLAM SHOVEL OR RAKE													
MOLLUSKS:													
Clams, butter.....	0	93	498	248	0	30	40	0	0	0	0	100	1009
Clams, cockle.....	0	0	240	0	300	0	0	0	0	0	0	0	540
Clams, gaper.....	0	0	0	0	0	0	0	5	0	0	450	0	455
Clams, softshell.....	0	0	0	190	72	0	0	0	0	0	0	0	262
TOTAL	0	93	738	438	372	30	40	5	0	0	450	100	2266
HAND DEVICE													
MOLLUSKS:													
Clams, butter.....	0	0	261	46	69	96	128	22	12	0	25	0	659
Clams, cockle.....	0	0	67	242	76	0	18	0	0	0	0	0	403
Clams, gaper.....	0	0	0	0	0	0	2859	1546	2707	5164	1509	2279	16064
Clams, littleneck....	0	0	55	30	34	10	24	2	0	0	10	0	165
Mussels, ocean.....	0	0	12	18	570	38	0	0	0	0	0	0	638
TOTAL	0	0	395	336	749	144	3029	1570	2719	5164	1544	2279	17929
BAIT SHRIMP PUMP													
CRUSTACEANS:													
Shrimp, ghost (sand).	0	11	5	132	560	310	286	186	156	285	381	80	2392
Shrimp, mud.....	0	0	0	0	938	686	816	894	1143	1425	1821	1624	9347
TOTAL	0	11	5	132	1498	996	1102	1080	1299	1710	2202	1704	11739
TOTAL	1254175	1037698	1776743	2489384	2421477	2187405	2998929	2543064	2077333	1988603	1410831	2116044	24301686

TABLE 38. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BANDON, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Hake, Pac. (Whiting)	0	0	0	0	0	0	0	349	0	0	0	0	349
Hallbut, Pacific	0	0	0	0	0	158	113	0	0	0	0	0	271
Lingcod	0	0	0	0	22	101	75	20	35	0	0	0	253
Rockfish, other spp.	0	0	0	0	282	2931	2733	6093	3784	55	0	0	15878
Salmon, chinook	0	0	0	0	689	11802	59716	60478	26996	395	0	0	160076
Salmon, coho	0	0	0	0	0	1325	19598	0	0	0	0	0	21023
TOTAL	0	0	0	0	993	16317	82335	66940	30815	450	0	0	197850
<u>FISH POT</u>													
FISH:													
Rockfish, other spp.	0	0	0	0	0	37	16	0	0	0	0	0	53
Sablefish	0	0	0	0	0	19683	424	9318	0	0	0	0	29425
TOTAL	0	0	0	0	0	19720	440	9318	0	0	0	0	29478
<u>FISH JIG</u>													
FISH:													
Rockfish, other spp.	0	0	0	0	0	0	0	0	292	0	0	0	292
TOTAL	0	0	0	0	0	0	0	0	292	0	0	0	292
<u>SHRIMP TRAWL</u>													
FISH:													
Rockfish, other spp.	0	0	0	0	0	0	1435	0	0	0	0	0	1435
CRUSTACEANS:													
Shrimp, pink	0	0	0	0	0	0	28200	0	0	0	0	0	28200
TOTAL	0	0	0	0	0	0	29635	0	0	0	0	0	29635
<u>CLAM SHOVEL OR RAKE</u>													
MOLLUSKS:													
Clams, softshell	0	0	0	0	0	758	795	525	0	0	0	0	2078
TOTAL	0	0	0	0	0	758	795	525	0	0	0	0	2078
TOTAL					993	36795	113205	76783	31107	450			259333

TABLE 39. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PORT ORFORD, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	0	10	23	8	0	41
Halibut, Pacific.....	0	0	0	0	0	26	14	0	0	0	0	0	40
Lingcod.....	0	0	0	0	22	1220	390	813	9980	5030	1249	127	18831
Rockfish, other spp..	0	0	0	0	51	1577	2747	2245	2800	983	410	20	10833
Salmon, chinook.....	0	0	0	0	657	7296	67907	36145	20017	15368	11121	0	158511
Salmon, coho.....	0	0	0	0	0	2528	33033	0	0	0	0	0	35561
Shark, other.....	0	0	0	0	0	18	0	0	0	0	0	0	18
TOTAL	0	0	0	0	730	12665	104091	39203	32807	21404	12788	147	223835
<u>FISH POT</u>													
FISH:													
Lingcod.....	0	0	0	0	0	38	21	23	44	46	0	0	172
Rockfish, other spp..	0	0	0	0	0	79	3	63	20	18	0	0	183
Sablefish.....	0	0	0	20814	22359	61164	38003	58571	14699	3762	0	0	219372
TOTAL	0	0	0	20814	22359	61281	38027	58657	14763	3826	0	0	219727
<u>FISH JIG</u>													
FISH:													
Cabezon.....	0	0	0	0	0	0	0	52	104	59	37	40	292
Lingcod.....	212	399	3282	481	194	822	752	2141	4816	3472	796	1468	18835
Nominal POP.....	0	0	0	16	0	0	0	0	0	0	0	0	16
Rockfish, other spp..	586	549	11244	4749	1234	3838	1388	5104	11048	5989	323	1565	47617
Shark, soupfn.....	0	0	0	0	0	0	0	0	17	0	0	0	17
Wolf-eel.....	0	0	0	0	0	11	0	0	10	0	0	0	21
TOTAL	798	948	14526	5246	1428	4671	2140	7297	15995	9520	1156	3073	66798
<u>LONGLINE</u>													
FISH:													
Cabezon.....	0	0	0	152	205	0	0	95	0	473	1012	396	2333
Flounder, arrowtooth.	0	0	0	0	0	0	11	0	0	0	0	0	11
Halibut, Pacific.....	0	0	0	0	0	18520	17701	0	0	0	0	0	36221
Lingcod.....	1578	1424	9410	2121	1974	2863	806	398	264	2366	6306	2284	31794
Rockfish, other spp..	2819	3063	16969	8662	9636	10567	10694	5837	7840	5106	8523	3826	93542
Sablefish.....	0	0	18557	55875	69994	79516	100007	134223	74972	79259	0	0	612403
Shark, soupfn.....	106	61	0	0	0	0	0	0	0	0	178	58	403
Shark, other.....	0	0	0	0	0	0	0	0	0	0	0	59	59
Skates and Rays.....	0	56	0	0	0	0	0	0	0	0	151	0	207
Wolf-eel.....	0	0	0	31	96	115	15	11	0	53	37	0	358
MOLLUSKS:													
Octopus.....	0	0	65	0	16	0	0	0	0	52	0	6	139
TOTAL	4503	4604	45001	66841	81921	111581	129234	140564	83076	87309	16207	6629	777470
<u>SHRIMP TRAWL</u>													
FISH:													
Rockfish, Widow.....	0	0	0	0	0	0	0	267	0	0	0	0	267
Rockfish, other spp..	0	0	0	0	1282	0	2192	713	2930	0	0	0	7117
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	0	11415	22335	25126	17718	16335	0	0	0	92929
TOTAL	0	0	0	0	12697	22335	27318	18698	19265	0	0	0	100313
<u>CRAB POT</u>													
FISH:													
Lingcod.....	0	0	0	14	0	0	0	0	0	0	0	47	61
Rockfish, other spp..	0	0	0	53	0	0	0	0	0	0	0	13	66
Wolf-eel.....	0	0	0	176	207	385	46	17	0	0	0	68	899
CRUSTACEANS:													
Crab, Dungeness, Oc..	21877	15933	13339	1141	7071	4749	1803	1674	0	0	0	67223	134810
MOLLUSKS:													
Octopus.....	118	0	76	93	0	0	0	0	0	0	0	294	581
TOTAL	21995	15933	13415	1477	7278	5134	1849	1691	0	0	0	67645	136417

TABLE 39. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT PORT ORFORD, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>HAND DEVICE</u>													
OTHER INVERTEBRATES:													
Sea urchin.....	0	0	0	0	0	17316	2741	12034	3163	7533	11157	1876	55820
TOTAL	0	0	0	0	0	17316	2741	12034	3163	7533	11157	1876	55820
TOTAL	27296	21485	72942	94378	126413	234983	305400	278144	169069	129592	41308	79370	1580380

TABLE 40. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT GOLD BEACH, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
<u>OCEAN TROLL</u>													
FISH:													
Lingcod.....	0	0	0	0	0	54	96	418	24	0	0	0	592
Nominal POP.....	0	0	0	0	0	0	0	6	0	0	0	0	6
Rockfish, other spp..	0	0	0	0	0	515	112	1165	396	25	0	0	2213
Salmon, chinook.....	0	0	0	0	60	3728	4747	26992	349	340	21	0	36237
Salmon, coho.....	0	0	0	0	0	1804	2129	0	0	0	0	0	3933
Shark, other.....	0	0	0	0	0	0	0	55	0	0	0	0	55
Tuna, albacore.....	0	0	0	0	0	0	0	0	8	0	0	0	8
TOTAL	0	0	0	0	60	6101	7084	28636	777	365	21	0	43044
<u>FISH POT</u>													
FISH:													
Sablefish.....	0	0	0	0	0	14999	10908	0	0	0	0	0	25907
TOTAL	0	0	0	0	0	14999	10908	0	0	0	0	0	25907
<u>FISH JIG</u>													
FISH:													
Lingcod.....	0	0	0	0	57	613	1190	550	905	601	1072	0	4988
Rockfish, other spp..	0	0	0	0	2124	5571	5496	437	2465	133	785	43	17054
Wolf-eel.....	0	0	0	0	0	6	0	0	0	0	0	0	6
TOTAL	0	0	0	0	2181	6190	6686	987	3370	734	1857	43	22048
<u>LONGLINE</u>													
FISH:													
Lingcod.....	0	0	0	0	0	0	0	71	0	0	0	0	71
Rockfish, other spp..	0	0	0	0	0	0	528	521	0	0	0	0	1049
Sablefish.....	0	0	0	0	0	0	1265	1391	0	0	0	0	2656
TOTAL	0	0	0	0	0	0	1793	1983	0	0	0	0	3776
<u>CRAB POT</u>													
CRUSTACEANS:													
Crab, Dungeness, Oc..	0	0	0	0	0	0	0	274	0	0	0	0	274
TOTAL	0	0	0	0	0	0	0	274	0	0	0	0	274
TOTAL					2241	27290	26471	31880	4147	1099	1878	43	95049

TABLE 41. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BROOKINGS, 1986.

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
OCEAN TROLL													
FISH:													
Flounder, starry.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Hallbut, Pacific.....	0	0	0	0	0	72	0	0	0	0	0	0	72
Lingcod.....	0	0	0	0	190	220	60	410	54	0	0	0	934
Rockfish, other spp..	0	0	0	0	321	1060	538	765	297	0	0	0	2981
Salmon, chinook.....	0	0	0	0	35351	125309	49129	106469	4655	131	0	0	321044
Salmon, coho.....	0	0	0	0	0	50060	26159	0	0	0	0	0	76219
Tuna, albacore.....	0	0	0	0	0	0	0	59946	0	3154	1075	0	64175
TOTAL	0	0	0	0	35862	176723	75886	167590	5006	3285	1075	0	465427
FISH JIG													
FISH:													
Lingcod.....	0	73	463	205	143	46	202	204	143	322	208	81	2090
Rockfish, other spp..	0	13	7789	4579	3029	2924	4360	6760	4518	4654	1846	718	41190
Smelt.....	0	0	0	98	0	0	0	0	0	0	0	0	98
Surfperch.....	0	0	463	1776	16	0	11	0	0	0	18	0	2284
TOTAL	0	86	8715	6658	3188	2970	4573	6964	4661	4976	2072	799	45662
LONGLINE													
FISH:													
Flounder, arrowtooth.	0	0	0	0	0	5	0	70	0	0	0	0	75
Hallbut, Pacific.....	0	0	0	0	0	4277	1276	0	0	0	0	0	5553
Lingcod.....	293	385	387	36	416	970	231	296	178	0	0	76	3268
Nominal POP.....	0	0	0	0	0	0	96	0	0	0	0	0	96
Rkfsh, Sebastolobus..	0	0	0	0	0	0	0	165	361	158	0	0	684
Rockfish, other spp..	658	952	1375	645	685	4138	6867	6615	1983	735	1686	238	26577
Sablefish.....	0	4930	19797	5983	22029	36434	31429	74878	30256	36759	0	0	262495
Shark, other.....	0	0	0	0	0	0	23	0	0	0	0	0	23
Skates and Rays.....	0	0	0	0	0	204	39	808	0	0	0	0	1051
Sole, petrale.....	0	0	0	0	0	6	0	0	0	0	0	0	6
TOTAL	951	6267	21559	6664	23130	46034	39961	82832	32778	37652	1686	314	299828
GROUND FISH OTTER TRAWL													
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	95	0	95
Flounder, arrowtooth.	6	160	1900	170	1853	215	965	1039	375	1372	1170	1727	10952
Flounder, starry.....	0	0	0	0	25	0	0	0	0	105	25	0	155
Lingcod.....	699	490	3909	479	11073	22078	190	12592	4321	2819	4749	190	63589
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	0	120	0	120
Nominal POP.....	956	1105	2305	454	8062	9652	110	4161	699	1493	4374	2516	35887
Rockfish, Widow.....	19135	5965	0	0	2985	516	65	0	3805	860	280	2	33613
Rockfish, Yellowtail.	8525	1940	0	0	4860	0	0	0	0	2235	115	0	17675
Rkfsh, Sebastolobus..	12484	9890	62152	3719	6580	5295	2590	2911	3860	14330	15500	21042	160353
Rockfish, other spp..	2845	2980	1595	1650	26282	15593	1230	19664	8239	5613	7278	245	93214
Sablefish.....	13535	18310	48757	7913	41630	14143	50201	14943	12846	28811	46847	30975	328911
Sanddab, Pacific.....	0	135	270	1460	191	0	0	0	0	97	45	0	2198
Shark, soupfin.....	0	0	0	0	22	0	0	0	0	0	55	0	77
Skates and Rays.....	0	0	0	0	0	0	0	581	0	0	0	0	581
Sole, Dover.....	31160	30854	227079	21885	85631	8726	10501	53884	24234	66957	143155	64416	768482
Sole, English.....	60	1810	5098	5083	6130	35	65	2967	1204	3153	4254	55	29914
Sole, petrale.....	1198	824	1640	323	895	82	0	714	155	1342	3980	3651	14804
Sole, rex.....	1411	2755	4226	1478	7145	757	1390	683	195	1984	3958	2682	28664
Sole, sand.....	0	130	150	0	111	0	0	0	0	798	45	0	1254
MOLLUSKS:													
Octopus.....	0	60	0	0	72	0	0	0	34	160	0	0	326
TOTAL	92014	77408	359081	44614	203547	77092	67307	114139	59967	132129	236045	127501	1590844
MIDWATER TRAWL													
FISH:													
Lingcod.....	0	0	0	0	70	887	30	0	0	0	0	0	987
Rockfish, Widow.....	0	0	32555	105345	105375	102184	67915	103275	43885	0	0	0	560534
Rockfish, Yellowtail.	0	0	0	65	190	4815	2205	0	0	0	0	0	7275

TABLE 41. MONTHLY LANDINGS (POUNDS ROUND) OF COMMERCIAL FISH AND SHELLFISH BY GEAR AT BROOKINGS, 1986. (CONT.)

GEAR/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Rockfish, other spp..	0	0	0	0	0	38	0	0	10	0	0	0	48
TOTAL	0	0	32555	105410	105635	107924	70150	103275	43895	0	0	0	568844
SHRIMP TRAWL													
FISH:													
Hake, Pac. (Whiting).	0	0	0	0	0	0	0	1361	0	0	0	0	1361
Lingcod.....	0	0	0	0	0	2100	489	2851	0	0	0	0	5440
Nominal POP.....	0	0	0	35	375	525	67	125	0	0	0	0	1127
Rockfish, Yellowtail.	0	0	0	0	0	0	0	1221	0	0	0	0	1221
Rockfish, other spp..	0	0	0	219	38	3035	1786	5457	561	2378	0	0	13474
Sablefish.....	0	0	0	0	0	82	0	27	7	0	0	0	116
Sanddab, Pacific.....	0	0	0	0	0	0	0	0	0	45	0	0	45
Shark, soupfin.....	0	0	0	0	0	20	0	20	0	0	0	0	40
Skates and Rays.....	0	0	0	0	25	0	0	0	0	0	0	0	25
Smelt.....	0	0	0	170	0	0	0	0	0	0	0	0	170
Sole, Dover.....	0	0	0	0	0	0	129	237	550	20	0	0	936
Sole, English.....	0	0	0	0	0	0	0	0	4	5	0	0	9
Sole, petrale.....	0	0	0	0	0	0	41	0	0	0	0	0	41
Sole, sand.....	0	0	0	0	0	0	0	0	0	2	0	0	2
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	26458	56242	318092	214218	460016	102129	241282	0	0	1418437
MOLLUSKS:													
Octopus.....	0	0	0	0	0	97	134	95	0	0	0	0	326
TOTAL	0	0	0	26882	56680	323951	216864	471410	103251	243732	0	0	1442770
CRAB POT													
CRUSTACEANS:													
Crab, Dungeness, Oc..	35131	9398	8580	7151	3950	6361	584	497	0	0	0	653440	725092
MOLLUSKS:													
Octopus.....	704	0	165	0	0	0	0	0	0	0	0	1527	2396
TOTAL	35835	9398	8745	7151	3950	6361	584	497	0	0	0	654967	727488
BAITFISH NET													
FISH:													
Smelt.....	462	5534	6652	14719	243	0	0	0	0	0	0	0	27610
Surfperch.....	0	0	7	22	0	0	0	0	0	0	0	0	29
TOTAL	462	5534	6659	14741	243	0	0	0	0	0	0	0	27639
TOTAL	129262	98693	437314	212120	432235	741055	475325	946707	249558	421774	240878	783581	5168502

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1986.

SPECIES	COLUMBIA RIVER 1/	ASTORIA	TILLAMOOK	PACIFIC CITY	DEPOE BAY	NEWPORT	FLORENCE	WINCHESTER BAY	COOS BAY	BANDON	PORT ORFORD	GOLD BEACH	BROOKINGS	OTHER 2/ LOCATIONS	TOTAL
FISH:															
Cabezon.....	0	0	0	224	1238	54	0	0	220	0	535	0	0	0	2271
Cod, Pacific.....	0	15458	710	0	0	299	0	0	1746	0	0	0	29	0	18242
Flounder, arrowtooth.....	0	88114	1322	0	8	16449	0	245	5899	0	1	0	1220	0	113258
Flounder, starry.....	183	52776	1064	0	0	4582	4	0	4166	0	0	0	56	0	62851
Hake, Pac. (Whiting).....	0	7960	0	0	0	28057	473	90	22957	18	0	0	68	0	59623
Halibut, Pacific.....	0	1417802	2794	1266	5844	299525	1119	16209	66026	377	50938	0	7605	0	1869505
Herring, Pacific.....	0	0	0	0	0	93741	0	658	0	0	0	0	0	0	94399
Lamprey, Pacific.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1659	1659
Lingcod.....	0	142231	8201	9550	15886	103586	689	676	102230	72	35243	2837	21693	129	443023
Mackerel.....	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Opah.....	0	36	0	0	0	0	0	0	0	0	0	0	0	0	36
Pollock, walleye.....	0	61	0	0	0	0	0	0	0	0	0	0	0	0	61
Prickleback, monkeyface.....	0	20	7	0	0	11	0	17	49	0	0	0	0	0	104
Pac. Oc. Perch.....	0	222549	12183	0	0	109286	0	0	40168	0	0	0	37	0	384223
Nominal POP.....	0	84516	10196	0	0	266071	0	1298	176787	0	5	3	8751	0	549627
Rockfish, Widow.....	0	799156	1711	0	21	1430490	0	61	177826	0	67	0	163387	0	2572719
Rockfish, Yellowtail.....	0	806491	0	0	2	46244	0	0	172664	0	0	0	7288	0	1052689
Rkfish, Sebastolobus..	0	75447	3459	0	15	78865	0	320	191477	0	0	0	4571	0	395194
Rockfish, other spp.....	0	857088	74282	26338	42980	662472	4990	3200	518953	4492	65491	6612	57945	119	2324862
Sablefish.....	0	518943	26442	0	84072	1255689	185534	223605	737953	9829	353538	12091	192375	0	3600071
Salmon, chinook.....	2286122	126327	185561	29209	43223	1349711	305096	434095	2479026	234387	230144	53547	504642	3388	8264478
Salmon, chum.....	1925	0	0	941	28	96	0	0	0	0	0	0	0	24	3014
Salmon, coh.....	4728360	64164	163399	268181	127626	778373	51738	42622	294979	18273	31473	3811	77746	57990	6708735
Salmon, pink.....	0	0	0	0	2	3	0	0	0	0	0	0	0	1	6
Salmon, sockeye.....	16447	0	0	0	0	0	0	0	0	0	0	0	0	0	16447
Sanddab, Pacific.....	0	58829	14	0	0	10287	7760	71	32307	0	0	0	783	0	110051
Shad, American.....	64600	0	0	0	0	0	779	1396	0	0	0	0	0	0	66775
Shark, soupfin.....	0	2412	13	0	0	1335	0	0	929	0	317	0	123	0	5129
Shark, spiny dogfish.....	0	0	0	0	0	25	0	0	79	0	0	0	0	0	104
Shark, thresher.....	0	502648	0	0	0	66339	0	0	16083	0	0	0	0	0	585070
Shark, other.....	0	304	0	25	0	154	0	0	309	0	68	39	12	0	911
Skates and Rays.....	0	295	4	0	0	899	0	702	3633	0	44	0	414	0	5991
Smelt.....	1633	0	0	0	0	0	0	10	0	0	0	0	7287	0	8930
Sole, butter.....	0	0	0	0	0	102	0	0	114	0	0	0	0	0	216
Sole, curifin(turbot)	0	0	0	0	0	325	0	0	1310	0	0	0	0	0	1635
Sole, Dover.....	0	1033415	59940	0	38	218858	2388	11616	1295150	0	0	0	205009	0	2826414
Sole, English.....	0	316744	8775	0	0	42946	1628	108	58533	0	0	0	10945	0	439679
Sole, flathead.....	0	1146	831	0	0	0	0	0	0	0	0	0	0	0	1977
Sole, petrale.....	0	424654	69692	0	0	164098	1674	1161	525432	0	0	0	11357	0	1198068
Sole, rex.....	0	146931	4931	0	0	18320	23	1035	44066	0	0	0	10541	0	225847
Sole, rock.....	0	16	0	0	0	1322	0	0	3117	0	0	0	0	0	4455
Sole, sand.....	0	240194	4190	0	0	42961	608	0	57704	0	0	0	824	0	346481
Steelhead.....	199113	0	0	0	0	0	0	0	0	0	0	0	0	0	199113
Sturgeon, green.....	41127	1496	0	0	0	335	0	0	1063	0	0	0	0	0	44021
Sturgeon, white.....	766810	4231	26	0	0	65	0	0	237	0	0	0	0	0	771369
Surfperch.....	0	27	0	0	2	539	0	0	0	0	0	0	1609	0	2177
Tuna, albacore.....	0	355122	0	0	3026	254450	5641	39640	228339	0	0	8	33537	0	919763
Tuna, other.....	0	125	0	0	0	0	0	0	0	0	0	0	0	0	125
Wolf-eel.....	0	1023	4	39	108	404	0	0	52	0	134	1	0	0	1765
Miscellaneous.....	189	2440	0	0	0	36	0	0	0	0	0	0	0	0	2665
CRUSTACEANS:															
Crab, box.....	0	0	0	0	0	1530	0	0	0	0	0	0	0	0	1530
Crab, Dungeness, Bay.....	0	0	0	0	0	2690	369	14206	14471	0	0	0	0	16119	47855
Crab, Dungeness, Oc.....	0	1233703	425458	862	121527	2014013	148183	685871	758817	0	202766	411	948985	21	6540617
Crab, rock.....	0	0	0	0	0	1806	0	0	0	0	0	0	0	0	1806
Crayfish.....	0	0	0	0	0	0	0	0	0	0	0	0	0	225533	225533
Shrimp, brine.....	0	0	0	0	0	0	0	0	0	0	0	0	0	22395	22395
Shrimp, ghost (sand).....	0	0	57212	15243	0	3	3078	460	3981	0	0	0	0	0	71578
Shrimp, mud.....	0	0	103666	0	0	0	0	0	42641	0	0	0	0	39504	185811
Shrimp, pink.....	0	6798299	2337077	0	0	4147014	0	4445	3934403	1241	51234	0	830849	0	18104562
MOLLUSKS:															
Clams, butter.....	0	0	468	0	0	0	0	0	676	0	0	0	0	224	1368

TABLE 42. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF COMMERCIAL FISH AND SHELLFISH LANDINGS BY PORT IN OREGON, 1986. (CONT.)

SPECIES	COLUMBIA RIVER 1/	ASTORIA	TILLAMOOK	PACIFIC CITY	DEPOE BAY	NEWPORT	FLORENCE	WINCHESTER BAY	COOS BAY	BANDON	PORT ORFORD	GOLD BEACH	BROOKINGS	OTHER 2/ LOCATIONS	TOTAL
Clams, cockle.....	0	0	10308	0	0	1	0	0	185	0	0	0	0	2345	12839
Clams, gaper.....	0	0	0	0	0	0	0	0	3487	0	0	0	0	0	3487
Clams, littleneck....	0	0	2676	0	0	0	0	0	34	0	0	0	0	25642	28352
Clams, razor.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6058	6058
Clams, softshell.....	0	0	12	0	0	0	904	0	197	1559	0	0	0	0	2672
Mussels, ocean.....	0	1781	154	0	145	0	466	30542	149	0	0	0	0	140	33377
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	0	0	0	0	666	666
Octopus.....	0	1717	56	11	350	1006	0	0	95	0	357	0	2269	0	5861
Scallop, weather vane.	0	0	0	0	0	47588	0	0	0	0	0	0	0	0	47588
Squid.....	0	0	31	0	0	2653	0	0	0	0	0	0	0	0	2684
OTHER INVERTEBRATES:															
Sea urchin.....	0	0	0	0	0	0	0	0	0	0	14707	0	0	0	14707
TOTAL	8106509	16406691	3576869	351889	446141	13567709	723144	1514359	12020719	270248	1037062	79360	3152957	473535	61727192

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 FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	46	32	217	179	141	265	208	253	200	226	267	237	2271
Cod, Pacific.....	0	81	72	929	2702	4069	3769	1714	1336	1701	783	1086	18242
Flounder, arrowtooth.....	2120	6833	7013	5087	15633	9015	18915	19598	13571	6670	5023	3780	113258
Flounder, starry.....	49	146	742	2457	7271	10397	15670	12278	7831	5446	531	13	62831
Hake, Pac. (Whiting).....	0	94	0	9499	22348	4017	4661	9228	54	9716	6	0	59623
Hallbut, Pacific.....	0	0	0	0	373321	555646	565584	109	374845	0	0	0	1869505
Herring, Pacific.....	0	62132	874	0	30693	71	629	0	0	0	0	0	94399
Lamprey, Pacific.....	0	0	0	0	0	1274	385	0	0	0	0	0	1659
Lingcod.....	8350	7083	23590	28709	44106	51745	51409	46272	66941	55446	28828	30544	443023
Mackerel.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Opah.....	0	0	0	0	0	0	0	36	0	0	0	0	36
Pollock, walleye.....	0	0	0	0	0	61	0	0	0	0	0	0	61
Prickleback, monkeyface.....	0	0	2	0	0	0	7	2	18	42	32	1	104
Pac. Oc. Perch.....	27548	41168	36174	27704	41435	45603	47408	30974	23184	21902	15797	25326	384223
Nominal POP.....	74272	26592	66600	44158	42061	57485	59915	29305	24532	33273	37577	53857	549627
Rockfish, Widow.....	593778	441609	458116	243561	144509	90922	158988	200241	209202	14393	7424	9976	2572719
Rockfish, Yellowtail.....	48899	77796	95669	41829	86233	102421	124209	98205	109611	88073	78509	81235	1032689
Rkfsh, Sebastolobus.....	33481	27414	63609	27299	37246	30343	24808	17700	12766	29915	34749	55824	395154
Rockfish, other spp.....	92098	117413	206757	135495	313206	246254	229743	244584	243815	210303	125949	159345	2324962
Sablefish.....	107309	153250	191682	149891	332373	416499	644999	585288	438010	308715	109204	162851	3600071
Salmon, chinook.....	1796	102990	232388	0	748748	920557	1859179	1736572	2131800	503200	27248	0	8264478
Salmon, chum.....	0	0	0	0	25	0	1040	24	0	966	959	0	3014
Salmon, coho.....	0	1	0	0	0	65024	1715187	202620	1599828	2407893	718182	0	6708735
Salmon, pink.....	0	0	0	0	0	0	5	1	0	0	0	0	6
Salmon, sockeye.....	0	0	0	0	0	16447	0	0	0	0	0	0	16447
Sanddab, Pacific.....	40	1629	7190	7838	22568	6111	15054	20802	16705	8864	1539	1711	110051
Shad, American.....	0	0	0	0	13497	53272	6	0	0	0	0	0	66775
Shark, soupfin.....	520	271	207	0	91	1514	919	430	203	173	425	376	5129
Shark, spiny dogfish.....	0	0	0	0	13	0	74	2	0	0	10	5	104
Shark, thresher.....	0	0	26	52	0	0	111454	472325	1213	0	0	0	585070
Shark, other.....	0	0	43	0	0	261	230	318	0	0	0	59	911
Skates and Rays.....	27	299	339	203	1044	442	591	708	813	443	801	281	5991
Smelt.....	1112	1941	1845	3961	71	0	0	0	0	0	0	0	8930
Sole, butter.....	0	0	0	0	14	37	88	61	0	0	0	0	216
Sole, curlfin (turbot).....	0	0	0	0	76	0	1101	87	235	90	0	0	1635
Sole, Dover.....	110466	167145	365872	204045	208552	128937	206206	220941	156772	304460	285208	467810	2826414
Sole, English.....	3782	6752	16590	15385	46574	33621	75037	96876	74421	44193	10910	15538	439679
Sole, flathead.....	174	0	0	33	70	101	84	688	300	742	0	85	1977
Sole, petrale.....	160677	151517	100838	14266	39383	25054	57089	74412	65391	60354	77072	372015	1198068
Sole, rex.....	7720	9760	16522	6727	30764	26360	33286	20986	22833	28061	11138	11690	225847
Sole, rock.....	0	0	0	0	0	15	3600	723	99	18	0	0	4455
Sole, sand.....	205	913	4432	17259	47529	27209	75602	78694	29269	30771	11565	23033	346481
Steelhead.....	0	8508	11905	0	0	5636	0	36227	129142	7895	0	0	199113
Sturgeon, green.....	20	66	193	271	1382	464	21988	17098	2022	395	82	40	44021
Sturgeon, white.....	18290	93743	71875	22357	3698	6330	108512	187886	181952	47450	19979	9297	771369
Surfperch.....	0	0	243	1336	60	179	313	4	27	0	15	0	2177
Tuna, albacore.....	0	0	0	0	0	0	34725	499595	332401	46827	6215	0	919763
Tuna, other.....	0	0	0	0	0	0	0	89	33	3	0	0	125
Wolf-eel.....	0	16	36	61	104	544	433	349	87	92	6	37	1765
Miscellaneous.....	0	0	0	824	593	157	1	1087	0	0	0	3	2665
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	0	0	0	0	0	1530	1530
Crab, Dungeness, Bay.....	0	0	0	0	0	314	228	1227	13198	17949	13467	0	47855
Crab, Dungeness, Oc.....	1174205	714914	451823	159012	176077	177705	99865	61194	0	0	0	3525822	6540617
Crab, rock.....	0	0	0	0	389	899	0	82	29	165	9	233	1806
Crayfish.....	0	0	0	13683	17692	42503	56797	42388	37969	14501	0	0	225533
Shrimp, brine.....	0	0	0	0	0	16500	1245	4650	0	0	0	0	22395
Shrimp, ghost (sand).....	2340	3783	4808	10159	20034	16327	15526	22994	17849	19690	10280	7765	151555
Shrimp, mud.....	20426	29876	42432	24643	4464	4448	4088	5976	7736	11442	12330	17950	185811
Shrimp, pink.....	0	0	0	2361431	3639302	2820746	2107577	2503662	2478601	2193243	0	0	18104562
MOLLUSKS:													
Clams, butter.....	167	43	287	177	189	239	202	10	2	0	5	47	1368

TABLE 43. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS IN OREGON, 1986. (CONT.)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Clams, cockle.....	826	1848	2049	1682	1507	758	948	540	0	0	2517	164	12839
Clams, gaper.....	0	0	0	0	0	0	573	309	613	1144	392	456	3487
Clams, Littleneck....	1526	904	2345	2272	2739	3760	5062	3781	2472	1713	858	920	28352
Clams, razor.....	135	1385	1071	1666	877	414	184	0	63	68	70	125	6028
Clams, softshell.....	12	4	210	503	204	569	596	394	180	0	0	0	2672
Mussels, ocean.....	1913	3088	5406	3081	2610	2307	1241	1147	1982	2225	4420	3957	33377
Mussels, freshwater..	0	0	0	0	0	0	0	0	0	666	0	0	666
Octopus.....	735	338	306	102	280	367	475	295	273	686	94	1910	5861
Scallop, weather vane.	0	7222	40321	0	0	0	0	0	0	45	0	0	47588
Squid.....	0	0	19	25	2609	0	0	0	0	0	9	22	2684
OTHER INVERTEBRATES:													
Sea urchin.....	0	0	0	0	0	2597	411	1804	475	6813	2231	376	14707
TOTAL	2495064	2270399	2532738	3589851	6527107	6034812	8568130	7615845	8832904	6548761	1662715	5048866	61727192

TABLE 44. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS FROM THE COLUMBIA RIVER, 1986. 1/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BELOW BONNEVILLE DAM													
FISH:													
Flounder, starry.....	0	0	104	0	0	0	0	30	48	1	0	0	183
Salmon, chinook.....	1796	102984	229417	0	0	62	986	29820	986262	141431	2692	0	1495450
Salmon, chum.....	0	0	0	0	0	0	0	0	0	966	959	0	1925
Salmon, coho.....	0	0	0	0	0	0	0	1917	1564991	2407288	718182	0	4692378
Salmon, sockeye.....	0	0	0	0	0	4197	0	0	0	0	0	0	4197
Shad, American.....	0	0	0	0	12369	52210	0	0	0	0	0	0	64579
Smelt.....	974	579	80	0	0	0	0	0	0	0	0	0	1633
Sturgeon, green.....	0	11	80	0	0	83	21791	16928	1931	259	44	0	41127
Sturgeon, white.....	18290	37098	22047	0	0	78	72790	104593	58106	28382	9375	0	350759
Miscellaneous.....	0	0	0	0	51	138	0	0	0	0	0	0	189
TOTAL	21060	140672	251728	0	12420	56768	95567	153288	2611338	2578327	731252	0	6652420
ABOVE BONNEVILLE DAM													
FISH:													
Salmon, chinook.....	0	6	2971	0	0	5377	0	88189	682258	11871	0	0	790672
Salmon, coho.....	0	1	0	0	0	0	0	559	34837	605	0	0	35982
Salmon, sockeye.....	0	0	0	0	0	12250	0	0	0	0	0	0	12250
Shad, American.....	0	0	0	0	0	21	0	0	0	0	0	0	21
Steelhead.....	0	8308	11905	0	0	5636	0	36227	129142	7895	0	0	199113
Sturgeon, white.....	0	56645	49828	22357	0	6139	35456	83024	123633	19068	10604	9297	416051
TOTAL	0	64960	64704	22357	0	29423	35456	207979	969870	39439	10604	9297	1454089
TOTAL	21060	205632	316432	22357	12420	86191	131023	361267	3581208	2617766	741856	9297	8106509

1/ OREGON LANDINGS ONLY.

TABLE 45. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT ASTORIA, 1986. 1/ 2/

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	81	72	929	2640	4049	3724	1714	753	1171	88	237	15458
Flounder, arrowtooth.	1309	6171	3252	3646	11880	6523	15694	14913	11903	5177	4396	3250	88114
Flounder, starry.....	49	107	504	2221	5777	9868	13996	9686	5870	4397	301	0	52776
Hake, Pac. (Whiting).	0	0	0	0	275	4016	2561	919	0	189	0	0	7960
Hallbut, Pacific.....	0	0	0	0	373303	280396	389258	0	374845	0	0	0	1417802
Lingcod.....	1720	1313	5214	3935	10872	17375	27033	23846	30740	16121	1359	2703	142231
Opah.....	0	0	0	0	0	0	0	36	0	0	0	0	36
Pollock, walleye.....	0	0	0	0	0	61	0	0	0	0	0	0	61
Prickleback, monkeyface	0	0	0	0	0	0	0	0	16	4	0	0	20
Pac. Oc. Perch.....	8064	21372	14524	7872	32529	31391	35793	24667	17675	12042	6726	9894	222549
NonInal POP.....	7741	7304	8904	1694	6399	14364	11702	11853	9562	2247	891	1855	84516
Rockfish, widow.....	110812	103220	69844	42489	59391	58287	138344	120948	89418	5295	177	931	799156
Rockfish, yellowtail.	21204	42841	72259	34056	71359	95844	119620	95960	105955	62395	27606	57392	806491
Rkfish, Sebastolobus..	3062	1038	8112	10437	14347	5144	7572	4878	4918	3877	6452	5610	75447
Rockfish, other spp..	16860	34119	30499	44157	125964	106077	130370	126196	85546	78391	17497	61412	857088
Sablefish.....	6552	11813	22035	22403	63435	44022	103942	137146	40347	17832	21923	27493	518943
Salmon, chinook.....	0	0	0	0	97210	871	11109	9271	4832	3034	0	0	126327
Salmon, coho.....	0	0	0	0	0	0	1736	62428	0	0	0	0	64164
Sanddab, Pacific.....	40	1381	3484	4681	22210	3832	1598	5387	6998	7471	1023	724	58829
Shark, soupfin.....	179	196	61	0	39	398	787	345	77	68	35	227	2412
Shark, thresher.....	0	0	0	0	0	0	111118	390884	646	0	0	0	502648
Shark, other.....	0	0	43	0	0	0	59	202	0	0	0	0	304
Skates and Rays.....	0	199	46	19	31	0	0	0	0	0	0	0	295
Sole, Dover.....	29359	66805	113618	134736	104722	50967	121433	84006	69902	51802	59916	146149	1033415
Sole, English.....	678	2393	6874	9836	38445	28209	63649	84441	56648	20828	3440	1303	316744
Sole, flathead.....	174	0	0	33	70	9	11	237	285	327	0	0	1146
Sole, petrale.....	27709	84465	43984	6333	32395	17514	20090	51303	25180	23975	9667	82039	424654
Sole, rex.....	1840	5701	9156	4427	20181	16884	26354	17221	18700	18498	4649	3320	146931
Sole, rock.....	0	0	0	0	0	15	0	1	0	0	0	0	16
Sole, sand.....	205	733	4088	16531	43699	22690	35957	52881	21379	25887	10445	5699	240194
Sturgeon, green.....	20	9	0	94	718	161	115	154	91	99	31	4	1496
Sturgeon, white.....	0	0	0	0	3617	113	45	269	187	0	0	0	4231
Surfperch.....	0	0	0	0	0	0	0	0	27	0	0	0	27
Tuna, albacore.....	0	0	0	0	0	0	0	156488	190595	8039	0	0	355122
Tuna, other.....	0	0	0	0	0	0	0	89	33	3	0	0	125
Wolf-eel.....	0	0	0	6	34	452	300	180	49	2	0	0	1023
Miscellaneous.....	0	0	0	824	532	0	0	1084	0	0	0	0	2440
CRUSTACEANS:													
Crab, Dungeness, Oc..	223517	153995	85024	34670	26477	25969	11368	9003	0	0	0	663680	1233703
Shrimp, pink.....	0	0	0	460229	1707724	1169452	841313	1171578	766829	681174	0	0	6798299
MOLLUSKS:													
Mussels, ocean.....	239	92	386	328	299	278	0	159	0	0	0	0	1781
Octopus.....	28	0	13	0	163	241	270	199	189	511	74	29	1717
TOTAL	461361	545348	501996	846586	2876737	2015472	2246921	2670572	1940195	1050856	176696	1073951	16406691

1/ OCEAN LANDINGS ONLY; SEE TABLE 44 FOR COLUMBIA RIVER LANDINGS.
2/ INCLUDES LANDINGS AT WARRENTON AND HAMMOND.

TABLE 45A. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SEASIDE/GEARHART, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	0	0	0	129	0	0	0	0	129
Rockfish, other spp..	0	0	0	0	0	0	0	119	0	0	0	0	119
Salmon, chinook.....	0	0	0	0	0	0	0	2431	0	0	0	0	2431
Salmon, coho.....	0	0	0	0	0	0	215	51880	0	0	0	0	52095
Salmon, pink.....	0	0	0	0	0	0	0	1	0	0	0	0	1
MOLLUSKS:													
Clams, razor.....	135	1385	1071	1666	877	414	184	0	63	68	70	125	6058
TOTAL	135	1385	1071	1666	877	414	399	54560	63	68	70	125	60833

TABLE 45B. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT CANNON BEACH, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Salmon, chinook.....	0	0	0	0	0	0	63	894	0	0	0	0	957
Salmon, chum.....	0	0	0	0	0	0	0	24	0	0	0	0	24
Salmon, coho.....	0	0	0	0	0	0	1341	4554	0	0	0	0	5895
TOTAL							1404	5472					6876

TABLE 46. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEHALEM BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	30	83	61	32	50	0	256
Shrimp, ghost (sand).	0	253	23	258	1501	1460	1636	689	554	1135	429	469	8407
MOLLUSKS:													
Clams, butter.....	0	0	0	0	76	127	21	0	0	0	0	0	224
Clams, cockle.....	0	0	70	16	45	49	189	48	0	0	1749	0	2166
Clams, littleneck....	1069	653	2127	2257	2732	3544	4818	3336	2472	1713	856	65	25642
Mussels, ocean.....	0	0	0	0	68	0	0	0	0	60	0	0	128
TOTAL	1069	906	2220	2531	4422	5180	6694	4156	3087	2940	3084	534	36823

TABLE 47. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT TILLAMOOK BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	158	552	710
Flounder, arrowtooth.	420	96	70	19	2	31	76	281	103	137	49	38	1322
Flounder, starry.....	0	0	21	0	0	0	52	179	493	319	0	0	1064
Halibut, Pacific.....	0	0	0	0	0	174	2511	109	0	0	0	0	2784
Lingcod.....	393	16	853	109	704	352	858	2498	1083	776	260	299	8201
Prickleback, monkeyface													
Pac. Oc. Parch.....	2877	1168	2290	547	0	791	1798	944	233	0	958	577	12183
Nominal POP.....	115	0	780	1055	4	4028	695	355	144	501	1158	1561	10196
Rockfish, Widow.....	1296	63	3	0	264	0	55	0	30	0	0	0	1711
Rkfish, Sebastolobus..	903	163	152	288	0	349	466	434	65	98	197	344	3459
Rockfish, other spp..													
Sablefish.....	1510	440	383	622	2807	3195	4864	4232	4851	1027	398	2113	26442
Salmon, chinook.....	0	0	0	0	3442	1723	13047	58958	87563	20403	425	0	185561
Salmon, coho.....	0	0	0	0	0	0	128971	34428	0	0	0	0	163399
Sanddab, Pacific.....	0	9	0	0	0	0	0	0	0	5	0	0	14
Shark, soupfin.....													
Skates and Rays.....	0	0	0	0	0	0	0	0	13	0	0	0	13
Sole, Dover.....	2147	478	1774	2442	106	4282	10000	13224	5389	8764	2987	8347	59940
Sole, English.....	534	306	275	41	7	0	553	1277	1102	582	469	3629	8775
Sole, flathead.....	0	0	0	0	0	92	73	451	15	115	0	85	831
Sole, petrale.....													
Sole, rex.....	26648	7709	3563	303	6	23	168	7734	3603	1201	3510	15224	69692
Sole, sand.....	816	281	762	369	0	837	783	334	69	172	64	444	4931
Sturgeon, white.....	0	0	0	0	6	0	416	1011	1807	911	39	0	4190
Wolf-eel.....	0	0	0	0	0	2	0	2	0	0	0	0	26
CRUSTACEANS:													
Crab, Dungeness, Oc..	72569	66865	48603	31915	41578	29408	21299	7119	0	0	0	106102	425458
Shrimp, ghost (sand).	671	1910	3420	5009	10151	9108	8591	10079	4166	2982	774	351	57212
Shrimp, mud.....	17915	12933	35319	21003	0	0	0	228	2240	2099	3225	8704	103666
Shrimp, pink.....	0	0	0	194743	573049	452323	308309	281158	265996	261499	0	0	2337077
MOLLUSKS:													
Clams, butter.....	167	0	0	40	81	78	102	0	0	0	0	0	468
Clams, cockle.....	826	1848	1918	1465	1386	709	732	492	0	0	768	164	10308
Clams, littleneck.....	457	251	207	9	0	214	238	445	0	0	0	855	2676
Clams, softshell.....	12	0	0	0	0	0	0	0	0	0	0	0	12
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	0	49	105	154
Octopus.....													
Squid.....	0	0	0	0	0	10	0	0	1	0	0	45	56
TOTAL	134481	94563	102161	263712	650842	516400	518493	434767	385930	307631	17118	150771	3576869

TABLE 48. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NETARTS BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost (sand).	0	0	0	0	36	78	68	148	12	0	0	0	342
Shrimp, mud.....	2511	16943	7113	3640	185	1318	365	1670	182	2842	798	1764	39331
MOLLUSKS:													
Clams, cockle.....	0	0	0	156	0	0	23	0	0	0	0	0	179
TOTAL	2511	16943	7113	3796	221	1396	456	1818	194	2842	798	1764	39852

TABLE 49. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PACIFIC CITY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	7	13	7	47	68	41	23	0	0	18	224
Hallbut, Pacific....	0	0	0	0	0	759	507	0	0	0	0	0	1266
Lingcod.....	0	0	557	1009	1132	1687	1664	1606	1160	272	0	463	9550
Rockfish, other spp..	0	0	380	137	4618	7201	3859	7133	2354	647	0	9	26338
Salmon, chinook.....	0	0	0	0	195	335	26548	1123	873	135	0	0	29209
Salmon, chum.....	0	0	0	0	0	0	941	0	0	0	0	0	941
Salmon, coho.....	0	0	0	0	0	0	264003	4178	0	0	0	0	268181
Shark, other.....	0	0	0	0	0	0	25	0	0	0	0	0	25
Wolf-eel.....	0	0	0	0	0	6	25	8	0	0	0	0	39
CRUSTACEANS:													
Crab, Dungeness, Oc..	0	0	0	0	0	150	712	0	0	0	0	0	862
Shrimp, ghost (sand).	1271	1161	1067	1827	2080	1154	911	846	1288	1764	908	966	15243
MOLLUSKS:													
Octopus.....	0	0	0	0	0	11	0	0	0	0	0	0	11
TOTAL	1271	1161	2011	2986	8032	11350	299263	14935	5698	2818	908	1456	351889

TABLE 50. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT SILETZ BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Shrimp, ghost (sand).	7	0	153	1066	1135	1452	1044	3245	853	405	84	16	9460
TOTAL	7	0	153	1066	1135	1452	1044	3245	853	405	84	16	9460

TABLE 51. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT DEPOE BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	46	32	207	136	71	205	83	110	110	88	40	110	1238
Flounder, arrowtooth.	0	0	0	0	0	3	0	4	1	0	0	0	8
Hallbut, Pacific....	0	0	0	0	0	3731	2113	0	0	0	0	0	5844
Lingcod.....	205	1666	1259	1217	926	413	622	641	3413	904	2407	2213	15886
Rockfish, Widow.....	0	2	0	0	0	0	19	0	0	0	0	0	21
Rockfish, Yellowtail.	0	0	0	0	0	1	1	0	0	0	0	0	2
Rkfsh, Sebastolobus..	0	15	0	0	0	0	0	0	0	0	0	0	15
Rockfish, other spp..	65	385	1964	4157	9440	6247	2846	6812	6988	2577	1180	321	42980
Sablefish.....	1815	6450	2630	8572	13642	13055	3944	4955	16718	12291	0	0	84072
Salmon, chinook.....	0	0	0	0	6598	17573	10103	4132	4465	352	0	0	43223
Salmon, chum.....	0	0	0	0	0	0	28	0	0	0	0	0	28
Salmon, coho.....	0	0	0	0	0	78	126355	1193	0	0	0	0	127626
Salmon, plnk.....	0	0	0	0	0	0	2	0	0	0	0	0	2
Sole, Dover.....	0	0	0	0	0	18	0	1	19	0	0	0	38
Surfperch.....	0	0	0	0	0	2	0	0	0	0	0	0	2
Tuna, albacore.....	0	0	0	0	0	0	0	0	3026	0	0	0	3026
Wolf-eel.....	0	16	30	27	18	10	1	0	0	0	0	6	108
Miscellaneous.....	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTACEANS:													
Crab, Dungeness, Oc..	34841	27773	18569	3107	3070	1832	693	0	0	0	0	31642	121527
MOLLUSKS:													
Mussels, ocean.....	0	0	0	0	0	0	0	0	0	145	0	0	145
Octopus.....	0	129	50	0	0	0	0	0	0	0	0	171	350
TOTAL	36970	36468	24709	17216	33765	43168	146810	17848	34740	16357	3627	34463	446141

TABLE 52. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT NEWPORT, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	3	0	22	11	3	2	0	0	0	13	54
Cod, Pacific.....	0	0	0	0	62	20	45	0	75	82	15	0	299
Flounder, arrowtooth.....	247	362	3134	913	1835	1567	2345	3637	1451	625	236	97	16449
Flounder, starry.....	0	39	109	236	5	13	659	2004	691	606	220	0	4282
Hake, Pac. (Whiting).....	0	94	0	0	8755	1	2095	7795	0	9317	0	0	28057
Hallbut, Pacific.....	0	0	0	0	0	192277	107248	0	0	0	0	0	299525
Herring, Pacific.....	0	62132	874	0	30650	71	14	0	0	0	0	0	93741
Lingcod.....	4003	2020	3645	17271	19375	4594	7411	3041	10837	9927	5557	15905	103586
Mackerel.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Prickleback, monkeyface.....	0	0	2	0	0	0	0	0	0	8	0	0	11
Pac. Oc. Perch.....	12175	11411	10288	12141	8435	10033	9329	3601	4172	8184	6849	12668	109286
Nominal POP.....	54666	8370	28232	32268	7145	17376	32470	9517	5913	12491	19733	39890	268071
Rockfish, Widow.....	416507	316515	316734	163947	52369	2913	1874	41142	103831	3513	3487	7658	1430490
Rockfish, Yellowtail.....	8474	9305	8795	284	5617	1845	2366	924	1628	1779	0	5227	46244
Rkfish, Sebastolobus..	1098	2965	10306	8402	9164	7828	6882	5553	3158	2977	4847	15685	78865
Rockfish, other spp..	36070	61099	92629	50407	105895	55693	29685	34411	59016	52123	25075	60369	662472
Sablefish.....	47848	84035	75536	62308	133900	138038	170212	179852	188289	120470	18686	36515	1255689
Salmon, chinook.....	0	0	0	0	224932	227428	428235	94945	94468	279703	0	0	1349711
Salmon, chum.....	0	0	0	0	25	0	71	0	0	0	0	0	96
Salmon, coho.....	0	0	0	0	0	40	739960	38373	0	0	0	0	778373
Salmon, pink.....	0	0	0	0	0	0	3	0	0	0	0	0	3
Sanddab, Pacific.....	0	119	3013	2400	0	0	1664	1025	509	961	362	234	10287
Shark, soupfin.....	173	29	138	0	0	611	127	17	100	105	35	0	1335
Shark, spiny dogfish.....	0	0	0	0	13	0	7	0	0	0	0	0	25
Shark, thresher.....	0	0	26	0	0	0	336	65410	567	0	0	0	66339
Shark, other.....	0	0	0	0	0	73	4	77	0	0	0	0	154
Skates and Rays.....	0	0	53	154	162	7	2	5	0	3	261	252	899
Sole, butter.....	0	0	0	0	0	0	41	61	0	0	0	0	102
Sole, curifin(turbot).....	0	0	0	0	0	0	0	0	235	90	0	0	325
Sole, Dover.....	1962	6180	33284	18643	22570	11466	11563	16106	10205	10660	18601	57618	218658
Sole, English.....	89	769	1610	1521	1593	283	6546	4707	8576	14440	1826	986	42946
Sole, petrale.....	2352	9000	12022	3762	2147	198	28471	8826	32626	20743	3802	40149	164098
Sole, rex.....	589	399	2098	1210	2845	853	1061	1818	1735	2808	1630	1274	18320
Sole, rock.....	0	0	0	0	0	0	611	594	99	18	0	0	1322
Sole, sand.....	0	95	206	728	20	0	19760	15114	1995	3041	1049	953	42961
Sturgeon, green.....	0	46	113	104	0	0	12	16	0	37	7	0	335
Sturgeon, white.....	0	0	0	0	0	0	65	0	0	0	0	0	65
Surfperch.....	0	0	1	0	47	177	310	4	0	0	0	0	539
Tuna, albacore.....	0	0	0	0	0	0	4312	137795	96862	9266	6215	0	254450
Wolf-eel.....	0	0	5	7	15	11	81	156	33	70	2	24	404
Miscellaneous.....	0	0	0	0	10	19	1	3	0	0	0	3	36
CRUSTACEANS:													
Crab, box.....	0	0	0	0	0	0	0	0	0	0	0	1530	1530
Crab, Dungeness, Bay.....	0	0	0	0	0	314	0	0	46	3	2231	96	2690
Crab, Dungeness, Oc..	447082	244825	132142	35393	32333	46693	23837	8570	0	0	0	1043138	2014013
Crab, rock.....	0	0	0	0	389	899	0	82	29	165	9	233	1806
Shrimp, ghost (sand).....	0	0	0	0	0	0	0	0	3	0	0	0	3
Shrimp, pink.....	0	0	0	923093	765072	536975	330085	328830	513811	749148	0	0	4147014
MOLLUSKS:													
Clams, cockle.....	0	0	0	0	1	0	0	0	0	0	0	0	1
Octopus.....	148	167	55	55	28	37	62	39	59	33	20	303	1006
Scallop, weathervane.....	0	7222	40321	0	0	0	0	0	0	45	0	0	47588
Squid.....	0	0	19	25	2609	0	0	0	0	0	0	0	2653
TOTAL	1033483	827198	775393	1335272	1438040	1258364	1969866	1014052	1141019	1313441	120755	1340826	13567709

TABLE 53. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WALDPOR, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	198	877	3568	8756	2464	0	15863
Crab, Dungeness, Oc.	0	0	0	0	0	21	0	0	0	0	0	0	21
Shrimp, ghost (sand).	391	441	1	1544	3288	1859	2248	7188	10398	12895	7381	5735	53369
Shrimp, mud.....	0	0	0	0	0	0	0	0	100	0	0	73	173
MOLLUSKS:													
Mussels, ocean.....	0	0	2	0	0	10	0	0	0	0	0	0	12
TOTAL	391	441	3	1544	3288	1890	2446	8065	14066	21651	9845	5808	69438

TABLE 54. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT FLORENCE, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, starry.....	0	0	0	0	0	0	0	4	0	0	0	0	4
Hake, Pac. (Whiting).	0	0	0	0	0	0	5	428	4	36	0	0	473
Hallbut, Pacific.....	0	0	0	0	0	905	214	0	0	0	0	0	1119
Lingcod.....	0	0	0	0	0	23	46	535	48	37	0	0	689
Rockfish, other spp..	0	0	0	0	0	25	66	3439	1177	283	0	0	4990
Sablefish.....	0	0	0	540	9907	45794	57831	23031	41961	6470	0	0	185534
Salmon, chinook.....	0	0	0	0	55975	52445	156176	37849	2520	131	0	0	305096
Salmon, coho.....	0	0	0	0	0	0	48608	3130	0	0	0	0	51738
Sanddab, Pacific.....	0	0	0	0	0	0	0	7350	202	208	0	0	7760
Shad, American.....	0	0	0	0	386	387	6	0	0	0	0	0	779
Sole, Dover.....	0	0	0	0	0	0	0	829	54	1505	0	0	2388
Sole, English.....	0	0	0	0	0	0	0	1415	102	111	0	0	1628
Sole, petrale.....	0	0	0	0	0	0	0	1316	191	167	0	0	1674
Sole, rex.....	0	0	0	0	0	0	0	23	0	0	0	0	23
Sole, sand.....	0	0	0	0	0	0	0	608	0	0	0	0	608
Tuna, albacore.....	0	0	0	0	0	0	0	5641	0	0	0	0	5641
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	0	369	0	0	0	369
Crab, Dungeness, Oc..	15464	11998	8604	4475	6964	4915	8452	3350	0	0	0	83961	148183
Shrimp, ghost (sand).	0	0	136	235	551	700	552	489	215	35	70	95	3078
MOLLUSKS:													
Clams, softshell.....	0	4	210	360	150	0	0	0	180	0	0	0	904
Mussels, ocean.....	0	0	0	13	0	0	453	0	0	0	0	0	466
TOTAL	15464	12002	8950	5623	73933	105194	272409	89437	47023	8983	70	84056	723144

TABLE 55. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT WINCHESTER BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Flounder, arrowtooth.	0	0	0	0	0	0	0	0	49	144	52	0	245
Hake, Pac. (Whiting).	0	0	0	0	0	0	0	0	0	84	6	0	90
Hallbut, Pacific.....	0	0	0	0	18	4739	11452	0	0	0	0	0	16209
Herring, Pacific.....	0	0	0	0	43	0	615	0	0	0	0	0	658
Lingcod.....	0	0	0	0	45	22	74	9	204	125	197	0	676
Prickleback, monkeyface	0	0	0	0	0	0	0	0	0	11	6	0	17
Nominal POP.....	0	0	0	0	0	0	0	0	445	788	65	0	1298
Rockfish, Widow.....	0	0	0	0	0	0	0	0	61	0	0	0	61
Rkfish, Sebastolobus..	0	0	0	0	0	0	49	13	0	220	38	0	320
Rockfish, other spp..	0	0	0	0	76	959	154	243	1428	76	264	0	3200
Sablefish.....	0	0	0	0	3458	30724	68478	27873	55326	37683	63	0	223605
Salmon, chinook.....	0	0	0	0	116105	142423	85781	77642	11633	511	0	0	434095
Salmon, coho.....	0	0	0	0	0	39	42583	0	0	0	0	0	42622
Sanddab, Pacific.....	0	0	0	0	0	0	4	0	0	0	67	0	71
Shad, American.....	0	0	0	0	742	654	0	0	0	0	0	0	1396
Skates and Rays.....	0	0	0	0	0	0	0	0	387	189	126	0	702
Smelt.....	0	0	0	0	10	0	0	0	0	0	0	0	10
Sole, Dover.....	0	0	0	0	0	0	0	0	1502	6253	3861	0	11616
Sole, English.....	0	0	0	0	0	0	0	0	76	32	0	0	108
Sole, petrale.....	0	0	0	0	0	0	0	0	0	513	648	0	1161
Sole, rex.....	0	0	0	0	0	0	0	0	0	860	175	0	1035
Tuna, albacore.....	0	0	0	0	0	0	4227	23344	11454	615	0	0	39640
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	169	6950	3952	3135	0	14206
Crab, Dungeness, Oc..	134015	64415	53087	17567	19737	26136	18149	23147	0	0	0	329618	685871
Shrimp, ghost (sand).	0	0	0	0	360	0	0	0	100	0	0	0	460
Shrimp, pink.....	0	0	0	0	0	416	0	0	0	4029	0	0	4445
MOLLUSKS:													
Mussels, ocean.....	1674	2996	5007	2724	2129	2011	788	988	1982	2020	4371	3852	30542
TOTAL	135689	67411	58094	20291	142723	208123	232354	153428	91597	58105	13074	333470	1514359

TABLE 56. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT COOS BAY, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	0	0	2	54	71	45	26	14	8	220
Cod, Pacific.....	0	0	0	0	0	0	0	0	508	448	493	297	1746
Flounder, arrowtooth.	143	187	366	491	1730	868	702	651	25	428	137	171	5899
Flounder, starry.....	0	0	4	0	1480	515	963	375	729	87	0	13	4166
Hake, Pac. (Whiting).	0	0	0	9499	13318	0	0	0	50	90	0	0	22957
Hallbut, Pacific.....	0	0	0	0	0	40888	25138	0	0	0	0	0	66026
Lingcod.....	885	796	4362	3621	6649	17430	11585	7333	10166	20609	12729	6065	102230
Pricklebck, monkeyface	0	0	0	0	0	0	0	2	2	19	26	0	49
Pac. Oc. Perch.....	4432	7217	9072	7144	471	3388	488	1762	1104	1676	1227	2187	40168
Nominal POP.....	11506	10635	28097	9011	26360	20118	14977	6482	8290	16830	14460	10021	176787
Rockfish, Wldow.....	59903	20168	62582	8155	2686	1490	1	9683	2752	5347	3673	1386	177826
Rockfish, Yellowtail.	16877	25116	14615	7471	7867	3407	1616	978	2028	23206	50867	18616	172664
Rkfish, Sebastolobus..	24986	20512	27947	7150	11924	15566	9126	5976	3464	18434	18410	27982	191477
Rockfish, other spp..	32370	19084	64245	25372	35582	43358	33372	36845	63191	60876	72249	32409	518953
Sablefish.....	46196	44409	64778	22467	49056	54644	147610	88555	32226	47314	53725	86973	737953
Salmon, chlnook.....	0	0	0	0	178662	224698	886401	992479	179767	16408	611	0	2479026
Salmon, coho.....	0	0	0	0	0	4357	290622	0	0	0	0	0	294979
Sanddab, Pacific.....	0	70	593	246	305	2279	11788	7040	8996	167	70	753	32307
Shark, soupfin.....	88	0	8	0	30	485	5	56	0	0	152	105	929
Shark, splny dogfish.	0	0	0	0	0	0	67	2	0	0	10	0	79
Shark, thresher.....	0	0	0	52	0	0	0	16031	0	0	0	0	16083
Shark, other.....	0	0	0	0	0	179	130	0	0	0	0	0	309
Skates and Rays.....	27	94	240	30	845	384	579	356	422	251	376	29	3635
Sole, butter.....	0	0	0	0	14	37	47	0	0	0	0	0	114
Sole, curifin(turbot)	0	0	0	0	76	0	1101	87	0	0	0	0	1310
Sole, Dover.....	68896	85663	158155	42534	58899	59935	60449	92765	63265	207163	159760	237666	1295150
Sole, English.....	2459	2614	5971	2187	4341	5116	4264	3956	7486	7024	3516	9599	58533
Sole, petrale.....	103068	49724	40038	3625	4163	7252	8350	4697	3675	12724	56315	231801	525432
Sole, rex.....	3952	2376	2949	191	5113	7506	4580	1340	2256	4989	3155	5659	44066
Sole, rock.....	0	0	0	0	0	0	2989	128	0	0	0	0	3117
Sole, sand.....	0	0	40	0	3732	4519	19469	9080	4088	395	0	16381	57704
Sturgeon, green.....	0	0	0	73	664	220	70	0	0	0	0	36	1063
Sturgeon, white.....	0	0	0	0	81	0	156	0	0	0	0	0	237
Tuna, albacore.....	0	0	0	0	0	0	26186	145461	30456	26236	0	0	228339
Wolf-eel.....	0	0	1	0	6	8	19	0	4	14	0	0	52
CRUSTACEANS:													
Crab, Dungeness, Bay.	0	0	0	0	0	0	0	98	2204	5206	5587	1376	14471
Crab, Dungeness, Oc..	146909	100585	67381	17371	25747	23973	11750	6322	0	0	0	358779	758817
Shrimp, ghost (sand).	0	18	8	220	932	516	476	310	260	474	634	133	3981
Shrimp, mud.....	0	0	0	0	4279	3130	3723	4078	5214	6501	8307	7409	42641
Shrimp, pink.....	0	0	0	771460	563011	502645	506552	413813	849040	327882	0	0	3934403
MOLLUSKS:													
Clams, butter.....	0	43	287	137	32	34	79	10	2	0	5	47	676
Clams, cockle.....	0	0	61	45	75	0	4	0	0	0	0	0	185
Clams, gaper.....	0	0	0	0	0	0	573	309	613	1144	392	456	3487
Clams, littleneck.....	0	0	11	6	7	2	6	0	0	0	2	0	34
Clams, softshell.....	0	0	0	143	54	0	0	0	0	0	0	0	197
Mussels, ocean.....	0	0	11	16	114	8	0	0	0	0	0	0	149
Octopus.....	12	0	0	0	30	0	50	3	0	0	0	0	95
TOTAL	522709	389311	551822	938717	1008335	1048957	2086117	1857134	1282328	811968	466902	1056419	12020719

TABLE 57. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BANDON, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Hake, Pac. (Whiting).....	0	0	0	0	0	0	0	18	0	0	0	0	18
Halibut, Pacific.....	0	0	0	0	7	215	162	7	0	0	0	0	377
Lingcod.....	0	0	0	0	72	789	735	1574	1308	14	0	0	4492
Rockfish, other spp..	0	0	0	0	0	6684	162	2983	0	0	0	0	9829
Sablefish.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Salmon, chinook.....	0	0	0	0	1306	20176	82524	88809	40893	679	0	0	234387
Salmon, coho.....	0	0	0	0	0	1194	17079	0	0	0	0	0	18273
CRUSTACEANS:													
Shrimp, pink.....	0	0	0	0	0	0	1241	0	0	0	0	0	1241
MOLLUSKS:													
Clams, softshell.....	0	0	0	0	0	569	596	394	0	0	0	0	1559
TOTAL					1385	29653	102520	93785	42212	693			270248

TABLE 58. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT PORT ORFORD, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cabezon.....	0	0	0	30	41	0	0	29	22	112	213	88	535
Flounder, arrowtooth.....	0	0	0	0	0	0	1	0	0	0	0	0	1
Halibut, Pacific.....	0	0	0	0	0	25719	25219	0	0	0	0	0	50938
Lingcod.....	820	913	6330	1301	1095	2376	959	1656	7490	5401	4144	2758	35243
Nominal POP.....	0	0	0	5	0	0	0	0	0	0	0	0	5
Rockfish, Widow.....	0	0	0	0	0	0	0	67	0	0	0	0	67
Rockfish, other spp..	1471	1476	11767	5060	5043	6944	6890	5559	9549	4787	3976	2969	65491
Sablefish.....	0	0	6485	29154	37084	56309	57162	83078	42454	41812	0	0	353538
Salmon, chinook.....	0	0	0	0	1207	12031	85741	51374	28442	27860	23489	0	230144
Salmon, coho.....	0	0	0	0	0	2694	28779	0	0	0	0	0	31473
Shark, soupfin.....	80	46	0	0	0	0	0	0	13	0	134	44	317
Shark, other.....	0	0	0	0	0	9	0	0	0	0	0	59	68
Skates and Rays.....	0	6	0	0	0	0	0	0	0	0	38	0	44
Wolf-eel.....	0	0	0	21	31	54	7	3	1	6	4	7	134
CRUSTACEANS:													
Crab, Dungeness, Oc..	38230	27837	23286	1993	12368	7810	2706	2511	0	0	0	86025	202766
Shrimp, pink.....	0	0	0	0	5137	10598	12875	11189	11435	0	0	0	51234
MOLLUSKS:													
Octopus.....	52	0	72	47	8	0	0	0	0	26	0	152	357
OTHER INVERTEBRATES:													
Sea urchin.....	0	0	0	0	0	2597	411	1804	475	6813	2231	376	14707
TOTAL	40653	30278	47940	37611	62014	127141	220750	157270	99881	86817	34229	92478	1037062

TABLE 59. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT GOLD BEACH, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Lingcod.....	0	0	0	0	27	329	640	523	468	302	548	0	2837
Nominal POP.....	0	0	0	0	0	0	0	3	0	0	0	0	3
Rockfish, other spp..	0	0	0	0	643	1929	2032	782	917	48	244	17	6612
Sablefish.....	0	0	0	0	0	6364	5151	576	0	0	0	0	12091
Salmon, chinook.....	0	0	0	0	124	6257	6362	39744	541	488	31	0	53547
Salmon, coho.....	0	0	0	0	0	1960	1851	0	0	0	0	0	3811
Shark, other.....	0	0	0	0	0	0	0	39	0	0	0	0	39
Tuna, albacore.....	0	0	0	0	0	0	0	0	8	0	0	0	8
Wolf-eel.....	0	0	0	0	0	1	0	0	0	0	0	0	1
CRUSTACEANS:													
Crab, Dungeness, Oc..	0	0	0	0	0	0	0	411	0	0	0	0	411
TOTAL					794	16840	16036	42078	1934	838	823	17	79360

TABLE 60. ESTIMATED VALUE (\$), AT THE FISHERMEN'S LEVEL, OF MONTHLY COMMERCIAL FISH AND SHELLFISH LANDINGS AT BROOKINGS, 1986.

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH:													
Cod, Pacific.....	0	0	0	0	0	0	0	0	0	0	29	0	29
Flounder, arrowtooth.	1	17	191	18	186	23	97	112	39	159	153	224	1220
Flounder, starry.....	0	0	0	0	9	1	0	0	0	36	10	0	56
Hake, Pac. (Whiting).	0	0	0	0	0	0	0	68	0	0	0	0	68
Hallbut, Pacific.....	0	0	0	0	0	5843	1762	0	0	0	0	0	7605
Lingcod.....	324	359	1370	246	3274	7118	496	4448	1321	972	1627	138	21693
Pac. Oc. Perch.....	0	0	0	0	0	0	0	0	0	0	37	0	37
Nominal POP.....	244	283	587	125	2153	1599	71	1095	178	416	1270	730	8751
Rockfish, Widow.....	5260	1641	8953	28970	29799	28232	18695	28401	13110	238	87	1	163387
Rockfish, Yellowtail.	2344	534	0	18	1390	1324	606	343	0	693	36	0	7288
Rkfish, Sebastolobus..	3432	2721	17092	1022	1811	1456	713	846	1161	4309	4805	6203	45571
Rockfish, other spp..	1059	1223	3505	2472	8624	8361	5905	12676	5407	4441	3843	429	57945
Sablefish.....	3388	6103	19835	3825	19084	17670	25643	33007	15838	23816	14409	9757	192375
Salmon, chinook.....	0	0	0	0	62992	209158	66103	158912	7283	194	0	0	504642
Salmon, coho.....	0	0	0	0	0	54662	23084	0	0	0	0	0	77746
Sanddab, Pacific.....	0	50	100	511	53	0	0	0	0	52	17	0	783
Shark, soupfin.....	0	0	0	0	22	20	0	12	0	0	69	0	123
Shark, other.....	0	0	0	0	0	0	12	0	0	0	0	0	12
Skates and Rays.....	0	0	0	0	6	51	10	347	0	0	0	0	414
Smelt.....	138	1362	1765	3961	61	0	0	0	0	0	0	0	7287
Sole, Dover.....	8102	8019	59041	5690	22255	2269	2761	14010	6436	18313	40083	18030	205009
Sole, English.....	22	670	1860	1800	2188	13	25	1080	431	1176	1659	21	10945
Sole, ustrale.....	900	619	1231	243	672	67	10	536	116	1031	3150	2802	11357
Sole, rex.....	523	1003	1557	530	2625	280	508	250	73	734	1465	993	10541
Sole, sand.....	0	85	98	0	72	0	0	0	0	537	32	0	824
Surfperch.....	0	0	242	1336	13	0	3	0	0	0	15	0	1609
Tuna, albacore.....	0	0	0	0	0	0	0	30866	0	2671	0	0	33537
CRUSTACEANS:													
Crab, Dungeness, Oc..	61578	16621	15127	12521	7803	10798	899	761	0	0	0	822877	946985
Shrimp, pink.....	0	0	0	11906	25309	148337	107202	297094	71490	169511	0	0	830849
MOLLUSKS:													
Octopus.....	495	42	116	0	51	68	93	54	24	116	0	1214	2273
TOTAL	87810	41352	132670	75194	190452	497350	254698	584918	122907	229415	72776	863419	3152961

Table 61. Salmon (Numbers and Pounds) harvested by Oregon private salmon hatcheries, 1982-1986.

	Chinook Adults	Chinook Jacks	Coho Adults	Coho Jacks ^{1/}	Chum
1982					
Number	7,644	4,439	165,034	19,687	1,132
Pounds	87,654	13,657	932,886	48,356	9,133
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	62,627	8,157	445,103	8,641	769
Pounds	747,989	29,558	2,345,616	15,328	6,796

1/ May include small adults.

Table 62. Pounds of salmon harvest by Oregon private salmon hatcheries, 1986. ^{1/}

Species	March	April	May	June	July	August	September	October	November	December	January	February	Total
Chinook													
Adult...	--	57	26,531	101,795	53,121	59,032	309,047	168,030	21,723	3,361	5,292	--	747,989
Jack....	--	--	31	831	1,679	991	11,835	13,263	630	298	--	--	29,558
Coho													
Adult...	--	--	4	15	208	1,607	817,104	1,476,082	47,967	2,566	63	--	2,345,616
Jack.... ^{2/}	--	6,715	--	6	6	21	4,564	3,653	248	114	1	--	15,328
Chum													
Adult...	--	--	--	--	--	--	10	67	6,259	460	--	--	6,796
TOTAL													
Adult...	--	57	26,535	101,810	53,329	60,639	1,126,161	1,644,179	75,949	6,387	5,355	--	3,100,401
Jack....	--	6,715	31	837	1,685	1,012	16,399	16,916	878	412	1	--	44,886

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

2/ May include small adults.

TABLE 63. MONTHLY LANDINGS (POUNDS ROUND) OF CRAYFISH, FRESHWATER MUSSELS, PACIFIC LAMPREY AND BRINE SHRIMP HARVESTED IN OREGON, 1986.

COUNTY/SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BAKER Crayfish	0	0	0	619	271	478	8693	7665	5036	3343	0	0	26105
CLACKAMAS Crayfish	0	0	0	181	255	5535	8317	7606	5304	612	0	0	27810
Lamprey, Pacific	0	0	0	0	0	3640	1100	0	0	0	0	0	4740
TOTAL	0	0	0	181	255	9175	9417	7606	5304	612	0	0	32550
CLATSOP Crayfish	0	0	0	296	28	2742	3319	2835	5539	5281	0	0	20040
COLUMBIA Crayfish	0	0	0	0	0	0	534	189	740	684	0	0	2147
COOS Crayfish	0	0	0	0	0	0	0	20	0	0	0	0	20
CROOK Crayfish	0	0	0	193	347	1649	408	1369	535	129	0	0	4630
DESCHUTES Crayfish	0	0	0	0	0	1292	519	1835	798	0	0	0	4444
JEFFERSON Crayfish	0	0	0	12315	16905	19228	19767	12735	15150	2183	0	0	98283
KLAMATH Crayfish	0	0	0	0	0	555	1026	328	651	0	0	0	2560
LAKE Shrimp, brine	0	0	0	0	0	11000	8300	3100	0	0	0	0	22400
LINCOLN Crayfish	0	0	0	0	0	130	0	268	6	0	0	0	404
LINN Crayfish	0	0	0	0	0	0	318	0	0	0	0	0	318
MARION Crayfish	0	0	0	0	50	610	379	187	0	0	0	0	1226
Mussels, freshwater	0	0	0	0	0	0	0	0	0	2378	0	0	2378
TOTAL	0	0	0	0	50	610	379	187	0	2378	0	0	3604
MORROW Crayfish	0	0	0	0	0	546	0	0	0	0	0	0	546
MULTNOMAH Crayfish	0	0	0	209	401	1715	3850	1818	1019	368	0	0	9380
POLK Crayfish	0	0	0	0	0	1116	722	560	0	0	0	0	2398
TILLAMOOK Crayfish	0	0	0	0	0	98	285	0	0	0	0	0	383
WASHINGTON Crayfish	0	0	0	0	0	396	1419	1832	802	0	0	0	4449
YAMHILL Crayfish	0	0	0	0	0	5560	4949	2177	0	0	0	0	12686
TOTAL	0	0	0	13813	18257	41650	54505	41424	35580	12600	0	0	217829
Crayfish	0	0	0	0	0	0	0	0	0	2378	0	0	2378
Mussels, freshwater	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamprey, Pacific	0	0	0	0	0	3640	1100	0	0	0	0	0	4740
Shrimp, brine	0	0	0	0	0	11000	8300	3100	0	0	0	0	22400

Table 64. Oregon oyster production (gallons), 1977-86

Bay/Species	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
<u>Tillamook Bay</u>										
Kumomoto oyster...	665	0	0	0	6	7	0	0	9	4
Pacific oyster....	20,678	20,166	15,665	18,912	22,575	26,174	21,330	30,964	21,204	21,325
<u>Netarts Bay</u>										
Pacific oyster....	20	16	0	60	40	0	0	6	40	30
<u>Yaquina Bay</u>										
Kumomoto oyster...	728	477	2	1	0	0	1	16	0	0
Pacific oyster....	5,725	6,214	8,104	6,240	7,020	7,713	6,423	7,210	10,911	12,130
Native oyster.....	17 1/	77 2/	0	0	0	0	0	0	0	0
<u>Coos Bay</u>										
Pacific oyster....	1,384	3,196	3,985	4,135	4,089	3,164	3,138	9,834	5,270	3,065
TOTAL	29,217	30,146	27,756	29,348	33,730	37,058	30,892	48,030	37,434	36,554

SOURCE: Oregon Department of Agriculture

1/ Includes 16 gallons of Eastern oyster.

2/ Eastern oysters

APPENDIX

1986 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 \$175 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 \$250 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 16 percent of coastal earned income. 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. Interested readers should direct inquiries about this report to the Foundation in Portland.

Table 1. Personal Income Contribution of the Commercial Fishing and Processing Industry to Oregon Coastal Communities and to Oregon's Economy, 1986 (Millions of Dollars) 1/ 2/

	Astoria Area	Newport Area	Coos Bay Area	Tillamook Area	Brookings Area	All Coastal Communities	Statewide Impact
Landed Fish	51.1	26.5	27.1	7.5	5.9	118.1	170.5
Distant Water	16.5	33.2	6.9	-	-	56.6	81.1
Total	67.6	59.7	34.0	7.5	5.9	174.7	251.4
Percent of Total Personal Income 3/	18%	14%	5%	3%	3%	9%	0.8%
Percent of Total Earned Income 4/	28%	27%	8%	6%	6%	16%	1.1%

1/ Estimates by Hans Radtke and Chris Carter with some data provided by the Oregon State University Sea Grant Extension Agents. The personal income 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/ The landings of communities listed include landings from smaller ports in the area. For example, Brookings includes all of Curry County. Astoria includes all Columbia River non-Indian Oregon side landings. Statewide impacts include Oregon side landings by Treaty Indians, as well as all non-Indian Oregon side landings. The impacts of oyster culture and private salmon hatchery returns are not included.

3/ Computed as total income generated by the 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 1976-1984. U.S. Department of Commerce, Bureau of Economic Analysis. The 1984 data on personal income are adjusted roughly to reflect the estimated 1986 increases. 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 contribution for social security.

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