

## 11 Changes by Management Area, Rural-Urban, Local-Nonlocal

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The initial distribution of QS and the way the QS distribution changes over time are topics of interest for those who have been concerned about the potential consequences of the new IFQ program. The previous chapter examined this topic by breaking out QS holders based upon the state where they reside. This section examines the topic using five resident types that were originally developed by Langdon to study permit holdings under Alaska's limited entry program. These resident types have since been used by the Commercial Fisheries Entry Commission to monitor distributional changes under the program.<sup>1</sup> They are defined as follows:

AK Rural Local (ARL)	A person residing in an <i>Alaska rural</i> community which is <i>local</i> to the IFQ management area for which the QS applies;
AK Rural Nonlocal (ARN)	A person residing in an <i>Alaska rural</i> community which is <i>nonlocal</i> to the IFQ management area for which the QS applies;
AK Urban Local (AUL)	A person residing in an <i>Alaska urban</i> community which is <i>local</i> to the IFQ management area for which the QS applies.
AK Urban Nonlocal (AUN)	A person residing in an <i>Alaska urban</i> community which is <i>nonlocal</i> to the IFQ management area for which the QS applies.
Nonresident	A person residing in a location outside of Alaska.

The decision rules for designating rural/urban and local/nonlocal classifications are described in Appendix I. Essentially, the rural/urban distinction is based on a population of 2,500 or more persons as of the 1990 census. 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 has a small population, but is designated as urban because it is situated on a road system and is within 20 miles of Juneau.

Table 11-1a provides the initial distribution and year-end 1997 distribution of sablefish QS by area and resident type. For each resident type within an area it also shows the initial

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<sup>1</sup>Langdon, S., *Transfer Patterns In Alaskan Limited Fisheries*, January 17, 1980 and Tingley, A. and Dinneford, E., *Changes In The Distribution Of Alaska's Limited Entry Permits 1975-1997*, September 1998.

and year-end percentage of the area's QS held by that resident type, and the change in QS held by that resident type during the year.<sup>2</sup>

Nonresidents were initially issued the majority of the QS in all sablefish areas except Southeast. At the end of 1997, Nonresident QS holdings had decreased slightly in all areas.

The percentage of sablefish QS initially issued to Alaska Urban Locals was very low or nonexistent in the West Yakutat, Western Gulf, Aleutian Islands, and Bering Sea areas, but was 45.5% in the Southeast area and 17.1% in the Central Gulf. By the end of 1997, the percentage of QS held by AULs had increased slightly in the Southeast, and Central Gulf areas, and had decreased in the West Yakutat, Western Gulf, and Bering Sea areas.

The percentage of sablefish QS initially issued to Alaska Rural Locals was relatively small, ranging from none in the Aleutian Islands and very little in the Bering Sea to 14.3% in the Southeast area. By year-end 1997, the amount of sablefish QS held by ARLs decreased slightly in the Southeast, West Yakutat, and Western Gulf areas and increased in the Central Gulf and Bering Sea.

The percentage of sablefish QS initially issued to Alaska Urban Non-locals ranged from 4.4% in Southeast to 36.1% in the Bering Sea. By the end of 1997, the amount of sablefish QS held by AUNs decreased in the Southeast, Bering Sea, and Aleutian Islands areas and increased in all other areas.

Relatively little sablefish QS was initially allocated to Alaska Rural Non-locals. Area percentages of sablefish QS ranged from 0.2% in Southeast to 2.4% in West Yakutat. By the end of 1997 the amount of sablefish QS held by ARNs had decreased in the Southeast and West Yakutat areas and had increased in other areas.

Table 11-1b provides similar information on the initial and year-end 1997 distribution of sablefish QS holders by area and resident type. The table includes data on the change and percentage change in the number of QS holders by area and resident type. The table also includes data on the percentage of QS holders in each area from each resident type and their average QS holdings both at initial issuance and at year-end 1997.

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<sup>2</sup>The reader should note that the total number of initial QS recipients in the tables in this chapter may be greater than the number of unique QS recipients for the area, as shown elsewhere in this report. This is because some persons received separate initial QS allocations in separate years from 1995 to 1997, and had different addresses and were classified into different resident-types at different points in time.

The number of QS holders declined and the average QS holdings increased in most of the area and resident type combinations. This again indicates that some consolidation of QS holdings occurred after initial allocation.

**Table 11-1a. Initial Allocation and Year-end 1997 QS Holdings by Management Area and Resident Type**

Area	Resident Type	Initial Amount of QS	1997 Amount of QS	Initial Pct. of Area QS	1997 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	AK Rural Local	9,487,259	8,552,468	14.3	13.0	-934,791	-9.9
	AK Rural Non-Loc	147,424	130,292	0.2	0.2	-17,132	-11.6
	AK Urban Local	30,214,860	32,684,853	45.5	49.6	2,469,993	8.2
	AK Urban Non-Loc	2,891,052	1,453,353	4.4	2.2	-1,437,699	-49.7
	Nonresident	23,672,590	23,117,796	35.6	35.1	-554,794	-2.3
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		66,413,185	65,938,762			-474,423	
W. Yakutat	AK Rural Local	1,015,393	770,974	1.9	1.5	-244,419	-24.1
	AK Rural Non-Loc	1,276,179	898,122	2.4	1.7	-378,057	-29.6
	AK Urban Local	7,928	0	0.0	0.0	-7,928	-100.0
	AK Urban Non-Loc	16,186,224	16,861,804	30.5	31.7	675,580	4.2
	Nonresident	34,646,059	34,585,720	65.2	65.1	-60,339	-0.2
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		53,131,783	53,116,620			-15,163	
C. Gulf	AK Rural Local	2,660,815	5,306,480	2.4	4.8	2,645,665	99.4
	AK Rural Non-Loc	1,522,248	1,999,859	1.4	1.8	477,611	31.4
	AK Urban Local	18,983,555	19,208,802	17.1	17.3	225,247	1.2
	AK Urban Non-Loc	20,239,918	22,702,341	18.2	20.5	2,462,423	12.2
	Nonresident	67,663,788	61,656,376	60.9	55.6	-6,007,412	-8.9
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		111,070,324	110,873,858			-196,466	
W. Gulf	AK Rural Local	1,301,812	339,287	3.6	0.9	-962,525	-73.9
	AK Rural Non-Loc	393,081	979,370	1.1	2.7	586,289	149.2
	AK Urban Local	20,784	10,448	0.1	0.0	-10,336	-49.7
	AK Urban Non-Loc	6,807,785	7,942,348	18.9	22.1	1,134,563	16.7
	Nonresident	27,532,027	26,663,786	76.4	74.2	-868,241	-3.2
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		36,055,489	35,935,239			-120,250	
Bering Sea	AK Rural Local	197	360,448	0.0	1.9	360,251	182869
	AK Rural Non-Loc	364,906	972,153	2.0	5.2	607,247	166.4
	AK Urban Local	700	540	0.0	0.0	-160	-22.9
	AK Urban Non-Loc	6,724,423	6,580,259	36.1	35.4	-144,164	-2.1
	Nonresident	11,514,928	10,688,998	61.9	57.5	-825,930	-7.2
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		18,605,154	18,602,398			-2,756	
Aleutians	AK Rural Non-Loc	109,993	1,695,656	0.3	5.4	1,585,663	1441.6
	AK Urban Non-Loc	7,002,632	6,704,373	22.2	21.3	-298,259	-4.3
	Nonresident	24,405,551	23,118,147	77.4	73.3	-1,287,404	-5.3
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		31,518,176	31,518,176			0	

**Table 11-1b. Initial Allocation and Year-end 1997 QS Holders by Area and Resident Type**

Area	Resident Type	Initial Number of QS Holders	1997 Number of QS Holders	Initial Pct. of Area QS Holders	1997 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	1997 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	AK Rural Local	118	79	16.5	14.3	-39	-33.1	80,401	108,259	27,858	34.6
	AK Rural Non-Loc	13	6	1.8	1.1	-7	-53.8	11,340	21,715	10,375	91.5
	AK Urban Local	278	236	39.0	42.7	-42	-15.1	108,687	138,495	29,808	27.4
	AK Urban Non-Loc	58	39	8.1	7.1	-19	-32.8	49,846	37,265	-12,581	-25.2
	Nonresident	246	193	34.5	34.9	-53	-21.5	96,230	119,781	23,551	24.5
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		713	553								
W. Yakutat	AK Rural Local	12	6	2.6	1.7	-6	-50.0	84,616	128,496	43,880	51.9
	AK Rural Non-Loc	47	30	10.4	8.6	-17	-36.2	27,153	29,937	2,784	10.3
	AK Urban Local	1	0	0.2	0.0	-1	-100.0	7,928	0	-7,928	-100.0
	AK Urban Non-Loc	190	159	41.9	45.4	-31	-16.3	85,191	106,049	20,858	24.5
	Nonresident	203	155	44.8	44.3	-48	-23.6	170,670	223,134	52,464	30.7
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		453	350								
C. Gulf	AK Rural Local	38	38	5.9	7.7	0	0.0	70,021	139,644	69,623	99.4
	AK Rural Non-Loc	35	16	5.5	3.2	-19	-54.3	43,493	124,991	81,498	187.4
	AK Urban Local	223	190	34.8	38.3	-33	-14.8	85,128	101,099	15,971	18.8
	AK Urban Non-Loc	99	77	15.4	15.5	-22	-22.2	204,444	294,836	90,392	44.2
	Nonresident	246	175	38.4	35.3	-71	-28.9	275,056	352,322	77,266	28.1
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		641	496								
W. Gulf	AK Rural Local	17	7	7.3	3.6	-10	-58.8	76,577	48,470	-28,107	-36.7
	AK Rural Non-Loc	10	11	4.3	5.6	1	10.0	39,308	89,034	49,726	126.5
	AK Urban Local	5	4	2.2	2.0	-1	-20.0	4,157	2,612	-1,545	-37.2
	AK Urban Non-Loc	75	69	32.3	35.0	-6	-8.0	90,770		24,336	26.8
	Nonresident	125	106	53.9	53.8	-19	-15.2	220,256	115,106	31,289	14.2
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		232	197								
Bering Sea	AK Rural Local	1	1	0.7	0.8	0	0.0	197	360,448	360,251	182869
	AK Rural Non-Loc	11	11	7.6	8.4	0	0.0	33,173	88,378	55,205	166.4
	AK Urban Local	2	2	1.4	1.5	0	0.0	350	270	-80	-22.9
	AK Urban Non-Loc	48	47	33.3	35.9	-1	-2.1	140,092	140,006	-86	-0.1
	Nonresident	82	70	56.9	53.4	-12	-14.6	140,426	152,700	12,274	8.7
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		144	131								

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**Table 11-1b (con't). Initial Allocation and Year-end 1997 QS Holders by Area and Resident Type**

Area	Resident Type	Initial Number of QS Holders	1997 Number of QS Holders	Initial Pct. of Area QS Holders	1997 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	1997 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Aleutians	AK Rural Non-Loc	4	7	2.9	5.6	3	75.0	27,498	242,237	214,739	780.9
	AK Urban Non-Loc	45	41	33.1	33.1	-4	-8.9	155,614	163,521	7,907	5.1
	Nonresident	87	76	64.0	61.3	-11	-12.6	280,524	304,186	23,662	8.4
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## 11.2 Net Result of QS Transfers, Migrations, and Revocations

The amount of QS held by each resident type may change for three reasons: QS can be transferred to other resident types; QS holders may simply change their place of residence (migration); or QS may be revoked. The previous section showed the extent to which QS has changed between five resident types from initial issuance through the end of 1997. This section provides data on how those net changes occurred.

Table 11-2 repeats some of the information presented in Table 11-1a. It shows the total QS initially issued to each resident type in each management area and also shows the total net change in the QS held by each resident type at the end of 1997. The other columns in Table 11-2 provide detail on the three actions that make the change: the net result of transfers, migrations, and revocations.

It is important to remember that the measures of transfers and migrations are *net* changes. For example, persons will move away from Alaska Rural Local places, which contributes to a decrease in QS held by that resident type. However, at the same time persons are moving away from ARL places, other persons are moving to them. Whether there is a positive or negative net QS change due to migration depends upon the total number of persons who migrated to and from the resident type and how much QS they hold.

Revocations will decrease the amount of QS held by a resident type and will reduce the total amount of QS in an area. RAM Division may revoke QS after initial issuance when subsequent information provides details on a person's fishing history that was not formerly available to RAM. Revocations do not occur until the QS holder has been given an opportunity to appeal the administrative decision to revoke some, or all, of their QS.

Table 11-2 indicates that both transfers and migrations contributed to substantial net QS changes between resident types. For example, Alaska Rural Locals in the West Yakutat area show a total net loss of 244,419 QS units, all of which was due to transfer activity. Alaska Rural Local persons also show a total net loss of QS in the Southeast area; however, the loss in this area was split between losses due to transfers (424,725 units) and losses due to migrations (510,066 units). In the Central Gulf, ARLs show a total net gain of QS. Most (2,538,884 of 2,645,665) of the QS gained in the Central Gulf by ARLs was through migration.

**Table 11-2. Net Result of Sablefish QS Transfers, Migrations, and Revocations From Initial Issuance Through Year-end 1997, by Management Area and Resident Type**

Area	Resident Type	Initial Amount of QS	Net Change Transfers	Pct. of Initial Issuance	Net Change Migrations	Pct. of Initial Issuance	Net Change Revoked	Pct. of Initial Issuance	Total Net Change In QS
Southeast	AK Rural Local	9,487,259	-424,725	-4.5	-510,066	-5.4	0	0.0	-934,791
	AK Rural Non-Loc	147,424	-90,018	-61.1	89,722	60.9	-16,836	-11.4	-17,132
	AK Urban Local	30,214,860	1,456,987	4.8	1,096,405	3.6	-83,399	-0.3	2,469,993
	AK Urban Non-Loc	2,891,052	-750,764	-26.0	-655,650	-22.7	-31,285	-1.1	-1,437,699
	Nonresident	23,672,590	-191,480	-0.8	-20,411	-0.1	-342,903	-1.4	-554,794
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		66,413,185							-474,423
W. Yakutat	AK Rural Local	1,015,393	-244,419	-24.1	0	0.0	0	0.0	-244,419
	AK Rural Non-Loc	1,276,179	-840,070	-65.8	462,013	36.2	0	0.0	-378,057
	AK Urban Local	7,928	-7,928	-100.0	0	0.0	0	0.0	-7,928
	AK Urban Non-Loc	16,186,224	1,569,271	9.7	-878,620	-5.4	-15,071	-0.1	675,580
	Nonresident	34,646,059	-476,854	-1.4	416,607	1.2	-92	0.0	-60,339
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		53,131,783							-15,163
C. Gulf	AK Rural Local	2,660,815	106,781	4.0	2,538,884	95.4	0	0.0	2,645,665
	AK Rural Non-Loc	1,522,248	37,551	2.5	440,060	28.9	0	0.0	477,611
	AK Urban Local	18,983,555	2,678,231	14.1	-2,398,285	-12.6	-54,699	-0.3	225,247
	AK Urban Non-Loc	20,239,918	1,093,167	5.4	1,375,163	6.8	-5,907	0.0	2,462,423
	Nonresident	67,663,788	-3,915,730	-5.8	-1,955,822	-2.9	-135,860	-0.2	-6,007,412
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		111,070,324							-196,466
W. Gulf	AK Rural Local	1,301,812	-962,521	-73.9	-4	0.0	0	0.0	-962,525
	AK Rural Non-Loc	393,081	218,079	55.5	378,247	96.2	-10,037	-2.6	586,289
	AK Urban Local	20,784	-10,340	-49.7	4	0.0	0	0.0	-10,336
	AK Urban Non-Loc	6,807,785	1,510,575	22.2	-376,012	-5.5	0	0.0	1,134,563
	Nonresident	27,532,027	-755,793	-2.7	-2,235	0.0	-110,213	-0.4	-868,241
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		36,055,489							-120,250
Bering Sea	AK Rural Local	197	360,448	182969	-197	-100.0	0	0.0	360,251
	AK Rural Non-Loc	364,906	-7,388	-2.0	614,635	168.4	0	0.0	607,247
	AK Urban Local	700	-357	-51.0	197	28.1	0	0.0	-160
	AK Urban Non-Loc	6,724,423	452,149	6.7	-596,313	-8.9	0	0.0	-144,164
	Nonresident	11,514,928	-804,852	-7.0	-18,322	-0.2	-2,756	0.0	-825,930
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		18,605,154							-2,756

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**Table 11-2 (con't). Net Result of Sablefish QS Transfers, Migrations, and Revocations From Initial Issuance Through Year-end 1997, by Management Area and Resident Type**

Area	Resident Type	Initial Amount of QS	Net Change Transfers	Pct. of Initial Issuance	Net Change Migrations	Pct. of Initial Issuance	Net Change Revoked	Pct. of Initial Issuance	Total Net Change In QS
Aleutians	AK Rural Non-Loc	109,993	1,587,314	1443.1	-1,651	-1.5	0	0.0	1,585,663
	AK Urban Non-Loc	7,002,632	-141,647	-2.0	-156,612	-2.2	0	0.0	-298,259
	Nonresident	24,405,551	-1,445,667	-5.9	158,263	0.6	0	0.0	-1,287,404
		----- 31,518,176							----- 0

### 11.3 Details of Sablefish QS Transfers: To and From Each Resident Category

The previous section provided information on the net effects of QS transfers, migrations, and revocations, which are the three actions that may change QS distribution between resident categories. This section presents more detail on QS transfers. It illustrates how the net changes occurred in QS transfers: how many transfers there were and how much QS was involved in transfers to and from each resident category.

Table 11-3a shows again how much QS was issued to each resident category in each management area. It also shows how much QS was held by those persons at the end of 1997. Again, the changes between initial issuance and year-end 1997 will be affected by transfers, migrations, and revocations.

The net result of QS transfers involves transfers to and from persons in each resident category. Table 11-3a shows how many transfers resulted in a shift of QS away from persons in each resident category. It also shows the quantity of QS associated with those “transfers from” transactions. Likewise, the table shows the number of transfers and the amount of QS that was “transferred to” persons in each resident category. Finally, the last columns of the table show the net result of these from-to transactions.

Table 11-3b indicates the number of QS holders in each resident category at initial issuance and at year-end 1997, and the number of transfers to and from persons in those categories. A person may transfer some or all of their QS. Also, persons may transfer QS to more than one other person. For these reasons the number of transfers reported in Table 11-3b is usually not the same as the number of transferors or transfer recipients.

The last two columns of Table 11-3b show the total change in QS holders between initial issuance and year-end 1997. These columns indicate the *overall* net change in persons, and *include* changes due to migrations and revocations as well as transfers. Note that the corresponding last two columns of Table 11-3a show only the net change in QS due to transfers.

These tables show that the net result of QS transfers often involved large movements of QS both to and from resident types. For example, the net loss of 424,725 QS units to Alaska Rural Locals in Southeast involved the transfer of 1,763,519 QS away from this resident type and the transfer of 1,338,794 QS units to them.

**Table 11-3a. Sablefish QS Transfers From Initial Issuance Through Year-end 1997: The Number of Transfers and the Amount of QS Transferred To and From Each Resident Type, by Management Area**

Area	Resident Type	Initial Amount of QS	Initial Pct. of Area QS	1997 Amount of QS	1997 Pct. of Area QS	Transfers From	QS From	Pct. QS From	Transfers To	QS To	Pct. QS To	Net Change Transferred QS	Pct. of Initial Issuance
Southeast	AK Rural Local	9,487,259	14.3	8,552,468	13.0	-54	-1,763,519	-10.5	45	1,338,794	8.0	-424,725	-4.5
	AK Rural Non-Loc	147,424	0.2	130,292	0.2	-8	-128,497	-0.8	2	38,479	0.2	-90,018	-61.1
	AK Urban Local	30,214,860	45.5	32,684,853	49.6	-147	-6,308,812	-37.6	180	7,765,799	46.2	1,456,987	4.8
	AK Urban Non-Loc	2,891,052	4.4	1,453,353	2.2	-37	-1,132,068	-6.7	17	381,304	2.3	-750,764	-26.0
	Nonresident	23,672,590	35.6	23,117,796	35.1	-185	-7,464,634	-44.4	187	7,273,154	43.3	-191,480	-0.8
		66,413,185		65,938,762		-431	-16,797,530		431	16,797,530			
W. Yakutat	AK Rural Local	1,015,393	1.9	770,974	1.5	-8	-334,755	-3.0	4	90,336	0.8	-244,419	-24.1
	AK Rural Non-Loc	1,276,179	2.4	898,122	1.7	-27	-1,062,019	-9.4	12	221,949	2.0	-840,070	-65.8
	AK Urban Local	7,928	0.0	0	.	-1	-7,928	-0.1	0	0	.	-7,928	-100.0
	AK Urban Non-Loc	16,186,224	30.5	16,861,804	31.7	-108	-3,750,289	-33.3	120	5,319,560	47.2	1,569,271	9.7
	Nonresident	34,646,059	65.2	34,585,720	65.1	-116	-6,118,870	-54.3	124	5,642,016	50.0	-476,854	-1.4
		53,131,783		53,116,620		-260	-11,273,861		260	11,273,861			
C. Gulf	AK Rural Local	2,660,815	2.4	5,306,480	4.8	-15	-639,941	-2.2	17	746,722	2.6	106,781	4.0
	AK Rural Non-Loc	1,522,248	1.4	1,999,859	1.8	-27	-1,405,874	-4.9	13	1,443,425	5.0	37,551	2.5
	AK Urban Local	18,983,555	17.1	19,208,802	17.3	-98	-5,374,430	-18.8	115	8,052,661	28.1	2,678,231	14.1
	AK Urban Non-Loc	20,239,918	18.2	22,702,341	20.5	-65	-4,957,937	-17.3	74	6,051,104	21.2	1,093,167	5.4
	Nonresident	67,663,788	60.9	61,656,376	55.6	-160	-	-56.7	146	12,312,666	43.0	-3,915,730	-5.8
		111,070,324		110,873,858		-365	-28,606,578		365	28,606,578			
W. Gulf	AK Rural Local	1,301,812	3.6	339,287	0.9	-9	-962,521	-12.1	0	0	.	-962,521	-73.9
	AK Rural Non-Loc	393,081	1.1	979,370	2.7	-4	-145,031	-1.8	6	363,110	4.6	218,079	55.5
	AK Urban Local	20,784	0.1	10,448	0.0	-3	-10,541	-0.1	1	201	0.0	-10,340	-49.7
	AK Urban Non-Loc	6,807,785	18.9	7,942,348	22.1	-32	-1,722,683	-21.7	42	3,233,258	40.7	1,510,575	22.2
	Nonresident	27,532,027	76.4	26,663,786	74.2	-51	-5,098,317	-64.2	50	4,342,524	54.7	-755,793	-2.7
		36,055,489		35,935,239		-99	-7,939,093		99	7,939,093			
Bering Sea	AK Rural Local	197	0.0	360,448	1.9	0	0	.	2	360,448	9.5	360,448	182969
	AK Rural Non-Loc	364,906	2.0	972,153	5.2	-1	-7,388	-0.2	0	0	.	-7,388	-2.0
	AK Urban Local	700	0.0	540	0.0	-1	-357	-0.0	0	0	.	-357	-51.0
	AK Urban Non-Loc	6,724,423	36.1	6,580,259	35.4	-9	-1,317,330	-34.7	12	1,769,479	46.6	452,149	6.7
	Nonresident	11,514,928	61.9	10,688,998	57.5	-20	-2,472,189	-65.1	17	1,667,337	43.9	-804,852	-7.0
		18,605,154		18,602,398		-31	-3,797,264		31	3,797,264			

(Continued)

**Table 11-3a (con't). Sablefish QS Transfers From Initial Issuance Through Year-end 1997: The Number of Transfers and the Amount of QS Transferred To and From Each Resident Type, by Management Area**

Area	Resident Type	Initial Amount of QS	Initial Pct. of Area QS	1997 Amount of QS	1997 Pct. of Area QS	Transfers From	QS From	Pct. QS From	Transfers To	QS To	Pct. QS To	Net Change Transferred QS	Pct. of Initial Issuance
Aleutians	AK Rural Non-Loc	109,993	0.3	1,695,656	5.4	0	0	.	5	1,587,314	17.4	1,587,314	1443.1
	AK Urban Non-Loc	7,002,632	22.2	6,704,373	21.3	-14	-977,998	-10.7	14	836,351	9.2	-141,647	-2.0
	Nonresident	24,405,551	77.4	23,118,147	73.3	-29	-8,145,512	-89.3	24	6,699,845	73.4	-1,445,667	-5.9
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		31,518,176		31,518,176		-43	-9,123,510		43	9,123,510			

**Table 11-3b. Sablefish QS Transfers From Initial Issuance Through Year-end 1997: The Number of Transferors and Transfer Recipients, By Resident Type and Management Area**

Area	Resident Type	Initial Number of QS Holders	Initial Pct. of Area QS Holders	1997 Number of QS Holders	1997 Pct. of Area QS Holders	Transfers From	Number of Transferors	Percent Transferors	Transfers To	Number of Recipients	Percent Recipients	Change in QS Holders	Percent Change in QS Holders
Southeast	AK Rural Local	118	16.5	79	14.3	-54	-50	-14.1	45	24	9.9	-39	-33.1
	AK Rural Non-Loc	13	1.8	6	1.1	-8	-8	-2.3	2	1	0.4	-7	-53.8
	AK Urban Local	278	39.0	236	42.7	-147	-131	-36.9	180	119	49.0	-42	-15.1
	AK Urban Non-Loc	58	8.1	39	7.1	-37	-31	-8.7	17	10	4.1	-19	-32.8
	Nonresident	246	34.5	193	34.9	-185	-135	-38.0	187	89	36.6	-53	-21.5
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		713		553		-431	-355		431	243			
W. Yakutat	AK Rural Local	12	2.6	6	1.7	-8	-8	-3.7	4	3	1.9	-6	-50.0
	AK Rural Non-Loc	47	10.4	30	8.6	-27	-25	-11.5	12	10	6.3	-17	-36.2
	AK Urban Local	1	0.2	0	.	-1	-1	-0.5	0	0	.	-1	-100.0
	AK Urban Non-Loc	190	41.9	159	45.4	-108	-93	-42.7	120	83	52.2	-31	-16.3
	Nonresident	203	44.8	155	44.3	-116	-91	-41.7	124	63	39.6	-48	-23.6
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		453		350		-260	-218		260	159			
C. Gulf	AK Rural Local	38	5.9	38	7.7	-15	-15	-5.1	17	14	6.3	0	0.0
	AK Rural Non-Loc	35	5.5	16	3.2	-27	-24	-8.1	13	9	4.1	-19	-54.3
	AK Urban Local	223	34.8	190	38.3	-98	-81	-27.5	115	82	36.9	-33	-14.8
	AK Urban Non-Loc	99	15.4	77	15.5	-65	-56	-19.0	74	42	18.9	-22	-22.2
	Nonresident	246	38.4	175	35.3	-160	-119	-40.3	146	75	33.8	-71	-28.9
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		641		496		-365	-295		365	222			
W. Gulf	AK Rural Local	17	7.3	7	3.6	-9	-9	-10.0	0	0	.	-10	-58.8
	AK Rural Non-Loc	10	4.3	11	5.6	-4	-4	-4.4	6	5	7.1	1	10.0
	AK Urban Local	5	2.2	4	2.0	-3	-3	-3.3	1	1	1.4	-1	-20.0
	AK Urban Non-Loc	75	32.3	69	35.0	-32	-30	-33.3	42	30	42.9	-6	-8.0
	Nonresident	125	53.9	106	53.8	-51	-44	-48.9	50	34	48.6	-19	-15.2
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		232		197		-99	-90		99	70			
Bering Sea	AK Rural Local	1	0.7	1	0.8	0	0	.	2	1	3.7	0	0.0
	AK Rural Non-Loc	11	7.6	11	8.4	-1	-1	-3.2	0	0	.	0	0.0
	AK Urban Local	2	1.4	2	1.5	-1	-1	-3.2	0	0	.	0	0.0
	AK Urban Non-Loc	48	33.3	47	35.9	-9	-9	-29.0	12	11	40.7	-1	-2.1
	Nonresident	82	56.9	70	53.4	-20	-20	-64.5	17	15	55.6	-12	-14.6
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		144		131		-31	-31		31	27			

(Continued)

**Table 11-3b (con't). Sablefish QS Transfers From Initial Issuance Through Year-end 1997: The Number of Transferors and Transfer Recipients, By Resident Type and Management Area**

Area	Resident Type	Initial	Initial	1997	1997	Number			Number			Change in QS Holders	Percent Change in QS Holders
		Number of QS Holders	Pct. of Area QS Holders	Number of QS Holders	Pct. of Area QS Holders	Transfers From	of Transferors	Percent Transferors	Transfers To	of Recipients	Percent Recipients		
Aleutians	AK Rural Non-Loc	4	2.9	7	5.6	0	0	.	5	4	11.4	3	75.0
	AK Urban Non-Loc	45	33.1	41	33.1	-14	-13	-32.5	14	12	34.3	-4	-8.9
	Nonresident	87	64.0	76	61.3	-29	-27	-67.5	24	19	54.3	-11	-12.6
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		136		124		-43	-40		43	35			

## 11.4 Intra-cohort and Cross-cohort Transfers

Tables 11-4a and 11-4b provide more data on QS transfer patterns by rural-urban and local-nonlocal resident types. QS transfers may occur between persons in the same resident category (intra-cohort) or between persons of different resident categories (cross-cohort). Cross-cohort transfers result in net changes in QS distribution between resident categories.

Table 11-4a allows one to compare intra-cohort and cross-cohort QS transfer rates from 1995 to 1997, and also over the entire three-year time period. For example, in Southeast in 1995 persons in the Alaska Rural Local category received 60.4% (325,940 QS units) of the QS transferred to them from other ARLs. This compares to 18.2% (99,269 QS units) in 1996. Over the entire time period from initial issuance through year-end 1997, 35.4% (473,792 QS units) of the QS received by ARLs came in intra-cohort transfers. The remainder of the QS received by ARLs came through cross-cohort transfers.

Table 11-4b provides similar information on resident category intra-cohort and cross-cohort transfers by management area; however, this table shows the number of transfers rather than the amount of QS transferred. The percentages of intra and cross-cohort transfer transactions can vary from the percentages of QS associated with these transfers because the amount of QS in a transaction can vary widely.

Both tables indicate that a large percentage of the transfers were across cohorts in most management areas and resident categories. The exception is nonresidents, who in all management areas received a large majority of their QS from other nonresidents.

**Table 11-4a. Intra-cohort and Cross-cohort Transfers of Sablefish QS From Initial Issuance Through Year-end 1997,  
By Management Area**

Area	QS Transferred To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total QS Transferred To Res Type:	Row Percent	
			From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres			
Southeast	ARL	1995	325,940	60.4	0	0.0	54,577	10.1	0	0.0	159,035	29.5	539,552	100.0	
		1996	99,269	18.2	3,671	0.7	17,005	3.1	65,356	12.0	359,993	66.0	545,294	100.0	
		1997	48,583	19.1	0	0.0	133,080	52.4	0	0.0	72,285	28.5	253,948	100.0	
		All Years	473,792	35.4	3,671	0.3	204,662	15.3	65,356	4.9	591,313	44.2	1,338,794	100.0	
	ARN	1996	0	0.0	0	0.0	0	0.0	0	0.0	38,479	100.0	38,479	100.0	
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	38,479	100.0	38,479	100.0	
	AUL	1995	381,929	13.7	82,862	3.0	1,243,653	44.6	268,571	9.6	811,964	29.1	2,788,979	100.0	
		1996	326,876	10.6	0	0.0	1,819,001	59.2	130,553	4.2	797,896	26.0	3,074,326	100.0	
		1997	137,191	7.2	9,743	0.5	1,297,247	68.2	0	0.0	458,313	24.1	1,902,494	100.0	
		All Years	845,996	10.9	92,605	1.2	4,359,901	56.1	399,124	5.1	2,068,173	26.6	7,765,799	100.0	
	AUN	1995	0	0.0	0	0.0	4,698	1.4	310,024	94.4	13,582	4.1	328,304	100.0	
		1996	0	0.0	0	0.0	0	0.0	21,344	76.1	6,703	23.9	28,047	100.0	
		1997	0	0.0	0	0.0	0	0.0	24,895	99.8	58	0.2	24,953	100.0	
		All Years	0	0.0	0	0.0	4,698	1.2	356,263	93.4	20,343	5.3	381,304	100.0	
	N	1995	176,616	7.9	3,851	0.2	155,164	6.9	6,938	0.3	1,898,416	84.7	2,240,985	100.0	
		1996	184,049	8.8	0	0.0	369,045	17.6	220,096	10.5	1,325,061	63.2	2,098,251	100.0	
		1997	83,066	2.8	28,370	1.0	1,215,342	41.4	84,291	2.9	1,522,849	51.9	2,933,918	100.0	
		All Years	443,731	6.1	32,221	0.4	1,739,551	23.9	311,325	4.3	4,746,326	65.3	7,273,154	100.0	
	W. Yakutat	ARL	1995	14,757	69.2	0	0.0	0	0.0	0	0.0	6,579	30.8	21,336	100.0
			1996	0	0.0	0	0.0	0	0.0	16,749	100.0	0	0.0	16,749	100.0
			1997	0	0.0	0	0.0	0	0.0	0	0.0	52,251	100.0	52,251	100.0
All Years			14,757	16.3	0	0.0	0	0.0	16,749	18.5	58,830	65.1	90,336	100.0	
ARN		1995	0	0.0	18,037	23.0	0	0.0	11,871	15.1	48,461	61.8	78,369	100.0	
		1996	0	0.0	45,175	88.9	0	0.0	5,633	11.1	0	0.0	50,808	100.0	
		1997	52,251	56.3	21,024	22.7	0	0.0	0	0.0	19,497	21.0	92,772	100.0	
		All Years	52,251	23.5	84,236	38.0	0	0.0	17,504	7.9	67,958	30.6	221,949	100.0	
AUN		1995	0	0.0	126,372	7.8	0	0.0	1,036,451	63.7	465,227	28.6	1,628,050	100.0	
		1996	104,332	4.5	189,804	8.1	0	0.0	878,160	37.6	1,163,617	49.8	2,335,913	100.0	
		1997	0	0.0	123,483	9.1	0	0.0	854,612	63.0	377,502	27.8	1,355,597	100.0	
		All Years	104,332	2.0	439,659	8.3	0	0.0	2,769,223	52.1	2,006,346	37.7	5,319,560	100.0	

(Continued)

**Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Sablefish QS From Initial Issuance Through Year-end 1997  
By Management Area**

Area	QS Transferred To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total QS Transferred To Res Type:	Row Percent	
			From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres			
W. Yakutat	N	1995	122,220	7.9	334,226	21.6	0	0.0	163,709	10.6	930,560	60.0	1,550,715	100.0	
		1996	0	0.0	117,367	8.1	7,928	0.5	256,694	17.7	1,065,951	73.6	1,447,940	100.0	
		1997	41,195	1.6	86,531	3.3	0	0.0	526,410	19.9	1,989,225	75.3	2,643,361	100.0	
		All Years	163,415	2.9	538,124	9.5	7,928	0.1	946,813	16.8	3,985,736	70.6	5,642,016	100.0	
C. Gulf	ARL	1995	707	0.2	111,818	36.1	71,809	23.2	20,182	6.5	105,356	34.0	309,872	100.0	
		1996	0	0.0	0	0.0	28,402	100.0	0	0.0	0	0.0	28,402	100.0	
		1997	17,917	4.4	0	0.0	321,494	78.7	69,037	16.9	0	0.0	408,448	100.0	
		All Years	18,624	2.5	111,818	15.0	421,705	56.5	89,219	11.9	105,356	14.1	746,722	100.0	
	ARN	1995	0	0.0	4,209	1.5	114,751	41.4	0	0.0	158,324	57.1	277,284	100.0	
		1996	0	0.0	0	0.0	0	0.0	0	0.0	1,934	100.0	1,934	100.0	
		1997	0	0.0	43,548	3.7	134,229	11.5	0	0.0	986,430	84.7	1,164,207	100.0	
		All Years	0	0.0	47,757	3.3	248,980	17.2	0	0.0	1,146,688	79.4	1,443,425	100.0	
	AUL	1995	2,278	0.1	386,415	13.9	1,468,048	52.9	82,518	3.0	836,355	30.1	2,775,614	100.0	
		1996	1,235	0.0	214,010	7.1	706,816	23.6	1,016,340	33.9	1,062,703	35.4	3,001,104	100.0	
		1997	424,355	18.6	20,559	0.9	297,024	13.1	596,208	26.2	937,797	41.2	2,275,943	100.0	
		All Years	427,868	5.3	620,984	7.7	2,471,888	30.7	1,695,066	21.0	2,836,855	35.2	8,052,661	100.0	
	AUN	1995	0	0.0	256,767	26.2	0	0.0	365,912	37.3	359,083	36.6	981,762	100.0	
		1996	0	0.0	18,952	0.6	107,902	3.5	1,418,808	46.0	1,538,840	49.9	3,084,502	100.0	
		1997	175,982	8.9	73,004	3.7	149,674	7.5	222,999	11.2	1,363,181	68.7	1,984,840	100.0	
		All Years	175,982	2.9	348,723	5.8	257,576	4.3	2,007,719	33.2	3,261,104	53.9	6,051,104	100.0	
	N	1995	1,121	0.0	128,740	3.7	558,222	16.0	289,674	8.3	2,511,187	72.0	3,488,944	100.0	
		1996	16,346	0.5	58,420	1.8	46,799	1.4	496,856	15.1	2,667,215	81.2	3,285,636	100.0	
		1997	0	0.0	89,432	1.6	1,369,260	24.7	379,403	6.9	3,699,991	66.8	5,538,086	100.0	
		All Years	17,467	0.1	276,592	2.2	1,974,281	16.0	1,165,933	9.5	8,878,393	72.1	12,312,666	100.0	
	W. Gulf	ARN	1995	0	0.0	0	0.0	9,760	100.0	0	0.0	0	0.0	9,760	100.0
			1996	0	0.0	0	0.0	0	0.0	88,493	100.0	0	0.0	88,493	100.0
			1997	0	0.0	18,652	7.0	0	0.0	120,662	45.6	125,543	47.4	264,857	100.0
			All Years	0	0.0	18,652	5.1	9,760	2.7	209,155	57.6	125,543	34.6	363,110	100.0
AUL		1996	0	0.0	0	0.0	0	0.0	201	100.0	0	0.0	201	100.0	
		All Years	0	0.0	0	0.0	0	0.0	201	100.0	0	0.0	201	100.0	

(Continued)

**Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Sablefish QS From Initial Issuance Through Year-end 1997, by Management Area**

Area	QS Transferred To:	Year	From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres	Total QS Transferred To Res Type:	Row Percent	
W.Gulf	AUN	1995	139,913	13.6	9,760	0.9	0	0.0	513,199	49.8	367,779	35.7	1,030,651	100.0	
		1996	293,526	24.9	0	0.0	201	0.0	143,599	12.2	741,983	62.9	1,179,309	100.0	
		1997	21,810	2.1	0	0.0	0	0.0	353,872	34.6	647,616	63.3	1,023,298	100.0	
		All Years	455,249	14.1	9,760	0.3	201	0.0	1,010,670	31.3	1,757,378	54.4	3,233,258	100.0	
	N	1995	178,377	20.5	27,897	3.2	0	0.0	110,051	12.7	551,763	63.6	868,088	100.0	
		1996	328,895	14.8	0	0.0	0	0.0	42,053	1.9	1,854,598	83.3	2,225,546	100.0	
		1997	0	0.0	88,722	7.1	580	0.0	350,553	28.1	809,035	64.8	1,248,890	100.0	
		All Years	507,272	11.7	116,619	2.7	580	0.0	502,657	11.6	3,215,396	74.0	4,342,524	100.0	
	Bering Sea	ARL	1997	0	0.0	0	0.0	0	0.0	0	0.0	360,448	100.0	360,448	100.0
			All Years	0	0.0	0	0.0	0	0.0	0	0.0	360,448	100.0	360,448	100.0
AUN		1995	0	0.0	0	0.0	0	0.0	679,756	98.8	8,273	1.2	688,029	100.0	
		1996	0	0.0	0	0.0	0	0.0	255,468	30.6	580,389	69.4	835,857	100.0	
		1997	0	0.0	0	0.0	0	0.0	2,251	0.9	243,342	99.1	245,593	100.0	
		All Years	0	0.0	0	0.0	0	0.0	937,475	53.0	832,004	47.0	1,769,479	100.0	
N		1995	0	0.0	0	0.0	0	0.0	11,880	3.8	303,618	96.2	315,498	100.0	
		1996	0	0.0	7,388	1.1	0	0.0	367,975	53.3	315,523	45.7	690,886	100.0	
		1997	0	0.0	0	0.0	357	0.1	0	0.0	660,596	99.9	660,953	100.0	
		All Years	0	0.0	7,388	0.4	357	0.0	379,855	22.8	1,279,737	76.8	1,667,337	100.0	
Aleutians	ARN	1995	0	0.0	0	0.0	0	0.0	0	0.0	141,187	100.0	141,187	100.0	
		1996	0	0.0	0	0.0	0	0.0	0	0.0	338,045	100.0	338,045	100.0	
		1997	0	0.0	0	0.0	0	0.0	428,834	38.7	679,248	61.3	1,108,082	100.0	
		All Years	0	0.0	0	0.0	0	0.0	428,834	27.0	1,158,480	73.0	1,587,314	100.0	
	AUN	1995	0	0.0	0	0.0	0	0.0	56,394	49.0	58,627	51.0	115,021	100.0	
		1996	0	0.0	0	0.0	0	0.0	14,886	2.1	692,341	97.9	707,227	100.0	
		1997	0	0.0	0	0.0	0	0.0	14,103	100.0	0	0.0	14,103	100.0	
		All Years	0	0.0	0	0.0	0	0.0	85,383	10.2	750,968	89.8	836,351	100.0	
	N	1995	0	0.0	0	0.0	0	0.0	373,577	19.8	1,513,839	80.2	1,887,416	100.0	
		1996	0	0.0	0	0.0	0	0.0	67,110	6.6	950,328	93.4	1,017,438	100.0	
1997		0	0.0	0	0.0	0	0.0	23,094	0.6	3,771,897	99.4	3,794,991	100.0		
All Years		0	0.0	0	0.0	0	0.0	463,781	6.9	6,236,064	93.1	6,699,845	100.0		

**Table 11-4b. Intra-cohort and Cross-cohort Transfers From Initial Issuance Through Year-end 1997, by Management Area**

Area	Transfers To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total Transfers To Res Type:	Row Percent	
			From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres			
Southeast	ARL	1995	10	58.8	0	0.0	6	35.3	0	0.0	1	5.9	17	100.0	
		1996	7	29.2	1	4.2	1	4.2	4	16.7	11	45.8	24	100.0	
		1997	2	50.0	0	0.0	1	25.0	0	0.0	1	25.0	4	100.0	
		All Years	19	42.2	1	2.2	8	17.8	4	8.9	13	28.9	45	100.0	
	ARN	1996	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0	
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0	
	AUL	1995	10	15.2	2	3.0	36	54.5	3	4.5	15	22.7	66	100.0	
		1996	6	10.3	0	0.0	35	60.3	5	8.6	12	20.7	58	100.0	
		1997	6	10.7	1	1.8	35	62.5	0	0.0	14	25.0	56	100.0	
		All Years	22	12.2	3	1.7	106	58.9	8	4.4	41	22.8	180	100.0	
	AUN	1995	0	0.0	0	0.0	2	18.2	6	54.5	3	27.3	11	100.0	
		1996	0	0.0	0	0.0	0	0.0	1	50.0	1	50.0	2	100.0	
		1997	0	0.0	0	0.0	0	0.0	3	75.0	1	25.0	4	100.0	
		All Years	0	0.0	0	0.0	2	11.8	10	58.8	5	29.4	17	100.0	
	N	1995	7	12.5	1	1.8	8	14.3	1	1.8	39	69.6	56	100.0	
		1996	5	9.3	0	0.0	10	18.5	3	5.6	36	66.7	54	100.0	
		1997	1	1.3	3	3.9	13	16.9	11	14.3	49	63.6	77	100.0	
		All Years	13	7.0	4	2.1	31	16.6	15	8.0	124	66.3	187	100.0	
	W. Yakutat	ARL	1995	1	50.0	0	0.0	0	0.0	0	0.0	1	50.0	2	100.0
			1996	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
1997			0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0	
All Years			1	25.0	0	0.0	0	0.0	1	25.0	2	50.0	4	100.0	
ARN		1995	0	0.0	2	33.3	0	0.0	2	33.3	2	33.3	6	100.0	
		1996	0	0.0	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0	
		1997	1	25.0	1	25.0	0	0.0	0	0.0	2	50.0	4	100.0	
		All Years	1	8.3	4	33.3	0	0.0	3	25.0	4	33.3	12	100.0	
AUN		1995	0	0.0	2	6.3	0	0.0	23	71.9	7	21.9	32	100.0	
		1996	3	7.0	7	16.3	0	0.0	22	51.2	11	25.6	43	100.0	
		1997	0	0.0	3	6.7	0	0.0	30	66.7	12	26.7	45	100.0	
		All Years	3	2.5	12	10.0	0	0.0	75	62.5	30	25.0	120	100.0	

(Continued)

**Table 11-4b (con't). Intra-cohort and Cross-cohort Transfers From Initial Issuance Through Year-end 1997, by Management Area**

Area	Transfers To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total Transfers To Res Type:	Row Percent	
			Pct. From ARLs	Pct. From ARNs	Pct. From AULs	Pct. From AUNs	Pct. From Nonres								
W. Yakutat	N	1995	1	3.2	2	6.5	0	0.0	3	9.7	25	80.6	31	100.0	
		1996	0	0.0	5	12.5	1	2.5	12	30.0	22	55.0	40	100.0	
		1997	2	3.8	4	7.5	0	0.0	14	26.4	33	62.3	53	100.0	
		All Years	3	2.4	11	8.9	1	0.8	29	23.4	80	64.5	124	100.0	
C. Gulf	ARL	1995	1	10.0	2	20.0	3	30.0	1	10.0	3	30.0	10	100.0	
		1996	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0	
		1997	2	33.3	0	0.0	3	50.0	1	16.7	0	0.0	6	100.0	
		All Years	3	17.6	2	11.8	7	41.2	2	11.8	3	17.6	17	100.0	
	ARN	1995	0	0.0	1	25.0	1	25.0	0	0.0	2	50.0	4	100.0	
		1996	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0	
		1997	0	0.0	1	12.5	4	50.0	0	0.0	3	37.5	8	100.0	
		All Years	0	0.0	2	15.4	5	38.5	0	0.0	6	46.2	13	100.0	
	AUL	1995	1	2.8	2	5.6	21	58.3	5	13.9	7	19.4	36	100.0	
		1996	1	2.4	4	9.8	20	48.8	8	19.5	8	19.5	41	100.0	
		1997	5	13.2	1	2.6	21	55.3	5	13.2	6	15.8	38	100.0	
		All Years	7	6.1	7	6.1	62	53.9	18	15.7	21	18.3	115	100.0	
	AUN	1995	0	0.0	2	11.8	0	0.0	9	52.9	6	35.3	17	100.0	
		1996	0	0.0	3	11.5	3	11.5	10	38.5	10	38.5	26	100.0	
		1997	3	9.7	3	9.7	2	6.5	8	25.8	15	48.4	31	100.0	
		All Years	3	4.1	8	10.8	5	6.8	27	36.5	31	41.9	74	100.0	
	N	1995	1	2.6	1	2.6	5	13.2	4	10.5	27	71.1	38	100.0	
		1996	1	2.2	4	8.9	4	8.9	7	15.6	29	64.4	45	100.0	
		1997	0	0.0	3	4.8	10	15.9	7	11.1	43	68.3	63	100.0	
		All Years	2	1.4	8	5.5	19	13.0	18	12.3	99	67.8	146	100.0	
	W. Gulf	ARN	1995	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0
			1996	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
			1997	0	0.0	1	25.0	0	0.0	1	25.0	2	50.0	4	100.0
			All Years	0	0.0	1	16.7	1	16.7	2	33.3	2	33.3	6	100.0
AUL		1996	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0	
		All Years	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0	

(Continued)

**Table 11-4b (con't). Intra-cohort and Cross-cohort Transfers From Initial Issuance Through Year-end 1997, by Management Area**

Area	Transfers To:	Year	From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres	Total Transfers To Res Type:	Row Percent	
W. Gulf	AUN	1995	2	14.3	1	7.1	0	0.0	6	42.9	5	35.7	14	100.0	
		1996	1	11.1	0	0.0	1	11.1	4	44.4	3	33.3	9	100.0	
		1997	1	5.3	0	0.0	0	0.0	10	52.6	8	42.1	19	100.0	
		All Years	4	9.5	1	2.4	1	2.4	20	47.6	16	38.1	42	100.0	
	N	1995	1	8.3	1	8.3	0	0.0	2	16.7	8	66.7	12	100.0	
		1996	4	33.3	0	0.0	0	0.0	1	8.3	7	58.3	12	100.0	
		1997	0	0.0	1	3.8	1	3.8	6	23.1	18	69.2	26	100.0	
		All Years	5	10.0	2	4.0	1	2.0	9	18.0	33	66.0	50	100.0	
	Bering Sea	ARL	1997	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0
			All Years	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0
AUN		1995	0	0.0	0	0.0	0	0.0	5	83.3	1	16.7	6	100.0	
		1996	0	0.0	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0	
		1997	0	0.0	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0	
		All Years	0	0.0	0	0.0	0	0.0	7	58.3	5	41.7	12	100.0	
N		1995	0	0.0	0	0.0	0	0.0	1	14.3	6	85.7	7	100.0	
		1996	0	0.0	1	20.0	0	0.0	1	20.0	3	60.0	5	100.0	
		1997	0	0.0	0	0.0	1	20.0	0	0.0	4	80.0	5	100.0	
		All Years	0	0.0	1	5.9	1	5.9	2	11.8	13	76.5	17	100.0	
Aleutians	ARN	1995	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0	
		1996	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0	
		1997	0	0.0	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0	
		All Years	0	0.0	0	0.0	0	0.0	1	20.0	4	80.0	5	100.0	
	AUN	1995	0	0.0	0	0.0	0	0.0	5	71.4	2	28.6	7	100.0	
		1996	0	0.0	0	0.0	0	0.0	2	40.0	3	60.0	5	100.0	
		1997	0	0.0	0	0.0	0	0.0	2	100.0	0	0.0	2	100.0	
		All Years	0	0.0	0	0.0	0	0.0	9	64.3	5	35.7	14	100.0	
	N	1995	0	0.0	0	0.0	0	0.0	2	28.6	5	71.4	7	100.0	
		1996	0	0.0	0	0.0	0	0.0	1	25.0	3	75.0	4	100.0	
		1997	0	0.0	0	0.0	0	0.0	1	7.7	12	92.3	13	100.0	
		All Years	0	0.0	0	0.0	0	0.0	4	16.7	20	83.3	24	100.0	