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. Both 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 a fishery's permit holders who were residents of Alaska into those who had domiciles which were "local" and those who were "nonlocal" to the fishery. He further defined Alaskan domiciles as "rural" or "urban." Non-Alaskans were lumped into a single "nonresident" category.

Langdon's conceptual categories are a useful way to examine the geographic distribution of permits and are used in this report. The resident types are:

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

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

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

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

NON: ***Nonresident*** of Alaska;

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

[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, and Nunivak Island.

Combinations of these resident types are also used in this report. 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.

The numbers of Alaskans and nonresidents presented in this report may differ from other CFEC publications (specifically CFEC Annual Reports) because a more conservative residency definition is used. For this report, to be classified as an Alaska resident, a permit holder must have sworn that they are an Alaska resident on permit renewal or transfer forms, and they must also have provided an Alaskan address. (CFEC Annual Reports produce resident/nonresident totals based upon the residency status from the permit renewal form only.)

The decision rules for designating urban and local classifications are described in Appendix A. Essentially the rural/urban distinction is based on a population size of 2,500 or more as of the 1990 census, which is a departure from the 2,000 level used in the pre-1990 editions of this report. Some communities with populations less than 2,500 are classified as urban because they lie on a road system and are within a certain radius of an urban center. For instance, Auke Bay is designated as urban, even though it has a small population, because it is situated on a road system and is within 20 miles of Juneau.

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

Prior to 1978 the resident type classifications were based on the address provided to CFEC by the permit holder during the issuance, renewal and transfer processes. During those early years, some nonresidents listed an Alaskan address and were classified as Alaska residents. After l978, CFEC renewal and transfer forms included a sworn declaration of residency, and resident/nonresident data have become more accurate in later years.

Beginning in l982, permit renewal forms included space for both a permanent address and a temporary mailing address, but for the l975-198l period there was only one address on the form. In some cases, this address may actually have been a temporary mailing address on the fishing grounds and the permit holder could have been mistakenly classified as local to the fishery. The number of fishermen who have been misclassified because of this problem is unknown; however, this source of error appears to be fairly small, and from l982 forward temporary mailing addresses should not be a major cause of erroneous resident classifications[3].

Geographic Distribution of Initial Issuees

Hardship ranking systems, or "point systems," based upon past participation and economic dependence were developed for each fishery and used to allocate the original permits. The resulting distribution of both transferable and nontransferable permits among the resident types appears in Table 3.

Over all fisheries, Alaska residents received 82.0% (12,283 permits) of the initial allocation of permits and Nonresidents received 18.0% (2,691 permits) through 1998. Of the 13,164 transferable permits issued, Alaska Rural Local applicants received more permits than any other resident type (6,307 permits or 47.9%). The Alaska Urban Locals received 3,077 permits (23.4%) and the Nonresidents received 2,530 permits (19.2%). Less than 10% of the transferable permits were issued to the combined Alaska Rural Nonlocal (359 permits or 2.7%) and Urban Nonlocal resident types (891 permits or 6.8%).

The percentages of transferable permits issued to the resident types vary widely between individual fisheries and between groups of fisheries. For example, Alaska Rural Locals were issued 39.0% of the 8,077 transferable permits in the group of original l9 salmon fisheries, 80.0% of the transferable AYK salmon permits. Alaska Rural Locals were also issued 20.1% of the transferable permits in the roe herring fisheries in which permits were first issued in 1977-1978, 39.7% of the transferable permits for fisheries in which permits were first issued in 1980-1987, 79.2% of the transferable westward herring roe fisheries in which permits were first issued in 1988-1991, 28.6% of the

[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.

transferable Dungeness fisheries in which permits were first issued in 1997, and 45.2% of the transferable PWS sablefish and Southeast herring pound and Southeast shrimp fisheries in which permits were first issued in 1998.

By the end of l998, the distribution of permits among the resident types had changed to the levels shown in Table 4. Alaska Residents held 77.5% (10,904 permits) of all permits and Nonresidents held 22.5% (3,174 permits). At the end of 1998, residents held 76.6% (10,085 permits) and nonresidents held 23.3% (3,073 permits) of the 13,174 existing transferable permits. Sixteen transferable permits had been foreclosed upon by the Department of Commerce and Economic Development or the Commercial Fishing and Agriculture Bank and had yet to be transferred.

Changes in the distribution of all permits to assigned residency types includes a 19.6% (1,362 permits) decrease in the total number of permits held by Alaska Rural Locals from the time of initial issue to yearend 1998. At yearend 1998, Alaska Rural Locals held 51.2% of all Resident permits (5,578 out of 10,904) and 39.6% of the total permits (5,578 out of 14,078). Alaska Rural Locals held 51.7% (5,216 out of 10,085) of the transferable permits held by Alaskan residents and 39.6% of all transferable permits (5,216 out of 13,174). Generally, Alaska Rural Locals have experienced the largest percentage decreases of transferable permits in the fisheries which have been limited the longest.

The total number of permits held by Alaska Urban Locals decreased by 543 (13.6%) permits by the end of 1998. The total number of permits held by Alaska Urban Nonlocals increased by 485 permits, a 49.8% increase, the largest percent change of any residency type. Alaska Rural Nonlocals and Nonresidents also increased their holdings of permits: 6.5% (25 permits) for Nonlocals and 17.9% (483 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: one containing transfers between permit holders of the same resident type and the other containing 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 may result in a net change in the distribution of permits among the resident types.

The 24,383 transfers are organized into these 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 has gradually declined over time from 69.7% in 1976 to 61.9% in 1998.

The percentage of intra-cohort to cross-cohort transfers varies by resident type. Alaska Urban Locals have the highest proportion of intra-cohort transfers (69.7% of their transfers over all years) and Alaska Rural Nonlocals the lowest (36.8%). Alaska Urban Nonlocals also show a lower than average percentage of transfers to persons of the same resident type (51.8%). Alaska Rural Locals and Nonresidents have similar proportions of intra-cohort transfers (66.7% and 64.9%, respectively).

Information on the intra-cohort and cross-cohort transfers for each fishery, all years combined, is provided in Table 6. With few exceptions, the majority of transfers within each fishery have been intra-cohort.

The cumulative net results of cross-cohort transfers to each resident type, by fishery, are shown in Table 7. Note that if no transfers have occurred in a particular fishery, that fishery will not be listed on the table. By yearend 1998, the following changes had occurred in the distribution of transferable permits as a result of cross-cohort transfer activity:

1. Permits held by Alaska Rural Locals decreased in about two-thirds of the listed fisheries as a result of cross-cohort transfer activity, which resulted in a statewide net decrease of 733 ARL permits (11.6% of the 6,307 transferable permits originally issued to ARLs). The Bristol Bay drift and set gillnet fisheries have had the largest numerical net decreases due to transfer activity (381 permits combined) which represent 52.0% of the 733 permit decrease. This 381 permit decrease is 30.5% of the 1,248 transferable permits originally issued to ARLs in these two fisheries.

   The largest percent decreases in permits held by ARLs due to net transfer activity have been in the following fisheries: Southeast herring gillnet (8 permits, 44.4%), Southeast salmon seine (59 permits, 55.7%), and the Peninsula/Aleutian drift gillnet fishery (61 permits, 62.2%).

2. Permits held by Alaska Rural Nonlocals increased by 33 permits due to net transfer activity, a 9.2% increase of the 359 transferable permits issued to this resident type.

3. Permits held by Alaska Urban Locals increased by 105 permits due to net transfer activity (3.4% of the 3,077 transferable permits originally issued to this group). The largest net increases were in the power troll (39 permits), and the Kodiak salmon seine (39 permits) and setnet (36 permits) fisheries. In contrast, the number of permits held by Urban Locals decreased in 17 other fisheries.

4. Permits held by Alaska Urban Nonlocals have increased by 408 permits, a 45.8% increase over the 891 transferable permits initially issued to this resident type. The number of transferable permits held by Alaska Urban Nonlocals has increased in 31 fisheries, especially the Bristol Bay salmon fisheries (181 permits), the Prince William Sound salmon fisheries (114 permits), and the Lower Yukon salmon gillnet fishery (23 permits).

5. The number of permits held by Nonresidents increased by 171 permits statewide through net transfer activity, a 6.8% increase over the 2,530 nonresident transferable permits originally issued to nonresidents. The number of transferable permits increased in 22 of the fisheries, especially the Bristol Bay salmon fisheries (208 permits), the salmon hand troll fishery (60 permits), the Cook Inlet salmon setnet fishery (42 permits) and the Southeast salmon seine (17 permits) fishery.

In 24 other fisheries the number of permits held by Nonresidents decreased, especially the power troll (91 permits), the Kodiak salmon seine (45 permits) and setnet (29 permits), and the Cook Inlet drift gillnet (25 permits) fisheries.

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 l975-1998 time period there were 7,107 city and/or residence indicator changes which 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.[4] The net results of migratory activity to each resident type over the entire period are

[4] The extent of migration before 1982 might be overstated because of the use of temporary mailing addresses during the permit renewal process. As noted previously, this problem has been reduced by recent form revisions which allow for both a permanent address and a temporary mailing address.

shown by fishery in Table 9. Some recently limited fisheries have had no migratory activity and are thus not listed in these tables.

The 1975-1998 geographical shifts in the distribution of permits due to migration can be briefly summarized as follows:

1. Statewide, the number of permits held by Alaska Rural Locals decreased by 396 permits due to migration. Migratory activities did not affect all fisheries in the same manner, however. There were ARL net decreases in 32 fisheries and ARL net increases in 5 others.

The number of permits held by ARLs decreased primarily in the AYK salmon fisheries (146 permits), the Bristol Bay setnet fishery (50 permits), the hand troll fishery (33 permits), and the Prince William Sound salmon seine fishery (39 permits). ARL gains through migration were made in the Cook Inlet setnet (16 permits), Chignik seine (16 permits) and Southeast drift gillnet fisheries (12 permits).

2. The number of permits held by Alaska Rural Nonlocals increased by 3 due to net migration. Fisheries with the greatest amount of increase were the AYK salmon fisheries (44 permits) and the Kodiak salmon seine (8 permits).

3. The number of permits held by Alaskan Urban Locals decreased by 198 as the result of net migration. The decrease was primarily in the hand troll (64 permits), the Cook Inlet setnet (40 permits), and the Kodiak salmon seine (32 permits).

4. The number of permits held by Alaskan Urban Nonlocals increased by 138. Permits held by AUNs increased by 92 permits in the AYK salmon fisheries and 28 permits in the hand troll fishery. However, there were net decreases in 11 fisheries, particularly in the herring fisheries limited in 1977-78 (27 permits).

5. Alaska residents who moved out of state resulted in a net increase of 453 Nonresident permits. The Nonresident category shows net changes in the number of permits in 44 different fisheries, 38 of which indicate net increases. The largest net increases in permits held by Nonresidents were in the Bristol Bay salmon fisheries (98 permits), the Kodiak purse seine and setnet salmon fisheries (66 permits), the hand troll fishery (65 permits), and the Cook Inlet salmon fisheries (56 permits). The Southeast drift gillnet fishery had the largest gain in the number of Alaska resident permits (13 permits) from nonresidents.

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 revocations is provided in Table 10. The cumulative effects of these changes are summarized below:

l. Alaska Rural Locals were issued 6,940 permits, (transferable and nontransferable, Table 3) through yearend l998, which represented 46.3% of all permits. At yearend l998, 5,578 (39.6%) of all permits were held by ARLs (Table 4). The decrease of 1,362 permits represents 19.6% of all permits originally issued to this group. Transfer activities account for 53.8% of the decrease (733 permits) followed by migration (29.1% or 396 permits) and revocations (17.1% or 233 permits).

The number of permits held by Alaska Rural Locals declined in nearly every year since 1977. Since 1987, migration of permit holders away from rural local communities has accounted for most of the decrease, whereas transfers accounted for most of the decline before 1987.

2. Alaska Rural Nonlocals were initially issued 382 permits (2.6% of all permits). By the end of 1998, the number of permits held by ARNs rose to 407 (2.9% of all permits). The increase of 25 permits represents a 6.5% increase over the number of permits originally issued to this group. The net increase comes from transfer activity (33 permits) and migration (3 permits).

3. Alaska Urban Locals received 3,988 of all permits issued through 1998 (26.6% of all permits). They held 3,445 permits at yearend 1998 (24.5% of all permits), a decrease of 543 permits. Revocations of permits have been the major factor in this decrease (450 permits).

Transfer activities resulted in a net increase of Alaska Urban Local permits due to large gains in the years 1975 through 1981, 1979 excepted. Beginning in 1982 and continuing through 1995, transfer activities have reduced the number of permits held by Alaska Urban Locals. In 1997 and 1998 there were large increases in Alaska Urban Local permits due to transfer.

4. Alaska Urban Nonlocals received 973 (6.5%) of all permits issued through 1998. At the end of 1998, the number of permits held by AUNs had risen to 1,458 (10.4% of all permits). The increase of 485 permits represents a 49.8% increase over the number of permits originally issued to this group. Transfer activities have been primarily responsible for the increase, with net increases shown in nearly every year from 1979 through 1995.

5. Nonresidents received 2,691 of all permits issued through 1998 (18.0% of all permits). By the end of 1998, 3,174 permits were held by Nonresidents (22.5%). The 483 net permit increase represents a 17.9% increase over the number of permits originally issued to this group.

Annual net changes in the number of permits held by Nonresidents due to transfer and migration have fluctuated greatly. The recent net change from 1986 through 1998 has been influenced more by migration (464 permit increase) than by transfer (0 permit increase).

Appendix C documents initial issuance, transfer, migration, and revocation of permits by fishery and by year for each of the resident types. An in-depth analysis of the movements of permits from Alaska Rural Local permit holders and from the Alaska Local permit holders (combined group of Alaska Rural Locals and Alaska Urban Locals) will be presented in subsequent chapters of this report.

TABLE 3. Total Number of Initial Permit Holders, by Fishery and Resident Type, 1985-1998*

Permits First Issued in:	All Permits Issued to					All Transferable Permits Issued to**					All Permits	
	ARL	ARN	AUL	AUN	NON	ARL	ARN	AUL	AUN	NON	Alaska Total	Grand Total
1975												
Southeast Seine	106	0	106	0	207	106	0	106	0	207	212	419
Southeast Drift	117	1	193	4	157	117	1	193	4	157	315	472
Power Troll	263	3	406	13	286	263	3	406	13	286	685	971
Yakutat Setnet	128	3	0	22	18	128	3	0	22	18	153	171
PWS Seine	169	3	16	23	55	169	3	16	23	55	211	266
PWS Drift	338	17	12	31	139	338	17	12	31	139	398	537
PWS Setnet	17	0	4	2	7	17	0	3	2	7	23	30
Cook Inlet Seine	35	0	47	1	1	35	0	47	1	1	83	84
Cook Inlet Drift	89	8	274	13	186	89	8	274	13	186	384	570
Cook Inlet Setnet	184	16	456	34	56	184	16	456	34	56	690	746
Kodiak Seine	76	10	161	25	111	76	10	161	25	111	272	383
Kodiak Beach Seine	13	2	18	1	2	12	1	17	1	1	34	36
Kodiak Setnet	44	2	77	14	51	44	2	77	14	51	137	188
Chignik Seine	29	8	0	32	21	29	8	0	32	21	69	90
Pen/Aleutian Seine	100	0	2	3	15	100	0	2	3	15	105	120
Pen/Aleutian Drift	98	0	0	14	48	98	0	0	14	48	112	160
Pen/Aleutian Setnet	100	0	0	7	8	100	0	0	7	8	107	115
Bristol Bay Drift	693	169	0	243	742	693	169	0	243	742	1105	1847
Bristol Bay Setnet	659	39	0	182	155	555	28	0	157	137	880	1035
	3258	281	1772	664	2265	3153	269	1770	639	2246	5975	8240
1976												
U. Yukon Gillnet	55	3	14	2	1	55	3	14	2	1	74	75
U. Yukon Fish Wheel	141	2	18	2	2	141	2	18	2	2	163	165
Kuskokwim Gillnet	665	2	172	0	0	665	2	172	0	0	839	839
Kotzebue Gillnet	54	2	157	6	1	54	2	157	6	1	219	220
Lower Yukon Gillnet	678	19	0	12	1	678	19	0	12	1	709	710
Norton Sd Gillnet	177	1	23	2	0	177	1	23	2	0	203	203
	1770	29	384	24	5	1770	29	384	24	5	2207	2212
1977-78												
SE Her Seine	4	0	37	0	4	4	0	37	0	4	41	45
SE Her Gillnet	18	0	63	1	25	18	0	63	1	25	82	107
PWS Her Seine	29	13	3	48	10	29	13	3	48	10	93	103
Cook Inlet Her Seine	15	1	34	16	8	15	1	34	16	8	66	74
	66	14	137	65	47	66	14	137	65	47	282	329
1980-87												
Hand Troll	791	6	1156	52	155	324	1	332	11	37	2005	2160
NSEI Sablefish Longline	5	0	25	2	6	5	0	25	2	6	32	38
SSEI Sablefish Longline	0	0	2	0	2	0	0	2	0	2	2	4
SSEI Sablefish Pots	0	0	0	1	0	0	0	0	1	0	1	1
SE R/B King Crab Pot	0	0	1	0	0	0	0	1	0	0	1	1
SE R/B/Brn King Crab Pot	0	0	1	0	0	0	0	1	0	0	1	1
SE Brn King Crab Pot	0	0	2	0	0	0	0	2	0	0	2	2
SE R/B King/Tanner Pot	1	0	7	0	0	1	0	7	0	0	8	8
SE All King/Tanner Pot	3	0	11	0	0	3	0	11	0	0	14	14
SE Tanner Crab Pot	1	0	2	0	1	1	0	2	0	1	3	4
PWS Her Gillnet	13	0	7	0	4	13	0	7	0	4	20	24
PWS Her Pound	62	0	5	25	36	62	0	5	25	36	92	128
Kodiak Her Seine	10	6	42	3	12	8	3	35	1	4	61	73
Kodiak Her Gillnet	5	7	49	37	8	5	6	38	26	6	98	106
Kodiak Her Seine/Gill	0	0	1	0	1	0	0	1	0	0	1	2
	891	19	1311	120	225	422	10	469	66	96	2341	2566
1988-91												
BBay Her Spawn on Kelp	268	5	0	5	5	268	5	0	5	5	278	283
Nelson Is Her Gillnet	126	6	0	8	7	126	6	0	8	7	140	147
Nunivak Her Gillnet	43	2	0	8	3	40	2	0	7	3	53	56
L Yukon Her Gillnet	77	1	0	2	0	77	1	0	2	0	80	80
Norton Sd Her Gillnet	132	18	7	41	48	132	18	7	41	48	198	246
Norton Sd Her B Seine	0	1	0	0	3	0	1	0	0	3	1	4
	646	33	7	64	66	643	33	7	63	66	750	816

TABLE 3. Total Number of Initial Permit Holders, by Fishery and Resident Type, 1985-1998*

Permits First Issued in:	All Permits Issued to					All Transferable Permits Issued to**					All Permits	
	ARL	ARN	AUL	AUN	NON	ARL	ARN	AUL	AUN	NON	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	22	1	10	13	0	22	1	10	36	46
SE Dungeness 150 Pot	25	0	45	0	12	25	0	45	0	11	70	82
SE Dungeness 75 Pot	37	1	40	0	10	32	1	28	0	6	78	88
CI Dungeness Ring Net	1	0	0	0	0	0	0	0	0	0	1	1
CI Dungeness Pot	13	3	50	2	2	9	2	44	2	2	68	70
	101	4	195	3	46	87	3	170	3	41	303	349
1998												
PWS 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 50ft	1	0	0	21	1	1	0	0	21	1	22	23
PWS Sablefish Fixed 35ft	2	1	0	2	2	2	1	0	2	2	5	7
SE Her Pound Northern	10	0	47	4	6	10	0	47	4	6	61	67
SE Her Pound Southern	122	0	49	0	11	96	0	36	0	8	171	182
SE Shrimp Pot	72	1	86	5	17	56	0	57	3	12	164	181
	208	2	182	33	37	166	1	140	31	29	425	462
Overall Total	6940	382	3988	973	2691	6307	359	3077	891	2530	12283	14974

* The table includes 933 permits which were later revoked because of administrative error, forfeit, or criminal action. 37 of these permits were subsequently re-instated.

** By 1998 129 non-transferable permits had become transferable through adjudication.

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

TABLE 4. 1998 Yearend Distribution of Permit Holders by Fishery and Resident Type.*

Permits First Issued in	All Permits Issued to						All Transferable Permits Issued to**						All Permits	
	ARL	ARN	AUL	AUN	NON	DCED/ CFAB	ARL	ARN	AUL	AUN	NON	DCED/ CFAB	Alaska Total	Grand Total
1975														
Southeast Seine	47	3	121	16	226	2	47	3	121	16	226	2	189	415
Southeast Drift	116	1	208	7	138	1	116	1	208	7	138	1	333	471
Power Troll	285	3	445	14	217	2	285	3	445	14	217	2	749	966
Yakutat Setnet	108	5	0	20	35	0	108	5	0	20	35	0	133	168
PWS Seine	97	9	17	67	74	1	97	9	17	67	74	1	191	265
PWS Drift	251	17	11	116	142	0	251	17	11	116	142	0	395	537
PWS Setnet	11	0	0	16	3	0	10	0	0	16	3	0	27	30
Cook Inlet Seine	24	0	53	0	5	0	24	0	53	0	5	0	77	82
Cook Inlet Drift	78	1	284	21	184	0	78	1	284	21	184	0	384	568
Cook Inlet Setnet	192	21	394	14	124	0	192	21	394	14	124	0	621	745
Kodiak Seine	50	15	168	49	98	3	50	15	168	49	98	3	285	383
Kodiak Beach Seine	4	2	18	7	3	0	3	2	18	7	3	0	31	34
Kodiak Setnet	16	0	93	23	56	0	16	0	93	23	56	0	132	188
Chignik Seine	43	3	0	25	17	2	43	3	0	25	17	2	73	90
Pen/Aleutian Seine	82	0	1	6	31	0	82	0	1	6	31	0	89	120
Pen/Aleutian Drift	36	8	0	37	79	0	36	8	0	37	79	0	81	160
Pen/Aleutian Setnet	77	0	0	14	22	0	77	0	0	14	22	0	91	113
Bristol Bay Drift	461	128	0	316	937	2	461	128	0	316	937	2	907	1844
Bristol Bay Setnet	437	43	0	268	261	0	378	41	0	256	244	0	748	1009
	2415	259	1813	1036	2652	13	2354	257	1813	1024	2635	13	5536	8188
1976														
U. Yukon Gillnet	36	5	23	7	1	0	36	5	23	7	1	0	71	72
U. Yukon Fish Wheel	123	4	25	5	3	0	123	4	25	5	3	0	157	160
Kuskokwim Gillnet	636	2	169	12	7	0	636	2	169	12	7	0	819	826
Kotzebue Gillnet	38	6	126	25	7	1	38	6	126	25	7	1	196	203
Lower Yukon Gillnet	599	28	0	65	8	0	599	28	0	65	8	0	692	700
Norton Sd Gillnet	147	5	22	20	1	0	147	5	22	20	1	0	194	195
	1579	50	365	134	27	1	1579	50	365	134	27	1	2129	2156
1977-78														
SE Her Seine	3	1	21	6	14	0	3	1	21	6	14	0	31	45
SE Her Gillnet	10	2	62	1	32	0	10	2	62	1	32	0	75	107
PWS Her Seine	24	10	1	43	24	1	24	10	1	43	24	1	79	103
Cook Inlet Her Seine	9	5	26	10	24	0	9	5	26	10	24	0	50	74
	46	18	110	60	94	1	46	18	110	60	94	1	235	329
1980-87														
Hand Troll	550	9	637	51	160	1	309	4	334	27	99	1	1248	1408
NSEI Sablefish Longline	6	0	22	2	8	0	6	0	22	2	8	0	30	38
SSEI Sablefish Longline	0	0	2	1	1	0	0	0	2	1	1	0	3	4
SSEI Sablefish Pots	0	1	0	0	0	0	0	1	0	0	0	0	1	1
SE R/B King Crab Pot	0	0	1	0	0	0	0	0	1	0	0	0	1	1
SE R/B/Brn King Crab Pot	0	0	1	0	0	0	0	0	1	0	0	0	1	1
SE Brn King Crab Pot	0	0	2	0	0	0	0	0	2	0	0	0	2	2
SE R/B King/Tanner Pot	0	0	8	0	0	0	0	0	8	0	0	0	8	8
SE All King/Tanner Pot	2	0	12	0	0	0	2	0	12	0	0	0	14	14
SE Tanner Crab Pot	1	0	3	0	0	0	1	0	3	0	0	0	4	4
PWS Her Gillnet	21	0	0	2	1	0	21	0	0	2	1	0	23	24
PWS Her Pound	52	9	2	32	33	0	52	9	2	32	33	0	95	128
Kodiak Her Seine	7	6	29	12	16	0	5	2	26	10	8	0	54	70
Kodiak Her Gillnet	7	6	50	23	11	0	7	5	43	17	10	0	86	97
Kodiak Her Seine/Gill	0	0	1	0	1	0	0	0	1	0	0	0	1	2
	646	31	770	123	231	1	403	21	457	91	160	1	1571	1802
1988-91														
BBay Her Spawn on Kelp	262	4	0	11	5	0	262	4	0	11	5	0	277	282
Nelson Is Her Gillnet	124	3	0	8	6	0	124	3	0	8	6	0	135	141
Nunivak Her Gillnet	38	0	0	11	3	0	35	0	0	10	3	0	49	52
L Yukon Her Gillnet	66	2	0	1	0	0	66	2	0	1	0	0	69	69
Norton Sd Her Gillnet	102	34	2	37	70	0	102	34	2	37	70	0	175	245
Norton Sd Her B Seine	0	1	0	0	3	0	0	1	0	0	3	0	1	4
	592	44	2	68	87	0	589	44	2	67	87	0	706	793

TABLE 4. 1998 Yearend Distribution of Permit Holders by Fishery and Resident Type.*

Permits First Issued in	All Permits Issued to						All Transferable Permits Issued to**						All Permits	
	ARL	ARN	AUL	AUN	NON	DCED/ CFAB	ARL	ARN	AUL	AUN	NON	DCED/ CFAB	Alaska Total	Grand Total
1997														
SE Dungeness Ring Net	4	0	4	0	0	0	0	0	0	0	0	0	8	8
SE Dungeness Dive	0	0	3	0	0	0	0	0	0	0	0	0	3	3
SE Dungeness 300 Pot	7	0	38	0	6	0	7	0	38	0	6	0	45	51
SE Dungeness 225 Pot	10	0	24	0	12	0	10	0	24	0	12	0	34	46
SE Dungeness 150 Pot	27	0	44	0	11	0	27	0	44	0	10	0	71	82
SE Dungeness 75 Pot	35	0	39	0	14	0	30	0	27	0	10	0	74	88
CI Dungeness Ring Net	1	0	0	0	0	0	0	0	0	0	0	0	1	1
CI Dungeness Pot	12	3	49	3	2	0	9	2	43	3	2	0	67	69
	96	3	201	3	45	0	83	2	176	3	40	0	303	348
1998														
PWS 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 50ft	1	0	0	22	0	0	1	0	0	22	0	0	23	23
PWS Sablefish Fixed 35ft	2	1	0	2	2	0	2	1	0	2	2	0	5	7
SE Her Pound Northern	9	0	48	4	6	0	9	0	48	4	6	0	61	67
SE Her Pound Southern	122	0	49	0	11	0	96	0	36	0	8	0	171	182
SE Shrimp Pot	69	1	87	5	19	0	53	0	58	3	14	0	162	181
	204	2	184	34	38	0	162	1	142	32	30	0	424	462
Overall Total	5578	407	3445	1458	3174	16	5216	393	3065	1411	3073	16	10904	14078

* This table excludes 896 permits which were revoked by the Commission and not re-instated.
** By 1998 129 non-transferable permits had become transferable through adjudication.

ARL - Alaskan Rural Local
ARN - Alaskan Rural Nonlocal
AUL - Alaskan Urban Local
AUN - Alaskan Urban Nonlocal
NON - Nonresident
DCED/CFAB - Department of Commerce and Economic Development/Commercial Fishing and Agricultue Bank

TABLE 5. Numbers of Transfers Between Resident Types by Year, 1975-1998.

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Cross-Cohort														
Rural Local to:														
Rural Non-local	0	1	6	7	6	5	3	11	4	5	6	10	7	3
Urban Local	20	28	55	42	41	47	48	33	38	36	29	36	31	37
Urban Non-local	8	11	24	45	44	52	59	55	60	31	38	40	32	26
Nonresident	13	37	45	61	43	45	40	58	43	47	36	43	38	39
DCED/CFAB	0	0	0	0	0	0	0	1	5	2	3	6	3	6
	41	77	130	155	134	149	150	158	150	121	112	135	111	111
Rural Non-Local to:														
Rural Local	2	1	3	6	2	4	3	9	2	4	4	4	6	2
Urban Local	1	5	3	4	2	1	4	5	2	5	4	3	1	2
Urban Non-local	0	1	9	5	11	10	7	8	11	7	7	6	10	6
Nonresident	0	0	6	14	4	3	9	3	2	2	10	8	5	5
DCED/CFAB	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	3	7	21	29	19	18	23	25	17	18	25	21	23	17
Urban Local to:														
Rural Local	22	25	26	26	34	17	36	30	28	32	33	39	44	30
Rural Non-local	3	2	1	3	5	0	0	2	2	1	5	3	6	5
Urban Non-local	1	5	7	11	11	7	3	11	11	5	14	15	17	20
Nonresident	11	16	23	28	42	30	26	43	42	61	51	39	32	53
DCED/CFAB	0	0	0	0	0	0	0	10	5	3	6	5	7	2
	37	48	57	68	92	54	65	96	88	102	109	101	106	110
Urban Non-Local to:														
Rural Local	7	7	10	22	10	14	14	11	15	17	24	16	26	22
Rural Non-local	2	2	8	9	7	2	5	6	10	6	9	6	9	7
Urban Local	1	12	12	13	6	9	6	10	10	10	11	8	8	15
Nonresident	4	12	22	17	29	19	25	36	18	33	32	26	32	39
DCED/CFAB	0	0	0	0	0	0	0	0	2	0	1	3	1	3
	14	33	52	61	52	44	50	63	55	66	77	59	76	86
Non-Resident to:														
Rural Local	34	26	32	37	13	21	20	30	19	11	28	23	21	35
Rural Non-local	1	3	5	5	4	7	8	5	7	5	11	7	15	7
Urban Local	41	31	38	47	40	36	25	27	30	23	32	45	48	43
Urban Non-local	11	10	10	25	31	23	33	22	43	29	31	53	29	33
DCED/CFAB	0	0	0	0	0	0	0	0	0	1	0	0	1	0
	87	70	85	114	88	87	86	84	99	69	102	128	114	118
DCED/CFAB to:														
Rural Local	0	0	0	0	0	0	0	1	2	2	0	2	1	4
Rural Non-local	0	0	0	0	0	0	0	0	0	0	1	0	2	2
Urban Local	0	0	0	0	0	0	0	1	5	6	5	5	6	3
Urban Non-local	0	0	0	0	0	0	0	0	0	2	3	7	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	93	144	237	293	269	252	245	245	313	231	217	222	231	220
Rural Non-local	3	4	9	28	16	17	12	14	12	10	10	14	11	13
Urban Local	130	137	232	260	219	187	205	193	234	178	201	257	190	182
Urban Non-local	9	25	53	62	84	72	66	71	58	74	74	63	88	102
Nonresident	173	231	232	244	236	180	190	193	177	174	175	176	155	150
	408	541	763	887	824	708	718	716	794	667	677	732	675	667
GRAND TOTALS	590	776	1108	1314	1209	1060	1092	1144	1211	1053	1111	1191	1120	1125

TABLE 5. Numbers of Transfers Between Resident Types by Year, 1975-1998.

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Cross-Cohort										
Rural Local to:										
Rural Non-local	4	3	4	9	7	1	7	6	4	3
Urban Local	37	28	22	32	28	21	19	26	29	31
Urban Non-local	24	16	26	15	20	15	25	22	14	18
Nonresident	25	33	32	38	34	37	36	41	30	24
DCED/CFAB	1	1	4	1	3	2	3	0	1	1
	91	81	88	95	92	76	90	95	78	77
Rural Non-Local to:										
Rural Local	4	6	1	3	2	3	10	4	6	3
Urban Local	3	1	4	6	2	4	1	2	0	2
Urban Non-local	7	10	12	10	11	16	10	7	3	3
Nonresident	2	6	6	9	5	4	6	15	7	8
DCED/CFAB	0	0	0	0	0	4	1	0	1	0
	16	23	23	28	20	31	28	28	17	16
Urban Local to:										
Rural Local	35	39	29	29	30	21	26	21	28	26
Rural Non-local	5	3	7	4	1	1	3	2	0	0
Urban Non-local	10	14	6	10	7	6	12	4	11	7
Nonresident	34	37	25	29	19	37	32	39	23	30
DCED/CFAB	0	0	0	6	3	2	2	1	3	2
	84	93	67	78	60	67	75	67	65	65
Urban Non-Local to:										
Rural Local	8	18	18	30	14	13	26	28	20	16
Rural Non-local	4	10	14	8	9	7	8	11	8	2
Urban Local	8	10	4	9	3	4	9	5	8	9
Nonresident	25	23	32	25	21	32	28	27	36	30
DCED/CFAB	2	0	1	0	2	2	1	1	0	4
	47	61	69	72	49	58	72	72	72	61
Non-Resident to:										
Rural Local	24	24	33	27	28	31	22	28	43	25
Rural Non-local	3	8	9	3	9	8	10	10	9	8
Urban Local	32	26	21	28	21	32	42	36	58	47
Urban Non-local	32	34	26	19	22	24	30	24	41	27
DCED/CFAB	0	1	0	0	0	1	0	1	2	0
	91	93	89	77	80	96	104	99	153	107
DCED/CFAB to:										
Rural Local	1	0	0	1	4	0	3	1	0	1
Rural Non-local	0	0	1	0	0	0	0	0	0	1
Urban Local	1	0	2	2	3	4	3	1	2	0
Urban Non-local	2	0	2	0	2	2	4	0	0	0
Nonresident	1	1	2	0	0	1	0	0	0	0
	5	1	7	3	9	7	10	2	2	2
Intra-Cohort										
Transfers Between:										
Rural Local	210	193	188	188	205	204	220	215	186	183
Rural Non-local	12	6	16	13	14	6	16	13	7	13
Urban Local	157	192	168	154	137	128	143	91	159	131
Urban Non-local	73	69	51	65	44	64	82	86	53	42
Nonresident	128	138	163	177	146	171	170	173	169	163
	580	598	586	597	546	573	631	578	574	532
GRAND TOTALS	914	950	929	950	856	908	1010	941	961	860

TABLE 6. Numbers of Intra-Cohort and Cross-Cohort Transfers by Fishery, 1975-1998.*

Permits Issued Beginning in:	Intra-Cohort Count	Intra-Cohort Percent	Cross-Cohort Count	Cross-Cohort Percent	Total Transfers
1975					
Southeast Seine	555	66.0	286	34.0	841
Southeast Drift	860	64.0	483	36.0	1343
Power Troll	1159	56.6	887	43.4	2046
Yakutat Setnet	277	68.7	126	31.3	403
PWS Seine	383	61.3	242	38.7	625
PWS Drift	686	54.8	566	45.2	1252
PWS Setnet	42	54.5	35	45.5	77
Cook Inlet Seine	139	72.0	54	28.0	193
Cook Inlet Drift	920	66.0	473	34.0	1393
Cook Inlet Setnet	1241	63.2	722	36.8	1963
Kodiak Seine	500	54.2	422	45.8	922
Kodiak Beach Seine	80	65.0	43	35.0	123
Kodiak Setnet	342	59.7	231	40.3	573
Chignik Seine	65	57.0	49	43.0	114
Pen/Aleutian Seine	152	71.4	61	28.6	213
Pen/Aleutian Drift	245	62.5	147	37.5	392
Pen/Aleutian Setnet	224	68.5	103	31.5	327
Bristol Bay Drift	2364	68.2	1104	31.8	3468
Bristol Bay Setnet	1363	61.6	850	38.4	2213
	11597	62.8	6884	37.2	18481
1976					
U. Yukon Gillnet	59	59.6	40	40.4	99
U. Yukon Fish Wheel	164	70.1	70	29.9	234
Kuskokwim Gillnet	819	79.8	207	20.2	1026
Kotzebue Gillnet	244	78.0	69	22.0	313
Lower Yukon Gillnet	652	78.6	177	21.4	829
Norton Sd Gillnet	220	74.8	74	25.2	294
	2158	77.2	637	22.8	2795
1977-78					
SE Her Seine	20	37.7	33	62.3	53
SE Her Gillnet	108	56.3	84	43.8	192
PWS Her Seine	95	56.2	74	43.8	169
Cook Inlet Her Seine	79	58.5	56	41.5	135
	302	55.0	247	45.0	549
1980-87					
Hand Troll	939	61.2	595	38.8	1534
NSEI Sablefish Longline	20	62.5	12	37.5	32
SSEI Sablefish Longline	3	37.5	5	62.5	8
SSEI Sablefish Pots	0	0.0	1	100.0	1
SE R/B King Crab Pot	1	100.0	0	0.0	1
SE Brn King Crab Pot	1	100.0	0	0.0	1
SE R/B King/Tanner Pot	3	60.0	2	40.0	5
SE All King/Tanner Pot	9	81.8	2	18.2	11
SE Tanner Crab Pot	4	80.0	1	20.0	5
PWS Her Gillnet	20	52.6	18	47.4	38
PWS Her Pound	51	39.8	77	60.2	128
Kodiak Her Seine	34	38.2	55	61.8	89
Kodiak Her Gillnet	87	55.1	71	44.9	158
	1172	58.3	839	41.7	2011
1988-91					
BBay Her Spawn on Kelp	58	84.1	11	15.9	69
Nelson Is Her Gillnet	27	77.1	8	22.9	35
Nunivak Her Gillnet	6	66.7	3	33.3	9
L Yukon Her Gillnet	30	96.8	1	3.2	31
Norton Sd Her Gillnet	130	54.9	107	45.1	237
	251	65.9	130	34.1	381

TABLE 6. Numbers of Intra-Cohort and Cross-Cohort Transfers by Fishery, 1975-1998.*

Permits Issued Beginning in:	Intra-Cohort		Cross-Cohort		Total Transfers
	Count	Percent	Count	Percent	
1997					
SE Dungeness 300 Pot	11	50.0	11	50.0	22
SE Dungeness 225 Pot	11	55.0	9	45.0	20
SE Dungeness 150 Pot	35	64.8	19	35.2	54
SE Dungeness 75 Pot	22	44.0	28	56.0	50
CI Dungeness Pot	3	75.0	1	25.0	4
	82	54.7	68	45.3	150
1998					
PWS Sablefish Fixed 50ft	0	0.0	1	100.0	1
SE Her Pound Northern	2	66.7	1	33.3	3
SE Shrimp Pot	8	66.7	4	33.3	12
	10	62.5	6	37.5	16
Statewide Totals	15572	63.9	8811	36.1	24383

* The number of transfers includes 139 permit foreclosures and 123 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, 1975-1998.

Permits Issued Beginning in:	ARL	ARN	AUL	AUN	NON	DCED/CFAB
1975						
Southeast Seine	-59	4	21	15	17	2
Southeast Drift	-12	2	11	4	-6	1
Power Troll	48	0	39	2	-91	2
Yakutat Setnet	-11	5	0	-3	9	0
PWS Seine	-33	7	-7	28	4	1
PWS Drift	-71	11	6	70	-16	0
PWS Setnet	-6	-2	-2	16	-6	0
Cook Inlet Seine	-13	2	11	2	-2	0
Cook Inlet Drift	6	-1	21	-1	-25	0
Cook Inlet Setnet	-8	4	-21	-17	42	0
Kodiak Seine	-13	-3	39	19	-45	3
Kodiak Beach Seine	-3	1	-3	1	4	0
Kodiak Setnet	-12	-2	36	7	-29	0
Chignik Seine	-2	0	0	6	-6	2
Pen/Aleutian Seine	-18	0	-2	5	15	0
Pen/Aleutian Drift	-61	14	0	22	25	0
Pen/Aleutian Setnet	-9	0	1	2	6	0
Bristol Bay Drift	-216	-18	0	98	134	2
Bristol Bay Setnet	-165	8	0	83	74	0
	-658	32	150	359	104	13
1976						
U. Yukon Gillnet	-3	0	0	4	-1	0
U. Yukon Fish Wheel	2	0	2	-3	-1	0
Kuskokwim Gillnet	5	-7	2	-1	1	0
Kotzebue Gillnet	-7	1	3	1	1	1
Lower Yukon Gillnet	-13	-12	0	23	2	0
Norton Sd Gillnet	-3	-4	1	3	3	0
	-19	-22	8	27	5	1
1977-78						
SE Her Seine	-1	1	-15	6	9	0
SE Her Gillnet	-8	1	6	2	-1	0
PWS Her Seine	4	-4	-2	4	-3	1
Cook Inlet Her Seine	-5	2	-8	10	1	0
	-10	0	-19	22	6	1
1980-87						
Hand Troll	-37	3	-29	2	60	1
NSEI Sablefish Longline	2	0	-1	-2	1	0
SSEI Sablefish Longline	0	0	0	0	0	0
SSEI Sablefish Pots	0	1	0	-1	0	0
SE R/B King Crab Pot	0	0	0	0	0	0
SE Brn King Crab Pot	0	0	0	0	0	0
SE R/B King/Tanner Pot	-1	0	2	0	-1	0
SE All King/Tanner Pot	-1	0	2	0	-1	0
SE Tanner Crab Pot	0	0	1	0	-1	0
PWS Her Gillnet	8	1	-5	1	-5	0
PWS Her Pound	-2	7	-1	7	-11	0
Kodiak Her Seine	4	-2	-10	10	-2	0
Kodiak Her Gillnet	3	-2	2	-3	0	0
	-24	8	-39	14	40	1
1988-91						
BBay Her Spawn on Kelp	3	-2	0	0	-1	0
Nelson Is Her Gillnet	8	-2	0	-5	-1	0
Nunivak Her Gillnet	-1	0	0	1	0	0
L Yukon Her Gillnet	1	0	0	-1	0	0
Norton Sd Her Gillnet	-27	20	-3	-10	20	0
	-16	16	-3	-15	18	0

TABLE 7. Net Shifts in Resident Types Due to Transfer Activity by Fishery, 1975-1998.

Permits Issued Beginning in:	**ARL**	**ARN**	**AUL**	**AUN**	**NON**	**DCED/CFAB**
1997						
SE Dungeness 300 Pot	0	0	8	0	-8	0
SE Dungeness 225 Pot	-2	0	2	-1	1	0
SE Dungeness 150 Pot	2	0	-1	0	-1	0
SE Dungeness 75 Pot	-2	-1	-2	0	5	0
CI Dungeness Pot	0	0	-1	1	0	0
	-2	-1	6	0	-3	0
1998						
PWS Sablefish Fixed 50ft	0	0	0	1	-1	0
SE Her Pound Northern	-1	0	1	0	0	0
SE Shrimp Pot	-3	0	1	0	2	0
	-4	0	2	1	1	0
Net Shifts 75-98	-733	33	105	408	171	16

ARL - Alaskan Rural Local
ARN - Alaskan Rural Nonlocal
AUL - Alaskan Urban Local
AUN - Alaskan Urban Nonlocal
NON - Nonresident
DCED/CFAB - Department of Commerce and Economic Development/Commercial Fishing and Agricultue Bank

TABLE 8. Numbers of Cross-Cohort Migrations by Year, 1975-1998.

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Rural Local to:														
Rural Non-local	0	2	6	8	5	2	4	15	6	13	4	6	6	6
Urban Local	0	12	29	29	39	25	21	35	24	42	41	33	32	39
Urban Non-local	0	19	18	13	20	32	28	52	21	31	27	30	32	36
Nonresident	0	8	28	65	32	26	31	31	17	34	24	36	36	41
	0	41	81	115	96	85	84	133	68	120	96	105	106	122
Rural Non-Local to:														
Rural Local	0	3	9	6	6	6	2	5	4	4	2	3	3	4
Urban Local	0	3	0	4	1	0	3	1	1	2	3	2	2	4
Urban Non-local	0	3	4	7	8	10	2	7	5	5	7	4	10	3
Nonresident	0	0	0	2	2	7	2	0	6	4	3	4	6	3
	0	9	13	19	17	23	9	13	16	15	15	13	21	14
Urban Local to:														
Rural Local	0	24	22	22	36	37	20	27	19	66	38	32	27	44
Rural Non-local	0	3	4	1	4	2	1	2	2	4	3	2	4	2
Urban Non-local	0	4	12	5	7	4	10	8	2	8	11	14	11	17
Nonresident	0	13	21	49	18	25	21	15	14	18	23	28	29	43
	0	44	59	77	65	68	52	52	37	96	75	76	71	106
Urban Non-Local to:														
Rural Local	0	30	21	32	18	20	32	27	26	31	18	26	27	23
Rural Non-local	0	8	5	5	8	6	5	5	8	3	5	10	11	16
Urban Local	0	4	8	4	7	6	1	6	6	8	6	6	6	12
Nonresident	0	6	16	20	13	9	6	12	5	10	11	16	13	20
	0	48	50	61	46	41	44	50	45	52	40	58	57	71
Nonresident to:														
Rural Local	0	31	15	20	32	30	34	29	48	32	26	18	24	20
Rural Non-local	0	3	1	2	1	0	1	4	2	1	1	3	2	3
Urban Local	0	24	17	24	15	18	17	33	22	28	34	24	20	25
Urban Non-local	0	5	10	6	8	7	13	20	18	17	9	9	4	9
	0	63	43	52	56	55	65	86	90	78	70	54	50	57
GRAND TOTALS	0	205	246	324	280	272	254	334	256	361	296	306	305	370

TABLE 8. Numbers of Cross-Cohort Migrations by Year, 1975-1998.

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	All Years Totals	% of Grand Total
Rural Local to:												
Rural Non-local	8	16	5	5	6	17	9	11	3	6	169	2.4
Urban Local	38	54	43	36	33	28	31	23	32	32	751	10.6
Urban Non-local	45	67	43	29	26	27	48	43	40	42	769	10.8
Nonresident	38	37	22	16	32	26	29	33	29	21	692	9.7
	129	174	113	86	97	98	117	110	104	101	2381	33.5
Rural Non-Local to:												
Rural Local	9	1	6	8	11	1	5	7	7	10	122	1.7
Urban Local	3	4	0	3	0	2	1	0	6	2	47	0.7
Urban Non-local	12	19	14	9	11	15	15	3	10	12	195	2.7
Nonresident	2	8	2	4	6	5	4	4	2	5	81	1.1
	26	32	22	24	28	23	25	14	25	29	445	6.3
Urban Local to:												
Rural Local	33	25	39	41	26	28	29	21	13	26	695	9.8
Rural Non-local	3	3	4	2	1	1	2	5	3	0	58	0.8
Urban Non-local	10	18	19	15	9	20	9	17	8	6	244	3.4
Nonresident	49	28	40	34	27	26	34	35	36	32	658	9.3
	95	74	102	92	63	75	74	78	60	64	1655	23.3
Urban Non-Local to:												
Rural Local	32	28	29	26	20	30	15	28	22	32	593	8.3
Rural Non-local	15	10	14	8	7	6	4	7	6	6	178	2.5
Urban Local	8	9	12	11	6	4	6	8	10	7	161	2.3
Nonresident	39	17	19	14	19	21	13	22	18	19	358	5.0
	94	64	74	59	52	61	38	65	56	64	1290	18.2
Nonresident to:												
Rural Local	30	18	27	34	16	20	17	17	20	17	575	8.1
Rural Non-local	1	1	2	3	0	5	1	4	1	1	43	0.6
Urban Local	16	18	17	25	29	19	19	16	13	25	498	7.0
Urban Non-local	4	6	10	9	9	12	8	8	5	14	220	3.1
	51	43	56	71	54	56	45	45	39	57	1336	18.8
GRAND TOTALS	395	387	367	332	294	313	299	312	284	315	7107	100.0

TABLE 9. Net Shifts in Resident Types Due to Migration Activity, by Fishery, 1975-1998.

Permits Issued Beginning in:	ARL	ARN	AUL	AUN	NON
1975					
Southeast Seine	2	-1	-5	1	3
Southeast Drift	12	-2	4	-1	-13
Power Troll	-25	0	1	1	23
Yakutat Setnet	-8	-3	0	2	9
PWS Seine	-39	-1	8	16	16
PWS Drift	-15	-11	-7	14	19
PWS Setnet	0	2	-2	-2	2
Cook Inlet Seine	3	-2	-4	-3	6
Cook Inlet Drift	-17	-6	-10	9	24
Cook Inlet Setnet	16	1	-40	-3	26
Kodiak Seine	-13	8	-32	5	32
Kodiak Beach Seine	-6	-1	4	5	-2
Kodiak Setnet	-16	0	-20	2	34
Chignik Seine	16	-5	0	-13	2
Pen/Aleutian Seine	0	0	1	-2	1
Pen/Aleutian Drift	-1	-6	0	1	6
Pen/Aleutian Setnet	-12	0	-1	5	8
Bristol Bay Drift	-15	-23	0	-24	62
Bristol Bay Setnet	-50	2	0	12	36
	-168	-48	-103	25	294
1976					
U. Yukon Gillnet	-15	2	9	1	3
U. Yukon Fish Wheel	-17	2	5	7	3
Kuskokwim Gillnet	-26	7	-2	14	7
Kotzebue Gillnet	-6	3	-24	20	7
Lower Yukon Gillnet	-59	22	0	32	5
Norton Sd Gillnet	-23	8	-2	18	-1
	-146	44	-14	92	24
1977-78					
SE Her Seine	0	0	0	0	0
SE Her Gillnet	0	1	-7	-2	8
PWS Her Seine	-9	1	0	-9	17
Cook Inlet Her Seine	-1	2	0	-16	15
	-10	4	-7	-27	40
1980-87					
Hand Troll	-33	4	-64	28	65
NSEI Sablefish Longline	-1	0	-2	2	1
SSEI Sablefish Longline	0	0	0	1	-1
SE R/B King/Tanner Pot	0	0	-1	0	1
SE All King/Tanner Pot	0	0	-1	0	1
PWS Her Gillnet	0	-1	-2	1	2
PWS Her Pound	-8	2	-2	0	8
Kodiak Her Seine	-7	2	-2	0	7
Kodiak Her Gillnet	-1	1	2	-6	4
	-50	8	-72	26	88
1988-91					
BBay Her Spawn on Kelp	-9	1	0	7	1
Nelson Is Her Gillnet	-6	-1	0	5	2
Nunivak Her Gillnet	-2	-1	0	3	0
L Yukon Her Gillnet	-1	1	0	0	0
Norton Sd Her Gillnet	-2	-5	-2	7	2
	-20	-5	-2	22	5
1997-					
SE Dungeness 300 Pot	-1	0	-1	0	2
SE Dungeness 225 Pot	-1	0	0	0	1
SE Dungeness 75 Pot	0	0	1	0	-1
	-2	0	0	0	2
Net Shifts 75-98	-396	3	-198	138	453

ARL - Alaskan Rural Local ARN - Alaskan Rural Nonlocal AUL - Alaskan Urban Local AUN - Alaskan Urban Nonlocal NON - Nonresiden

TABLE 10. Summary of Yearly Net Changes in Statewide Permit Ownership, 1975-1998.

	Alaska Rural Local				Alaska Rural Non-local				Alaska Urban Local				Alaska Urban Non-local				Nonresident				DCED CFAB
Year	Trn	Mig	Rev	Net	Trn	Mig	Rev	Net	Trn	Mig	Rev	Net	Trn	Mig	Rev	Net	Trn	Mig	Rev	Net	Trn
1975	24	0	-1	23	3	0	0	3	26	0	-2	24	6	0	-1	5	-59	0	0	-59	0
1976	-18	47	-1	28	1	7	0	8	28	-1	0	27	-6	-17	-1	-24	-5	-36	0	-41	0
1977	-59	-14	0	-73	-1	3	0	2	51	-5	0	46	-2	-6	0	-8	11	22	0	33	0
1978	-64	-35	-3	-102	-5	-3	-1	-9	38	-16	0	22	25	-30	-1	-6	6	84	0	90	0
1979	-75	-4	-2	-81	3	1	0	4	-3	-3	0	-6	45	-3	0	42	30	9	0	39	0
1980	-93	8	-3	-88	-4	-13	0	-17	39	-19	0	20	48	12	0	60	10	12	0	22	0
1981	-77	4	0	-73	-7	2	0	-5	18	-10	-1	7	52	9	0	61	14	-5	0	9	0
1982	-77	-45	-1	-123	-1	13	0	12	-20	23	0	3	33	37	0	70	56	-28	-1	27	9
1983	-84	29	-5	-60	6	2	0	8	-3	16	-2	11	70	1	-1	70	7	-48	0	-41	4
1984	-55	13	0	-42	-1	6	0	5	-22	-16	0	-38	8	9	-1	16	74	-12	-2	60	-4
1985	-23	-12	-32	-67	7	-2	-2	3	-28	9	-76	-95	16	14	-6	24	27	-9	-27	-9	1
1986	-51	-26	-12	-89	5	8	0	13	-4	-11	-41	-56	62	-1	-2	59	-11	30	-6	13	-1
1987	-13	-25	-11	-49	16	2	0	18	-12	-11	-29	-52	17	0	-4	13	-6	34	-4	24	-2
1988	-18	-31	-11	-60	7	13	0	20	-10	-26	-35	-71	5	-6	-5	-6	19	50	-14	55	-3
1989	-19	-25	-11	-55	0	1	0	1	-3	-30	-27	-60	28	-23	-3	2	-4	77	-12	61	-2
1990	6	-102	-9	-105	1	-2	-1	-2	-28	11	-24	-41	13	46	-3	56	7	47	-5	49	1
1991	-7	-12	-14	-33	12	3	0	15	-14	-30	-21	-65	3	12	-1	14	8	27	-5	30	-2
1992	-5	23	-15	3	-4	-6	-1	-11	-1	-17	-31	-49	-18	3	-5	-20	24	-3	-3	18	4
1993	-14	-24	-15	-53	6	-14	1	-7	-3	5	-34	-32	13	3	-8	8	-1	30	-10	19	-1
1994	-8	-19	-18	-45	-14	6	-4	-12	-2	-22	-26	-50	5	13	0	18	15	22	-7	30	4
1995	-3	-51	-16	-70	0	-9	0	-9	-1	-17	-24	-42	9	42	-9	42	-2	35	-9	24	-3
1996	-13	-37	-12	-62	1	13	0	14	3	-31	-21	-49	-15	6	-3	-12	23	49	-14	58	1
1997	19	-42	-17	-40	4	-12	0	-8	32	1	-26	7	-3	7	-4	0	-57	46	-9	-20	5
1998	-6	-16	-24	-46	-2	-16	-3	-21	24	2	-30	-4	-6	10	-3	1	-15	20	-13	-8	5
Total	-733	-396	-233	-1362	33	3	-11	25	105	-198	-450	-543	408	138	-61	485	171	453	-141	483	16