

### **III. GEOGRAPHIC DISTRIBUTION OF PERMITS, TRANSFERS AND MIGRATIONS**



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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<sup>1</sup> 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;<sup>2</sup>

**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.

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<sup>1</sup> Langdon, S. "Transfer Patterns in Alaskan Limited Fisheries" January 17, 1980.

<sup>2</sup> 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 editions of this report prior to 2003 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 1978, in an effort to improve the accuracy of resident/nonresident data, CFEC renewal and transfer forms included a sworn declaration of residency. In addition, permit holders claiming Alaskan residency were 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 1982 forward, temporary mailing addresses have not been a major cause of erroneous resident classifications.<sup>3</sup>

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<sup>3</sup> 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.

For this report, residency of the permit holder was determined by the type of fee paid for the issuance or renewal of the permit, either resident or nonresident. In the event that someone other than the permit holder paid the fee, the residency declaration of the permit holder was used to determine residency.

### **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% (13,166 permits) of the initial allocation of permits and nonresidents received 18.3% (2,940 permits) through 2004. Of the 13,902 transferable permits issued, ARLs received more permits than any other resident type (6,754 permits, 48.6%). AULs received 3,047 permits (21.9%) and nonresidents received 2,702 permits (19.4%). Nonlocal permit holders (ARN and AUN) received 1399 permits (10.1%).

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 8,118 transferable permits in the group of original 19 salmon permit types, and 80.1% of the 2,213 Arctic-Yukon-Kuskokwim (AYK) transferable permits.

By the end of 2004, the distribution of permits among the resident types had changed to the levels shown in Table 4. Alaska residents held 77.0% (11,159 permits) of all permits and nonresidents held 23.0% (3,331 permits). Of the existing 13,569 transferable permits at the end of 2004, residents held 76.4% (10,370 permits) and nonresidents held 23.6% (3,199 permits). Eighty-four 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 2004 includes a 25.1% (1,884 permits) decrease in the total number of permits held by ARLs. At year-end 2004, ARLs held 50.4% of all Alaskan resident permits (5,627 out of 11,159) and 38.8% of the total permits (5,627 out of 14,490). ARLs held 51.1% (5,301 out of 10,370) of the transferable permits held by Alaskan residents and 39.1% of all transferable permits (5,301 out of 13,569). 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 17.6% (726 permits) by the end of 2004. The total number of permits held by AUNs increased 45.5% (387 permits), the largest percent change of any residency type. ARNs and nonresidents also increased their holdings of permits: 19.6% for ARNs (132 permits) and 13.3% (391 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 29,840 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 56.2% in 2004. Generally, the percentage of intra-cohort transfers was higher in the early years, from 1975 to 1981. By the end of 2004, intra-cohort transfers over all years accounted for 62.7% 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 2004, 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 30 of the listed permit types as the net result of cross-cohort transfer activity, which resulted in a statewide net decrease of 613 ARL permits (9.1% of the 6,754 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 (398 permits combined) which represent 64.9% of the 613 permit decrease. This 398 permit decrease is 31.3% of the 1,270 transferable permits originally issued to ARLs in these two permit types.
2. Permits held by ARNs increased by 183 permits due to net transfer activity, a 29.4% increase of the 623 transferable permits issued to this resident type.
3. Permits held by AULs increased by 201 permits due to net transfer activity (6.6% of the 3,047 transferable permits originally issued to this group). The largest net increases were in the salmon power troll (60 permits), Kodiak salmon seine (54 permits), and Kodiak salmon setnet (38 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 212 permits due to net transfer activity, a 27.3% increase over the 776 transferable permits initially issued to this resident type. The number of transferable permits held by AUNs has increased in 24 permit types, especially Bristol Bay salmon (152 permits), and Prince William Sound salmon (41 permits).
5. The number of permits held by nonresidents decreased by 67 permits statewide through net transfer activity, a 2.5% decrease from the 2,702 transferable permits originally issued to nonresidents. The number of transferable permits decreased in 36 of the permit types due to net transfer activity, especially the salmon power troll (133 permits), Kodiak salmon seine and setnet (61 and 28 permits respectively), Cook Inlet salmon drift gillnet (57 permits), and Prince William Sound salmon drift gillnet (40 permits) permit types.

In 19 other permit types, the number of permits held by nonresidents increased due to net transfer activity, especially Bristol Bay salmon drift and set gillnet (204 permits), salmon hand troll (40 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 1975-2004 time period there were 9,362 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 1975-2004 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 714 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 45 permit types and ARL net increases in 8 others.

The number of permits held by ARLs decreased primarily in the AYK salmon (228 permits), Bristol Bay salmon setnet (100 permits), power troll (69 permits), hand troll (67 permits), Bristol Bay salmon driftnet (47 permits), and Prince William Sound salmon seine (35 permits), and drift gillnet (32 permits) permit types. Some of the ARL gains through migration were made in the Cook Inlet salmon setnet (35 permits) and drift gillnet (17 permits), Chignik salmon seine (10 permits), and Southeast salmon drift gillnet (9 permits) permit types.

2. There is no change in the number of permits held by ARNs due to net migration activity. Permit types with the greatest amount of increase were AYK salmon (54 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 289 as the net result of migration. The decrease was primarily in the Cook Inlet salmon setnet (70 permits), hand troll (65 permits), Cook Inlet drift gillnet (56 permits), and Kodiak salmon seine (53 permits) permit types.
4. The number of permits held by AUNs increased by 276 as the net result of migration. Permits held by AUNs increased by 137 permits in the AYK salmon permit types and 29 permits in the hand troll permit type. However, there were net decreases in 11 permit types, particularly in the herring permit types limited in 1977-78 (20 permits), and Bristol Bay salmon drift gillnet permit type (23 permits).
5. Permit holders moving in and out of Alaska resulted in a net increase of 727 nonresident permits. The nonresident category shows net changes in the number of permits in 54 different permit types, 49 of which indicate net increases. The largest net increases in permits held by nonresidents were in Bristol Bay salmon (160 permits), hand troll (97 permits), Cook Inlet salmon (90 permits), and Kodiak purse seine and setnet salmon (87 permits) permit types. The largest decreases in the number of permits held by nonresidents as the net result of migration occurred in the Southeast salmon drift gillnet (3 permits) and Southeast urchin dive (3 permits) fisheries.

### **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 7,511 permits, (transferable and nontransferable, Table 3) through year-end 2004, which represented 46.6% of all permits. At year-end 2004, 5,627 (38.8%) of all permits were held by ARLs (Table 4). The decrease of 1,884 permits represents 25.1% of all permits originally issued to this group. Migration accounts for 37.9% of the decrease (714 permits) followed by transfer activities (32.5% or 613 permits) and cancellations (29.6% or 557 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 672 permits (4.2% of all permits). By the end of 2004, the number of permits held by ARNs rose to 804 (5.5% of all permits). The increase of 132 permits represents a 19.6% increase over the number of permits originally issued to this group. The net increase is due to transfer activity (183 permits). Cancellations reduced the number of ARN-held permits by 51 permits.
3. AULs received 4,132 of all permits issued through 2004 (25.7% of all permits). They held 3,406 permits at year-end 2004 (23.5% of all permits), a decrease of 726 permits. Cancellations of permits (638 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 201 AUL-held permits, while migration has resulted in a net loss of 289 permits to other resident types.

4. AUNs received 851 (5.3%) of all permits issued through 2004. At the end of 2004, the number of permits held by AUNs had risen to 1,238 (8.5% of all permits). The increase of 387 permits represents a 45.5% increase over the number of permits originally issued to this group.
5. Nonresidents received 2,940 of all permits issued through 2004 (18.3% of all permits). By the end of 2004, nonresidents held 3,331 permits (23.0%). The 391 net permit increase represents a 13.3% increase over the number of permits originally issued to this group.

The overall net change has been most significantly influenced by migration (727 permits) followed by cancellations (269 permits). Net transfer activity has reduced nonresident permit holders by 67 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 Permit Type and Resident Type, 1975-2004\***

Permits First Issued in:	All Permits Issued to					All Transferable Permits Issued to					All Permits	
	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	185	12	0	14	56	185	12	0	14	56	211	267
PWS Salmon Drift Gillnet	349	20	0	28	140	349	20	0	28	140	397	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	101	0	2	3	15	101	0	2	3	15	106	121
Pen/Aleutian Salmon Drift	98	1	1	13	48	98	1	1	13	48	113	161
Pen/Aleutian Salmon Setnet	99	0	0	8	8	99	0	0	8	8	107	115
Bristol Bay Salmon Drift	713	184	0	231	746	713	184	0	231	746	1,128	1,874
Bristol Bay Salmon Setnet	661	64	0	160	155	557	49	0	139	137	885	1,040
	3,448	358	1,617	586	2,272	3,342	342	1,616	565	2,253	6,009	8,281
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	679	19	0	12	1	679	19	0	12	1	710	711
Norton Sound Salmon Gillnet	177	1	23	2	0	177	1	23	2	0	203	203
	1,772	30	383	23	5	1,772	30	383	23	5	2,208	2,213
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	1,155	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	3	0	1	0	0	3	0	1	3	4
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	10	0	4	2	1	10	0	4	13	17
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	1,319	84	237	439	36	478	41	106	2,369	2,606
1988-91												
BBay Herring Spawn on Kelp	272	5	0	5	5	272	5	0	5	5	282	287
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	45	3	0	11	5	41	3	0	7	3	59	64
Lower Yukon Herring Gillnet	86	1	0	2	0	86	1	0	2	0	89	89
Norton Sd Herring Gillnet	137	25	7	38	51	137	25	7	38	51	207	258
	670	41	7	65	71	666	41	7	61	69	783	854

**TABLE 3. Total Number of Initial Permit Holders by Permit Type and Resident Type, 1975-2004\***

Permits First Issued in:	All Permits Issued to					All Transferable Permits Issued to					All Permits	
	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	24	1	10	13	0	22	1	10	38	48
SE Dungeness 150 Pot	25	0	48	0	12	25	0	47	0	11	73	85
SE Dungeness 75 Pot	46	1	48	0	14	34	1	28	0	6	95	109
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
	155	4	164	3	50	129	3	132	3	41	326	376
1998												
NSE Her Spawn on Kelp Pnd	13	0	68	5	16	13	0	68	5	16	86	102
SSE Her Spawn on Kelp Pnd	129	0	64	1	15	99	0	42	1	11	194	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
	301	12	288	32	63	206	10	184	29	49	633	696
1999-2002												
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
2004												
Kodiak Tnr Bairdi, Pot > 60ft	0	0	5	0	1	0	0	5	0	1	5	6
Kodiak Tnr Bairdi, Pot < 60ft	7	1	23	1	2	7	1	23	1	2	32	34
	7	1	28	1	3	7	1	28	1	3	37	40
Overall Total	7,511	672	4,132	851	2,940	6,754	623	3,047	776	2,702	13,166	16,106

\* Figures in this table include 1,678 permits which were cancelled because of forfeit, criminal action, revocation, reconsideration, or administrative error. Sixty-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. 2004 Year-end Distribution of Permit Holders by Permit Type and Resident Type\***

Permits First Issued in:	All Permits Held By						All Transferable Permits Held By **						All Permits	
	ARL	ARN	AUL	AUN	NR	DCED CFAB	ARL	ARN	AUL	AUN	NR	DCED CFAB	Alaska Total	Grand Total
1975														
SE Salmon Seine	42	10	122	10	229	1	42	10	122	10	229	1	185	414
SE Salmon Drift	119	2	218	4	124	6	119	2	218	4	124	6	349	473
Salmon Power Troll	263	6	489	16	186	1	263	6	489	16	186	1	775	961
Yakutat Salmon Setnet	98	7	0	21	39	1	98	7	0	21	39	1	127	166
PWS Salmon Seine	115	44	0	33	73	1	115	44	0	33	73	1	193	266
PWS Salmon Drift	253	68	0	82	131	3	253	68	0	82	131	3	406	537
PWS Salmon Setnet	8	2	0	15	5	0	7	2	0	15	5	0	25	30
Cook Inlet Salmon Seine	67	0	8	0	6	0	67	0	8	0	6	0	75	81
Cook Inlet Salmon Drift	207	6	170	11	169	6	207	6	170	11	169	6	400	569
Cook Inlet Salmon Setnet	246	19	344	5	122	3	246	19	344	5	122	3	617	739
Kodiak Salmon Seine	42	38	161	33	95	6	42	38	161	33	95	6	280	375
Kodiak S Beach Seine	3	5	14	4	6	0	3	5	14	4	6	0	26	32
Kodiak Salmon Setnet	19	5	90	13	61	0	19	5	90	13	61	0	127	188
Chignik Salmon Seine	41	13	0	18	18	0	41	13	0	18	18	0	72	90
Pen/Aleutian S Seine	74	1	1	9	33	2	74	1	1	9	33	2	87	120
Pen/Aleutian Salmon Drift	37	22	3	11	78	10	37	22	3	11	78	10	83	161
Pen/Aleutian S Setnet	70	3	1	18	18	3	70	3	1	18	18	3	95	113
Bristol Bay Salmon Drift	422	157	0	295	957	26	422	157	0	295	957	26	900	1,857
Bristol Bay Salmon Setnet	378	68	0	244	293	5	339	63	0	233	279	5	695	988
	2,504	476	1,621	842	2,643	74	2,464	471	1,621	831	2,629	74	5,517	8,160
1976														
U Yukon Salmon Gillnet	29	2	28	7	1	0	29	2	28	7	1	0	66	67
U Yukon Fish Wheel	97	5	25	8	2	0	97	5	25	8	2	0	135	137
Kuskokwim S Gillnet	579	1	168	22	6	2	579	1	168	22	6	2	772	778
Kotzebue Salmon Gillnet	28	5	121	17	5	0	28	5	121	17	5	0	171	176
L Yukon Salmon Gillnet	578	25	0	77	8	2	578	25	0	77	8	2	682	690
Norton Sd Salmon Gillnet	116	5	15	20	4	0	116	5	15	20	4	0	156	160
	1,427	43	357	151	26	4	1,427	43	357	151	26	4	1,982	2,008
1977-1978														
SE Roe Herring Seine	3	5	20	3	14	0	3	5	20	3	14	0	31	45
SE Herring Gillnet	17	0	64	0	27	0	17	0	64	0	27	0	81	108
PWS Roe Herring Seine	25	30	0	28	21	0	25	30	0	28	21	0	83	104
Cook Inlet Herring Seine	31	4	8	10	21	0	31	4	8	10	21	0	53	74
	76	39	92	41	83	0	76	39	92	41	83	0	248	331
1980-1987														
Salmon Hand Troll	447	13	513	38	126	0	303	7	322	21	84	0	1,011	1,137
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	4	0	0	0	0	0	4	0	0	0	4	4
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	3	0	14	0	0	0	3	0	14	0	0	0	17	17
PWS Roe Herring Gillnet	17	0	0	6	1	0	17	0	0	6	1	0	23	24
PWS Her Spawn Kelp Pnd	51	21	0	16	38	2	51	21	0	16	38	2	90	128
Kodiak Roe Herring Seine	7	10	28	6	15	1	5	10	25	5	8	1	52	67
Kodiak Roe Her Gillnet	7	17	46	10	11	0	7	15	39	8	11	0	80	91
Kodiak Roe Her Seine/Gill	1	0	1	0	0	0	0	0	1	0	0	0	2	2
	539	65	672	77	200	3	392	57	471	57	151	3	1,356	1,556
1988-1991														
BBay Her Spawn on Kelp	233	10	0	9	10	0	233	10	0	9	10	0	252	262
Norton Sd H Beach Seine	0	1	0	0	3	0	0	1	0	0	3	0	1	4
Nelson Island Her Gillnet	109	5	0	10	3	0	109	5	0	10	3	0	124	127
Nunivak Is Her Gillnet	32	2	0	12	5	0	31	2	0	9	3	0	46	51
Lower Yukon Her Gillnet	64	0	0	1	0	0	64	0	0	1	0	0	65	65
Norton Sd Herring Gillnet	95	41	3	36	69	1	95	41	3	36	69	1	176	245
	533	59	3	68	90	1	532	59	3	65	88	1	664	754

**TABLE 4. 2004 Year-end Distribution of Permit Holders by Permit Type and Resident Type\***

Permits First Issued in:	All Permits Held By						All Transferable Permits Held By**						All Permits	
	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	5	0	36	1	6	0	5	0	36	1	6	0	42	48
SE Dungeness 225 Pot	11	0	24	1	8	0	11	0	23	1	8	0	36	44
SE Dungeness 150 Pot	29	0	44	0	10	0	29	0	43	0	9	0	73	83
SE Dungeness 75 Pot	43	0	44	0	10	2	35	0	25	0	6	2	89	99
Cook Inlet Dungeness Pot	55	2	7	2	4	0	46	1	6	2	4	0	66	70
	146	2	159	4	39	2	126	1	133	4	33	2	313	352
1998														
NSE Her Spawn Kelp Pnd	15	0	67	2	17	0	15	0	67	2	17	0	84	101
SSE Her Spawn Kelp Pnd	91	0	70	2	23	0	75	0	53	2	18	0	163	186
SE Shrimp Otter	0	0	0	1	0	0	0	0	0	0	0	0	1	1
SE Shrimp Beam Trawl	11	0	11	0	4	0	10	0	10	0	3	0	22	26
SE Shrimp Pot	121	2	123	4	29	0	69	2	59	3	21	0	250	279
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	2	0	0	0	0	0	2	0	0	0	0	2	2
PWS Sablefish Fixed 50ft	11	5	0	14	2	0	11	5	0	14	2	0	30	32
PWS Sablefish Fixed 35ft	5	2	0	2	0	0	5	2	0	2	0	0	9	9
	255	11	271	26	75	0	186	11	189	24	61	0	563	638
1999-2002														
SE Urchin Dive	10	0	21	1	49	0	10	0	21	1	49	0	32	81
SE Geoduck Dive	4	0	13	1	31	0	4	0	13	1	31	0	18	49
SE Cucumber Dive	88	1	164	9	88	0	39	1	69	5	41	0	262	350
Goodnews Bay Her Gillnet	37	107	0	17	1	0	37	102	0	17	1	0	161	162
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
	140	108	203	28	172	0	91	103	108	24	125	0	479	651
2004														
Kodiak Tnr Bairdi,Pot> 60ft	0	0	5	0	1	0	0	0	5	0	1	0	5	6
Kodiak Tnr Bairdi,Pot< 60ft	7	1	23	1	2	0	7	1	23	1	2	0	32	34
	7	1	28	1	3	0	7	1	28	1	3	0	37	40
Overall Total	5,627	804	3,406	1,238	3,331	84	5,301	785	3,002	1,198	3,199	84	11,159	14,490

\* This table excludes 1,616 permits which were cancelled by CFEC and not reinstated.

\*\* By 2004, the net effects of transferable and nontransferable permits changing status through the CFEC adjudication process resulted in the addition of 124 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, 1975-2004**

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Cross-Cohort															
Rural Local to:															
Rural Nonlocal	2	6	7	9	8	9	10	15	8	9	13	19	14	8	12
Urban Local	21	33	57	48	43	45	56	33	34	38	28	34	30	40	39
Urban Nonlocal	6	9	24	44	42	48	50	51	57	28	35	35	28	22	16
Nonresident	14	37	47	62	43	45	44	60	44	49	39	50	40	41	31
DCED/CFAB	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>5</u>	<u>2</u>	<u>3</u>	<u>6</u>	<u>5</u>	<u>6</u>	<u>1</u>
	43	85	135	163	136	147	160	160	148	126	118	144	117	117	99
Rural Nonlocal to:															
Rural Local	2	4	5	7	3	6	4	10	5	7	6	6	8	5	4
Urban Local	1	6	3	5	4	2	5	9	3	5	4	3	1	2	3
Urban Nonlocal	1	3	9	7	11	10	12	10	14	7	8	10	16	19	7
Nonresident	0	2	12	16	6	4	11	9	4	11	16	12	9	12	7
DCED/CFAB	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>2</u>	<u>0</u>
	4	15	29	35	24	22	32	38	26	30	34	31	36	40	21
Urban Local to:															
Rural Local	23	26	27	26	29	13	35	27	24	30	34	46	48	30	40
Rural Nonlocal	3	1	1	5	4	2	0	3	3	2	5	5	9	10	9
Urban Nonlocal	1	3	6	7	9	5	2	8	7	3	7	10	10	13	5
Nonresident	10	16	22	27	42	30	22	41	42	59	48	32	30	52	30
DCED/CFAB	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10</u>	<u>5</u>	<u>3</u>	<u>6</u>	<u>5</u>	<u>5</u>	<u>2</u>	<u>0</u>
	37	46	56	65	84	50	59	89	81	97	100	98	102	107	84
Urban Nonlocal to:															
Rural Local	7	5	9	22	10	13	14	10	12	14	24	14	23	18	8
Rural Nonlocal	2	3	6	7	8	7	6	14	12	5	15	10	15	18	9
Urban Local	0	6	10	11	3	7	3	5	8	8	7	7	6	14	8
Nonresident	4	10	16	15	27	18	23	30	16	24	26	22	28	32	18
DCED/CFAB	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>3</u>	<u>0</u>	<u>3</u>	<u>2</u>
	13	24	41	55	48	45	46	59	50	51	73	56	72	85	45
Nonresident to:															
Rural Local	35	28	32	38	13	21	23	31	19	15	30	26	27	36	27
Rural Nonlocal	2	7	7	9	10	12	12	10	16	9	17	20	24	18	14
Urban Local	40	28	38	46	42	36	22	26	30	21	29	42	42	42	31
Urban Nonlocal	10	6	8	21	23	18	29	17	34	23	25	40	20	22	20
DCED/CFAB	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>
	87	69	85	114	88	87	86	84	99	69	101	128	114	118	92
DCED/CFAB to:															
Rural Local	0	0	0	0	0	0	0	1	2	2	0	2	1	6	1
Rural Nonlocal	0	0	0	0	0	0	0	0	0	0	3	2	2	2	0
Urban Local	0	0	0	0	0	0	0	1	5	6	5	5	6	1	1
Urban Nonlocal	0	0	0	0	0	0	0	0	0	2	1	5	5	6	2
Nonresident	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
	0	0	0	0	0	0	0	2	8	10	9	15	15	16	5
Intra-Cohort															
Transfers Between:															
Rural Local	97	155	264	316	301	275	267	263	339	246	240	247	251	239	234
Rural Nonlocal	6	7	20	36	38	27	16	23	22	21	26	26	28	28	28
Urban Local	125	124	202	232	193	170	181	181	218	166	184	230	170	162	126
Urban Nonlocal	5	19	44	54	61	57	55	52	43	63	50	40	60	63	52
Nonresident	<u>173</u>	<u>232</u>	<u>232</u>	<u>244</u>	<u>236</u>	<u>180</u>	<u>190</u>	<u>193</u>	<u>177</u>	<u>174</u>	<u>176</u>	<u>176</u>	<u>155</u>	<u>150</u>	<u>128</u>
	406	537	762	882	829	709	709	712	799	670	676	719	664	642	568
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	914

**TABLE 5. Numbers of Transfers Between Resident Types by Year, 1975-2004**

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Cross-Cohort															
Rural Local to:															
Rural Nonlocal	4	11	12	9	5	14	13	5	8	3	7	4	4	6	6
Urban Local	32	25	33	28	20	21	25	30	31	22	21	20	23	26	26
Urban Nonlocal	15	19	13	18	12	20	15	13	13	11	14	13	6	11	26
Nonresident	37	36	41	37	38	39	48	30	30	25	20	26	23	26	24
DCED/CFAB	<u>1</u>	<u>4</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>3</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>4</u>	<u>7</u>	<u>9</u>	<u>16</u>	<u>17</u>	<u>12</u>
	89	95	102	95	77	97	101	79	83	65	69	72	72	86	94
Rural Nonlocal to:															
Rural Local	8	3	6	4	5	14	5	8	4	6	12	4	6	9	7
Urban Local	2	4	6	3	4	3	5	3	4	1	3	1	0	2	2
Urban Nonlocal	14	12	14	10	12	14	8	9	4	3	5	6	5	9	8
Nonresident	12	13	13	9	12	7	23	17	14	13	7	4	8	17	14
DCED/CFAB	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>4</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>4</u>	<u>5</u>	<u>7</u>
	36	32	40	26	37	39	41	38	28	25	29	17	23	42	38
Urban Local to:															
Rural Local	42	29	32	31	23	30	24	33	26	27	33	23	23	20	33
Rural Nonlocal	5	9	5	2	1	6	4	2	2	1	1	2	2	2	0
Urban Nonlocal	10	3	7	2	4	5	1	7	4	2	8	7	4	3	4
Nonresident	34	22	27	19	37	30	34	25	27	15	22	32	23	27	41
DCED/CFAB	<u>0</u>	<u>0</u>	<u>5</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>3</u>	<u>2</u>	<u>5</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>5</u>	<u>1</u>
	91	63	76	57	67	73	64	70	61	50	67	68	57	57	79
Urban Nonlocal to:															
Rural Local	17	16	28	12	12	22	28	17	16	13	25	22	17	25	21
Rural Nonlocal	19	18	9	8	12	16	15	8	6	4	5	11	2	3	5
Urban Local	8	4	8	2	3	6	1	4	4	6	6	6	4	7	8
Nonresident	16	24	21	16	24	27	18	25	21	16	24	12	21	21	22
DCED/CFAB	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>3</u>	<u>3</u>	<u>14</u>	<u>5</u>	<u>4</u>
	60	63	66	38	53	72	63	54	49	39	63	54	58	61	60
Nonresident to:															
Rural Local	28	36	30	29	38	28	32	47	36	37	44	33	34	43	44
Rural Nonlocal	16	14	10	15	14	21	18	21	19	18	14	15	8	15	15
Urban Local	22	18	25	20	27	36	33	54	36	32	49	56	32	40	56
Urban Nonlocal	26	20	12	16	17	19	17	29	17	17	22	32	16	22	25
DCED/CFAB	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>3</u>	<u>2</u>	<u>6</u>	<u>5</u>	<u>3</u>
	93	88	77	80	97	104	101	153	108	105	132	138	96	125	143
DCED/CFAB to:															
Rural Local	0	0	1	5	1	5	1	1	1	4	4	2	4	4	9
Rural Nonlocal	0	1	0	1	2	1	0	0	1	1	1	1	2	4	3
Urban Local	0	2	2	2	3	1	1	1	0	5	7	5	0	4	1
Urban Nonlocal	0	2	0	1	0	3	0	0	0	2	6	3	5	2	2
Nonresident	<u>1</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5</u>	<u>2</u>	<u>3</u>
	1	7	3	9	7	10	2	2	2	12	18	11	16	16	18
Intra-Cohort															
Transfers Between:															
Rural Local	211	205	206	218	212	236	226	200	194	193	189	201	141	146	186
Rural Nonlocal	18	33	28	27	29	31	32	19	24	22	31	21	24	16	16
Urban Local	169	148	135	126	120	125	77	146	123	114	142	144	111	137	138
Urban Nonlocal	43	30	42	32	38	53	61	31	24	40	37	41	28	48	33
Nonresident	<u>139</u>	<u>165</u>	<u>177</u>	<u>146</u>	<u>171</u>	<u>170</u>	<u>173</u>	<u>169</u>	<u>164</u>	<u>149</u>	<u>187</u>	<u>191</u>	<u>167</u>	<u>208</u>	<u>181</u>
	580	581	588	549	570	615	569	565	529	518	586	598	471	555	554
GRAND TOTALS	950	929	952	854	908	1,010	941	961	860	814	964	958	793	942	986

**TABLE 6. Numbers of Intra-Cohort and Cross-Cohort Transfers By Permit Type, 1975-2004\***

Permits First Issued in:	Intra Cohort		Cross Cohort		Total Transfers
	Count	Percent	Count	Percent	
1975					
SE Salmon Seine	643	65.3	341	34.7	984
SE Salmon Drift	998	63.4	576	36.6	1,574
Salmon Power Troll	1,406	56.7	1,072	43.3	2,478
Yakutat Salmon Setnet	326	68.2	152	31.8	478
PWS Salmon Seine	439	61.2	278	38.8	717
PWS Salmon Drift	761	53.1	671	46.9	1,432
PWS Salmon Setnet	60	59.4	41	40.6	101
Cook Inlet Salmon Seine	157	72.4	60	27.6	217
Cook Inlet Salmon Drift	1,066	64.7	582	35.3	1,648
Cook Inlet Salmon Setnet	1,417	62.4	854	37.6	2,271
Kodiak Salmon Seine	551	53.2	485	46.8	1,036
Kodiak Salmon Beach Seine	78	61.9	48	38.1	126
Kodiak Salmon Setnet	447	61.5	280	38.5	727
Chignik Salmon Seine	77	54.2	65	45.8	142
Pen/Aleutian Salmon Seine	172	67.2	84	32.8	256
Pen/Aleutian Salmon Drift	271	56.8	206	43.2	477
Pen/Aleutian Salmon Setnet	257	65.2	137	34.8	394
Bristol Bay Salmon Drift	2,884	66.5	1,455	33.5	4,339
Bristol Bay Salmon Setnet	<u>1,641</u>	<u>60.8</u>	<u>1,059</u>	<u>39.2</u>	<u>2,700</u>
	13,651	61.8	8,446	38.2	22,097
1976					
Upper Yukon Salmon Gillnet	61	58.1	44	41.9	105
U Yukon Salmon Fish Wheel	173	68.9	78	31.1	251
Kuskokwim Salmon Gillnet	964	80.7	230	19.3	1,194
Kotzebue Salmon Gillnet	263	77.1	78	22.9	341
Lower Yukon Salmon Gillnet	771	76.6	236	23.4	1,007
Norton Sound Salmon Gillnet	<u>242</u>	<u>75.4</u>	<u>79</u>	<u>24.6</u>	<u>321</u>
	2,474	76.9	745	23.1	3,219
1977-1978					
SE Roe Herring Seine	32	45.1	39	54.9	71
SE Herring Gillnet	134	56.1	105	43.9	239
PWS Roe Herring Seine	95	52.2	87	47.8	182
Cook Inlet Herring Seine	<u>77</u>	<u>54.2</u>	<u>65</u>	<u>45.8</u>	<u>142</u>
	338	53.3	296	46.7	634
1980-1987					
Salmon Hand Troll	1,198	60.6	779	39.4	1,977
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	9	75.0	3	25.0	12
SE Brown King/Tanner Pot	1	50.0	1	50.0	2
SE All King/Tanner Pot	12	75.0	4	25.0	16
SE Tanner Crab Pot	6	46.2	7	53.8	13
PWS Roe Herring Gillnet	24	61.5	15	38.5	39
PWS Her Spawn on Kelp Pound	49	37.1	83	62.9	132
Kodiak Roe Herring Seine	37	36.6	64	63.4	101
Kodiak Roe Herring Gillnet	<u>86</u>	<u>52.1</u>	<u>79</u>	<u>47.9</u>	<u>165</u>
	1,464	58.0	1,060	42.0	2,524
1988-1991					
BBay Herring Spawn on Kelp	85	83.3	17	16.7	102
Norton Sd Her Beach Seine	1	100.0	0	0.0	1
Nelson Island Her Gillnet	42	76.4	13	23.6	55
Nunivak Island Her Gillnet	11	73.3	4	26.7	15
Lower Yukon Herring Gillnet	42	97.7	1	2.3	43
Norton Sd Herring Gillnet	<u>160</u>	<u>53.7</u>	<u>138</u>	<u>46.3</u>	<u>298</u>
	341	66.3	173	33.7	514



**TABLE 6. Numbers of Intra-Cohort and Cross-Cohort Transfers By Permit Type, 1975-2004\***

Permits First Issued in:	Intra Cohort		Cross Cohort		Total Transfers
	Count	Percent	Count	Percent	
1997					
SE Dungeness 300 Pot	29	53.7	25	46.3	54
SE Dungeness 225 Pot	29	54.7	24	45.3	53
SE Dungeness 150 Pot	70	58.3	50	41.7	120
SE Dungeness 75 Pot	66	52.4	60	47.6	126
Cook Inlet Dungeness Pot	<u>7</u>	<u>87.5</u>	<u>1</u>	<u>12.5</u>	<u>8</u>
	201	55.7	160	44.3	361
1998					
NSE Her Spawn on Kelp Pound	41	47.1	46	52.9	87
SSE Her Spawn on Kelp Pound	42	50.0	42	50.0	84
SE Shrimp Beam Trawl	5	62.5	3	37.5	8
SE Shrimp Pot	52	46.4	60	53.6	112
PWS Sablefish Fixed 90ft	1	33.3	2	66.7	3
PWS Sablefish Fixed 60ft	0	0.0	2	100.0	2
PWS Sablefish Fixed 50ft	9	45.0	11	55.0	20
PWS Sablefish Fixed 35ft	<u>5</u>	<u>38.5</u>	<u>8</u>	<u>61.5</u>	<u>13</u>
	155	47.1	174	52.9	329
1999-2002					
SE Urchin Dive	40	55.6	32	44.4	72
SE Geoduck Dive	14	58.3	10	41.7	24
SE Cucumber Dive	21	42.0	29	58.0	50
Goodnews Bay Her Gillnet	<u>3</u>	<u>81.3</u>	<u>3</u>	<u>18.8</u>	<u>16</u>
	88	54.3	74	45.7	162
Statewide Totals	18,712	62.7	11,128	37.3	29,840

\* The number of transfers includes 298 permit foreclosures and 214 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 Permit Type, 1975-2004\***

Permits First Issued in:	ARL	ARN	AUL	AUN	NR	DCED/ CFAB
1975						
SE Salmon Seine	-65	6	33	16	9	1
SE Salmon Drift	-6	10	25	-5	-30	6
Salmon Power Troll	71	-3	60	4	-133	1
Yakutat Salmon Setnet	-11	7	0	-9	12	1
PWS Salmon Seine	-34	33	0	0	0	1
PWS Salmon Drift	-63	70	0	30	-40	3
PWS Salmon Setnet	-10	3	0	11	-4	0
Cook Inlet Salmon Seine	-5	2	2	2	-1	0
Cook Inlet Salmon Drift	24	-1	30	-2	-57	6
Cook Inlet Salmon Setnet	12	-2	-28	-8	23	3
Kodiak Salmon Seine	-13	6	54	8	-61	6
Kodiak Salmon Beach Seine	-3	1	-4	1	5	0
Kodiak Salmon Setnet	-9	-1	38	0	-28	0
Chignik Salmon Seine	2	5	0	0	-7	0
Pen/Aleutian Salmon Seine	-23	-1	-2	6	18	2
Pen/Aleutian Salmon Drift	-61	26	2	1	22	10
Pen/Aleutian Salmon Setnet	-3	4	1	-6	1	3
Bristol Bay Salmon Drift	-237	0	0	89	122	26
Bristol Bay Salmon Setnet	<u>-161</u>	<u>11</u>	<u>0</u>	<u>63</u>	<u>82</u>	<u>5</u>
	-595	176	211	201	-67	74
1976						
Upper Yukon Salmon Gillnet	-2	0	0	3	-1	0
U Yukon Salmon Fish Wheel	4	-1	1	-3	-1	0
Kuskokwim Salmon Gillnet	4	-7	2	-3	2	2
Kotzebue Salmon Gillnet	-8	1	9	-2	0	0
Lower Yukon Salmon Gillnet	7	-23	0	15	-1	2
Norton Sound Salmon Gillnet	<u>-2</u>	<u>-3</u>	<u>-1</u>	<u>3</u>	<u>3</u>	<u>0</u>
	3	-33	11	13	2	4
1977-1978						
SE Roe Herring Seine	0	5	-17	3	9	0
SE Herring Gillnet	-1	1	10	-1	-9	0
PWS Roe Herring Seine	3	-9	0	12	-6	0
Cook Inlet Herring Seine	<u>-10</u>	<u>-2</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>0</u>
	-8	-5	-7	26	-6	0
1980-1987						
Salmon Hand Troll	-9	6	-37	0	40	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	-1	5	0	-4	0
PWS Roe Herring Gillnet	2	1	0	2	-5	0
PWS Her Spawn on Kelp Pound	-4	13	0	-2	-9	2
Kodiak Roe Herring Seine	4	4	-10	5	-4	1
Kodiak Roe Herring Gillnet	<u>3</u>	<u>-7</u>	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>
	-5	19	-30	4	9	3
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	9	-1	0	-6	-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	<u>-26</u>	<u>26</u>	<u>-2</u>	<u>-14</u>	<u>15</u>	<u>1</u>
	-12	25	-2	-24	12	1

**TABLE 7. Net Shifts in Resident Types Due to Transfer Activity by Permit Type, 1975-2004\***

Permits First Issued in:	ARL	ARN	AUL	AUN	NR	DCED/ CFAB
1997						
SE Dungeness 300 Pot	0	0	9	1	-10	0
SE Dungeness 225 Pot	1	0	0	0	-1	0
SE Dungeness 150 Pot	8	0	-1	-3	-4	0
SE Dungeness 75 Pot	0	0	-4	0	2	2
Cook Inlet Dungeness Pot	<u>-1</u>	<u>0</u>	<u>-1</u>	<u>0</u>	<u>0</u>	<u>-0</u>
	8	0	5	-2	-13	2
1998						
NSE Her Spawn on Kelp Pound	3	-1	3	-2	-3	0
SSE Her Spawn on Kelp Pound	-16	1	12	1	2	0
SE Shrimp Beam Trawl	0	0	1	0	-1	0
SE Shrimp Pot	-5	1	0	-2	6	0
PWS Sablefish Fixed 90ft	0	0	0	0	0	0
PWS Sablefish Fixed 60ft	0	2	0	-2	0	0
PWS Sablefish Fixed 50ft	5	-1	0	-1	-3	0
PWS Sablefish Fixed 35ft	<u>3</u>	<u>0</u>	<u>0</u>	<u>-1</u>	<u>-2</u>	<u>0</u>
	-10	2	16	-7	-1	0
1999-2002						
SE Urchin Dive	2	0	-4	-1	3	0
SE Geoduck Dive	0	0	3	1	-4	0
SE Cucumber Dive	5	-1	-2	1	-3	0
Goodnews Bay Her Gillnet	<u>-1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>
	6	-1	-3	1	-3	0
Net Shifts 1975-2004	-613	183	201	212	-67	84

\* Some permit types do not appear in this table since no transfers have occurred since initial issuance. If the table shows all zeros for a permit type, this indicates there were transfers but there was no net change.

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, 1975-2004**

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Rural Local to:																
Rural Nonlocal	0	4	6	9	6	6	5	18	8	15	5	6	6	9	11	21
Urban Local	0	11	29	27	29	25	21	35	22	37	35	33	27	34	39	55
Urban Nonlocal	0	18	20	12	19	28	27	50	20	30	28	29	32	33	41	63
Nonresident	0	<u>9</u>	<u>31</u>	<u>66</u>	<u>33</u>	<u>27</u>	<u>32</u>	<u>31</u>	<u>17</u>	<u>36</u>	<u>26</u>	<u>36</u>	<u>37</u>	<u>46</u>	<u>40</u>	<u>38</u>
	0	42	86	114	87	86	85	134	67	118	94	104	102	122	131	177
Rural Nonlocal to:																
Rural Local	0	3	9	6	9	7	2	7	5	4	5	7	5	8	14	3
Urban Local	0	3	2	5	0	1	2	2	3	3	1	3	2	4	3	6
Urban Nonlocal	0	3	8	9	7	9	6	8	8	3	8	6	14	9	13	16
Nonresident	0	<u>1</u>	<u>8</u>	<u>4</u>	<u>3</u>	<u>9</u>	<u>2</u>	<u>0</u>	<u>7</u>	<u>4</u>	<u>4</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>8</u>	<u>12</u>
	0	10	27	24	19	26	12	17	23	14	18	22	28	29	38	37
Urban Local to:																
Rural Local	0	24	21	27	39	35	21	26	19	76	44	39	34	47	36	27
Rural Nonlocal	0	3	5	1	7	2	2	2	2	7	5	1	6	4	3	3
Urban Nonlocal	0	2	8	5	3	4	9	6	1	5	6	14	9	11	9	13
Nonresident	0	<u>12</u>	<u>18</u>	<u>48</u>	<u>17</u>	<u>24</u>	<u>20</u>	<u>15</u>	<u>14</u>	<u>16</u>	<u>21</u>	<u>28</u>	<u>29</u>	<u>38</u>	<u>49</u>	<u>28</u>
	0	41	52	81	66	65	52	49	36	104	76	82	78	100	97	71
Urban Nonlocal to:																
Rural Local	0	32	22	32	19	19	32	25	25	31	17	24	25	20	27	29
Rural Nonlocal	0	10	6	6	12	5	7	7	10	6	7	17	12	20	13	12
Urban Local	0	2	4	3	4	4	1	5	4	7	6	3	6	10	8	4
Nonresident	0	<u>5</u>	<u>8</u>	<u>18</u>	<u>12</u>	<u>7</u>	<u>6</u>	<u>12</u>	<u>4</u>	<u>10</u>	<u>10</u>	<u>14</u>	<u>12</u>	<u>16</u>	<u>33</u>	<u>14</u>
	0	49	40	59	47	35	46	49	43	54	40	58	55	66	81	59
Nonresident to:																
Rural Local	0	32	17	21	33	33	34	31	49	35	27	18	25	22	30	18
Rural Nonlocal	0	4	3	3	5	2	5	7	4	2	5	6	3	5	2	1
Urban Local	0	23	16	24	14	15	17	32	21	26	33	25	19	23	16	18
Urban Nonlocal	0	<u>4</u>	<u>8</u>	<u>5</u>	<u>4</u>	<u>5</u>	<u>9</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>5</u>	<u>6</u>	<u>3</u>	<u>7</u>	<u>4</u>	<u>6</u>
	0	63	44	53	56	55	65	86	90	79	70	55	50	57	52	43
GRAND TOTALS	0	205	249	331	275	267	260	335	259	369	298	321	313	374	399	387

**TABLE 8. Numbers of Cross-Cohort Migrations by Year, 1975-2004**

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	All Years Totals	% of Grand Total
Rural Local to:																
Rural Nonlocal	7	8	8	18	10	16	7	6	14	10	5	8	12	11	275	2.9
Urban Local	41	34	38	30	30	27	31	34	45	43	46	51	31	28	968	10.3
Urban Nonlocal	43	28	27	28	48	41	38	43	55	46	70	46	34	43	1040	11.1
Nonresident	<u>26</u>	<u>20</u>	<u>33</u>	<u>29</u>	<u>34</u>	<u>33</u>	<u>35</u>	<u>28</u>	<u>31</u>	<u>52</u>	<u>24</u>	<u>47</u>	<u>46</u>	<u>32</u>	<u>975</u>	<u>10.4</u>
	117	90	106	105	122	117	111	111	145	151	145	152	123	114	3,258	34.8
Rural Nonlocal to:																
Rural Local	8	12	11	2	5	7	8	17	5	9	1	10	9	3	201	2.1
Urban Local	3	4	0	4	5	1	6	1	1	2	0	7	1	3	78	0.8
Urban Nonlocal	16	10	10	15	11	2	12	13	23	13	14	15	12	20	313	3.3
Nonresident	<u>8</u>	<u>5</u>	<u>11</u>	<u>11</u>	<u>8</u>	<u>6</u>	<u>5</u>	<u>14</u>	<u>8</u>	<u>8</u>	<u>11</u>	<u>11</u>	<u>9</u>	<u>5</u>	<u>203</u>	<u>2.2</u>
	35	31	32	32	29	16	31	45	37	32	26	43	31	31	795	8.5
Urban Local to:																
Rural Local	42	40	24	33	33	25	19	28	25	36	28	18	23	20	909	9.7
Rural Nonlocal	5	3	1	3	6	4	5	2	2	6	0	4	4	3	101	1.1
Urban Nonlocal	13	12	6	16	4	15	4	11	15	8	7	5	3	10	234	2.5
Nonresident	<u>36</u>	<u>30</u>	<u>27</u>	<u>26</u>	<u>33</u>	<u>36</u>	<u>32</u>	<u>34</u>	<u>32</u>	<u>41</u>	<u>37</u>	<u>40</u>	<u>33</u>	<u>31</u>	<u>845</u>	<u>9.0</u>
	96	85	58	78	76	80	60	75	74	91	72	67	63	64	2,089	22.3
Urban Nonlocal to:																
Rural Local	26	23	21	30	16	28	25	22	20	20	23	16	19	29	697	7.4
Rural Nonlocal	16	8	10	9	5	17	9	9	13	14	12	5	7	17	301	3.2
Urban Local	9	8	5	2	4	6	6	8	5	5	4	8	6	3	150	1.6
Nonresident	<u>13</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>11</u>	<u>21</u>	<u>14</u>	<u>13</u>	<u>15</u>	<u>14</u>	<u>14</u>	<u>12</u>	<u>15</u>	<u>23</u>	<u>388</u>	<u>4.1</u>
	64	52	50	56	36	72	54	52	53	53	53	41	47	72	1,536	16.4
Nonresident to:																
Rural Local	28	38	17	21	19	17	23	18	25	16	22	19	28	21	737	7.9
Rural Nonlocal	5	5	0	8	2	5	2	6	4	8	0	7	6	3	118	1.3
Urban Local	16	22	28	19	19	19	13	25	17	15	16	21	29	23	604	6.5
Urban Nonlocal	<u>7</u>	<u>7</u>	<u>9</u>	<u>10</u>	<u>7</u>	<u>7</u>	<u>4</u>	<u>10</u>	<u>9</u>	<u>6</u>	<u>6</u>	<u>11</u>	<u>6</u>	<u>12</u>	<u>225</u>	<u>2.4</u>
	56	72	54	58	47	48	42	59	55	45	44	58	69	59	1,684	18.0
GRAND TOTALS	368	330	300	329	310	333	298	342	364	372	340	361	333	340	9,362	100.0

**TABLE 9. Net Shifts in Resident Types Due to Migration Activity by Permit Type, 1975-2004**

Permits First Issued in:	ARL	ARN	AUL	AUN	NR
1975					
SE Salmon Seine	3	4	-16	-6	15
SE Salmon Drift	9	-9	-2	5	-3
Salmon Power Troll	-69	4	25	3	37
Yakutat Salmon Setnet	-18	-3	0	9	12
PWS Salmon Seine	-35	-1	0	19	17
PWS Salmon Drift	-32	-22	0	23	31
PWS Salmon Setnet	-3	-1	0	2	2
Cook Inlet Salmon Seine	-2	-2	0	-3	7
Cook Inlet Salmon Drift	17	-3	-56	2	40
Cook Inlet Salmon Setnet	35	5	-70	-13	43
Kodiak Salmon Seine	-19	7	-53	16	49
Kodiak Salmon Beach Seine	-6	2	2	2	0
Kodiak Salmon Setnet	-16	3	-25	0	38
Chignik Salmon Seine	10	-4	0	-10	4
Pen/Aleutian Salmon Seine	-3	2	1	0	0
Pen/Aleutian Salmon Drift	0	-5	0	-3	8
Pen/Aleutian Salmon Setnet	-24	-1	0	16	9
Bristol Bay Salmon Drift	-47	-26	0	-23	96
Bristol Bay Salmon Setnet	<u>-100</u>	<u>1</u>	<u>0</u>	<u>35</u>	<u>64</u>
	-300	-49	-194	74	469
1976					
Upper Yukon Salmon Gillnet	-22	0	15	4	3
U Yukon Salmon Fish Wheel	-28	4	12	9	3
Kuskokwim Salmon Gillnet	-49	7	7	28	7
Kotzebue Salmon Gillnet	-7	4	-26	21	8
Lower Yukon Salmon Gillnet	-91	31	0	52	8
Norton Sound Salmon Gillnet	<u>-31</u>	<u>8</u>	<u>-2</u>	<u>23</u>	<u>2</u>
	-228	54	6	137	31
1977-1978					
SE Roe Herring Seine	-1	0	1	0	0
SE Herring Gillnet	0	-1	-10	0	11
PWS Roe Herring Seine	-10	-2	0	-4	16
Cook Inlet Herring Seine	<u>-4</u>	<u>3</u>	<u>4</u>	<u>-16</u>	<u>13</u>
	-15	0	-5	-20	40
1980-1987					
Salmon Hand Troll	-67	6	-65	29	97
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
SE Tanner Crab Pot	1	0	-1	0	0
PWS Roe Herring Gillnet	-5	-1	0	4	2
PWS Her Spawn on Kelp Pound	-13	0	0	1	12
Kodiak Roe Herring Seine	-8	2	-4	0	10
Kodiak Roe Her Gillnet	0	1	-2	-5	6
Kodiak Roe Her Seine/Gill	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>-1</u>
	-96	8	-73	32	129
1988-1991					
BBay Herring Spawn on Kelp	-21	5	0	9	7
Nelson Island Her Gillnet	-11	1	0	8	2
Nunivak Island Her Gillnet	-6	0	0	6	0
Lower Yukon Herring Gillnet	-1	1	0	0	0
Norton Sd Herring Gillnet	<u>-10</u>	<u>-11</u>	<u>-2</u>	<u>15</u>	<u>8</u>
	-49	-4	-2	38	17

**TABLE 9. Net Shifts in Resident Types Due to Migration Activity by Permit Type, 1975-2004**

Permits First Issued 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	-1	-1	3	0	-1
Cook Inlet Dungeness Pot	<u>-1</u>	<u>-1</u>	<u>0</u>	<u>0</u>	<u>2</u>
	-8	-2	-5	3	12
1998					
NSE Her Spawn on Kelp Pound	-1	1	-3	-1	4
SSE Her Spawn on Kelp Pound	-10	-1	-1	0	12
SE Shrimp Beam Trawl	-2	0	1	0	1
SE Shrimp Pot	-1	0	-12	5	8
PWS Sablefish Fixed 50ft	1	-2	0	0	1
PWS Sablefish Fixed 35ft	<u>-1</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>-1</u>
	-14	-1	-15	5	25
1999-2002					
SE Urchin Dive	0	-1	4	0	-3
SE Geoduck Dive	0	0	0	-1	1
SE Cucumber Dive	-4	0	-5	3	6
Goodnews Bay Her Gillnet	<u>0</u>	<u>-5</u>	<u>0</u>	<u>5</u>	<u>0</u>
	-4	-6	-1	7	4
Net Shifts 1975-2004	-714	0	-289	276	727

\* Some permit types do not appear in this table since no migrations have occurred since initial issuance. If the table shows all zeros for a permit type, this indicates there were migrations but there was no net change.

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, 1975-2004**

Year	Alaska Rural Local				Alaska Rural Nonlocal				Alaska Urban Local				Alaska Urban Nonlocal				Nonresident				DCED CFAB
	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	39	-1	43	7	49	-6	50	1
1991	-11	-13	-13	-37	21	-2	0	19	-10	-27	-24	-61	-7	15	-1	7	9	27	-5	31	-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	2	-19	-18	-35	-3	6	-4	-1	-10	-23	-26	-59	-8	13	0	5	15	23	-7	31	4
1995	2	-49	-17	-64	19	-6	-1	12	-6	-18	-23	-47	-11	34	-8	15	-1	39	-9	29	-3
1996	-11	-40	-12	-63	9	26	0	35	1	-27	-21	-47	-22	-7	-3	-32	22	48	-14	56	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	-26	-24	-50	8	-22	-4	-18	14	-7	-31	-24	-11	25	-3	11	-16	30	-13	1	5
1999	22	-70	-20	-68	2	-4	-1	-3	16	-6	-18	-8	-4	49	-7	38	-36	31	-19	-24	0
2000	49	-70	-28	-49	-1	6	-4	1	19	-26	-30	-37	-8	20	-3	9	-59	70	-9	2	0
2001	12	-71	-31	-90	16	-9	-3	4	20	-6	-26	-12	7	44	-4	47	-64	42	-17	-39	9
2002	12	-89	-39	-116	-5	-19	-4	-28	2	20	-27	-5	-22	36	-4	10	-16	52	-13	23	29
2003	15	-44	-79	-108	-12	-2	-5	-19	22	4	-46	-20	-14	8	-14	-20	-32	34	-38	-36	21
2004	20	-41	-126	-147	-9	3	-14	-20	14	-7	-41	-34	5	13	-17	1	-39	32	-31	-38	9
Total	-613	-714	-557	-1,884	183	0	-51	132	201	-289	-638	-726	212	276	-101	387	-67	727	-269	391	84