

**OVERVIEW OF THE ISSUANCE, TRANSFER, AND  
PARTICIPATION OF LIMITED ENTRY PERMITS IN THE  
1994 GROUND FISH FISHERY**

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This section provides a summary of permit issuance and transfer information during the first year of the limited entry program for groundfish, as well as a brief comparison of participation in the 1990–1993 fisheries with the limited entry and open access portions of the 1994 fishery. 1994 represents the first year in which the fisheries managed through the Council's Groundfish Fishery Management Plan operated under the license limitation program set forth in Amendment 6. Because this was a transitional year, many individuals who did not at the time have permits at the beginning of 1994 were allowed to participate in the fishery, while appeals to initial permit denials were reviewed. In very few cases, this review process extended beyond the close of 1994. For purposes of the summary presented in Tables 1–3, no distinction is made between permits which were issued in time for the beginning of the 1994 fishery, and those which were issued subsequently as the result of appeals decisions. These tables also categorize vessels which were fishing under appeals which were eventually denied as part of the permitted fleet for 1994.

Table 1 provides a summary of the permits with "A" endorsements that were initially issued by the National Marine Fisheries Service for participation in the Council's limited entry fishery for groundfish. The columns of this table indicate the type of gear endorsements attached to each permit: trawl, pot, longline, or some combination thereof. There were, for instance, a total of 390 permits endorsed for trawl gear. Of these permits, 1 permit was also endorsed for pot gear, and 6 were also endorsed for longline gear. The groupings along the left side of the table reflect the current status of the permit and the vessel length for which it was initially endorsed. Out of the 390 original trawl permits, for instance, 227 remain attached to the original qualifying vessel, while 109 (including 2 with longline endorsements) have been combined with other permits for use with larger vessels and 40 were transferred during the year to different vessels that fall within the permit's original length endorsement. The total number of initially issued "A" permits with longline endorsements was 211, including 10 permits which received endorsements for other gears. Two permits of the 211 were combined into one larger longline permit (Note that the two permits with joint longline and trawl endorsements in the combined category were used to create a larger trawl permit, with the resultant elimination of those longline endorsements). A total of 33 permits with pot endorsements were issued, including 5 that were also endorsed for another gear.

Table 2 uses a similar layout to summarize the status of permit registration as of the end of 1994. Comparison of Tables 1 and 2 reveals an overall reduction in the number of trawl permits from 390 to 291. Primarily, this decline resulted from the combination of 109 trawl permits which produced 13 permits bearing larger length endorsements. Of these 13, nine are greater than 200 feet in length and are currently attached to whiting catcher–processor vessels. Very little reduction in permit numbers has occurred within the fixed gear fleet.

Comparison of the permit counts in Tables 1 and 2 is not always straightforward, due to changes in permit status since initial issuance. Even where combination of permits has not occurred, a permit may fall into different length categories in Tables 1 and 2, due to the fact that some permit length endorsements were changed as the result of appeals. Vessels may also change categories as some original "B" or "Provisional" permits have been converted to "A" permits through appeal or satisfaction of upgrade criteria. Table 3a shows the number of "B" and "Provisional" permits at the time of issuance, while Table 3b indicates how many of those remained at the end of 1994.

Tables 4–7 summarize fishing activity in the groundfish fishery from 1990 through 1994. Data from the 1994 fishery have been broken down into activity by the open access and permitted fleets. Landings of groundfish within each year are categorized according to the gear that was used on the trip. Only trips which had some groundfish landed are included in these tables. In the case of the three gears included in the limited entry program—trawl, hook and line, and pot—each trip must have included at least 50 percent of its revenue from groundfish to be included in the category. Trips not meeting this criteria were assigned to the "Other gear" group, with the exception of those which fell into the "Shrimp trawl" category. These tables reflect only the activity of shore-based catcher vessels over this period.

Table 4 indicates the number of vessels that had landings in each of the categories over the course of the entire year in question. It is important to keep in mind that the number of vessels showing up in the "All permits" column for 1994 may exceed the number of endorsements for a gear for either of two reasons:

permit transfers allow more than one vessel to have fished during the year using the same permit, and permitted vessels are free to participate in the open access fishery using non-trawl gear for which they are not endorsed. Table 5 shows the total amount of landings (round-weight mts) that occurred within each gear/species category during each year. Table 6 summarizes the average yearly landing per vessel within each category. Table 7 shows the total annual revenue (nominal \$1,000s) occurring within each category.

Table 4 reveals a general downturn in the number of directed groundfish trawlers during the 1994 season. The exception to this is in the whiting fishery, where the number of shore-based vessels increased by eight from the preceding year, and by two from the previous high. It is clear that the license limitation program has at least been successful in reducing the number of trawl vessels directing their attention towards groundfish species other than whiting. That conclusion cannot be drawn for the whiting fishery. As noted above, nine factory trawlers obtained trawl permits through the process of combining smaller permits. Since "effort" or the "fishing capacity" of any fishing fleet is a difficult concept to quantify, this initial review has not attempted to assess whether the current combination of at-sea and shoreside capacity has increased relative to the number of participants in both sectors prior to limited entry. At present, however, the allocation existing between inshore and offshore users effectively controls the effect that any change in offshore capacity might have on the shore-based sector.

The number of vessels landing groundfish on directed line-gear groundfish trips also declined in 1994, relative to the four preceding years. The combined total of permitted and open access vessels in this category in 1994 was 1,290, compared to 1,495 the previous year. Only 257 vessels in this category made sablefish landings in 1994, compared to a high of 484 in 1992 and 305 in 1993. However, there were 148 permitted vessels which landed sablefish, which was higher than the average number of derby participants during 1990-1993. Most of the open access vessels using hook-and-line gear focussed on rockfish species, which was a continuation of the pattern observed in previous years among the smaller vessels of the California line fleet.

The total number of vessels with directed groundfish pot landings during 1994 remained roughly the same as the in 1990-1993. The focus of those vessels holding pot permits continues to be sablefish, while open access vessels, as well as vessels holding permit endorsements other than pot, primarily targeted rockfish species in California. The use of net and other gears for groundfish continued the decline in participants observed which has been observed since 1990.

Table 5 shows the amount of landings in each gear and species category. In general, changes from preceding years in the groundfish poundage landed in the limited entry gear fisheries reflect differences in available quotas or changes in market conditions, rather than impacts of the limited entry program.

In the trawl fishery, it should be noted that the increase in total landed catch from 1993 to 1994 resulted from a 30,000 mt increase in shoreside landings of whiting. Landings of other groundfish species fell by roughly 16,000 mt. In the shrimp trawl fishery, somewhat less than half of the groundfish was landed by open access vessels. Roughly one third of the open access groundfish and shrimp reported in the open access category was landed by vessels which were initially issued groundfish permits that were subsequently sold and combined to form permits for longer vessels.

In the line-gear category, only 3.5 percent of the sablefish was harvested by open access vessels. However, open access vessels harvested a clear majority of the remaining groundfish species, including roughly 2/3 of the rockfish species. Sablefish dominated the poundage landed by pot vessels in 1994, with less than 10 percent being landed by open access. Virtually all of the 474 mt of groundfish landed on net trips was landed by open access vessels. However, of the 646 mt landed with other gear, or on trips where groundfish was not the target, nearly half was caught by vessels with limited entry permits.

Despite the increase in total landed catch by trawlers in 1994, the nominal revenue from groundfish dropped slightly. Flatfish revenue, in particular, fell by roughly \$4.5 million. However, even though rockfish landings were down by nearly 7,000 mt, earnings from those species remained roughly the same, due to higher prices in 1994. Line-gear landings of sablefish remained roughly the same in 1994, however higher

prices resulted in sablefish revenues that were more than 20 percent higher. The more than 50 percent increase in pot landings of sablefish in 1994 translated into a 2 1/2-fold increase in pot earnings from that species. Finally, groundfish earnings from the use of other gears remained roughly the same as in 1993.

Table 1.--Number of initially issued "A" permits, by gear endorsement and current permit status category.

Permit status permit length	Pot & Trawl	Trawl	Trawl & Longline	Longline	Pot & Longline	Pot	Total
-----							
Sunken qualifying vessel, not yet replaced							
All	0	4	0	0	0	0	4
Permit not renewed							
1-<30 ft	0	0	0	1	0	0	1
30-<40 ft	0	1	0	1	0	0	2
All	0	1	0	2	0	0	3
Active permit not assigned to a vessel							
30-<40 ft	0	0	0	2	0	0	2
40-<50 ft	0	1	0	3	0	0	4
50-<60 ft	0	2	0	0	0	0	2
60-<80 ft	0	1	0	0	0	0	1
80-<100 ft	0	0	0	0	0	2	2
All	0	4	0	5	0	2	11
Permit transferred following issuance							
1-<30 ft	0	0	0	5	0	0	5
30-<40 ft	0	1	0	11	0	0	12
40-<50 ft	0	2	0	11	0	2	15
50-<60 ft	0	5	0	4	0	1	10
60-<80 ft	0	25	0	4	0	1	30
80-<100 ft	0	6	0	0	0	2	8
150-<200 ft	0	1	0	0	0	0	1
All	0	40	0	35	0	6	81
Permit combined with another following issuance							
40-<50 ft	0	9	0	0	0	0	9
50-<60 ft	0	35	2	1	0	0	38
60-<80 ft	0	46	0	1	0	0	47
80-<100 ft	0	14	0	0	0	0	14
100-<150 ft	0	3	0	0	0	0	3
All	0	107	2	2	0	0	111
Permit active and assigned to the qualifying vessel							
1-<30 ft	0	1	0	23	0	0	24
30-<40 ft	0	1	0	47	0	5	53
40-<50 ft	0	32	0	37	3	4	76
50-<60 ft	1	60	1	28	1	6	97
60-<80 ft	0	97	3	20	0	3	123
80-<100 ft	0	31	0	2	0	1	34
100-<150 ft	0	5	0	0	0	1	6
All	1	227	4	157	4	20	413
All "A" Permits							
1-<30 ft	0	1	0	29	0	0	30
30-<40 ft	0	3	0	61	0	5	69
40-<50 ft	0	44	0	51	3	6	104
50-<60 ft	1	102	3	33	1	7	147
60-<80 ft	0	173	3	25	0	4	205
80-<100 ft	0	51	0	2	0	5	58
100-<150 ft	0	8	0	0	0	1	9
150-<200 ft	0	1	0	0	0	0	1
All	1	383	6	201	4	28	623

Table 2.--Number of current "A" permits, by gear endorsement and current permit status category.

Permit status permit length	Pot & Trawl	Trawl	Trawl & Longline	Longline	Pot & Longline	Pot	Total
Active permit not assigned to a vessel							
30-<40 ft	0	0	0	2	0	0	2
40-<50 ft	0	1	0	3	0	0	4
50-<60 ft	0	2	0	0	0	0	2
60-<80 ft	0	1	0	0	0	0	1
80-<100 ft	0	0	0	0	0	2	2
100-<150 ft	0	1	0	0	0	0	1
All	0	5	0	5	0	2	12
Permit transferred following issuance							
1-<30 ft	0	0	0	4	0	0	4
30-<40 ft	0	1	0	10	0	0	11
40-<50 ft	0	1	0	10	0	2	13
50-<60 ft	0	5	0	7	0	1	13
60-<80 ft	0	24	0	4	0	1	29
80-<100 ft	1	8	0	0	0	1	10
150-<200 ft	0	1	0	0	0	0	1
All	1	40	0	35	0	5	81
Permit combined with another following issuance							
50-<60 ft	0	1	0	0	0	0	1
60-<80 ft	0	1	0	0	0	0	1
80-<100 ft	0	1	0	1	0	0	2
100-<150 ft	0	1	0	0	0	0	1
>=200 ft	0	9	0	0	0	0	9
All	0	13	0	1	0	0	14
Permit active and assigned to the qualifying vessel							
1-<30 ft	0	1	0	19	0	0	20
30-<40 ft	0	2	0	46	0	5	53
40-<50 ft	0	24	0	44	2	4	74
50-<60 ft	1	65	1	26	2	6	101
60-<80 ft	0	96	3	23	0	3	125
80-<100 ft	0	31	0	1	0	1	33
100-<150 ft	0	8	0	0	0	1	9
All	1	227	4	159	4	20	415
All "A" permits							
1-<30 ft	0	1	0	23	0	0	24
30-<40 ft	0	3	0	58	0	5	66
40-<50 ft	0	26	0	57	2	6	91
50-<60 ft	1	73	1	33	2	7	117
60-<80 ft	0	122	3	27	0	4	156
80-<100 ft	1	40	0	2	0	4	47
100-<150 ft	0	10	0	0	0	1	11
150-<200 ft	0	1	0	0	0	0	1
>=200 ft	0	9	0	0	0	0	9
All	2	285	4	200	4	27	522

Table 3a.--Number of "B" and provisional permits initially issued, by permit endorsement group.

Non-"A" type of endorsement	Other endorsements on permit						No other endorsement	Total
	Pot & Trawl	Trawl	Trawl & Longline	Longline	Pot & Longline	Pot		
Trawl "B"	0	0	0	0	0	1	13	14
Trawl "Provisional"	0	0	0	0	0	0	1	1
Longline "B"	0	3	0	0	0	0	12	15
Longline "Provisional"	0	0	0	0	0	0	2	2

Table 3b.--Number of "B" and provisional permits currently active, by permit endorsement group.

Non-"A" type of endorsement	Other endorsements on permit						No other endorsement	Total
	Pot & Trawl	Trawl	Trawl & Longline	Longline	Pot & Longline	Pot		
Trawl "B"	0	0	0	0	0	0	8	8
Trawl "Provisional"	0	0	0	0	0	0	1	1
Longline "B"	0	2	0	0	0	0	11	13



Table 4.--Number of vessels with landings, by year, gear, species category, and for 1994, permit status, 1990-1994.

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
Groundfish Trawl						
Sablefish	311	295	291	296	.	255
Whiting	25	35	41	35	.	43
Other roundfish	331	320	294	296	.	258
Flatfish	350	338	316	320	.	276
Sebastes	266	282	270	277	.	241
Otr. Rockfish	354	334	316	314	.	276
Misc. Groundfish	163	171	171	170	.	157
All Groundfish	367	353	326	331	.	286
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	4
Tuna	.	.	.	.	.	.
Other species	231	236	220	213	.	193
Shrimp trawl						
Sablefish	99	79	112	123	53	90
Whiting	2	1	1	1	.	1
Other roundfish	135	115	144	160	68	126
Flatfish	127	133	127	153	79	119
Sebastes	93	105	114	141	84	88
Otr. Rockfish	241	220	230	213	82	139
Misc. Groundfish	38	15	23	25	8	10
All Groundfish	248	236	248	244	107	158
Crab	.	.	.	.	.	.
Shrimp	260	267	271	262	92	171
Tuna	.	.	.	.	1	1
Other species	73	70	80	101	46	46
Groundfish Hook and line						
Sablefish	244	319	484	305	109	148
Whiting	8	10	3	4	2	2
Other roundfish	1.129	1.095	1.140	962	742	111
Flatfish	224	251	277	193	110	71
Sebastes	1.127	1.148	1.205	1.343	896	152
Otr. Rockfish	1.607	1.632	1.619	1.336	876	162
Misc. Groundfish	83	113	112	84	45	18
All Groundfish	1.800	1.796	1.820	1.495	1.100	190
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	16	4	17	24	7	2
Other species	401	362	444	365	295	60

(continued)

Table 4.--Number of vessels with landings, by year, gear, species category, and permit status, 1990-1994 (continued).

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
<b>Groundfish Pot</b>						
Sablefish	25	29	58	34	11	31
Whiting	.	.	.	1	.	.
Other roundfish	79	59	65	68	56	15
Flatfish	30	25	29	21	4	14
Sebastes	62	47	73	70	81	11
Otr. Rockfish	106	104	132	104	77	31
Misc. Groundfish	19	11	8	8	4	.
All Groundfish	191	175	215	169	143	44
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	1	.	.	.	.	.
Other species	9	9	7	2	11	.
<b>Net</b>						
Sablefish	56	49	54	25	18	1
Whiting	5	5	1	1	.	.
Other roundfish	90	84	73	46	41	1
Flatfish	86	73	61	40	24	2
Sebastes	134	115	111	70	64	2
Otr. Rockfish	120	117	121	60	46	1
Misc. Groundfish	105	91	32	75	42	2
All Groundfish	194	172	153	112	87	4
Crab	32	21	19	19	4	1
Shrimp	.	3	1	.	.	.
Tuna	11	6	3	4	3	.
Other species	121	84	95	69	39	3
<b>Other gear</b>						
Sablefish	131	68	178	210	74	53
Whiting	8	13	4	5	4	4
Other roundfish	1,335	900	871	845	416	63
Flatfish	306	283	253	136	107	54
Sebastes	768	573	656	643	435	66
Otr. Rockfish	2,147	1,536	1,434	1,186	575	93
Misc. Groundfish	201	186	134	143	71	19
All Groundfish	2,539	1,842	1,743	1,524	853	136
Crab	922	829	816	710	370	206
Shrimp	37	55	48	52	33	12
Tuna	329	134	462	421	244	140
Other species	2,815	2,107	1,988	1,798	1,053	164

Note: Vessels fishing under appeal during 1994 are included in the appropriate permit categories. Vessels with multiple gear endorsements are included in each group for which they are qualified. Trips with groundfish in which more than 50% of revenue was earned from other species have been reclassified as "Other gear" in these tables.

Table 5.--Amount of landings (mt). by year, gear, species category, and for 1994, permit status, 1990-1994.

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
Groundfish Trawl						
Sablefish	5.080	4.901	5.287	4.781	.	3.407
Whiting	8.058	21.037	56.095	42.096	.	72.628
Other roundfish	3.064	4.408	3.128	2.973	.	2.072
Flatfish	27.105	30.114	24.376	21.718	.	14.673
Sebastes	6.518	6.667	7.722	6.469	.	5.712
Otr. Rockfish	29.236	21.785	21.225	24.581	.	18.326
Misc. Groundfish	519	884	1.211	1.607	.	1.770
All Groundfish	79.580	89.796	119.045	104.225	.	118.587
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	.	.	.	.	.	2
Other species	204	181	901	706	.	579
Shrimp Trawl						
Sablefish	24	19	124	142	29	37
Whiting	*	*	*	*	*	*
Other roundfish	35	29	25	99	31	37
Flatfish	94	74	57	95	70	157
Sebastes	271	235	265	672	201	141
Otr. Rockfish	617	566	501	656	85	126
Misc. Groundfish	1	0	0	0	0	0
All Groundfish	1,049	922	974	1,666	416	498
Crab	.	.	.	.	.	.
Shrimp	23.935	18.972	33.763	22.540	6.279	8.063
Tuna	.	.	.	.	*	*
Other species	18	43	39	37	36	15
Groundfish Hook and line						
Sablefish	1.976	3.103	2.744	1.973	69	1.933
Whiting	3	2	1	0	*	*
Other roundfish	540	347	350	303	226	56
Flatfish	51	43	33	47	13	10
Sebastes	1.421	1.498	2.545	1.933	1.208	555
Otr. Rockfish	2.179	2.629	2.795	2.375	573	415
Misc. Groundfish	138	208	181	421	156	169
All Groundfish	6.308	7.832	8.648	7.109	2.244	3.139
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	0	0	2	3	1	*
Other species	29	37	42	29	22	6

(continued)

Table 5.--Amount of landings (mt). by year, gear, species category, and for 1994, permit status, 1990-1994 (continued).

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
<b>Groundfish Pot</b>						
Sablefish	1,670	1,070	772	849	100	1,247
Whiting	.	.	.	*	.	.
Other roundfish	3	2	2	4	40	2
Flatfish	4	11	45	46	0	3
Sebastes	24	4	12	9	8	38
Otr. Rockfish	10	10	12	8	5	7
Misc. Groundfish	1	0	1	0	0	.
All Groundfish	1,711	1,098	844	916	154	1,296
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	*	.	.	.	.	.
Other species	4	3	4	0	11	.
<b>Net</b>						
Sablefish	69	36	24	12	3	*
Whiting	0	0	.	*	.	.
Other roundfish	208	150	109	156	48	*
Flatfish	280	66	49	17	3	0
Sebastes	998	564	942	593	261	0
Otr. Rockfish	1,523	980	592	441	139	*
Misc. Groundfish	27	24	22	25	11	*
All Groundfish	3,104	1,820	1,739	1,244	465	9
Crab	3	2	2	3	0	*
Shrimp	.	0	*	.	.	.
Tuna	0	0	0	1	0	.
Other species	45	16	25	12	5	0
<b>Other gear</b>						
Sablefish	110	39	52	29	5	10
Whiting	48	.	17	12	0	117
Other roundfish	158	70	94	70	50	5
Flatfish	161	204	243	153	25	52
Sebastes	117	75	93	38	199	86
Otr. Rockfish	302	199	229	213	59	20
Misc. Groundfish	44	38	33	30	13	4
All Groundfish	941	626	759	594	351	295
Crab	7,889	3,614	8,235	3,712	2,050	2,637
Shrimp	27	34	38	62	30	4
Tuna	916	377	2,382	2,366	2,216	840
Other species	21,976	15,354	14,349	11,245	3,711	688

Note: Vessels fishing under appeal during 1994 are included in the appropriate permit categories. Vessels with multiple gear endorsements are included in each group for which they are qualified. Trips with groundfish in which more than 50% of revenue was earned from other species have been reclassified as "Other gear" in these tables.

\* Data not reported in order to protect confidentiality.

Table 6.--Average amount of landings per vessel (mt), by year, gear, species category, and for 1994, permit status, 1990-1994.

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
Groundfish Trawl						
Sablefish	16.3	16.6	18.2	16.2	.	13.4
Whiting	322.3	601.0	1,353.2	1,202.7	.	1,689.0
Other roundfish	9.3	13.8	10.6	10.0	.	8.0
Flatfish	77.4	89.1	76.7	67.9	.	53.2
Sebastes	24.5	23.6	23.5	23.4	.	23.7
Otr. Rockfish	82.6	65.2	67.2	78.3	.	66.4
Misc. Groundfish	3.2	5.2	7.1	9.5	.	11.3
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	.	.	.	.	.	.6
Other species	.9	.8	4.1	3.2	.	3.0
Shrimp Trawl						
Sablefish	.2	.2	1.1	1.1	.5	.4
Whiting	*	*	*	*	*	*
Other roundfish	.3	.2	.2	.6	.5	.3
Flatfish	.7	.6	.1	.6	.9	1.3
Sebastes	2.9	2.2	2.3	4.8	2.4	1.6
Otr. Rockfish	2.6	2.6	2.2	3.0	1.0	.9
Misc. Groundfish	.0	.0	.0	.0	.0	.0
Crab	.	.	.	.	.	.
Shrimp	92.1	71.1	124.6	88.0	83.3	47.2
Tuna	.	.	.	.	.	*
Other species	.2	.6	.5	.4	.8	.3
Groundfish Hook and line						
Sablefish	8.1	9.7	5.7	6.5	.6	13.1
Whiting	.3	.2	.2	.0	*	*
Other roundfish	.5	.3	.3	.3	.3	.5
Flatfish	.2	.2	.1	.2	.1	.1
Sebastes	1.3	1.3	2.1	1.9	1.3	3.7
Otr. Rockfish	1.4	1.6	1.7	1.8	.7	2.6
Misc. Groundfish	1.7	1.8	1.6	5.0	3.5	9.4
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	.0	.0	.1	.1	.1	*
Other species	.1	.1	.1	.1	.1	.1

(continued)

Table 6.--Average amount of landings per vessel (mt), by year, gear, species category, and for 1994, permit status, 1990-1994 (continued).

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
Groundfish Pot						
Sablefish	66.8	36.9	13.3	25.0	9.1	40.2
Whiting	.	.	.	*	.	.
Other roundfish	.0	.0	.0	.1	.7	.1
Flatfish	.1	.5	1.6	2.2	.0	.2
Sebastes	.4	.1	.2	.1	.1	3.4
Otr. Rockfish	.1	.1	.1	.1	.1	.2
Misc. Groundfish	.0	.0	.1	.0	.1	.
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	*	.	.	.	.	.
Other species	.4	.3	.6	.2	1.0	.
Net						
Sablefish	1.2	.7	.4	.5	.2	*
Whiting	.1	.1	*	*	.	.
Other roundfish	2.3	1.3	1.4	3.4	1.2	*
Flatfish	3.3	.9	.3	.4	.1	.0
Sebastes	7.4	4.3	3.5	3.5	4.1	.1
Otr. Rockfish	12.7	8.4	5.9	4.4	3.0	*
Misc. Groundfish	.3	.3	.2	.3	.3	*
Crab	.1	.1	.1	.2	.0	*
Shrimp	.	.0	*	.	.	.
Tuna	.0	.0	.0	.1	.0	.
Other species	.4	.2	.3	.2	.1	.2
Other gear						
Sablefish	.8	.6	.3	.1	.1	.2
Whiting	6.0	.1	4.4	2.3	.0	29.3
Other roundfish	.1	.1	.1	.1	.1	.1
Flatfish	.5	.7	.9	.3	.2	1.0
Sebastes	.2	.1	.1	.1	.5	1.3
Otr. Rockfish	.1	.1	.2	.2	.1	.2
Misc. Groundfish	.2	.2	.2	.2	.2	.2
Crab	8.6	4.4	10.1	12.3	5.5	12.8
Shrimp	.7	.6	.8	1.2	.9	.4
Tuna	2.8	2.3	5.2	5.5	9.1	6.0
Other species	7.8	7.5	7.5	5.3	3.5	4.2

Note: Vessels fishing under appeal during 1994 are included in the appropriate permit categories. Vessels with multiple gear endorsements are included in each group for which they are qualified. Trips with groundfish in which more than 50% of revenue was earned from other species have been reclassified as "Other gear" in these tables.

\* Data not reported in order to protect confidentiality

Table 7--Ex-vessel revenue (\$1,000s), by year, gear, species category, and for 1994, permit status, 1990-1994.

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
<b>Groundfish Trawl</b>						
Sablefish	4,017	4,471	5,648	4,448	.	5,155
Whiting	1,035	2,389	5,679	2,840	.	4,849
Other roundfish	1,998	3,045	2,300	2,185	.	1,598
Flatfish	16,746	20,830	16,055	14,274	.	9,784
Sebastes	3,962	4,413	5,255	4,414	.	4,247
Otr. Rockfish	20,037	16,251	16,908	19,361	.	19,126
Misc. Groundfish	169	268	345	409	.	517
All Groundfish	47,966	51,667	52,390	47,934	.	45,277
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	.	.	.	.	.	3
Other species	265	197	153	143	.	120
<b>Shrimp Trawl</b>						
Sablefish	15	12	102	71	40	42
Whiting	*	*	*	*	*	*
Other roundfish	24	20	19	71	24	30
Flatfish	54	44	43	73	47	149
Sebastes	161	157	179	453	165	112
Otr. Rockfish	355	375	325	398	63	112
Misc. Groundfish	1	1	1	1	0	0
All Groundfish	611	609	653	1,072	339	446
Crab	.	.	.	.	.	.
Shrimp	26,215	23,613	26,212	17,934	3,845	10,926
Tuna	.	.	.	.	*	*
Other species	29	41	46	125	94	35
<b>Groundfish Hook and line</b>						
Sablefish	3,254	7,285	5,655	3,552	157	4,197
Whiting	6	5	1	3	*	*
Other roundfish	583	416	463	556	432	77
Flatfish	55	59	54	60	27	11
Sebastes	2,323	2,417	3,266	2,784	2,527	795
Otr. Rockfish	2,590	3,467	3,750	3,520	1,009	574
Misc. Groundfish	46	69	59	160	63	55
All Groundfish	8,857	13,718	13,284	10,583	4,216	5,711
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	1	0	7	4	1	*
Other species	53	55	75	39	42	7

(continued)

Table 7--Ex-vessel revenue (\$1,000s), by year, gear, species category, and for 1994, permit status, 1990-1994.  
(continued).

Gear/ Species category	1990	1991	1992	1993	1994	
					Open access	All permits
<b>Groundfish Pot</b>						
Sablefish	1.776	1.661	1.208	1.172	219	2.571
Whiting	.	.	.	*	.	.
Other roundfish	3	5	3	6	47	2
Flatfish	3	11	28	33	0	2
Sebastes	29	9	28	19	35	186
Otr. Rockfish	12	16	19	15	14	9
Misc. Groundfish	1	1	1	0	1	.
All Groundfish	1.824	1.704	1.287	1.245	316	2.769
Crab	.	.	.	.	.	.
Shrimp	.	.	.	.	.	.
Tuna	*	.	.	.	.	.
Other species	26	13	21	1	26	.
<b>Net</b>						
Sablefish	44	24	23	9	3	*
Whiting	0	1	*	*	.	.
Other roundfish	175	126	90	142	48	*
Flatfish	222	91	38	23	5	0
Sebastes	925	529	864	607	293	0
Otr. Rockfish	1.582	913	611	471	149	*
Misc. Groundfish	54	44	39	39	23	*
All Groundfish	3.003	1.727	1.666	1.293	522	10
Crab	6	5	3	5	0	*
Shrimp	.	1	*	.	.	.
Tuna	1	0	1	1	0	.
Other species	69	36	57	24	10	1
<b>Other</b>						
Sablefish	125	50	107	42	10	20
Whiting	7	1	2	1	0	6
Other roundfish	151	76	97	78	67	5
Flatfish	167	212	239	193	24	64
Sebastes	181	104	115	118	227	94
Otr. Rockfish	304	220	232	219	77	23
Misc. Groundfish	60	57	48	41	22	3
All Groundfish	995	719	840	691	428	215
Crab	25.673	11.705	20.980	21.261	5.933	7.487
Shrimp	276	386	516	340	263	57
Tuna	1.697	652	4.972	4.566	3.687	1.441
Other species	35.007	24.162	24.188	20.493	11.061	2.057

Note: Vessels fishing under appeal during 1994 are included in the appropriate permit categories. Vessels with multiple gear endorsements are included in each group for which they are qualified. Trips with groundfish in which more than 50% of revenue was earned from other species have been reclassified as "Other gear" in these tables.

\* Data not reported in order to protect confidentiality.