

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

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The initial distribution of QS and changes in the QS distribution 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 permit distribution changes under the State's limited entry program.<sup>1</sup> The five resident types 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>not local</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>not local</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 II. 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 it 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 the year-end 1997 distribution of halibut QS by area and resident type. For each resident type within an area it also shows the initial and year-end percentage of the area's QS held by that resident type, and the change in QS held by that resident type over the period.<sup>2</sup>

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

<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 allocations over the 1995 to 1997 period, and had different addresses and were classified into different resident categories at each point in time.

Alaska Rural Locals received QS in seven of the eight areas (they received none in Area 4D). Their largest percentage shares of the initial allocations came in Areas 4E (59.3%), 4C (34.0%), and 2C (30.1%). They received lower percentages in the other areas, ranging from 0.3% in Area 4A to 10.3% in Area 3B. By the end of 1997 their holdings had decreased in Areas 2C, 3B, 4A, and 4E, and had risen in Areas 3A and 4C. Their holdings remained unchanged in Area 4B and 4D (where they received none).

Alaska Urban Locals received QS only in Areas 2C, 3A, and 4A.<sup>3</sup> In Areas 2C and 3A they received more QS than any other resident category, while in Area 4A they received a relatively small amount. Their holdings increased in Areas 2C and 4A, and decreased in Area 3A. They acquired a small amount of QS in Area 4B.

Alaska Rural Nonlocals received QS in every area. Their allocations were generally relatively small, ranging from less than 1% in Areas 2C, 4C, and 4D, up to 6.2% in Area 4A. Their holdings decreased in Areas 2C, 3A, 3B, and 4A and increased in Areas 4B, 4C, and 4D.

Alaska Urban Nonlocals received QS in every area. In Areas 3B, 4A, 4B, 4C, and 4E they received over 20% of the QS. Their holdings increased in Areas 3A, 3B, 4A, 4D, and 4E, and decreased in all other areas. Area 2C had a 63.1% drop in AUN quota share holdings over the three-year period.

Nonresidents received QS in every area. They received over half of the QS in three areas (4A, 4B, and 4D), and over 35% in six areas. By the end of 1997, QS held by nonresidents declined in Areas 2C, 3A, 4A, 4C, and 4D and rose slightly in 3B and 4B.

Table 11-1b provides similar information on the initial and year-end 1997 distribution of 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 the end of 1997.

The number of QS holders declined and the average QS holdings increased in most of the non-CDQ areas and resident types. This again indicates that some consolidation of QS holdings has occurred from initial allocation through 1997.

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<sup>3</sup> There are no urban communities local to Areas 3B, 4C, and 4D; therefore, the numbers of urban local QS holders is zero. Area 4E does have an urban community (Nome), but there were no initial QS recipients from there.

**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
2C	AK Rural Local	17,932,755	15,875,831	30.1	26.7	-2,056,924	-11.5
	AK Rural Non-Loc	362,838	88,131	0.6	0.1	-274,707	-75.7
	AK Urban Local	29,974,773	34,210,178	50.3	57.4	4,235,405	14.1
	AK Urban Non-Loc	993,695	366,902	1.7	0.6	-626,793	-63.1
	Nonresident	10,293,932	9,008,818	17.3	15.1	-1,285,114	-12.5
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		59,557,993	59,549,860			-8,133	
3A	AK Rural Local	14,928,786	16,429,491	8.1	8.9	1,500,705	10.1
	AK Rural Non-Loc	4,206,395	4,065,005	2.3	2.2	-141,390	-3.4
	AK Urban Local	79,830,647	73,847,174	43.1	40.0	-5,983,473	-7.5
	AK Urban Non-Loc	19,507,831	26,562,108	10.5	14.4	7,054,277	36.2
	Nonresident	66,577,488	63,836,877	36.0	34.6	-2,740,611	-4.1
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		185,051,147	184,740,655			-310,492	
3B	AK Rural Local	5,563,706	4,740,732	10.3	8.8	-822,974	-14.8
	AK Rural Non-Loc	2,075,980	1,604,380	3.8	3.0	-471,600	-22.7
	AK Urban Non-Loc	20,372,573	20,760,599	37.7	38.5	388,026	1.9
	Nonresident	26,062,792	26,806,838	48.2	49.7	744,046	2.9
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		54,075,051	53,912,549			-162,502	
4A	AK Rural Local	50,264	0	0.3	0.0	-50,264	-100.0
	AK Rural Non-Loc	907,184	327,721	6.2	2.3	-579,463	-63.9
	AK Urban Local	364,612	594,665	2.5	4.1	230,053	63.1
	AK Urban Non-Loc	5,743,827	6,207,771	39.5	42.8	463,944	8.1
	Nonresident	7,469,115	7,372,808	51.4	50.8	-96,307	-1.3
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		14,535,002	14,502,965			-32,037	
4B	AK Rural Local	160,045	160,045	1.7	1.7	0	0.0
	AK Rural Non-Loc	207,969	578,402	2.2	6.2	370,433	178.1
	AK Urban Local	0	340	0.0	0.0	340	.
	AK Urban Non-Loc	2,874,719	2,316,456	30.9	24.9	-558,263	-19.4
	Nonresident	6,050,658	6,229,531	65.1	67.1	178,873	3.0
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		9,293,391	9,284,774			-8,617	
4C	AK Rural Local	1,350,336	1,738,035	34.0	43.8	387,699	28.7
	AK Rural Non-Loc	23,170	63,377	0.6	1.6	40,207	173.5
	AK Urban Non-Loc	826,097	796,739	20.8	20.1	-29,358	-3.6
	Nonresident	1,769,583	1,371,035	44.6	34.5	-398,548	-22.5
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		3,969,186	3,969,186			0	
4D	AK Rural Non-Loc	29,451	274,126	0.6	5.7	244,675	830.8
	AK Urban Non-Loc	592,232	729,355	12.4	15.2	137,123	23.2
	Nonresident	4,168,808	3,787,010	87.0	79.1	-381,798	-9.2
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		4,790,491	4,790,491			0	
4E	AK Rural Local	82,993	82,848	59.3	59.2	-145	-0.2
	AK Rural Non-Loc	4,937	4,937	3.5	3.5	0	0.0
	AK Urban Non-Loc	39,462	39,607	28.2	28.3	145	0.4
	Nonresident	12,607	12,607	9.0	9.0	0	0.0
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		139,999	139,999			0	

**Table 11-1b. Initial Allocation and Year-end 1997 QS Holders by Management 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
2C	AK Rural Local	722	534	30.2	30.7	-188	-26.0	24,838	29,730	4,892	19.7
	AK Rural Non-Loc	143	54	6.0	3.1	-89	-62.2	2,537	1,632	-905	-35.7
	AK Urban Local	986	817	41.3	46.9	-169	-17.1	30,400	41,873	11,473	37.7
	AK Urban Non-Loc	120	63	5.0	3.6	-57	-47.5	8,281	5,824	-2,457	-29.7
	Nonresident	417	274	17.5	15.7	-143	-34.3	24,686	32,879	8,193	33.2
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		2,388	1,742								
3A	AK Rural Local	482	371	15.7	15.8	-111	-23.0	30,973	44,284	13,311	43.0
	AK Rural Non-Loc	239	141	7.8	6.0	-98	-41.0	17,600	28,830	11,230	63.8
	AK Urban Local	1,377	1,057	44.8	45.1	-320	-23.2	57,974	69,865	11,891	20.5
	AK Urban Non-Loc	338	317	11.0	13.5	-21	-6.2	57,715	83,792	26,077	45.2
	Nonresident	635	457	20.7	19.5	-178	-28.0	104,846	139,687	34,841	33.2
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		3,071	2,343								
3B	AK Rural Local	127	92	12.0	12.9	-35	-27.6	43,809	51,530	7,721	17.6
	AK Rural Non-Loc	195	86	18.4	12.0	-109	-55.9	10,646	18,656	8,010	75.2
	AK Urban Non-Loc	458	340	43.3	47.6	-118	-25.8	44,482	61,061	16,579	37.3
	Nonresident	277	197	26.2	27.6	-80	-28.9	94,090	136,075	41,985	44.6
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		1,057	715								
4A	AK Rural Local	6	0	1.1	0.0	-6	-100.0	8,377	0	-8,377	-100.0
	AK Rural Non-Loc	170	98	32.0	25.7	-72	-42.4	5,336	3,344	-1,992	-37.3
	AK Urban Local	19	23	3.6	6.0	4	21.1	19,190	25,855	6,665	34.7
	AK Urban Non-Loc	181	147	34.1	38.5	-34	-18.8	31,734	42,230	10,496	33.1
	Nonresident	155	114	29.2	29.8	-41	-26.5	48,188	64,674	16,486	34.2
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		531	382								
4B	AK Rural Local	11	11	7.2	8.3	0	0.0	14,550	14,550	0	0.0
	AK Rural Non-Loc	5	6	3.3	4.5	1	20.0	41,594	96,400	54,806	131.8
	AK Urban Local	0	1	0.0	0.8	1	.	0	340	340	.
	AK Urban Non-Loc	64	50	41.8	37.9	-14	-21.9	44,917	46,329	1,412	3.1
	Nonresident	73	64	47.7	48.5	-9	-12.3	82,886	97,336	14,450	17.4
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		153	132								

(Continued)

**Table 11-1b (con't). Initial Allocation and Year-end 1997 QS Holders by Management 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
4C	AK Rural Local	31	35	38.8	45.5	4	12.9	43,559	49,658	6,099	14.0
	AK Rural Non-Loc	1	2	1.3	2.6	1	100.0	23,170	31,689	8,519	36.8
	AK Urban Non-Loc	16	13	20.0	16.9	-3	-18.8	51,631	61,288	9,657	18.7
	Nonresident	32	27	40.0	35.1	-5	-15.6	55,299	50,779	-4,520	-8.2
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		80	77								
4D	AK Rural Non-Loc	2	5	2.9	8.2	3	150.0	14,726	54,825	40,099	272.3
	AK Urban Non-Loc	20	18	29.4	29.5	-2	-10.0	29,612	40,520	10,908	36.8
	Nonresident	46	38	67.6	62.3	-8	-17.4	90,626	99,658	9,032	10.0
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		68	61								
4E	AK Rural Local	74	73	71.2	70.2	-1	-1.4	1,122	1,135	13	1.2
	AK Rural Non-Loc	5	5	4.8	4.8	0	0.0	987	987	0	0.0
	AK Urban Non-Loc	19	20	18.3	19.2	1	5.3	2,077	1,980	-97	-4.7
	Nonresident	6	6	5.8	5.8	0	0.0	2,101	2,101	0	0.0
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		104	104								

## 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 move to a place with a different resident-type classification (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 components of that 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 may move away from Alaska Rural Local places, and contribute 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 place and how much QS they hold.

Quota share revocations will decrease the amount of QS held by a resident type. NMFS-RAM may revoke QS after initial issuance when subsequent information provides details on a person's fishing history that was not formerly available to NMFS-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 were important causes of changes in QS holdings among the resident types over the time period. For example, Alaska Urban Nonlocals show a net gain of 7,054,277 QS units in Area 3A. Of that amount, 7,032,723 QS units were gained due to transfer activity, and only 32,455 were gained through migrations. Another 10,901 units were lost due to revocations. However, in Area 3B, AUN persons gained a total of 1,312,271 QS units by transfers, yet show a net loss of 770,770 QS units through migration, and show another loss of 153,475 QS units through revocations, for a total net gain of 388,026 QS units over the time period.

**Table 11-2. Net Result of Halibut 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
2C	AK Rural Local	17,932,755	-1,731,776	-9.7	-325,148	-1.8	0	0.0	-2,056,924
	AK Rural Non-Loc	362,838	-293,646	-80.9	18,939	5.2	0	0.0	-274,707
	AK Urban Local	29,974,773	4,342,045	14.5	-106,091	-0.4	-549	0.0	4,235,405
	AK Urban Non-Loc	993,695	-454,785	-45.8	-169,870	-17.1	-2,138	-0.2	-626,793
	Nonresident	10,293,932	-1,861,838	-18.1	582,170	5.7	-5,446	-0.1	-1,285,114
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		59,557,993							-8,133
3A	AK Rural Local	14,928,786	909,151	6.1	591,554	4.0	0	0.0	1,500,705
	AK Rural Non-Loc	4,206,395	-99,765	-2.4	-41,625	-1.0	0	0.0	-141,390
	AK Urban Local	79,830,647	-5,349,521	-6.7	-437,076	-0.5	-196,876	-0.2	-5,983,473
	AK Urban Non-Loc	19,507,831	7,032,723	36.1	32,455	0.2	-10,901	-0.1	7,054,277
	Nonresident	66,577,488	-2,492,588	-3.7	-145,308	-0.2	-102,715	-0.2	-2,740,611
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		185,051,147							-310,492
3B	AK Rural Local	5,563,706	-691,602	-12.4	-131,372	-2.4	0	0.0	-822,974
	AK Rural Non-Loc	2,075,980	-582,942	-28.1	111,342	5.4	0	0.0	-471,600
	AK Urban Non-Loc	20,372,573	1,312,271	6.4	-770,770	-3.8	-153,475	-0.8	388,026
	Nonresident	26,062,792	-37,727	-0.1	790,800	3.0	-9,027	0.0	744,046
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		54,075,051							-162,502
4A	AK Rural Local	50,264	13,939	27.7	-64,203	-127.7	0	0.0	-50,264
	AK Rural Non-Loc	907,184	-617,682	-68.1	38,219	4.2	0	0.0	-579,463
	AK Urban Local	364,612	159,083	43.6	70,970	19.5	0	0.0	230,053
	AK Urban Non-Loc	5,743,827	691,158	12.0	-227,214	-4.0	0	0.0	463,944
	Nonresident	7,469,115	-246,498	-3.3	182,228	2.4	-32,037	-0.4	-96,307
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		14,535,002							-32,037

(Continued)

**Table 11-2 (con't). Net Result of Halibut 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
4B	AK Rural Local	160,045	0	0.0	0	0.0	0	0.0	0
	AK Rural Non-Loc	207,969	126,732	60.9	243,701	117.2	0	0.0	370,433
	AK Urban Local	0	0	.	340	.	0	.	340
	AK Urban Non-Loc	2,874,719	-323,469	-11.3	-234,794	-8.2	0	0.0	-558,263
	Nonresident	6,050,658	196,737	3.3	-9,247	-0.2	-8,617	-0.1	178,873
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		9,293,391							-8,617
4C	AK Rural Local	1,350,336	387,699	28.7	0	0.0	0	0.0	387,699
	AK Rural Non-Loc	23,170	0	0.0	40,207	173.5	0	0.0	40,207
	AK Urban Non-Loc	826,097	-18,876	-2.3	-10,482	-1.3	0	0.0	-29,358
	Nonresident	1,769,583	-368,823	-20.8	-29,725	-1.7	0	0.0	-398,548
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		3,969,186							0
4D	AK Rural Non-Loc	29,451	179,421	609.2	65,254	221.6	0	0.0	244,675
	AK Urban Non-Loc	592,232	200,886	33.9	-63,763	-10.8	0	0.0	137,123
	Nonresident	4,168,808	-380,307	-9.1	-1,491	0.0	0	0.0	-381,798
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		4,790,491							0
4E	AK Rural Local	82,993	0	0.0	-145	-0.2	0	0.0	-145
	AK Rural Non-Loc	4,937	0	0.0	0	0.0	0	0.0	0
	AK Urban Non-Loc	39,462	0	0.0	145	0.4	0	0.0	145
	Nonresident	12,607	0	0.0	0	0.0	0	0.0	0
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		139,999							0

### 11.3 Details of Halibut 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 shifted QS away from persons in each resident category. It also shows the quantity of QS associated with those “transfers from” transactions. Likewise, the table also shows the number of “transfers to” and the amount of QS that shifted 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 1,731,776 QS units to Alaska Rural Locals in Area 2C involved the transfer of 7,187,628 QS units away from this resident type and the transfer of 5,455,852 QS units to them.

**Table 11-3a. Halibut 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	Percent of Initial Issuance
2C	AK Rural Local	17,932,755	30.1	15,875,831	26.7	-331	-7,187,628	-28.3	337	5,455,852	21.5	-1,731,776	-9.7
	AK Rural Non-Loc	362,838	0.6	88,131	0.1	-97	-316,298	-1.2	6	22,652	0.1	-293,646	-80.9
	AK Urban Local	29,974,773	50.3	34,210,178	57.4	-478	-10,151,708	-39.9	669	14,493,753	57.0	4,342,045	14.5
	AK Urban Non-Loc	993,695	1.7	366,902	0.6	-70	-753,030	-3.0	25	298,245	1.2	-454,785	-45.8
	Nonresident	10,293,932	17.3	9,008,818	15.1	-322	-7,002,458	-27.6	261	5,140,620	20.2	-1,861,838	-18.1
		59,557,993		59,549,860		-1298	-25,411,122		1,298	25,411,122			
3A	AK Rural Local	14,928,786	8.1	16,429,491	8.9	-202	-6,333,278	-8.6	210	7,242,429	9.8	909,151	6.1
	AK Rural Non-Loc	4,206,395	2.3	4,065,005	2.2	-136	-2,328,455	-3.2	111	2,228,690	3.0	-99,765	-2.4
	AK Urban Local	79,830,647	43.1	73,847,174	40.0	-675	-33,971,099	-46.1	662	28,621,578	38.8	-5,349,521	-6.7
	AK Urban Non-Loc	19,507,831	10.5	26,562,108	14.4	-183	-5,271,165	-7.1	274	12,303,888	16.7	7,032,723	36.1
	Nonresident	66,577,488	36.0	63,836,877	34.6	-462	-25,841,081	-35.0	401	23,348,493	31.7	-2,492,588	-3.7
		185,051,147		184,740,655		-1658	-73,745,078		1,658	73,745,078			
3B	AK Rural Local	5,563,706	10.3	4,740,732	8.8	-60	-2,203,287	-10.0	43	1,511,685	6.8	-691,602	-12.4
	AK Rural Non-Loc	2,075,980	3.8	1,604,380	3.0	-126	-1,130,741	-5.1	23	547,799	2.5	-582,942	-28.1
	AK Urban Non-Loc	20,372,573	37.7	20,760,599	38.5	-288	-10,763,871	-48.7	373	12,076,142	54.7	1,312,271	6.4
	Nonresident	26,062,792	48.2	26,806,838	49.7	-215	-7,994,771	-36.2	250	7,957,044	36.0	-37,727	-0.1
			54,075,051		53,912,549		-689	-22,092,670		689	22,092,670		
4A	AK Rural Local	50,264	0.3	0	.	0	0	.	1	13,939	0.2	13,939	27.7
	AK Rural Non-Loc	907,184	6.2	327,721	2.3	-92	-872,589	-12.0	22	254,907	3.5	-617,682	-68.1
	AK Urban Local	364,612	2.5	594,665	4.1	-11	-137,478	-1.9	19	296,561	4.1	159,083	43.6
	AK Urban Non-Loc	5,743,827	39.5	6,207,771	42.8	-141	-3,526,619	-48.5	194	4,217,777	58.0	691,158	12.0
	Nonresident	7,469,115	51.4	7,372,808	50.8	-113	-2,734,394	-37.6	121	2,487,896	34.2	-246,498	-3.3
		14,535,002		14,502,965		-357	-7,271,080		357	7,271,080			
4B	AK Rural Local	160,045	1.7	160,045	1.7	0	0	.	0	0	.	0	0.0
	AK Rural Non-Loc	207,969	2.2	578,402	6.2	-3	-145,943	-5.5	3	272,675	10.3	126,732	60.9
	AK Urban Local	0	.	340	0.0	0	0	.	0	0	.	0	.
	AK Urban Non-Loc	2,874,719	30.9	2,316,456	24.9	-25	-996,240	-37.7	22	672,771	25.5	-323,469	-11.3
	Nonresident	6,050,658	65.1	6,229,531	67.1	-36	-1,498,803	-56.8	39	1,695,540	64.2	196,737	3.3
		9,293,391		9,284,774		-64	-2,640,986		64	2,640,986			

(Continued)

**Table 11-3a (con't). Halibut 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	Percent of Initial Issuance
4C	AK Rural Local	1,350,336	34.0	1,738,035	43.8	-3	-262,332	-23.9	30	650,031	59.1	387,699	28.7
	AK Rural Non-Loc	23,170	0.6	63,377	1.6	0	0	.	0	0	.	0	0.0
	AK Urban Non-Loc	826,097	20.8	796,739	20.1	-7	-284,159	-25.8	6	265,283	24.1	-18,876	-2.3
	Nonresident	1,769,583	44.6	1,371,035	34.5	-31	-553,348	-50.3	5	184,525	16.8	-368,823	-20.8
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		3,969,186		3,969,186		-41	-1,099,839		41	1,099,839			
4D	AK Rural Non-Loc	29,451	0.6	274,126	5.7	0	0	.	3	179,421	10.6	179,421	609.2
	AK Urban Non-Loc	592,232	12.4	729,355	15.2	-9	-260,749	-15.4	10	461,635	27.2	200,886	33.9
	Nonresident	4,168,808	87.0	3,787,010	79.1	-21	-1,437,426	-84.6	17	1,057,119	62.3	-380,307	-9.1
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		4,790,491		4,790,491		-30	-1,698,175		30	1,698,175			
4E	AK Rural Local	82,993	59.3	82,848	59.2	0	0	.	0	0	.	0	0.0
	AK Rural Non-Loc	4,937	3.5	4,937	3.5	0	0	.	0	0	.	0	0.0
	AK Urban Non-Loc	39,462	28.2	39,607	28.3	-1	-1,856	-100.0	1	1,856	100.0	0	0.0
	Nonresident	12,607	9.0	12,607	9.0	0	0	.	0	0	.	0	0.0
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		139,999		139,999		-1	-1,856		1	1,856			

**Table 11-3b. Halibut 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	Net Change in QS Holders	Net Percent Change in QS Holders
2C	AK Rural Local	722	30.2	534	30.7	-331	-296	-25.5	337	210	27.7	-188	-26.0
	AK Rural Non-Loc	143	6.0	54	3.1	-97	-93	-8.0	6	5	0.7	-89	-62.2
	AK Urban Local	986	41.3	817	46.9	-478	-436	-37.6	669	383	50.5	-169	-17.1
	AK Urban Non-Loc	120	5.0	63	3.6	-70	-65	-5.6	25	21	2.8	-57	-47.5
	Nonresident	417	17.5	274	15.7	-322	-271	-23.3	261	140	18.4	-143	-34.3
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		2,388		1,742		-1,298	-1,161		1,298	759			
3A	AK Rural Local	482	15.7	371	15.8	-202	-192	-13.4	210	135	13.7	-111	-23.0
	AK Rural Non-Loc	239	7.8	141	6.0	-136	-127	-8.9	111	48	4.9	-98	-41.0
	AK Urban Local	1,377	44.8	1,057	45.1	-675	-578	-40.4	662	400	40.7	-320	-23.2
	AK Urban Non-Loc	338	11.0	317	13.5	-183	-167	-11.7	274	173	17.6	-21	-6.2
	Nonresident	635	20.7	457	19.5	-462	-367	-25.6	401	226	23.0	-178	-28.0
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		3,071		2,343		-1,658	-1,431		1,658	982			
3B	AK Rural Local	127	12.0	92	12.9	-60	-56	-9.2	43	26	8.0	-35	-27.6
	AK Rural Non-Loc	195	18.4	86	12.0	-126	-125	-20.6	23	19	5.8	-109	-55.9
	AK Urban Non-Loc	458	43.3	340	47.6	-288	-254	-41.8	373	176	54.0	-118	-25.8
	Nonresident	277	26.2	197	27.6	-215	-173	-28.5	250	105	32.2	-80	-28.9
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		1,057		715		-689	-608		689	326			
4A	AK Rural Local	6	1.1	0	.	0	0	.	1	1	0.6	-6	-100.0
	AK Rural Non-Loc	170	32.0	98	25.7	-92	-89	-29.4	22	16	8.8	-72	-42.4
	AK Urban Local	19	3.6	23	6.0	-11	-11	-3.6	19	12	6.6	4	21.1
	AK Urban Non-Loc	181	34.1	147	38.5	-141	-122	-40.3	194	97	53.6	-34	-18.8
	Nonresident	155	29.2	114	29.8	-113	-81	-26.7	121	55	30.4	-41	-26.5
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		531		382		-357	-303		357	181			
4B	AK Rural Local	11	7.2	11	8.3	0	0	.	0	0	.	0	0.0
	AK Rural Non-Loc	5	3.3	6	4.5	-3	-3	-5.3	3	2	4.0	1	20.0
	AK Urban Local	0	.	1	0.8	0	0	.	0	0	.	1	.
	AK Urban Non-Loc	64	41.8	50	37.9	-25	-25	-43.9	22	20	40.0	-14	-21.9
	Nonresident	73	47.7	64	48.5	-36	-29	-50.9	39	28	56.0	-9	-12.3
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		153		132		-64	-57		64	50			

(Continued)

**Table 11-3b (con't). Halibut 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	Net Change in QS Holders	Net Percent Change in QS Holders
4C	AK Rural Local	31	38.8	35	45.5	-3	-1	-5.9	30	18	66.7	4	12.9
	AK Rural Non-Loc	1	1.3	2	2.6	0	0	.	0	0	.	1	100.0
	AK Urban Non-Loc	16	20.0	13	16.9	-7	-7	-41.2	6	5	18.5	-3	-18.8
	Nonresident	32	40.0	27	35.1	-31	-9	-52.9	5	4	14.8	-5	-15.6
		-----	80		77		-41	-17		41	27		
4D	AK Rural Non-Loc	2	2.9	5	8.2	0	0	.	3	2	8.3	3	150.0
	AK Urban Non-Loc	20	29.4	18	29.5	-9	-9	-32.1	10	8	33.3	-2	-10.0
	Nonresident	46	67.6	38	62.3	-21	-19	-67.9	17	14	58.3	-8	-17.4
		-----	68		61		-30	-28		30	24		
4E	AK Rural Local	74	71.2	73	70.2	0	0	.	0	0	.	-1	-1.4
	AK Rural Non-Loc	5	4.8	5	4.8	0	0	.	0	0	.	0	0.0
	AK Urban Non-Loc	19	18.3	20	19.2	-1	-1	-100.0	1	1	100.0	1	5.3
	Nonresident	6	5.8	6	5.8	0	0	.	0	0	.	0	0.0
		-----	104		104		-1	-1		1	1		

## 11.4 Intra-cohort and Cross-cohort Transfers

Tables 11-4a and 11-4b provide more data on QS transfer patterns by the five resident types defined in Section 11-1. 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 transfer rates in each year from 1995 through 1997, and over the entire three-year time period. For example, in Area 2C in 1995, persons in the Alaska Rural Local category received 58.3% (1,343,613 QS units) of the QS transferred to them from other ARLs. This compares to 46.0% (966,694 QS units) in 1996. Over the entire time period from initial issuance through year-end 1997, 52.7% (2,873,531 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 the percentages of intra-cohort and cross-cohort transfers varied widely by resident-type and area, although intra-cohort transfers may have been more likely for most areas and resident-types. Intra-cohort transfers were especially prevalent among nonresidents.

**Table 11-4a. Intra-cohort and Cross-cohort Transfers of Halibut 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		
2C	ARL	1995	1,343,613	58.3	119,095	5.2	514,344	22.3	18,982	0.8	310,030	13.4	2,306,064	100.0
		1996	966,694	46.0	17,867	0.9	723,781	34.5	63,810	3.0	327,384	15.6	2,099,536	100.0
		1997	563,224	53.6	293	0.0	230,833	22.0	92,917	8.8	162,985	15.5	1,050,252	100.0
		All Years	2,873,531	52.7	137,255	2.5	1,468,958	26.9	175,709	3.2	800,399	14.7	5,455,852	100.0
	ARN	1995	15,786	89.2	1,910	10.8	0	0.0	0	0.0	0	0.0	17,696	100.0
		1996	0	0.0	0	0.0	1,086	21.9	0	0.0	3,870	78.1	4,956	100.0
		All Years	15,786	69.7	1,910	8.4	1,086	4.8	0	0.0	3,870	17.1	22,652	100.0
	AUL	1995	1,238,040	22.0	7,159	0.1	3,228,457	57.4	70,612	1.3	1,077,399	19.2	5,621,667	100.0
		1996	1,255,220	24.4	110,472	2.1	2,267,406	44.1	168,574	3.3	1,343,596	26.1	5,145,268	100.0
		1997	792,575	21.3	17,908	0.5	1,904,519	51.1	63,512	1.7	948,304	25.4	3,726,818	100.0
		All Years	3,285,835	22.7	135,539	0.9	7,400,382	51.1	302,698	2.1	3,369,299	23.2	14,493,753	100.0
	AUN	1995	37,984	23.5	0	0.0	60,942	37.7	50,099	31.0	12,599	7.8	161,624	100.0
		1996	0	0.0	0	0.0	6,660	32.6	51	0.2	13,690	67.1	20,401	100.0
		1997	4,938	4.2	0	0.0	0	0.0	2,255	1.9	109,027	93.8	116,220	100.0
		All Years	42,922	14.4	0	0.0	67,602	22.7	52,405	17.6	135,316	45.4	298,245	100.0
	N	1995	425,873	17.9	13,910	0.6	512,930	21.5	92,322	3.9	1,336,451	56.1	2,381,486	100.0
		1996	394,085	23.2	26,689	1.6	326,373	19.2	98,266	5.8	854,747	50.3	1,700,160	100.0
		1997	149,596	14.1	995	0.1	374,377	35.4	31,630	3.0	502,376	47.4	1,058,974	100.0
All Years		969,554	18.9	41,594	0.8	1,213,680	23.6	222,218	4.3	2,693,574	52.4	5,140,620	100.0	
3A	ARL	1995	568,126	17.8	322,602	10.1	1,654,247	51.9	30,286	1.0	609,231	19.1	3,184,492	100.0
		1996	644,593	28.4	0	0.0	856,019	37.7	95,190	4.2	676,222	29.8	2,272,024	100.0
		1997	423,762	23.7	96,269	5.4	652,687	36.5	4,754	0.3	608,441	34.1	1,785,913	100.0
		All Years	1,636,481	22.6	418,871	5.8	3,162,953	43.7	130,230	1.8	1,893,894	26.1	7,242,429	100.0
	ARN	1995	38,436	5.3	275,260	37.9	163,649	22.5	13,905	1.9	235,178	32.4	726,428	100.0
		1996	256,305	32.0	161,193	20.2	110,627	13.8	7,629	1.0	263,988	33.0	799,742	100.0
		1997	0	0.0	81,274	11.6	266,501	37.9	63,061	9.0	291,684	41.5	702,520	100.0
		All Years	294,741	13.2	517,727	23.2	540,777	24.3	84,595	3.8	790,850	35.5	2,228,690	100.0
	AUL	1995	473,695	3.5	333,942	2.5	9,862,758	72.7	353,900	2.6	2,542,689	18.7	13,566,984	100.0
		1996	671,127	7.4	171,167	1.9	6,850,721	75.1	53,120	0.6	1,371,859	15.0	9,117,994	100.0
		1997	317,844	5.4	83,764	1.4	4,456,009	75.1	120,334	2.0	958,649	16.1	5,936,600	100.0
		All Years	1,462,666	5.1	588,873	2.1	21,169,488	74.0	527,354	1.8	4,873,197	17.0	28,621,578	100.0

(Continued)

**Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Halibut 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			
3A	AUN	1995	265,770	7.1	92,558	2.5	597,413	16.0	1,456,574	39.0	1,323,750	35.4	3,736,065	100.0	
		1996	502,854	8.5	27,331	0.5	1,562,486	26.3	1,106,823	18.6	2,749,651	46.2	5,949,145	100.0	
		1997	271,026	10.3	4,321	0.2	654,523	25.0	879,813	33.6	808,995	30.9	2,618,678	100.0	
		All Years	1,039,650	8.4	124,210	1.0	2,814,422	22.9	3,443,210	28.0	4,882,396	39.7	12,303,888	100.0	
	N	1995	571,668	7.8	189,761	2.6	1,599,918	21.8	420,716	5.7	4,561,457	62.1	7,343,520	100.0	
		1996	1,030,278	12.1	284,573	3.4	2,038,338	24.0	369,838	4.4	4,764,859	56.1	8,487,886	100.0	
		1997	297,794	4.0	204,440	2.7	2,645,203	35.2	295,222	3.9	4,074,428	54.2	7,517,087	100.0	
		All Years	1,899,740	8.1	678,774	2.9	6,283,459	26.9	1,085,776	4.7	13,400,744	57.4	23,348,493	100.0	
	3B	ARL	1995	509,217	58.9	0	0.0	0	0.0	232,638	26.9	121,991	14.1	863,846	100.0
			1996	222,852	50.7	0	0.0	0	0.0	69,688	15.9	146,675	33.4	439,215	100.0
1997			160,269	76.8	0	0.0	0	0.0	15,010	7.2	33,345	16.0	208,624	100.0	
All Years			892,338	59.0	0	0.0	0	0.0	317,336	21.0	302,011	20.0	1,511,685	100.0	
ARN		1995	46,210	21.9	10,086	4.8	0	0.0	117,840	55.8	37,167	17.6	211,303	100.0	
		1996	0	0.0	16,757	8.3	0	0.0	67,136	33.3	117,559	58.4	201,452	100.0	
		1997	0	0.0	62,291	46.1	0	0.0	25,781	19.1	46,972	34.8	135,044	100.0	
		All Years	46,210	8.4	89,134	16.3	0	0.0	210,757	38.5	201,698	36.8	547,799	100.0	
AUN		1995	29,553	0.8	121,237	3.2	0	0.0	2,895,674	76.1	761,018	20.0	3,807,482	100.0	
		1996	510,894	11.8	259,358	6.0	0	0.0	2,751,185	63.4	817,778	18.8	4,339,215	100.0	
		1997	168,199	4.3	206,399	5.3	0	0.0	2,424,075	61.7	1,130,772	28.8	3,929,445	100.0	
		All Years	708,646	5.9	586,994	4.9	0	0.0	8,070,934	66.8	2,709,568	22.4	12,076,142	100.0	
N		1995	130,184	5.3	109,122	4.5	0	0.0	570,434	23.3	1,639,769	66.9	2,449,509	100.0	
		1996	309,792	11.9	222,007	8.6	0	0.0	737,523	28.4	1,326,942	51.1	2,596,264	100.0	
		1997	116,117	4.0	123,484	4.2	0	0.0	856,887	29.4	1,814,783	62.3	2,911,271	100.0	
		All Years	556,093	7.0	454,613	5.7	0	0.0	2,164,844	27.2	4,781,494	60.1	7,957,044	100.0	
4A		ARL	1995	0	0.0	0	0.0	13,939	100.0	0	0.0	0	0.0	13,939	100.0
			All Years	0	0.0	0	0.0	13,939	100.0	0	0.0	0	0.0	13,939	100.0
		ARN	1995	0	0.0	26,597	43.1	0	0.0	26,972	43.7	8,112	13.2	61,681	100.0
			1996	0	0.0	22,427	19.3	0	0.0	46,601	40.1	47,054	40.5	116,082	100.0
	1997		0	0.0	15,179	19.7	0	0.0	43,962	57.0	18,003	23.3	77,144	100.0	
	All Years		0	0.0	64,203	25.2	0	0.0	117,535	46.1	73,169	28.7	254,907	100.0	

(Continued)

**Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Halibut 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
4A	AUL	1995	0	0.0	14,199	27.6	37,232	72.4	0	0.0	0	0.0	51,431	100.0
		1996	0	0.0	14,030	7.9	13,396	7.6	42,297	23.9	107,418	60.6	177,141	100.0
		1997	0	0.0	15,481	22.8	23,847	35.1	24,917	36.6	3,744	5.5	67,989	100.0
		All Years	0	0.0	43,710	14.7	74,475	25.1	67,214	22.7	111,162	37.5	296,561	100.0
	AUN	1995	0	0.0	119,704	10.6	0	0.0	711,091	63.0	298,562	26.4	1,129,357	100.0
		1996	0	0.0	157,754	15.4	5,778	0.6	732,597	71.3	131,192	12.8	1,027,321	100.0
		1997	0	0.0	298,629	14.5	6,767	0.3	1,342,456	65.1	413,247	20.0	2,061,099	100.0
		All Years	0	0.0	576,087	13.7	12,545	0.3	2,786,144	66.1	843,001	20.0	4,217,777	100.0
	N	1995	0	0.0	41,310	8.3	0	0.0	267,036	53.3	192,281	38.4	500,627	100.0
		1996	0	0.0	94,275	12.6	0	0.0	223,058	29.8	432,016	57.7	749,349	100.0
		1997	0	0.0	53,004	4.3	36,519	3.0	65,632	5.3	1,082,765	87.5	1,237,920	100.0
		All Years	0	0.0	188,589	7.6	36,519	1.5	555,726	22.3	1,707,062	68.6	2,487,896	100.0
4B	ARN	1997	0	0.0	0	0.0	0	0.0	216,492	79.4	56,183	20.6	272,675	100.0
		All Years	0	0.0	0	0.0	0	0.0	216,492	79.4	56,183	20.6	272,675	100.0
	AUN	1995	0	0.0	0	0.0	0	0.0	302,319	79.8	76,334	20.2	378,653	100.0
		1996	0	0.0	0	0.0	0	0.0	174,366	84.1	33,069	15.9	207,435	100.0
		1997	0	0.0	0	0.0	0	0.0	86,683	100.0	0	0.0	86,683	100.0
		All Years	0	0.0	0	0.0	0	0.0	563,368	83.7	109,403	16.3	672,771	100.0
	N	1995	0	0.0	0	0.0	0	0.0	0	0.0	30,345	100.0	30,345	100.0
		1996	0	0.0	84,886	37.7	0	0.0	94,982	42.2	45,141	20.1	225,009	100.0
		1997	0	0.0	61,057	4.2	0	0.0	121,398	8.4	1,257,731	87.3	1,440,186	100.0
		All Years	0	0.0	145,943	8.6	0	0.0	216,380	12.8	1,333,217	78.6	1,695,540	100.0
4C	ARL	1996	262,332	42.7	0	0.0	0	0.0	18,876	3.1	333,238	54.2	614,446	100.0
		1997	0	0.0	0	0.0	0	0.0	0	0.0	35,585	100.0	35,585	100.0
		All Years	262,332	40.4	0	0.0	0	0.0	18,876	2.9	368,823	56.7	650,031	100.0
	AUN	1995	0	0.0	0	0.0	0	0.0	105,330	100.0	0	0.0	105,330	100.0
		1997	0	0.0	0	0.0	0	0.0	159,953	100.0	0	0.0	159,953	100.0
		All Years	0	0.0	0	0.0	0	0.0	265,283	100.0	0	0.0	265,283	100.0
	N	1997	0	0.0	0	0.0	0	0.0	0	0.0	184,525	100.0	184,525	100.0
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	184,525	100.0	184,525	100.0

(Continued)

**Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Halibut 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		
4D	ARN	1997	0	0.0	0	0.0	0	0.0	0	0.0	179,421	100.0	179,421	100.0
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	179,421	100.0	179,421	100.0
	AUN	1995	0	0.0	0	0.0	0	0.0	39,715	100.0	0	0.0	39,715	100.0
		1996	0	0.0	0	0.0	0	0.0	29,678	12.4	210,503	87.6	240,181	100.0
		1997	0	0.0	0	0.0	0	0.0	165,560	91.1	16,179	8.9	181,739	100.0
		All Years	0	0.0	0	0.0	0	0.0	234,953	50.9	226,682	49.1	461,635	100.0
	N	1995	0	0.0	0	0.0	0	0.0	0	0.0	69,848	100.0	69,848	100.0
		1996	0	0.0	0	0.0	0	0.0	0	0.0	197,987	100.0	197,987	100.0
		1997	0	0.0	0	0.0	0	0.0	25,796	3.3	763,488	96.7	789,284	100.0
		All Years	0	0.0	0	0.0	0	0.0	25,796	2.4	1,031,323	97.6	1,057,119	100.0
4E	AUN	1997	0	0.0	0	0.0	0	0.0	1,856	100.0	0	0.0	1,856	100.0
		All Years	0	0.0	0	0.0	0	0.0	1,856	100.0	0	0.0	1,856	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	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 Pct.	
2C	AK Rural Local	1995	62	42.8	46	31.7	20	13.8	4	2.8	13	9.0	145	100.0	
		1996	58	48.7	2	1.7	31	26.1	3	2.5	25	21.0	119	100.0	
		1997	39	53.4	1	1.4	13	17.8	5	6.8	15	20.5	73	100.0	
		All Years	159	47.2	49	14.5	64	19.0	12	3.6	53	15.7	337	100.0	
	AK Rural Non-Loc	1995	3	75.0	1	25.0	0	0.0	0	0.0	0	0.0	4	100.0	
		1996	0	0.0	0	0.0	1	50.0	0	0.0	1	50.0	2	100.0	
		All Years	3	50.0	1	16.7	1	16.7	0	0.0	1	16.7	6	100.0	
	AK Urban Local	1995	39	19.5	2	1.0	114	57.0	4	2.0	41	20.5	200	100.0	
		1996	50	19.8	27	10.7	121	48.0	19	7.5	35	13.9	252	100.0	
		1997	40	18.4	6	2.8	121	55.8	9	4.1	41	18.9	217	100.0	
		All Years	129	19.3	35	5.2	356	53.2	32	4.8	117	17.5	669	100.0	
	AK Urban Non-Loc	1995	3	23.1	0	0.0	3	23.1	4	30.8	3	23.1	13	100.0	
		1996	0	0.0	0	0.0	2	28.6	1	14.3	4	57.1	7	100.0	
		1997	2	40.0	0	0.0	0	0.0	2	40.0	1	20.0	5	100.0	
		All Years	5	20.0	0	0.0	5	20.0	7	28.0	8	32.0	25	100.0	
	Nonresident	1995	14	15.1	2	2.2	21	22.6	6	6.5	50	53.8	93	100.0	
		1996	12	12.5	9	9.4	17	17.7	7	7.3	51	53.1	96	100.0	
		1997	9	12.5	1	1.4	14	19.4	6	8.3	42	58.3	72	100.0	
		All Years	35	13.4	12	4.6	52	19.9	19	7.3	143	54.8	261	100.0	
	3A	AK Rural Local	1995	23	29.5	2	2.6	33	42.3	4	5.1	16	20.5	78	100.0
			1996	26	38.2	0	0.0	28	41.2	3	4.4	11	16.2	68	100.0
1997			23	35.9	3	4.7	25	39.1	2	3.1	11	17.2	64	100.0	
All Years			72	34.3	5	2.4	86	41.0	9	4.3	38	18.1	210	100.0	
AK Rural Non-Loc		1995	2	4.5	32	72.7	3	6.8	3	6.8	4	9.1	44	100.0	
		1996	5	11.9	18	42.9	8	19.0	1	2.4	10	23.8	42	100.0	
		1997	0	0.0	7	28.0	5	20.0	2	8.0	11	44.0	25	100.0	
		All Years	7	6.3	57	51.4	16	14.4	6	5.4	25	22.5	111	100.0	
AK Urban Local		1995	20	8.2	24	9.8	148	60.4	13	5.3	40	16.3	245	100.0	
		1996	26	12.0	9	4.1	140	64.5	2	0.9	40	18.4	217	100.0	
		1997	23	11.5	4	2.0	131	65.5	6	3.0	36	18.0	200	100.0	
		All Years	69	10.4	37	5.6	419	63.3	21	3.2	116	17.5	662	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 Pct.	
3A	AK Urban Non-Loc	1995	4	5.9	4	5.9	9	13.2	35	51.5	16	23.5	68	100.0	
		1996	7	5.9	3	2.5	28	23.5	44	37.0	37	31.1	119	100.0	
		1997	7	8.0	3	3.4	16	18.4	40	46.0	21	24.1	87	100.0	
		All Years	18	6.6	10	3.6	53	19.3	119	43.4	74	27.0	274	100.0	
	Nonresident	1995	9	8.5	10	9.4	20	18.9	6	5.7	61	57.5	106	100.0	
		1996	16	10.4	11	7.1	38	24.7	11	7.1	78	50.6	154	100.0	
		1997	11	7.8	6	4.3	43	30.5	11	7.8	70	49.6	141	100.0	
		All Years	36	9.0	27	6.7	101	25.2	28	7.0	209	52.1	401	100.0	
	3B	AK Rural Local	1995	10	52.6	0	0.0	0	0.0	7	36.8	2	10.5	19	100.0
			1996	8	50.0	0	0.0	0	0.0	4	25.0	4	25.0	16	100.0
1997			6	75.0	0	0.0	0	0.0	1	12.5	1	12.5	8	100.0	
All Years			24	55.8	0	0.0	0	0.0	12	27.9	7	16.3	43	100.0	
AK Rural Non-Loc		1995	1	20.0	1	20.0	0	0.0	2	40.0	1	20.0	5	100.0	
		1996	0	0.0	3	25.0	0	0.0	3	25.0	6	50.0	12	100.0	
		1997	0	0.0	2	33.3	0	0.0	1	16.7	3	50.0	6	100.0	
		All Years	1	4.3	6	26.1	0	0.0	6	26.1	10	43.5	23	100.0	
AK Urban Non-Loc		1995	1	1.1	29	31.5	0	0.0	50	54.3	12	13.0	92	100.0	
		1996	7	6.4	10	9.1	0	0.0	67	60.9	26	23.6	110	100.0	
		1997	8	4.7	20	11.7	0	0.0	89	52.0	54	31.6	171	100.0	
		All Years	16	4.3	59	15.8	0	0.0	206	55.2	92	24.7	373	100.0	
Nonresident		1995	2	5.4	3	8.1	0	0.0	11	29.7	21	56.8	37	100.0	
		1996	8	6.7	52	43.7	0	0.0	26	21.8	33	27.7	119	100.0	
		1997	9	9.6	6	6.4	0	0.0	27	28.7	52	55.3	94	100.0	
		All Years	19	7.6	61	24.4	0	0.0	64	25.6	106	42.4	250	100.0	
4A		AK Rural Local	1995	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0
			All Years	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0
		AK Rural Non-Loc	1995	0	0.0	3	50.0	0	0.0	2	33.3	1	16.7	6	100.0
			1996	0	0.0	1	12.5	0	0.0	3	37.5	4	50.0	8	100.0
	1997		0	0.0	2	25.0	0	0.0	3	37.5	3	37.5	8	100.0	
	All Years		0	0.0	6	27.3	0	0.0	8	36.4	8	36.4	22	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 Pct.	
4A	AK Urban Local	1995	0	0.0	3	60.0	2	40.0	0	0.0	0	0.0	5	100.0	
		1996	0	0.0	1	20.0	1	20.0	2	40.0	1	20.0	5	100.0	
		1997	0	0.0	2	22.2	4	44.4	2	22.2	1	11.1	9	100.0	
		All Years	0	0.0	6	31.6	7	36.8	4	21.1	2	10.5	19	100.0	
	AK Urban Non-Loc	1995	0	0.0	4	10.5	0	0.0	24	63.2	10	26.3	38	100.0	
		1996	0	0.0	6	14.3	1	2.4	27	64.3	8	19.0	42	100.0	
		1997	0	0.0	17	14.9	1	0.9	52	45.6	44	38.6	114	100.0	
		All Years	0	0.0	27	13.9	2	1.0	103	53.1	62	32.0	194	100.0	
	Nonresident	1995	0	0.0	27	64.3	0	0.0	9	21.4	6	14.3	42	100.0	
		1996	0	0.0	19	51.4	0	0.0	9	24.3	9	24.3	37	100.0	
		1997	0	0.0	7	16.7	1	2.4	8	19.0	26	61.9	42	100.0	
		All Years	0	0.0	53	43.8	1	0.8	26	21.5	41	33.9	121	100.0	
4B	AK Rural Non-Loc	1997	0	0.0	0	0.0	0	0.0	2	66.7	1	33.3	3	100.0	
		All Years	0	0.0	0	0.0	0	0.0	2	66.7	1	33.3	3	100.0	
	AK Urban Non-Loc	1995	0	0.0	0	0.0	0	0.0	7	63.6	4	36.4	11	100.0	
		1996	0	0.0	0	0.0	0	0.0	5	71.4	2	28.6	7	100.0	
		1997	0	0.0	0	0.0	0	0.0	4	100.0	0	0.0	4	100.0	
		All Years	0	0.0	0	0.0	0	0.0	16	72.7	6	27.3	22	100.0	
	Nonresident	1995	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0	
		1996	0	0.0	1	20.0	0	0.0	2	40.0	2	40.0	5	100.0	
		1997	0	0.0	2	6.3	0	0.0	5	15.6	25	78.1	32	100.0	
		All Years	0	0.0	3	7.7	0	0.0	7	17.9	29	74.4	39	100.0	
	4C	AK Rural Local	1996	3	10.3	0	0.0	0	0.0	1	3.4	25	86.2	29	100.0
			1997	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
All Years			3	10.0	0	0.0	0	0.0	1	3.3	26	86.7	30	100.0	
AK Urban Non-Loc		1995	0	0.0	0	0.0	0	0.0	3	100.0	0	0.0	3	100.0	
		1997	0	0.0	0	0.0	0	0.0	3	100.0	0	0.0	3	100.0	
		All Years	0	0.0	0	0.0	0	0.0	6	100.0	0	0.0	6	100.0	
Nonresident		1997	0	0.0	0	0.0	0	0.0	0	0.0	5	100.0	5	100.0	
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	5	100.0	5	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 Pct.	
4D	AK Rural Non-Loc	1997	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0	
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0	3	100.0	
	AK Urban Non-Loc	1995	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	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	5	83.3	1	16.7	6	100.0	
		All Years	0	0.0	0	0.0	0	0.0	7	70.0	3	30.0	10	100.0	
	Nonresident	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	3	100.0	3	100.0	
		1997	0	0.0	0	0.0	0	0.0	2	15.4	11	84.6	13	100.0	
		All Years	0	0.0	0	0.0	0	0.0	2	11.8	15	88.2	17	100.0	
	4E	AK Urban Non-Loc	1997	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