III. GEOGRAPHIC DISTRIBUTION OF PERMITS, TRANSFERS AND MIGRATIONS

III. GEOGRAPHIC DISTRIBUTION OF PERMITS, TRANSFERS AND MIGRATIONS

The effects of permit transfers and migration of permit holders are examined in this portion of the report. Statewide and fishery specific information is provided.

Classification of Permit Holders

In order to measure the changes in the distribution of permits, permit holders have been classified into broad categories according to where they reside. Langdon[1] divided permit holders who were residents of Alaska into those who had domiciles that were "local" and those that were "nonlocal" to the permit type. He further defined Alaskan domiciles as "rural" or "urban." Non-Alaskans were grouped as a single "nonresident" category. Langdon's conceptual categories are a useful way to examine the geographic distribution of permits. Combinations of Langdon's resident types are used in this report. The resident types are:

ARL: ***Alaska*** resident of a ***Rural*** community which is ***Local*** to the permit type for which the permit applies;

ARN: ***Alaska*** resident of a ***Rural*** community which is ***Nonlocal*** to the permit type for which the permit applies;

AUL: ***Alaska*** resident of an ***Urban*** community which is ***Local*** to the permit type for which the permit applies;[2]

AUN: ***Alaska*** resident of an ***Urban*** community which is ***Nonlocal*** to the permit type for which the permit applies;

NR: ***Nonresident*** of Alaska;

DCED/CFAB: Signifies permits which have been foreclosed upon by the Department of Commerce, Community and Economic Development (DCED) or by the Commercial Fishing and Agriculture Bank (CFAB) and have yet to be transferred.

In some cases, ARLs and ARNs will be combined into a "rural" category; AULs and AUNs into an "urban" category; ARLs and AULs into a "local" category; ARNs and AUNs into a "nonlocal" category; and ARLs, ARNs, AULs, and AUNs into an "Alaskan" category.

[1] Langdon, S. "Transfer Patterns in Alaskan Limited Fisheries" January 17, 1980.

[2] The Alaska Urban Local category is not applicable for several administrative areas which have no local communities classified as urban. These include the salmon administration areas of Yakutat, Chignik, Bristol Bay, and the Lower Yukon and the herring administrative areas of Bristol Bay, the Lower Yukon, Nelson Island, Nunivak Island and Goodnews Bay.

Decision rules for designating urban/rural and local/nonlocal classifications are described in Appendix A. For Census 2000, the Census Bureau changed its method of classifying areas as rural or urban. The Census Bureau used advances in geographic information systems (GIS) to automate the urban and rural delineation process. The Census Bureau did not automatically recognize previously existing classifications of rural or urban. There was no "grandfathering" of areas that qualified based on the results of earlier censuses. For details on this process, please see Appendix A.

Urban and rural designations in this report are based upon the most recent information from Census 2000. Because previous editions of this report used 1990 census criteria, some changes have occurred in the rural/urban designations. In general, there are now more Alaska places designated as rural, and consequently more permits issued and held by rural residents.

The local/nonlocal distinction is linked to the Alaska Department of Fish and Game's salmon administrative areas. Some inland communities are considered local to permit types in areas such as the Yukon River and Bristol Bay. A thorough description of local/nonlocal decision rules also can be found in Appendix A.

Before 1978, resident type classifications were based on address information provided to CFEC during the issuance, renewal and transfer of permits. Some nonresident applicants used an Alaska address, so were classified as residents. After l978, in an effort to improve the accuracy of resident/nonresident data, CFEC renewal and transfer forms included a sworn declaration of residency. The permit holder was additionally required to provide a valid Alaska address. Before 1982, permit renewal forms included space for only one address. The address listed may have been a temporary mailing address near the fishing grounds. As a result, a number of fishermen could have been misclassified as living in a place that was local to the permit type. Beginning in 1982, permit renewal forms included space for both a permanent and a temporary mailing address. Data suggests the number of fishermen who may have been misclassified is relatively small, although an exact number is unknown. From l982 forward, temporary mailing addresses have not been a major cause of erroneous resident classifications.[3]

[3] The first edition of this report (1983) estimated the number of transfers involving permit holders who used an "in care of" address at 2%. Since then there have been major permit file data corrections which included replacing temporary mailing addresses with permanent addresses.

Geographic Distribution of Initial Issuees

Hardship ranking systems, or "point systems", based upon past participation and economic dependence were developed for each limited entry fishery and used to allocate the original permits. The Limited Entry Act requires CFEC to determine levels within the point systems where persons would experience only minor economic hardship if excluded from an initial permit allocation. Persons who receive permanent entry permits and who are ranked at or below the minor economic hardship level receive nontransferable permits. The resulting distribution of both transferable and nontransferable permits among the resident types appears in Table 3.

Over all permit types, Alaska residents received 81.7% (13,113 permits) of the initial allocation of permits and Nonresidents received 18.3% (2,928 permits) through 2003. Of the 13,844 transferable permits issued, ARLs received more permits than any other resident type (6,742 permits, 48.7%). AULs received 3,013 permits (21.8%) and Nonresidents received 2,693 permits (19.5%). 10.1% of the transferable permits were issued to the combined ARN (622 permits or 4.5%) and AUN resident types (774 permits or 5.6%).

The percentages of transferable permits issued to the resident types vary widely between individual permit types and groups of permit types. For example, ARLs were issued 41.2% of the 8,114 transferable permits in the group of original l9 salmon permit types, and 80.0% of the 2,212 Arctic-Yukon-Kuskokwim (AYK) permits.

By the end of 2003, the distribution of permits among the resident types had changed to the levels shown in Table 4. Alaska Residents held 77.3% (11,324 permits) of all permits and Nonresidents held 22.7% (3,333 permits). Of the existing 13,660 transferable permits at the end of 2003, residents held 76.6% (10,466 permits) and nonresidents held 23.4% (3,194 permits). Seventy-five transferable permits had been foreclosed upon by DCED or CFAB and have yet to be transferred, but are included in the totals listed for Alaska Residents.

Changes in the distribution of all permits from the time of initial issue to year-end 2003, includes a 22.8% (1,711 permits) decrease in the total number of permits held by ARLs. At year-end 2003, ARLs held 51.1% of all Alaskan resident permits (5,786 out of 11,324)

and 39.5% of the total permits (5,786 out of 14,657). ARLs held 51.8% (5,426 out of 10,466) of the transferable permits held by Alaskan residents and 39.7% of all transferable permits (5,426 out of 13,660). Generally, ARLs have experienced the largest percentage decreases of transferable permits in the permit types that have been limited the longest.

The total number of permits held by AULs decreased 16.7% (685 permits) by the end of 2003. The total number of permits held by AUNs increased 44.2% (374 permits), the largest percent change of any residency type. ARNs and Nonresidents also increased their holdings of permits: 23.5% for ARNs (158 permits) and 13.8% (405 permits) for Nonresidents.

Geographic Changes in the Distribution of Permits Due to Transfer

To examine the geographical changes in permit distribution attributable to transfer activity, transfers have been divided into two groups: 1) transfers between permit holders of the same resident type and 2) transfers between persons of different resident types. Transfers within the same resident type are termed "intra-cohort", while transfers between different resident types are termed "cross-cohort". Cross-cohort transfers result in a change in the distribution of permits among the resident types.

A total of 28,854 transfers are organized by cross-cohort and intra-cohort categories in Table 5, and the actual numbers of transfers from one resident type to another are presented by year. The majority of all transfers in each year have been between persons of the same resident type. The annual percentage of intra-cohort transfers was at a high of 69.2% in 1976 and a low of 57.1% in 1988. Generally, the percentage of intra-cohort transfers was higher in the early years, from 1975 to 1981. By the end of 2003, intra-cohort transfers over all years accounted for 62.9% of the total number of transfers.

Information on the intra-cohort and cross-cohort transfers for each permit type, all years combined, is provided in Table 6. With few exceptions, the majority of transfers within each permit type have been intra-cohort. Note that for Tables 6 and 7, if transfers have not occurred for a particular permit type, the permit type does not appear in the table.

The cumulative net results of cross-cohort transfers to each resident type, by permit type, are shown in Table 7. By year-end 2003, the following changes had occurred in the distribution of transferable permits as a result of cross-cohort transfer activity:

1. Permits held by ARLs decreased in 33 of the listed permit types as the net result of cross-cohort transfer activity, which resulted in a statewide net decrease of 632 ARL permits (9.4% of the 6,742 transferable permits originally issued to ARLs). The Bristol Bay salmon drift and set gillnet permit types have had the largest numerical net decreases due to transfer activity (383 permits combined) which represent 60.6% of the 632 permit decrease. This 383 permit decrease is 30.2% of the 1,268 transferable permits originally issued to ARLs in these two permit types.

2. Permits held by ARNs increased by 192 permits due to net transfer activity, a 30.9% increase of the 622 transferable permits issued to this resident type.

3. Permits held by AULs increased by 189 permits due to net transfer activity (6.3% of the 3,013 transferable permits originally issued to this group). The largest net increases were in the salmon power troll (60 permits), Kodiak salmon seine (52 permits), and Kodiak salmon setnet (37 permits) permit types. In contrast, the number of permits held by AULs decreased in 13 permit types.

4. Permits held by AUNs have increased by 207 permits due to net transfer activity, a 26.7% increase over the 774 transferable permits initially issued to this resident type. The number of transferable permits held by AUNs has increased in 25 permit types, especially Bristol Bay salmon (137 permits), and Prince William Sound salmon (39 permits).

5. The number of permits held by Nonresidents decreased by 31 permits statewide through net transfer activity, a 1.2% decrease from the 2,693 transferable permits originally issued to nonresidents. The number of transferable permits decreased in 35 of the permit types due to net transfer activity, especially the salmon power troll (119 permits), Kodiak salmon seine and setnet (61 and 29 permits respectively), and Cook Inlet salmon drift gillnet (50 permits) permit types.

   In 17 other permit types, the number of permits held by Nonresidents increased due to net transfer activity, especially Bristol Bay salmon drift and set gillnet (209 permits), salmon hand troll (44 permits), and Cook Inlet salmon setnet (23 permits).

Geographic Changes in the Distribution of Permits Due to Migration

Other changes in residency patterns of permit distribution occur when permit holders move from one community to another. During the l975-2003 time period there were 8,964 city and/or residence indicator changes that resulted in a resident type reclassification and have been defined as “migrations” for the purposes of this report.

Migrations to and from each resident type for both transferable and nontransferable permits are shown in Table 8. In general, there appears to be considerable movement both to and from each resident type. The net results of migratory activity to each resident type

over the entire period are shown by permit type in Table 9. Some recently limited permit types have had no migratory activity, so are not listed in these tables.

The 1975-2003 geographical shifts in the distribution of permits due to migration can be summarized as follows:

1. Statewide, the number of permits held by ARLs decreased by 649 permits as the net result of migration. Migratory activities did not affect all permit types in the same manner, however. There were ARL net decreases in 43 permit types and ARL net increases in 10 others.

   The number of permits held by ARLs decreased primarily in the AYK salmon (208 permits), Bristol Bay salmon setnet (90 permits), Prince William Sound salmon seine (35 permits), and drift gillnet (31 permits), power troll (61 permits), and hand troll (64 permits) permit types. Some of the ARL gains through migration were made in the Cook Inlet salmon setnet (37 permits), Chignik salmon seine (10 permits), Cook Inlet salmon drift gillnet (21 permits) and Southeast salmon drift gillnet (9 permits) permit types.

2. The number of permits held by ARNs increased by 3 due to net migration activity. Permit types with the greatest amount of increase were AYK salmon (53 permits) and Kodiak salmon seine (7 permits). The most notable decrease was in the Bristol Bay driftnet permit type (26 permits).

3. The number of permits held by AULs decreased by 278 as the net result of migration. The decrease was primarily in the hand troll (65 permits), Cook Inlet salmon setnet (71 permits), and drift gillnet (56 permits), and Kodiak salmon seine (49 permits) permit types.

4. The number of permits held by AUNs increased by 252 as the net result of migration. Permits held by AUNs increased by 124 permits in the AYK salmon permit types and 26 permits in the hand troll permit type. However, there were net decreases in 13 permit types, particularly in the herring permit types limited in 1977-78 (19 permits), and Bristol Bay salmon driftnet permit type (22 permits).

5. Permit holders moving in and out of Alaska resulted in a net increase of 672 Nonresident permits. The Nonresident category shows net changes in the number of permits in 51 different permit types, 46 of which indicate net increases. The largest net increases in permits held by Nonresidents were in Bristol Bay salmon (143 permits), Kodiak purse seine and setnet salmon (85 permits), hand troll (96 permits), and Cook Inlet salmon (91 permits) permit types. The largest decrease in the number of permits held by nonresidents as the net result of migration occurred in the Southeast drift gillnet fishery (5 permits).

Summary of Changes in Permits Held by Resident Type

A yearly summary of the net changes in the distribution of permits by resident type as a result of transfers, migrations and cancellations is provided in Table 10. The cumulative effects of these changes are summarized below:

1. ARLs were issued 7,497 permits, (transferable and nontransferable, Table 3) through year-end 2003, which represented 46.7% of all permits. At year-end 2003, 5,786 (39.5%) of all permits were held by ARLs (Table 4). The decrease of 1,711 permits represents 22.8% of all permits originally issued to this group. Migration accounts for 37.9% of the decrease (649 permits) followed by transfer activities (36.9% or 632 permits) and cancellations (25.1% or 430 permits).

   The number of permits held by ARLs declined in all but one year since 1977. Since 1987, migration of permit holders away from rural local communities has accounted for most of the decrease, while transfers accounted for most of the decline before 1987.

2. ARNs were initially issued 671 permits (4.2% of all permits). By the end of 2003, the number of permits held by ARNs rose to 829 (5.7% of all permits). The increase of 158 permits represents a 23.5% increase over the number of permits originally issued to this group. The net increase is due to transfer activity (192 permits) and migration (3 permits). Cancellations reduced the number of ARN-held permits by 37 permits.

3. AULs received 4,099 of all permits issued through 2003 (25.6% of all permits). They held 3,414 permits at year-end 2003 (23.3% of all permits), a decrease of 685 permits. Cancellations of permits (596 permits) have been the major factor in this decrease. Most of these cancellations were in the hand-troll permit type. Nontransferable permits are normally cancelled when the permit holders dies or does not renew the permit.

   Transfer activities since 1975 have resulted in a net increase of 189 AUL-held permits, while migration has resulted in a net loss of 278 permits to other resident types.

4. AUNs received 846 (5.3%) of all permits issued through 2003. At the end of 2003, the number of permits held by AUNs had risen to 1,220 (8.3% of all permits). The increase of 374 permits represents a 44.2% increase over the number of permits originally issued to this group.

5. Nonresidents received 2,928 of all permits issued through 2003 (18.3% of all permits). By the end of 2003, Nonresidents held 3,333 permits (22.7%). The 405 net permit increase represents a 13.8% increase over the number of permits originally issued to this group.

   The overall net change has been most significantly influenced by migration (672 permits) followed by cancellations (236 permits). Net transfer activity has reduced nonresident permit holders by 31 permits. Annually, the net changes in migration and transfers have fluctuated greatly.

Appendix C documents initial issuance, transfer, migration, and cancellations of permits by permit type and by year for each of the resident types. An in-depth analysis of the movements of permits from ARL permit holders and from the Alaska Local permit holders (combined group of ARLs and AULs) are presented in subsequent chapters of this report.

TABLE 3. Total Number of Initial Permit Holders, by Fishery and Resident Type, 1975-2003*

	All Permits Issued to					All Transferable Permits Issued to					All Permits	
Permits First Issued In:	ARL	ARN	AUL	AUN	NR	ARL	ARN	AUL	AUN	NR	Alaska Total	Grand Total
1975												
SE Salmon Seine	106	0	106	0	207	106	0	106	0	207	212	419
SE Salmon Drift Gillnet	117	1	195	4	157	117	1	195	4	157	317	474
Salmon Power Troll	264	5	406	11	286	264	5	406	11	286	686	972
Yakutat Salmon Setnet	128	3	0	22	18	128	3	0	22	18	153	171
PWS Salmon Seine	186	12	0	14	55	186	12	0	14	55	212	267
PWS Salmon Drift Gillnet	350	20	0	28	139	350	20	0	28	139	398	537
PWS Salmon Setnet	21	0	0	2	7	20	0	0	2	7	23	30
Cook Inlet Salmon Seine	75	0	7	1	1	75	0	7	1	1	83	84
Cook Inlet Salmon Drift	167	10	197	11	187	167	10	197	11	187	385	572
Cook Inlet Salmon Setnet	202	16	446	26	56	202	16	446	26	56	690	746
Kodiak Salmon Seine	76	25	162	10	111	76	25	162	10	111	273	384
Kodiak Salmon Beach Seine	13	2	18	1	2	12	1	17	1	1	34	36
Kodiak Salmon Setnet	44	3	77	13	51	44	3	77	13	51	137	188
Chignik Salmon Seine	29	12	0	28	21	29	12	0	28	21	69	90
Pen/Aleutian Salmon Seine	100	0	2	3	15	100	0	2	3	15	105	120
Pen/Aleutian Salmon Drift	98	1	0	13	48	98	1	0	13	48	112	160
Pen/Aleutian Salmon Setnet	99	0	0	8	8	99	0	0	8	8	107	115
Bristol Bay Salmon Drift	711	184	0	231	746	711	184	0	231	746	1,126	1,872
Bristol Bay Salmon Setnet	661	64	0	160	155	557	49	0	139	137	885	1040
	3,447	358	1,616	586	2,270	3,341	342	1,615	565	2,251	6,007	8,277
1976												
Upper Yukon Salmon Gillnet	56	3	13	2	1	56	3	13	2	1	74	75
U Yukon Salmon Fish Wheel	141	2	18	2	2	141	2	18	2	2	163	165
Kuskokwim Salmon Gillnet	665	2	172	0	0	665	2	172	0	0	839	839
Kotzebue Salmon Gillnet	54	3	157	5	1	54	3	157	5	1	219	220
Lower Yukon Salmon Gillnet	678	19	0	12	1	678	19	0	12	1	709	710
Norton Sound Salmon Gillnet	177	1	23	2	0	177	1	23	2	0	203	203
	1,771	30	383	23	5	1,771	30	383	23	5	2,207	2,212
1977-1978												
SE Roe Herring Seine	4	0	37	0	4	4	0	37	0	4	41	45
SE Herring Gillnet	18	0	64	1	25	18	0	64	1	25	83	108
PWS Roe Herring Seine	32	41	0	20	11	32	41	0	20	11	93	104
Cook Inlet Herring Seine	45	3	4	14	8	45	3	4	14	8	66	74
	99	44	105	35	48	99	44	105	35	48	283	331
1980-1987												
Salmon Hand Troll	792	10	1155	48	156	324	1	332	11	37	2,005	2,161
NSEI Sablefish Longline	5	1	25	1	9	5	1	25	1	9	32	41
SSEI Sablefish Longline	1	0	1	0	2	1	0	1	0	2	2	4
SSEI Sablefish Pots	0	0	1	0	0	0	0	1	0	0	1	1
SE Red,Blue King Crab Pot	1	0	1	0	0	1	0	1	0	0	2	2
SE Red,Blue,Brn Kng Crb Pot	0	0	2	0	1	0	0	2	0	1	2	3
SE Brown King Crab Pot	0	0	2	0	1	0	0	2	0	1	2	3
SE Red,Blue King/Tanner Pot	1	0	11	0	0	1	0	11	0	0	12	12
SE Brown King/Tanner Pot	0	0	1	0	2	0	0	1	0	1	1	3
SE All King/Tanner Pot	4	0	16	0	1	4	0	16	0	1	20	21
SE Tanner Crab Pot	2	1	8	0	4	2	1	8	0	4	11	15
PWS Roe Herring Gillnet	20	0	0	0	4	20	0	0	0	4	20	24
PWS Her Spawn on Kelp Pnd	67	8	0	17	36	67	8	0	17	36	92	128
Kodiak Roe Herring Seine	11	9	43	2	12	9	4	36	1	4	65	77
Kodiak Roe Herring Gillnet	5	28	49	16	8	5	21	38	11	6	98	106
Kodiak Roe Her Seine/Gill	0	0	1	0	1	0	0	1	0	0	1	2
	909	57	1,316	84	237	439	36	475	41	106	2,366	2,603
1988-91												
BBay Herring Spawn on Kelp	269	5	0	5	5	269	5	0	5	5	279	284
Norton Sd Her Beach Seine	0	1	0	0	3	0	1	0	0	3	1	4
Nelson Island Her Gillnet	130	6	0	9	7	130	6	0	9	7	145	152
Nunivak Island Her Gillnet	44	3	0	8	3	41	3	0	7	3	55	58
Lower Yukon Herring Gillnet	86	1	0	2	0	86	1	0	2	0	89	89
Norton Sd Herring Gillnet	135	25	7	37	49	135	25	7	37	49	204	253
	664	41	7	61	67	661	41	7	60	67	773	840

TABLE 3. Total Number of Initial Permit Holders, by Fishery and Resident Type, 1975-2003*

	All Permits Issued to					All Transferable Permits Issued to					All Permits	
Permits First Issued In:	**ARL**	**ARN**	**AUL**	**AUN**	**NR**	**ARL**	**ARN**	**AUL**	**AUN**	**NR**	**Alaska Total**	**Grand Total**
1997												
SE Dungeness Ring Net	4	0	4	0	0	0	0	0	0	0	8	8
SE Dungeness Dive	0	0	3	0	0	0	0	0	0	0	3	3
SE Dungeness 300 Pot	8	0	31	0	12	8	0	31	0	12	39	51
SE Dungeness 225 Pot	13	0	23	1	10	13	0	21	1	10	37	47
SE Dungeness 150 Pot	25	0	47	0	12	25	0	46	0	11	72	84
SE Dungeness 75 Pot	45	1	48	0	14	34	1	28	0	6	94	108
Cook Inlet Dunge Ring Net	1	0	0	0	0	0	0	0	0	0	1	1
Cook Inlet Dungeness Pot	58	3	6	2	2	49	2	4	2	2	69	71
	154	4	162	3	50	129	3	130	3	41	323	373
1998												
NSE Her Spawn on Kelp Pnd	14	0	68	5	15	14	0	68	5	15	87	102
SSE Her Spawn on Kelp Pnd	130	0	65	1	13	100	0	42	1	10	196	209
SE Shrimp Otter Trawl	0	0	0	1	0	0	0	0	0	0	1	1
SE Shrimp Beam Trawl	14	0	10	0	4	12	0	8	0	3	24	28
SE Shrimp Pot	136	2	146	5	21	73	0	66	3	12	289	310
PWS Sablefish Net Gear	0	0	0	1	0	0	0	0	1	0	1	1
PWS Sablefish Fixed 90ft	1	0	0	0	0	1	0	0	0	0	1	1
PWS Sablefish Fixed 60ft	0	0	0	2	0	0	0	0	2	0	2	2
PWS Sablefish Fixed 50ft	5	8	0	15	4	5	8	0	15	4	28	32
PWS Sablefish Fixed 35ft	3	2	0	2	3	3	2	0	2	3	7	10
	303	12	289	32	60	208	10	184	29	47	636	696
1999-2003												
SE Urchin Dive	8	1	21	2	50	8	1	21	2	50	32	82
SE Geoduck Dive	4	0	11	1	34	4	0	11	1	34	16	50
SE Cucumber Dive	92	3	184	6	103	36	0	77	2	40	285	388
Goodnews Bay Her Gillnet	45	121	0	13	1	45	115	0	13	1	179	180
Kodiak Fd/Bt Her Seine/Gill	1	0	4	0	0	1	0	4	0	0	5	5
Kodiak Fd/Bt Her Trawl 75ft	0	0	0	0	1	0	0	0	0	1	0	1
Kodiak Fd/Bt Her Trawl 70ft	0	0	1	0	0	0	0	1	0	0	1	1
Kodiak Fd/Bt Her Trawl 60ft	0	0	0	0	2	0	0	0	0	2	0	2
	150	125	221	22	191	94	116	114	18	128	518	709
Overall Total	7,497	671	4,099	846	2,928	6,742	622	3,013	774	2,693	13,113	16,041

* Figures in this table include 1,436 permits which were cancelled because of forfeit, criminal action, revocation, reconsideration, or administrative error. Fifty-two of these permits were subsequently reinstated.

ARL - Alaskan Rural Local
ARN - Alaskan Rural Nonlocal
AUL - Alaskan Urban Local
AUN - Alaskan Urban Nonlocal
NR - Nonresident

TABLE 4. 2003 Year-end Distribution of Permit Holders by Fishery and Resident Type*

	All Permits Held By						All Transferable Permits Held By **						All Permits	
Permits First Issued in	ARL	ARN	AUL	AUN	NR	DCED CFAB	ARL	ARN	AUL	AUN	NR	DCED CFAB	Alaska Total	Grand Total
1975														
SE Salmon Seine	42	10	119	11	232	1	42	10	119	11	232	1	183	415
SE Salmon Drift	118	3	216	4	127	5	118	3	216	4	127	5	346	473
Salmon Power Troll	258	4	490	17	195	1	258	4	490	17	195	1	770	965
Yakutat Salmon Setnet	97	6	0	23	35	4	97	6	0	23	35	4	130	165
PWS Salmon Seine	116	46	0	34	69	1	116	46	0	34	69	1	197	266
PWS Salmon Drift	255	72	0	75	134	1	255	72	0	75	134	1	403	537
PWS Salmon Setnet	7	2	0	14	7	0	6	2	0	14	7	0	23	30
Cook Inlet Salmon Seine	66	0	7	0	8	0	66	0	7	0	8	0	73	81
Cook Inlet Salmon Drift	203	3	172	13	173	6	203	3	172	13	173	6	397	570
Cook Inlet Salmon Setnet	250	18	345	5	123	1	250	18	345	5	123	1	619	742
Kodiak Salmon Seine	44	37	163	32	94	7	44	37	163	32	94	7	283	377
Kodiak S Beach Seine	4	4	15	4	6	0	3	4	15	4	6	0	27	33
Kodiak Salmon Setnet	18	5	90	15	60	0	18	5	90	15	60	0	128	188
Chignik Salmon Seine	42	12	0	20	16	0	42	12	0	20	16	0	74	90
Pen/Aleutian S Seine	70	2	1	12	30	3	70	2	1	12	30	3	88	118
Pen/Aleutian Salmon Drift	38	27	0	10	78	7	38	27	0	10	78	7	82	160
Pen/Aleutian S Setnet	70	4	1	18	18	2	70	4	1	18	18	2	95	113
Bristol Bay Salmon Drift	444	161	0	288	950	18	444	161	0	288	950	18	911	1,861
Bristol Bay Salmon Setnet	402	67	0	236	291	4	356	63	0	223	276	4	709	1,000
	2,544	483	1,619	831	2,646	61	2,496	479	1,619	818	2,631	61	5,538	8,184
1976														
U Yukon Salmon Gillnet	35	2	27	7	1	0	35	2	27	7	1	0	71	72
U Yukon Fish Wheel	112	5	30	7	3	0	112	5	30	7	3	0	154	157
Kuskokwim S Gillnet	593	4	170	20	5	2	593	4	170	20	5	2	789	794
Kotzebue Salmon Gillnet	31	7	122	18	6	0	31	7	122	18	6	0	178	184
L Yukon Salmon Gillnet	585	23	0	76	8	7	585	23	0	76	8	7	691	699
Norton Sd Salmon Gillnet	129	6	17	22	4	0	129	6	17	22	4	0	174	178
	1,485	47	366	150	27	9	1,485	47	366	150	27	9	2,057	2,084
1977-1978														
SE Roe Herring Seine	3	5	20	3	14	0	3	5	20	3	14	0	31	45
SE Herring Gillnet	15	0	66	1	26	0	15	0	66	1	26	0	82	108
PWS Roe Herring Seine	24	30	0	28	22	0	24	30	0	28	22	0	82	104
Cook Inlet Herring Seine	31	4	8	11	20	0	31	4	8	11	20	0	54	74
	73	39	94	43	82	0	73	39	94	43	82	0	249	331
1980-1987														
Salmon Hand Troll	468	14	531	38	138	0	309	8	320	19	90	0	1,051	1,189
NSEI Sablefish Longline	3	2	28	1	7	0	3	2	28	1	7	0	34	41
SSEI Sablefish Longline	0	1	2	0	1	0	0	1	2	0	1	0	3	4
SSEI Sablefish Pots	1	0	0	0	0	0	1	0	0	0	0	0	1	1
SE Red,Blue King Crb Pot	0	0	2	0	0	0	0	0	2	0	0	0	2	2
SE R,B,Brn King Crab Pot	0	0	3	0	0	0	0	0	3	0	0	0	3	3
SE Brown King Crab Pot	0	0	3	0	0	0	0	0	3	0	0	0	3	3
SE R,B King/Tanner Pot	1	0	11	0	0	0	1	0	11	0	0	0	12	12
SE Brown King/Tanner Pt	0	0	2	0	0	0	0	0	2	0	0	0	2	2
SE All King/Tanner Pot	1	1	18	0	1	0	1	1	18	0	1	0	20	21
SE Tanner Crab Pot	2	1	12	0	0	0	2	1	12	0	0	0	15	15
PWS Roe Herring Gillnet	18	0	0	5	1	0	18	0	0	5	1	0	23	24
PWS Her Spawn Kelp Pnd	52	22	0	16	37	1	52	22	0	16	37	1	91	128
Kodiak Roe Herring Seine	7	11	28	4	17	1	5	10	25	3	10	1	51	68
Kodiak Roe Her Gillnet	8	17	47	10	10	0	8	15	40	8	10	0	82	92
Kodiak Roe Her Seine/Gill	1	0	1	0	0	0	0	0	1	0	0	0	2	2
	562	69	688	74	212	2	400	60	467	52	157	2	1,395	1,607
1988-1991														
BBay Her Spawn on Kelp	251	9	0	12	10	0	251	9	0	12	10	0	272	282
Norton Sd H Beach Seine	0	1	0	0	3	0	0	1	0	0	3	0	1	4
Nelson Island Her Gillnet	118	4	0	9	5	0	118	4	0	9	5	0	131	136
Nunivak Is Her Gillnet	33	1	0	10	3	0	33	1	0	8	3	0	44	47
Lower Yukon Her Gillnet	64	0	0	1	0	0	64	0	0	1	0	0	65	65
Norton Sd Herring Gillnet	97	44	3	35	64	1	97	44	3	35	64	1	180	244
	563	59	3	67	85	1	563	59	3	65	85	1	693	778

TABLE 4. 2003 Year-end Distribution of Permit Holders by Fishery and Resident Type*

	All Permits Held By						All Transferable Permits Held By**						All Permits	
Permits First Issued in:	**ARL**	**ARN**	**AUL**	**AUN**	**NR**	**DCED CFAB**	**ARL**	**ARN**	**AUL**	**AUN**	**NR**	**DCED CFAB**	**Alaska Total**	**Grand Total**
1997														
SE Dungeness Ring Net	3	0	3	0	0	0	0	0	0	0	0	0	6	6
SE Dungeness Dive	0	0	1	0	1	0	0	0	0	0	0	0	1	2
SE Dungeness 300 Pot	4	0	37	1	6	0	4	0	37	1	6	0	42	48
SE Dungeness 225 Pot	10	0	24	0	9	0	10	0	22	0	9	0	34	43
SE Dungeness 150 Pot	29	0	41	0	12	0	29	0	40	0	11	0	70	82
SE Dungeness 75 Pot	42	1	41	0	14	2	33	1	23	0	9	2	86	100
Cook Inlet Dungeness Pot	56	3	6	2	3	0	47	2	5	2	3	0	67	70
	144	4	153	3	45	2	123	3	127	3	38	2	306	351
1998														
NSE Her Spawn Kelp Pnd	15	0	72	1	13	0	15	0	72	1	13	0	88	101
SSE Her Spawn Kelp Pnd	93	0	72	0	21	0	79	0	52	0	16	0	165	186
SE Shrimp Otter	0	0	0	1	0	0	0	0	0	0	0	0	1	1
SE Shrimp Beam Trawl	13	0	11	0	3	0	11	0	10	0	2	0	24	27
SE Shrimp Pot	126	0	127	3	27	0	69	0	62	2	21	0	256	283
PWS Sablefish Net Gear	0	0	0	1	0	0	0	0	0	1	0	0	1	1
PWS Sablefish Fixed 90ft	1	0	0	0	0	0	1	0	0	0	0	0	1	1
PWS Sablefish Fixed 60ft	0	1	0	1	0	0	0	1	0	1	0	0	2	2
PWS Sablefish Fixed 50ft	10	6	0	15	1	0	10	6	0	15	1	0	31	32
PWS Sablefish Fixed 35ft	6	2	0	1	0	0	6	2	0	1	0	0	9	9
	264	9	282	23	65	0	191	9	196	21	53	0	578	643
1999-2003														
SE Urchin Dive	11	0	20	1	49	0	11	0	20	1	49	0	32	81
SE Geoduck Dive	4	0	12	3	30	0	4	0	12	3	30	0	19	49
SE Cucumber Dive	95	2	172	10	88	0	39	2	71	5	38	0	279	367
Goodnews Bay Her Gillnet	40	117	0	15	1	0	40	111	0	15	1	0	172	173
Kodiak Fd/Bt Her Seine/Gill	1	0	4	0	0	0	1	0	4	0	0	0	5	5
Kodiak Fd/Bt H Trawl 75ft	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Kodiak Fd/Bt H Trawl 70ft	0	0	1	0	0	0	0	0	1	0	0	0	1	1
Kodiak Fd/Bt H Trawl 60ft	0	0	0	0	2	0	0	0	0	0	2	0	0	2
	151	119	209	29	171	0	95	113	108	24	121	0	508	679
Overall Total	5,786	829	3,414	1,220	3,333	75	5,426	809	2,980	1,176	3,194	75	11,324	14,657

* This table excludes 1,384 permits which were cancelled by CFEC and not reinstated.

** By 2003, the net effects of transferable and nontransferable permits changing status through the CFEC adjudication process resulted in the addition of 127 transferable permits.

ARL - Alaskan Rural Local
ARN - Alaskan Rural Nonlocal
AUL - Alaskan Urban Local
AUN - Alaskan Urban Nonlocal
NR - Nonresident
DCED/CFAB - Department of Commerce, Community and Economic Development/Commercial Fishing and Agriculture Bank

TABLE 5. Numbers of Transfers Between Resident Types by Year, 1975-2003

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Cross-Cohort														
Rural Local to:														
Rural Nonlocal	2	6	7	9	8	9	10	15	8	9	13	19	14	8
Urban Local	21	33	57	48	43	45	56	33	34	38	28	34	30	40
Urban Nonlocal	6	9	24	44	42	48	50	51	57	28	35	35	28	22
Nonresident	14	37	47	62	43	45	44	60	44	49	39	50	40	41
DCED/CFAB	0	0	0	0	0	0	0	1	5	2	3	6	5	6
	43	85	135	163	136	147	160	160	148	126	118	144	117	117
Rural Nonlocal to:														
Rural Local	2	4	5	7	3	6	4	10	5	7	6	6	8	5
Urban Local	1	6	3	5	4	2	5	9	3	5	4	3	1	2
Urban Nonlocal	1	3	9	7	11	10	12	10	14	7	8	10	16	19
Nonresident	0	2	12	16	6	4	11	9	4	11	16	12	9	12
DCED/CFAB	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	4	15	29	35	24	22	32	38	26	30	34	31	36	40
Urban Local to:														
Rural Local	23	26	27	26	29	13	35	27	24	30	34	46	48	30
Rural Nonlocal	3	1	1	5	4	2	0	3	3	2	5	5	9	10
Urban Nonlocal	1	3	6	7	9	5	2	8	7	3	7	10	10	13
Nonresident	10	16	22	27	42	30	22	41	42	59	48	32	30	52
DCED/CFAB	0	0	0	0	0	0	0	10	5	3	6	5	5	2
	37	46	56	65	84	50	59	89	81	97	100	98	102	107
Urban Nonlocal to:														
Rural Local	7	5	9	22	10	13	14	10	12	14	24	14	23	18
Rural Nonlocal	2	3	6	7	8	7	6	14	12	5	15	10	15	18
Urban Local	0	6	10	11	3	7	3	5	8	8	7	7	6	14
Nonresident	4	10	16	15	27	18	23	30	16	24	26	22	28	32
DCED/CFAB	0	0	0	0	0	0	0	0	2	0	1	3	0	3
	13	24	41	55	48	45	46	59	50	51	73	56	72	85
Nonresident to:														
Rural Local	35	28	32	38	13	21	23	31	19	15	30	26	27	36
Rural Nonlocal	2	7	7	9	10	12	12	10	16	9	17	20	24	18
Urban Local	40	28	38	46	42	36	22	26	30	21	29	42	42	42
Urban Nonlocal	10	6	8	21	23	18	29	17	34	23	25	40	20	22
DCED/CFAB	0	0	0	0	0	0	0	0	0	1	0	0	1	0
	87	69	85	114	88	87	86	84	99	69	101	128	114	118
DCED/CFAB to:														
Rural Local	0	0	0	0	0	0	0	1	2	2	0	2	1	6
Rural Nonlocal	0	0	0	0	0	0	0	0	0	0	3	2	2	2
Urban Local	0	0	0	0	0	0	0	1	5	6	5	5	6	1
Urban Nonlocal	0	0	0	0	0	0	0	0	0	2	1	5	5	6
Nonresident	0	0	0	0	0	0	0	0	1	0	0	1	1	1
	0	0	0	0	0	0	0	2	8	10	9	15	15	16
Intra-Cohort														
Transfers Between:														
Rural Local	97	155	264	316	301	275	267	263	339	246	240	247	251	239
Rural Nonlocal	6	7	20	36	38	27	16	23	22	21	26	26	28	28
Urban Local	125	124	202	232	193	170	181	181	218	166	184	230	170	162
Urban Nonlocal	5	19	44	54	61	57	55	52	43	63	50	40	60	63
Nonresident	173	232	232	244	236	180	190	193	177	174	176	176	155	150
	406	537	762	882	829	709	709	712	799	670	676	719	664	642
GRAND TOTALS	590	776	1,108	1,314	1,209	1,060	1,092	1,144	1,211	1,053	1,111	1,191	1,120	1,125

TABLE 5. Numbers of Transfers Between Resident Types by Year, 1975-2003

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Cross-Cohort															
Rural Local to:															
Rural Nonlocal	12	4	11	12	9	5	14	14	5	8	3	7	4	4	6
Urban Local	39	32	25	33	28	20	21	25	30	31	22	21	20	23	26
Urban Nonlocal	16	15	19	13	18	12	20	15	13	13	11	14	13	6	11
Nonresident	31	37	36	41	37	37	39	48	30	30	25	20	26	22	26
DCED/CFAB	1	1	4	3	3	2	3	0	1	1	4	7	9	16	17
	99	89	95	102	95	76	97	102	79	83	65	69	72	71	86
Rural Nonlocal to:															
Rural Local	4	8	3	6	4	5	14	5	8	4	6	12	4	6	9
Urban Local	3	2	4	6	3	4	3	5	3	4	1	3	1	0	2
Urban Nonlocal	7	14	12	14	10	12	14	8	9	4	3	5	6	5	9
Nonresident	7	12	13	13	9	12	7	23	17	14	13	7	4	8	17
DCED/CFAB	0	0	0	1	0	4	1	0	1	2	2	2	2	4	5
	21	36	32	40	26	37	39	41	38	28	25	29	17	23	42
Urban Local to:															
Rural Local	40	42	29	32	31	23	30	24	33	26	27	33	23	23	20
Rural Nonlocal	9	5	9	5	2	1	6	4	2	2	1	1	2	2	2
Urban Nonlocal	5	10	3	7	2	4	5	1	7	4	2	8	7	4	3
Nonresident	30	34	22	27	19	37	30	34	25	27	15	22	32	23	27
DCED/CFAB	0	0	0	5	3	2	2	1	3	2	5	3	4	5	6
	84	91	63	76	57	67	73	64	70	61	50	67	68	57	58
Urban Nonlocal to:															
Rural Local	8	17	16	28	12	12	22	28	17	16	13	25	22	17	25
Rural Nonlocal	9	19	18	9	8	12	16	15	8	6	4	5	11	2	3
Urban Local	8	8	4	8	2	3	6	1	4	4	6	6	6	4	7
Nonresident	18	16	24	21	16	24	27	18	25	21	16	24	12	21	21
DCED/CFAB	2	0	1	0	0	2	1	1	0	2	0	3	3	14	5
	45	60	63	66	38	53	72	63	54	49	39	63	54	58	61
Nonresident to:															
Rural Local	27	28	36	30	29	38	28	32	47	36	37	44	33	34	43
Rural Nonlocal	14	16	14	10	15	14	21	17	21	19	18	14	15	8	15
Urban Local	31	22	19	25	20	27	36	33	54	36	33	49	57	32	40
Urban Nonlocal	20	26	20	12	16	17	19	17	29	17	17	22	32	16	22
DCED/CFAB	0	1	0	0	0	1	0	1	2	0	1	3	2	6	4
	92	93	89	77	80	97	104	100	153	108	106	132	139	96	124
DCED/CFAB to:															
Rural Local	1	0	0	1	5	1	5	1	1	1	4	4	2	4	4
Rural Nonlocal	0	0	1	0	1	2	1	0	0	1	1	1	1	2	4
Urban Local	1	0	2	2	2	3	1	1	1	0	5	7	5	0	4
Urban Nonlocal	2	0	2	0	1	0	3	0	0	0	2	6	3	5	2
Nonresident	1	1	2	0	0	1	0	0	0	0	0	0	0	5	2
	5	1	7	3	9	7	10	2	2	2	12	18	11	16	16
Intra-Cohort															
Transfers Between:															
Rural Local	234	211	205	206	218	213	236	226	200	194	193	189	201	142	146
Rural Nonlocal	28	18	33	28	27	29	31	32	19	24	22	31	21	24	16
Urban Local	126	169	148	135	126	120	125	77	146	123	114	142	144	111	137
Urban Nonlocal	52	43	30	42	32	38	53	61	31	24	40	37	41	28	48
Nonresident	128	139	164	177	146	171	170	173	169	164	148	187	190	167	208
	568	580	580	588	549	571	615	569	565	529	517	586	597	472	555
GRAND TOTALS	914	950	929	952	854	908	1,010	941	961	860	814	964	958	793	942

TABLE 6. Numbers of Intra-Cohort and Cross-Cohort Transfers By Fishery, 1975-2003*

Permits Issued Beginning in:	Intra Cohort		Cross Cohort		Total
	Count	Percent	Count	Percent	Transfers
1975					
SE Salmon Seine	639	65.5	336	34.5	975
SE Salmon Drift	976	63.4	564	36.6	1,540
Salmon Power Troll	1,352	56.7	1,032	43.3	2,384
Yakutat Salmon Setnet	320	69.7	139	30.3	459
PWS Salmon Seine	434	61.4	273	38.6	707
PWS Salmon Drift	751	53.6	649	46.4	1,400
PWS Salmon Setnet	58	60.4	38	39.6	96
Cook Inlet Salmon Seine	154	72.6	58	27.4	212
Cook Inlet Salmon Drift	1,026	64.9	555	35.1	1,581
Cook Inlet Salmon Setnet	1,379	62.6	825	37.4	2,204
Kodiak Salmon Seine	545	53.5	473	46.5	1,018
Kodiak Salmon Beach Seine	78	62.4	47	37.6	125
Kodiak Salmon Setnet	427	61.3	270	38.7	697
Chignik Salmon Seine	76	54.7	63	45.3	139
Pen/Aleutian Salmon Seine	167	67.1	82	32.9	249
Pen/Aleutian Salmon Drift	266	57.8	194	42.2	460
Pen/Aleutian Salmon Setnet	252	65.8	131	34.2	383
Bristol Bay Salmon Drift	2,797	66.7	1,397	33.3	4,194
Bristol Bay Salmon Setnet	1,580	60.4	1,034	39.6	2,614
	13,277	61.9	8,160	38.1	21,437
1976					
Upper Yukon Salmon Gillnet	59	57.8	43	42.2	102
U Yukon Salmon Fish Wheel	173	69.2	77	30.8	250
Kuskokwim Salmon Gillnet	941	80.6	226	19.4	1,167
Kotzebue Salmon Gillnet	261	77.0	78	23.0	339
Lower Yukon Salmon Gillnet	749	77.1	222	22.9	971
Norton Sound Salmon Gillnet	241	75.3	79	24.7	320
	2,424	77.0	725	23.0	3,149
1977-1978					
SE Roe Herring Seine	27	40.9	39	59.1	66
SE Herring Gillnet	129	55.4	104	44.6	233
PWS Roe Herring Seine	95	52.5	86	47.5	181
Cook Inlet Herring Seine	77	54.2	65	45.8	142
	328	52.7	294	47.3	622
1980-1987					
Salmon Hand Troll	1,162	61.3	735	38.7	1,897
NSEI Sablefish Longline	32	69.6	14	30.4	46
SSEI Sablefish Longline	3	30.0	7	70.0	10
SSEI Sablefish Pots	0	0.0	1	100.0	1
SE Red,Blue King Crab Pot	3	75.0	1	25.0	4
SE Red,Blue,Brn Kng Crb Pot	1	50.0	1	50.0	2
SE Brown King Crab Pot	3	75.0	1	25.0	4
SE Red,Blue King/Tanner Pot	8	72.7	3	27.3	11
SE Brown King/Tanner Pot	0	0.0	1	100.0	1
SE All King/Tanner Pot	11	73.3	4	26.7	15
SE Tanner Crab Pot	6	50.0	6	50.0	12
PWS Roe Herring Gillnet	24	61.5	15	38.5	39
PWS Her Spawn on Kelp Pound	49	37.7	81	62.3	130
Kodiak Roe Herring Seine	36	37.1	61	62.9	97
Kodiak Roe Herring Gillnet	85	51.8	79	48.2	164
	1,423	58.5	1,010	41.5	2,433
1988-1991					
BBay Herring Spawn on Kelp	81	82.7	17	17.3	98
Norton Sd Her Beach Seine	1	100.0	0	0.0	1
Nelson Island Her Gillnet	40	76.9	12	23.1	52
Nunivak Island Her Gillnet	10	71.4	4	28.6	14
Lower Yukon Herring Gillnet	39	97.5	1	2.5	40
Norton Sd Herring Gillnet	153	53.1	135	46.9	288
	324	65.7	169	34.3	493

TABLE 6. Numbers of Intra-Cohort and Cross-Cohort Transfers By Fishery, 1975-2003*

Permits Issued Beginning in:	Intra Cohort		Cross Cohort		Total
	Count	Percent	Count	Percent	Transfers
1997					
SE Dungeness 300 Pot	26	54.2	22	45.8	48
SE Dungeness 225 Pot	26	60.5	17	39.5	43
SE Dungeness 150 Pot	66	61.7	41	38.3	107
SE Dungeness 75 Pot	56	49.6	57	50.4	113
Cook Inlet Dungeness Pot	7	87.5	1	12.5	8
	181	56.7	138	43.3	319
1998					
NSE Her Spawn on Kelp Pound	38	48.7	40	51.3	78
SSE Her Spawn on Kelp Pound	35	50.7	34	49.3	69
SE Shrimp Beam Trawl	5	62.5	3	37.5	8
SE Shrimp Pot	47	48.5	50	51.5	97
PWS Sablefish Fixed 90ft	1	100.0	0	0.0	1
PWS Sablefish Fixed 60ft	0	0.0	1	100.0	1
PWS Sablefish Fixed 50ft	7	46.7	8	53.3	15
PWS Sablefish Fixed 35ft	4	36.4	7	63.6	11
	137	48.9	143	51.1	280
1999-2003					
SE Urchin Dive	26	46.4	30	53.6	56
SE Geoduck Dive	9	60.0	6	40.0	15
SE Cucumber Dive	17	45.9	20	54.1	37
Goodnews Bay Her Gillnet	11	84.6	2	15.4	13
	63	52.1	58	47.9	121
Statewide Totals	18,157	62.9	10,697	37.1	28,854

* The number of transfers includes 271 permit foreclosures and 196 subsequent transfers of these permits. In this table these are counted as cross-cohort transfers.

TABLE 7. Net Shifts in Resident Types Due to Transfer Activity by Fishery, 1975-2003

Permits Issued Beginning in:	ARL	ARN	AUL	AUN	NR	DCED CFAB
1975						
SE Salmon Seine	-65	6	30	16	12	1
SE Salmon Drift	-7	11	21	-5	-25	5
Salmon Power Troll	57	-4	60	5	-119	1
Yakutat Salmon Setnet	-13	6	0	-7	10	4
PWS Salmon Seine	-34	35	0	0	-2	1
PWS Salmon Drift	-63	68	0	29	-35	1
PWS Salmon Setnet	-9	3	0	10	-4	0
Cook Inlet Salmon Seine	-3	2	1	2	-2	0
Cook Inlet Salmon Drift	15	-2	32	-1	-50	6
Cook Inlet Salmon Setnet	13	0	-28	-9	23	1
Kodiak Salmon Seine	-13	5	52	10	-61	7
Kodiak Salmon Beach Seine	-3	1	-3	1	4	0
Kodiak Salmon Setnet	-10	-1	37	3	-29	0
Chignik Salmon Seine	3	4	0	1	-8	0
Pen/Aleutian Salmon Seine	-23	0	-2	6	16	3
Pen/Aleutian Salmon Drift	-59	29	0	0	23	7
Pen/Aleutian Salmon Setnet	-3	4	1	-5	1	2
Bristol Bay Salmon Drift	-227	4	0	81	124	18
Bristol Bay Salmon Setnet	-156	11	0	56	85	4
	-600	182	201	193	-37	61
1976						
Upper Yukon Salmon Gillnet	-3	0	1	3	-1	0
U Yukon Salmon Fish Wheel	5	-1	0	-3	-1	0
Kuskokwim Salmon Gillnet	5	-7	2	-2	0	2
Kotzebue Salmon Gillnet	-8	1	9	-2	0	0
Lower Yukon Salmon Gillnet	-5	-22	0	20	0	7
Norton Sound Salmon Gillnet	-2	-3	-1	3	3	0
	-8	-32	11	19	1	9
1977-1978						
SE Roe Herring Seine	0	5	-17	3	9	0
SE Herring Gillnet	-2	1	10	0	-9	0
PWS Roe Herring Seine	2	-9	0	12	-5	0
Cook Inlet Herring Seine	-10	-2	0	12	0	0
	-10	-5	-7	27	-5	0
1980-1987						
Salmon Hand Troll	-10	6	-39	-1	44	0
NSEI Sablefish Longline	2	1	2	-2	-3	0
SSEI Sablefish Longline	-1	1	2	-1	-1	0
SSEI Sablefish Pots	1	0	-1	0	0	0
SE Red,Blue King Crab Pot	-1	0	1	0	0	0
SE Red,Blue,Brn Kng Crb Pot	0	0	1	0	-1	0
SE Brown King Crab Pot	0	0	1	0	-1	0
SE Red,Blue King/Tanner Pot	0	0	1	0	-1	0
SE Brown King/Tanner Pot	0	0	1	0	-1	0
SE All King/Tanner Pot	-2	1	2	0	-1	0
SE Tanner Crab Pot	0	0	4	0	-4	0
PWS Roe Herring Gillnet	2	1	0	2	-5	0
PWS Her Spawn on Kelp Pound	-3	13	0	-2	-9	1
Kodiak Roe Herring Seine	4	4	-11	4	-2	1
Kodiak Roe Herring Gillnet	3	-7	2	2	0	0
	-5	20	-34	2	15	2
1988-1991						
BBay Herring Spawn on Kelp	4	0	0	-3	-1	0
Norton Sd Her Beach Seine	0	0	0	0	0	0
Nelson Island Her Gillnet	10	-1	0	-7	-2	0
Nunivak Island Her Gillnet	0	0	0	0	0	0
Lower Yukon Herring Gillnet	1	0	0	-1	0	0
Norton Sd Herring Gillnet	-26	27	-2	-14	14	1
	-11	26	-2	-25	11	1

TABLE 7. Net Shifts in Resident Types Due to Transfer Activity by Fishery, 1975-2003

Permits Issued Beginning in:	ARL	ARN	AUL	AUN	NR	DCED CFAB
1997						
SE Dungeness 300 Pot	-1	0	10	1	-10	0
SE Dungeness 225 Pot	0	0	1	-1	0	0
SE Dungeness 150 Pot	8	0	-3	-3	-2	0
SE Dungeness 75 Pot	-1	0	-5	0	4	2
Cook Inlet Dungeness Pot	-1	0	1	0	0	0
	5	0	4	-3	-8	2
1998						
NSE Her Spawn on Kelp Pound	1	-1	6	-3	-3	0
SSE Her Spawn on Kelp Pound	-14	1	11	-1	3	0
SE Shrimp Beam Trawl	0	0	1	0	-1	0
SE Shrimp Pot	-3	0	2	-3	4	0
PWS Sablefish Fixed 90ft	0	0	0	0	0	0
PWS Sablefish Fixed 60ft	0	1	0	-1	0	0
PWS Sablefish Fixed 50ft	3	-1	0	1	-3	0
PWS Sablefish Fixed 35ft	4	0	0	-2	-2	0
	-9	0	20	-9	-2	0
1999-2003						
SE Urchin Dive	2	0	-4	-1	3	0
SE Geoduck Dive	0	0	2	2	-4	0
SE Cucumber Dive	5	0	-2	2	-5	0
Goodnews Bay Her Gillnet	-1	1	0	0	0	0
	6	1	-4	3	-6	0
Net Shifts 1975-2003	-632	192	189	207	-31	75

ARL - Alaskan Rural Local
ARN - Alaskan Rural Nonlocal
AUL - Alaskan Urban Local
AUN - Alaskan Urban Nonlocal
NR - Nonresident
DCED/CFAB - Department of Commerce, Community and Economic Development/Commercial Fishing and Agriculture Bank

TABLE 8. Numbers of Cross-Cohort Migrations by Year, 1975-2003

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Rural Local to:															
Rural Nonlocal	0	4	6	9	6	6	5	18	8	15	5	6	6	9	11
Urban Local	0	11	29	27	29	25	21	35	22	37	35	33	27	34	39
Urban Nonlocal	0	18	20	12	19	28	27	50	20	30	28	29	32	33	41
Nonresident	0	9	31	66	33	27	32	31	17	36	26	36	37	46	40
	0	42	86	114	87	86	85	134	67	118	94	104	102	122	131
Rural Nonlocal to:															
Rural Local	0	3	9	6	9	7	2	7	5	4	5	7	5	8	14
Urban Local	0	3	2	5	0	1	2	2	3	3	1	3	2	4	3
Urban Nonlocal	0	3	8	9	7	9	6	8	8	3	8	6	14	9	13
Nonresident	0	1	8	4	3	9	2	0	7	4	4	6	7	8	8
	0	10	27	24	19	26	12	17	23	14	18	22	28	29	38
Urban Local to:															
Rural Local	0	24	21	27	39	35	21	26	19	76	44	39	34	47	36
Rural Nonlocal	0	3	5	1	7	2	2	2	2	7	5	1	6	4	3
Urban Nonlocal	0	2	8	5	3	4	9	6	1	5	6	14	9	11	9
Nonresident	0	12	18	48	17	24	20	15	14	16	21	28	29	38	49
	0	41	52	81	66	65	52	49	36	104	76	82	78	100	97
Urban Nonlocal to:															
Rural Local	0	32	22	32	19	19	32	25	25	31	17	24	25	20	27
Rural Nonlocal	0	10	6	6	12	5	7	7	10	6	7	17	12	20	13
Urban Local	0	2	4	3	4	4	1	5	4	7	6	3	6	10	8
Nonresident	0	5	8	18	12	7	6	12	4	10	10	14	12	16	33
	0	49	40	59	47	35	46	49	43	54	40	58	55	66	81
Nonresident to:															
Rural Local	0	32	17	21	33	33	34	31	49	35	27	18	25	22	30
Rural Nonlocal	0	4	3	3	5	2	5	7	4	2	5	6	3	5	2
Urban Local	0	23	16	24	14	15	17	32	21	26	33	25	19	23	16
Urban Nonlocal	0	4	8	5	4	5	9	16	16	16	5	6	3	7	4
	0	63	44	53	56	55	65	86	90	79	70	55	50	57	52
GRAND TOTALS	0	205	249	331	275	267	260	335	259	369	298	321	313	374	399

TABLE 8. Numbers of Cross-Cohort Migrations by Year, 1975-2003

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	All Years Totals	% of Grand Total
Rural Local to:																
Rural Nonlocal	21	7	8	8	18	10	16	7	6	14	10	5	7	11	262	2.9
Urban Local	55	41	34	38	30	30	27	31	34	45	43	46	50	24	932	10.4
Urban Nonlocal	63	43	28	27	28	48	41	38	43	55	46	70	43	28	988	11.0
Nonresident	38	26	20	33	29	34	33	35	28	31	52	24	47	32	929	10.4
	177	117	90	106	105	122	117	111	111	145	151	145	147	95	3,111	34.7
Rural Nonlocal to:																
Rural Local	3	8	12	11	2	5	7	8	17	5	9	1	8	8	195	2.2
Urban Local	6	3	4	0	4	5	1	6	1	1	2	0	7	1	75	0.8
Urban Nonlocal	16	16	10	10	15	11	2	12	13	23	13	14	14	11	291	3.2
Nonresident	12	8	5	11	11	8	6	5	14	8	8	11	10	7	195	2.2
	37	35	31	32	32	29	16	31	45	37	32	26	39	27	756	8.4
Urban Local to:																
Rural Local	27	42	40	24	33	33	25	19	28	25	36	28	18	16	882	9.8
Rural Nonlocal	3	5	3	1	3	6	4	5	2	2	6	0	4	3	97	1.1
Urban Nonlocal	13	13	12	6	16	4	15	4	11	15	8	7	5	2	223	2.5
Nonresident	28	36	30	27	26	33	36	32	34	31	41	37	40	29	809	9.0
	71	96	85	58	78	76	80	60	75	73	91	72	67	50	2,011	22.4
Urban Nonlocal to:																
Rural Local	29	26	23	21	30	16	28	25	23	20	20	23	17	20	671	7.5
Rural Nonlocal	12	16	8	10	9	5	17	9	9	13	14	12	5	8	285	3.2
Urban Local	4	9	8	5	2	4	6	6	8	5	5	4	8	6	147	1.6
Nonresident	13	13	13	14	15	11	21	14	13	15	14	14	11	13	361	4.0
	58	64	52	50	56	36	72	54	53	53	53	53	41	47	1,464	16.3
Nonresident to:																
Rural Local	18	28	38	17	21	19	17	23	18	25	16	22	19	26	714	8.0
Rural Nonlocal	1	5	5	0	8	2	5	2	6	4	8	0	7	6	115	1.3
Urban Local	18	16	22	28	19	19	19	13	25	17	15	16	21	27	579	6.5
Urban Nonlocal	6	7	7	9	10	7	7	4	10	9	6	6	11	7	214	2.4
	43	56	72	54	58	47	48	42	59	55	45	44	58	66	1,622	18.1
GRAND TOTALS	386	368	330	300	329	310	333	298	343	363	372	340	352	285	8,964	100.0

TABLE 9. Net Shifts in Resident Types Due to Migration Activity, by Fishery, 1975-2003

Permits Issued Beginning in:	ARL	ARN	AUL	AUN	NR
1975					
SE Salmon Seine	3	4	-16	-5	14
SE Salmon Drift	9	-9	0	5	-5
Salmon Power Troll	-61	3	25	3	30
Yakutat Salmon Setnet	-17	-3	0	9	11
PWS Salmon Seine	-35	-1	0	20	16
PWS Salmon Drift	-31	-16	0	17	30
PWS Salmon Setnet	-5	-1	0	2	4
Cook Inlet Salmon Seine	-5	-2	0	-3	10
Cook Inlet Salmon Drift	21	-5	-56	3	37
Cook Inlet Salmon Setnet	37	2	-71	-12	44
Kodiak Salmon Seine	-18	7	-49	13	47
Kodiak Salmon Beach Seine	-6	1	2	2	1
Kodiak Salmon Setnet	-16	3	-24	-1	38
Chignik Salmon Seine	10	-4	0	-9	3
Pen/Aleutian Salmon Seine	-6	2	1	3	0
Pen/Aleutian Salmon Drift	-1	-3	0	-3	7
Pen/Aleutian Salmon Setnet	-24	0	0	15	9
Bristol Bay Salmon Drift	-37	-26	0	-22	85
Bristol Bay Salmon Setnet	-90	-1	0	33	58
	-272	-49	-188	70	439
1976					
Upper Yukon Salmon Gillnet	-17	-1	13	2	3
U Yukon Salmon Fish Wheel	-28	4	12	9	3
Kuskokwim Salmon Gillnet	-46	9	5	25	7
Kotzebue Salmon Gillnet	-6	4	-27	21	8
Lower Yukon Salmon Gillnet	-81	28	0	46	7
Norton Sound Salmon Gillnet	-30	9	-2	21	2
	-208	53	1	124	30
1977-1978					
SE Roe Herring Seine	-1	0	1	0	0
SE Herring Gillnet	-1	-1	-8	0	10
PWS Roe Herring Seine	-10	-2	0	-4	16
Cook Inlet Herring Seine	-4	3	4	-15	12
	-16	0	-3	-19	38
1980-1987					
Salmon Hand Troll	-64	7	-65	26	96
NSEI Sablefish Longline	-4	0	1	2	1
SSEI Sablefish Longline	0	0	-1	1	0
SE Red,Blue King/Tanner Pot	0	0	-1	0	1
SE All King/Tanner Pot	-1	0	0	0	1
PWS Roe Herring Gillnet	-4	-1	0	3	2
PWS Her Spawn on Kelp Pound	-13	1	0	1	11
Kodiak Roe Herring Seine	-8	2	-3	-1	10
Kodiak Roe Her Gillnet	0	1	-1	-5	5
Kodiak Roe Her Seine/Gill	1	0	0	0	-1
	-93	10	-70	27	126
1988-1991					
BBay Herring Spawn on Kelp	-21	4	0	11	6
Nelson Island Her Gillnet	-10	0	0	8	2
Nunivak Island Her Gillnet	-4	-1	0	5	0
Lower Yukon Herring Gillnet	-1	1	0	0	0
Norton Sd Herring Gillnet	-7	-9	-2	14	4
	-43	-5	-2	38	12

TABLE 9. Net Shifts in Resident Types Due to Migration Activity, by Fishery, 1975-2003

Permits Issued Beginning in:	ARL	ARN	AUL	AUN	NR
1997					
SE Dungeness Dive	0	0	-2	0	2
SE Dungeness 300 Pot	-1	0	-4	0	5
SE Dungeness 225 Pot	-2	0	1	0	1
SE Dungeness 150 Pot	-3	0	-3	3	3
SE Dungeness 75 Pot	-2	0	3	0	-1
Cook Inlet Dungeness Pot	0	0	-1	0	1
	-8	0	-6	3	11
1998					
NSE Her Spawn on Kelp Pound	0	1	-1	-1	1
SSE Her Spawn on Kelp Pound	-10	-1	1	0	10
SE Shrimp Beam Trawl	-1	0	1	0	0
SE Shrimp Pot	1	-1	-12	5	7
PWS Sablefish Fixed 50ft	2	-1	0	-1	0
PWS Sablefish Fixed 35ft	-1	1	0	1	-1
	-9	-1	-11	4	17
1999-2003					
SE Urchin Dive	1	-1	3	0	-3
SE Cucumber Dive	-2	0	-2	2	2
Goodnews Bay Her Gillnet	1	-4	0	3	0
	0	-5	1	5	-1
Net Shifts 1975-2003	-649	3	-278	252	672

ARL - Alaskan Rural Local
ARN - Alaskan Rural Nonlocal
AUL - Alaskan Urban Local
AUN - Alaskan Urban Nonlocal
NR - Nonresident

TABLE 10. Summary of Annual Net Changes in Statewide Permit Ownership, 1975-2003

	Alaska Rural Local				Alaska Rural Nonlocal				Alaska Urban Local				Alaska Urban Nonlocal				Nonresident				DCED CFAB
Year	Transfer	Migrate	Cancel	Net	Transfer	Migrate	Cancel	Net	Transfer	Migrate	Cancel	Net	Transfer	Migrate	Cancel	Net	Transfer	Migrate	Cancel	Net	Transfer
1975	24	0	-1	23	5	0	0	5	25	0	-2	23	5	0	-1	4	-59	0	0	-59	0
1976	-22	49	-1	26	2	11	0	13	27	-2	0	25	-3	-22	-1	-26	-4	-36	0	-40	0
1977	-62	-17	0	-79	-8	-7	0	-15	52	-1	0	51	6	4	0	10	12	21	0	33	0
1978	-70	-28	-3	-101	-5	-5	-1	-11	45	-22	0	23	24	-28	-1	-5	6	83	0	89	0
1979	-81	13	-2	-70	6	11	0	17	8	-19	0	-11	37	-14	0	23	30	9	0	39	0
1980	-94	8	-3	-89	8	-11	0	-3	40	-20	0	20	36	11	0	47	10	12	0	22	0
1981	-84	4	0	-80	-4	7	0	3	27	-11	-1	15	47	5	0	52	14	-5	0	9	0
1982	-81	-45	-1	-127	4	17	0	21	-15	25	0	10	27	31	0	58	56	-28	-1	27	9
1983	-86	31	-5	-60	13	1	0	14	-1	14	-2	11	62	2	-1	63	8	-48	0	-40	4
1984	-58	28	0	-30	-5	16	0	11	-19	-31	0	-50	12	0	-1	11	74	-13	-2	59	-4
1985	-24	-1	-32	-57	19	4	-3	20	-27	-1	-75	-103	3	7	-5	5	28	-9	-27	-8	1
1986	-50	-16	-10	-76	25	8	0	33	-7	-18	-36	-61	44	-3	-2	39	-11	29	-6	12	-1
1987	-10	-13	-12	-35	28	-1	-1	26	-17	-24	-30	-71	7	3	-3	7	-6	35	-4	25	-2
1988	-22	-25	-10	-57	16	9	-1	24	-8	-29	-37	-74	-3	-6	-4	-13	20	51	-14	57	-3
1989	-19	-24	-12	-55	23	-9	-1	13	-2	-31	-30	-63	5	-14	-2	-11	-5	78	-12	61	-2
1990	6	-100	-10	-104	8	0	-1	7	-27	12	-18	-33	5	40	-1	44	7	48	-6	49	1
1991	-11	-13	-13	-37	21	-2	0	19	-9	-27	-24	-60	-7	15	-1	7	8	27	-5	30	-2
1992	-5	23	-16	2	-4	-7	-1	-12	-2	-17	-34	-53	-20	5	-6	-21	25	-4	-3	18	6
1993	-14	-33	-15	-62	9	-13	1	-3	-2	13	-34	-23	9	2	-8	3	1	31	-10	22	-3
1994	3	-19	-18	-34	-3	6	-4	-1	-10	-23	-26	-59	-8	13	0	5	14	23	-7	30	4
1995	2	-49	-17	-64	19	-6	-1	12	-6	-18	-23	-47	-11	34	-8	15	-1	39	-9	29	-3
1996	-12	-40	-12	-64	9	26	0	35	1	-27	-21	-47	-22	-7	-3	-32	23	48	-14	57	1
1997	27	-36	-17	-26	-2	-8	-3	-13	22	-4	-26	-8	4	4	-1	7	-56	44	-9	-21	5
1998	0	-25	-24	-49	8	-22	-4	-18	14	-7	-31	-24	-11	24	-3	10	-16	30	-13	1	5
1999	22	-70	-20	-68	2	-4	-1	-3	17	-5	-18	-6	-4	49	-7	38	-37	30	-19	-26	0
2000	49	-70	-27	-48	-1	6	-4	1	19	-26	-31	-38	-8	20	-3	9	-59	70	-8	3	0
2001	12	-71	-33	-92	16	-9	-3	4	21	-6	-26	-11	7	44	-4	47	-65	42	-16	-39	9
2002	13	-85	-39	-111	-5	-16	-4	-25	2	19	-27	-6	-22	32	-4	6	-17	50	-13	20	29
2003	15	-25	-77	-87	-12	1	-5	-16	21	8	-44	-15	-14	1	-15	-28	-31	15	-38	-54	21
Total	-632	-649	-430	-1,711	192	3	-37	158	189	-278	-596	-685	207	252	-85	374	-31	672	-236	405	75