

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

11.1 Initial and Year-end 1998 QS Holdings for Rural-Urban and Local-Nonlocal Residents.

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.⁶³ The five resident types are defined as follows:

- AK Rural Local (ARL) A person residing in an *Alaska rural* community which is *local* to the IFQ management area for which the QS applies;
- AK Rural Nonlocal (ARN) A person residing in an *Alaska rural* community which is *not local* to the IFQ management area for which the QS applies;
- AK Urban Local (AUL) A person residing in an *Alaska urban* community which is *local* to the IFQ management area for which the QS applies.
- AK Urban Nonlocal (AUN) A person residing in an *Alaska urban* community which is *not local* 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.

⁶³ 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 1975-1998*, July 1999.

Table 11-1a provides the initial distribution and the year-end 1998 distribution of halibut QS by area and resident type. It also shows the initial and year-end percentage of the area's QS held by each resident type, and the change in QS held by resident types over the period.⁶⁴ As was shown in Chapter 10, Nonresidents hold large amounts of halibut QS, especially in Areas 3B, 4A, 4B, and 4D. Among Alaska resident types, urban residents hold the greatest portion of QS in most areas: Alaska Urban Locals hold the greatest percentage of the QS in Areas 2C and 3A, whereas Alaska Urban Nonlocals hold the greatest percentage of Alaska-held QS in Areas 3B, 4A, 4B, and 4D. Rural Alaska residents hold substantial portions of halibut QS in Areas 2C, 4C, and 4E.

Table 11-1b provides similar information as Table 11-1a, except it provides information on QS holders rather than QS amounts. The table shows the initial and year-end 1998 distribution of QS holders by area and resident type, the change and percentage change in the number of QS holders by area and resident type, and average QS holdings for resident types at initial issuance and year-end 1998.

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 1998.

In many areas, rural Alaska QS holders have held smaller average amounts of QS than have urban Alaska QS holders or nonresidents.

⁶⁴ 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 1998 period, and had different addresses and were classified into different resident categories at each point in time.

Table 11-1a. Initial Allocation and Year-end 1998 QS Holdings by Management Area and Resident Type

Area	Resident Type	Initial Amount of QS	1998 Amount of QS	Initial Pct. of Area QS	1998 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
2C	AK Rural Local	17,932,755	15,115,701	30.1	25.4	-2,817,054	-15.7
	AK Rural Non-Loc	362,838	83,185	0.6	0.1	-279,653	-77.1
	AK Urban Local	29,974,773	34,505,238	50.3	57.9	4,530,465	15.1
	AK Urban Non-Loc	995,092	439,487	1.7	0.7	-555,605	-55.8
	Nonresident	10,293,932	9,407,646	17.3	15.8	-886,286	-8.6

		59,559,390	59,551,257			-8,133	
3A	AK Rural Local	14,928,786	16,678,369	8.1	9.0	1,749,583	11.7
	AK Rural Non-Loc	4,206,395	3,600,470	2.3	1.9	-605,925	-14.4
	AK Urban Local	79,834,467	74,704,948	43.1	40.4	-5,129,519	-6.4
	AK Urban Non-Loc	19,507,831	26,009,553	10.5	14.1	6,501,722	33.3
	Nonresident	66,843,449	63,730,136	36.1	34.5	-3,113,313	-4.7

		185,320,928	184,723,476			-597,452	
3B	AK Rural Local	5,563,706	4,690,136	10.3	8.7	-873,570	-15.7
	AK Rural Non-Loc	2,075,980	1,442,067	3.8	2.7	-633,913	-30.5
	AK Urban Non-Loc	20,372,737	20,328,852	37.6	37.8	-43,885	-0.2
	Nonresident	26,159,470	27,379,533	48.3	50.9	1,220,063	4.7

		54,171,893	53,840,588			-331,305	
4A	AK Rural Local	50,264	0	0.3	0.0	-50,264	-100.0
	AK Rural Non-Loc	907,184	283,313	6.2	2.0	-623,871	-68.8
	AK Urban Local	364,612	594,567	2.5	4.1	229,955	63.1
	AK Urban Non-Loc	5,743,871	6,243,233	39.5	43.0	499,362	8.7
	Nonresident	7,485,405	7,381,896	51.4	50.9	-103,509	-1.4

		14,551,336	14,503,009			-48,327	
4B	AK Rural Local	160,045	160,045	1.7	1.7	0	0.0
	AK Rural Non-Loc	207,969	439,949	2.2	4.7	231,980	111.5
	AK Urban Local	0	340	0.0	0.0	340	n.a.
	AK Urban Non-Loc	2,874,719	2,673,346	30.9	28.8	-201,373	-7.0
	Nonresident	6,050,658	6,011,094	65.1	64.7	-39,564	-0.7

		9,293,391	9,284,774			-8,617	
4C	AK Rural Local	1,350,336	1,768,997	34.0	44.6	418,661	31.0
	AK Rural Non-Loc	23,170	23,170	0.6	0.6	0	0.0
	AK Urban Non-Loc	826,097	803,741	20.8	20.2	-22,356	-2.7
	Nonresident	1,769,583	1,373,278	44.6	34.6	-396,305	-22.4

		3,969,186	3,969,186			0	
4D	AK Rural Non-Loc	29,451	193,539	0.6	4.1	164,088	557.2
	AK Urban Non-Loc	592,232	779,174	12.4	16.4	186,942	31.6
	Nonresident	4,168,808	3,773,605	87.0	79.5	-395,203	-9.5

		4,790,491	4,746,318			-44,173	
4E	AK Rural Local	82,993	84,753	59.3	60.5	1,760	2.1
	AK Rural Non-Loc	4,937	4,937	3.5	3.5	0	0.0
	AK Urban Non-Loc	39,462	37,180	28.2	26.6	-2,282	-5.8
	Nonresident	12,607	13,129	9.0	9.4	522	4.1

		139,999	139,999			0	

Table 11-1b. Initial Allocation and Year-end 1998 QS Holders by Management Area and Resident Type

Area	Resident Type	Initial Number of QS Holders	1998 Number of QS Holders	Initial Pct. of Area QS Holders	1998 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	1998 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
2C	AK Rural Local	722	499	30.2	29.6	-223	-30.9	24,838	30,292	5,454	22.0
	AK Rural Non-Loc	143	48	6.0	2.8	-95	-66.4	2,537	1,733	-804	-31.7
	AK Urban Local	986	803	41.3	47.7	-183	-18.6	30,400	42,970	12,570	41.3
	AK Urban Non-Loc	121	55	5.1	3.3	-66	-54.5	8,224	7,991	-233	-2.8
	Nonresident	417	280	17.5	16.6	-137	-32.9	24,686	33,599	8,913	36.1
		-----	-----								
		2,389	1,685								
3A	AK Rural Local	482	357	15.7	15.9	-125	-25.9	30,973	46,718	15,745	50.8
	AK Rural Non-Loc	239	126	7.8	5.6	-113	-47.3	17,600	28,575	10,975	62.4
	AK Urban Local	1,378	1,017	44.8	45.3	-361	-26.2	57,935	73,456	15,521	26.8
	AK Urban Non-Loc	338	296	11.0	13.2	-42	-12.4	57,715	87,870	30,155	52.2
	Nonresident	636	451	20.7	20.1	-185	-29.1	105,100	141,309	36,209	34.5
		-----	-----								
		3,073	2,247								
3B	AK Rural Local	127	88	12.0	13.2	-39	-30.7	43,809	53,297	9,488	21.7
	AK Rural Non-Loc	195	74	18.4	11.1	-121	-62.1	10,646	19,487	8,841	83.0
	AK Urban Non-Loc	458	311	43.3	46.5	-147	-32.1	44,482	65,366	20,884	46.9
	Nonresident	277	196	26.2	29.3	-81	-29.2	94,439	139,691	45,252	47.9
		-----	-----								
		1,057	669								
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	86	32.0	24.0	-84	-49.4	5,336	3,294	-2,042	-38.3
	AK Urban Local	19	22	3.6	6.1	3	15.8	19,190	27,026	7,836	40.8
	AK Urban Non-Loc	181	139	34.1	38.7	-42	-23.2	31,734	44,915	13,181	41.5
	Nonresident	155	112	29.2	31.2	-43	-27.7	48,293	65,910	17,617	36.5
		-----	-----								
		531	359								
4B	AK Rural Local	11	11	7.2	8.9	0	0.0	14,550	14,550	0	0.0
	AK Rural Non-Loc	5	4	3.3	3.2	-1	-20.0	41,594	109,987	68,393	164.4
	AK Urban Local	0	1	0.0	0.8	1	n.a.	0	340	340	n.a.
	AK Urban Non-Loc	64	52	41.8	41.9	-12	-18.8	44,917	51,411	6,494	14.5
	Nonresident	73	56	47.7	45.2	-17	-23.3	82,886	107,341	24,455	29.5
		-----	-----								
		153	124								

(Continued)

Table 11-1b (con't). Initial Allocation and Year-end 1998 QS Holders by Management Area and Resident Type

Area	Resident Type	Initial Number of QS Holders	1998 Number of QS Holders	Initial Pct. of Area QS Holders	1998 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	1998 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
4C	AK Rural Local	31	34	38.8	47.2	3	9.7	43,559	52,029	8,470	19.4
	AK Rural Non-Loc	1	1	1.3	1.4	0	0.0	23,170	23,170	0	0.0
	AK Urban Non-Loc	16	11	20.0	15.3	-5	-31.3	51,631	73,067	21,436	41.5
	Nonresident	32	26	40.0	36.1	-6	-18.8	55,299	52,818	-2,481	-4.5
		-----	-----								
		80	72								
4D	AK Rural Non-Loc	2	3	2.9	5.4	1	50.0	14,726	64,513	49,787	338.1
	AK Urban Non-Loc	20	15	29.4	26.8	-5	-25.0	29,612	51,945	22,333	75.4
	Nonresident	46	38	67.6	67.9	-8	-17.4	90,626	99,305	8,679	9.6
		-----	-----								
		68	56								
4E	AK Rural Local	74	73	71.2	70.2	-1	-1.4	1,122	1,161	39	3.5
	AK Rural Non-Loc	5	5	4.8	4.8	0	0.0	987	987	0	0.0
	AK Urban Non-Loc	19	19	18.3	18.3	0	0.0	2,077	1,957	-120	-5.8
	Nonresident	6	7	5.8	6.7	1	16.7	2,101	1,876	-225	-10.7
		-----	-----								
		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 1998. 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 of the QS held by each resident type at the end of 1998. 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, Nonresidents show a total net loss of 886,286 QS units in Area 2C. Of that amount, 1,972,780 QS units were lost due to transfer activity and 5,446 were lost through revocations; however, 1,091,940 QS units were gained through migrations (the net result of Alaska residents moving out of state). In Area 3A, Nonresidents also show a net loss of QS. In this area, however, Nonresidents registered a net loss of QS units in both transfers and migrations (2,788,093 units and 77,953 units, respectively). They also show a net loss of QS units due to revocations (247,267 units).

Table 11-2. Net Result of Halibut QS Transfers, Migrations, and Revocations From Initial Issuance Through Year-end 1998, 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	-2,026,430	-11.3	-790,624	-4.4	0	0.0	-2,817,054
	AK Rural Non-Loc	362,838	-301,302	-83.0	21,649	6.0	0	0.0	-279,653
	AK Urban Local	29,974,773	4,818,928	16.1	-287,914	-1.0	-549	0.0	4,530,465
	AK Urban Non-Loc	995,092	-518,416	-52.1	-35,051	-3.5	-2,138	-0.2	-555,605
	Nonresident	10,293,932	-1,972,780	-19.2	1,091,940	10.6	-5,446	-0.1	-886,286
		59,559,390							-8,133
3A	AK Rural Local	14,928,786	1,514,520	10.1	235,063	1.6	0	0.0	1,749,583
	AK Rural Non-Loc	4,206,395	-219,105	-5.2	-386,820	-9.2	0	0.0	-605,925
	AK Urban Local	79,834,467	-5,611,578	-7.0	821,343	1.0	-339,284	-0.4	-5,129,519
	AK Urban Non-Loc	19,507,831	7,104,256	36.4	-591,633	-3.0	-10,901	-0.1	6,501,722
	Nonresident	66,843,449	-2,788,093	-4.2	-77,953	-0.1	-247,267	-0.4	-3,113,313
		185,320,928							-597,452
3B	AK Rural Local	5,563,706	-652,294	-11.7	-221,276	-4.0	0	0.0	-873,570
	AK Rural Non-Loc	2,075,980	-554,586	-26.7	-79,327	-3.8	0	0.0	-633,913
	AK Urban Non-Loc	20,372,737	1,249,406	6.1	-1,067,691	-5.2	-225,600	-1.1	-43,885
	Nonresident	26,159,470	-42,526	-0.2	1,368,294	5.2	-105,705	-0.4	1,220,063
		54,171,893							-331,305
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	-632,730	-69.7	8,859	1.0	0	0.0	-623,871
	AK Urban Local	364,612	159,083	43.6	70,872	19.4	0	0.0	229,955
	AK Urban Non-Loc	5,743,871	656,991	11.4	-157,629	-2.7	0	0.0	499,362
	Nonresident	7,485,405	-197,283	-2.6	142,101	1.9	-48,327	-0.6	-103,509
		14,551,336							-48,327

(Continued)

Table 11-2 (con't). Net Result of Halibut QS Transfers, Migrations, and Revocations From Initial Issuance Through Year-end 1998, 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	231,980	111.5	0	0.0	0	0.0	231,980
	AK Urban Local	0	0	n.a.	340	n.a.	0	n.a.	340
	AK Urban Non-Loc	2,874,719	-81,878	-2.8	-119,495	-4.2	0	0.0	-201,373
	Nonresident	6,050,658	-150,102	-2.5	119,155	2.0	-8,617	-0.1	-39,564
		-----							-----
		9,293,391							-8,617
4C	AK Rural Local	1,350,336	418,661	31.0	0	0.0	0	0.0	418,661
	AK Rural Non-Loc	23,170	0	0.0	0	0.0	0	0.0	0
	AK Urban Non-Loc	826,097	-26,618	-3.2	4,262	0.5	0	0.0	-22,356
	Nonresident	1,769,583	-392,043	-22.2	-4,262	-0.2	0	0.0	-396,305
		-----							-----
		3,969,186							0
4D	AK Rural Non-Loc	29,451	179,421	609.2	-15,333	-52.1	0	0.0	164,088
	AK Urban Non-Loc	592,232	214,291	36.2	16,824	2.8	-44,173	-7.5	186,942
	Nonresident	4,168,808	-393,712	-9.4	-1,491	0.0	0	0.0	-395,203
		-----							-----
		4,790,491							-44,173
4E	AK Rural Local	82,993	0	0.0	1,760	2.1	0	0.0	1,760
	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	-2,282	-5.8	0	0.0	-2,282
	Nonresident	12,607	0	0.0	522	4.1	0	0.0	522
		-----							-----
		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 can 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 1998. Again, the changes between initial issuance and year-end 1998 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 1998, 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 1998. 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, from initial issuance through 1998, there were 380 transfers that resulted in QS being transferred away from the Alaska Rural Local category in Area 2C. These transfers involved 334 unique persons, and they moved 8,006,873 QS units away from the resident category. Over the same time period in Area 2C, there were 227 ARL persons who received 5,980,443 QS units in 376 separate transfers. The net result was that transfer activity by Alaska Rural Locals in Area 2C resulted in a net loss of 2,026,430 QS units.

Table 11-3a. Halibut QS Transfers From Initial Issuance Through Year-end 1998: 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	1998 Amount of QS	1998 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	15,115,701	25.4	380	8,006,873	27.6	376	5,980,443	20.6	-2,026,430	-11.3
	AK Rural Non-Loc	362,838	0.6	83,185	0.1	105	323,954	1.1	6	22,652	0.1	-301,302	-83.0
	AK Urban Local	29,974,773	50.3	34,505,238	57.9	568	11,939,543	41.2	795	16,758,471	57.8	4,818,928	16.1
	AK Urban Non-Loc	995,092	1.7	439,487	0.7	86	818,501	2.8	27	300,085	1.0	-518,416	-52.1
	Nonresident	10,293,932	17.3	9,407,646	15.8	374	7,924,542	27.3	309	5,951,762	20.5	-1,972,780	-19.2
		-----		-----		-----		-----		-----			
		59,559,390		59,551,257		1,513	29,013,413		1,513	29,013,413			
3A	AK Rural Local	14,928,786	8.1	16,678,369	9.0	231	6,821,774	8.0	247	8,336,294	9.8	1,514,520	10.1
	AK Rural Non-Loc	4,206,395	2.3	3,600,470	1.9	152	2,923,853	3.4	117	2,704,748	3.2	-219,105	-5.2
	AK Urban Local	79,834,467	43.1	74,704,948	40.4	806	39,430,799	46.3	786	33,819,221	39.7	-5,611,578	-7.0
	AK Urban Non-Loc	19,507,831	10.5	26,009,553	14.1	224	6,678,793	7.8	320	13,783,049	16.2	7,104,256	36.4
	Nonresident	66,843,449	36.1	63,730,136	34.5	528	29,264,843	34.4	471	26,476,750	31.1	-2,788,093	-4.2
		-----		-----		-----		-----		-----			
		185,320,928		184,723,476		1,941	85,120,062		1,941	85,120,062			
3B	AK Rural Local	5,563,706	10.3	4,690,136	8.7	65	2,411,645	9.6	49	1,759,351	7.0	-652,294	-11.7
	AK Rural Non-Loc	2,075,980	3.8	1,442,067	2.7	140	1,159,302	4.6	26	604,716	2.4	-554,586	-26.7
	AK Urban Non-Loc	20,372,737	37.6	20,328,852	37.8	339	12,238,852	48.6	421	13,488,258	53.6	1,249,406	6.1
	Nonresident	26,159,470	48.3	27,379,533	50.9	248	9,360,232	37.2	296	9,317,706	37.0	-42,526	-0.2
			-----		-----		-----		-----		-----		
		54,171,893		53,840,588		792	25,170,031		792	25,170,031			
4A	AK Rural Local	50,264	0.3	0	0.0	0	0	0.0	1	13,939	0.2	13,939	27.7
	AK Rural Non-Loc	907,184	6.2	283,313	2.0	106	911,312	11.1	24	278,582	3.4	-632,730	-69.7
	AK Urban Local	364,612	2.5	594,567	4.1	11	137,478	1.7	19	296,561	3.6	159,083	43.6
	AK Urban Non-Loc	5,743,871	39.5	6,243,233	43.0	170	4,154,438	50.8	226	4,811,429	58.8	656,991	11.4
	Nonresident	7,485,405	51.4	7,381,896	50.9	128	2,973,695	36.4	145	2,776,412	34.0	-197,283	-2.6
		-----		-----		-----		-----		-----			
		14,551,336		14,503,009		415	8,176,923		415	8,176,923			
4B	AK Rural Local	160,045	1.7	160,045	1.7	0	0	0.0	0	0	0.0	0	0.0
	AK Rural Non-Loc	207,969	2.2	439,949	4.7	3	145,943	4.5	4	377,923	11.7	231,980	111.5
	AK Urban Local	0	0.0	340	0.0	0	0	0.0	0	0	0.0	0	0.0
	AK Urban Non-Loc	2,874,719	30.9	2,673,346	28.8	29	1,119,881	34.8	34	1,038,003	32.2	-81,878	-2.8
	Nonresident	6,050,658	65.1	6,011,094	64.7	49	1,955,003	60.7	43	1,804,901	56.0	-150,102	-2.5
		-----		-----		-----		-----		-----			
		9,293,391		9,284,774		81	3,220,827		81	3,220,827			

(Continued)

Table 11-3a (con't). Halibut QS Transfers From Initial Issuance Through Year-end 1998: 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	1998 Amount of QS	1998 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	1,768,997	44.6	4	276,045	21.0	32	694,706	52.9	418,661	31.0
	AK Rural Non-Loc	23,170	0.6	23,170	0.6	0	0	0.0	0	0	0.0	0	0.0
	AK Urban Non-Loc	826,097	20.8	803,741	20.2	9	368,736	28.1	8	342,118	26.0	-26,618	-3.2
	Nonresident	1,769,583	44.6	1,373,278	34.6	36	668,693	50.9	9	276,650	21.1	-392,043	-22.2
		-----		-----		-----			-----				
		3,969,186		3,969,186		49	1,313,474		49	1,313,474			
4D	AK Rural Non-Loc	29,451	0.6	193,539	4.1	0	0	0.0	3	179,421	8.9	179,421	609.2
	AK Urban Non-Loc	592,232	12.4	779,174	16.4	15	358,119	17.7	14	572,410	28.3	214,291	36.2
	Nonresident	4,168,808	87.0	3,773,605	79.5	28	1,663,228	82.3	26	1,269,516	62.8	-393,712	-9.4
		-----		-----		-----			-----				
		4,790,491		4,746,318		43	2,021,347		43	2,021,347			
4E	AK Rural Local	82,993	59.3	84,753	60.5	0	0	0.0	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	0.0	0	0.0
	AK Urban Non-Loc	39,462	28.2	37,180	26.6	1	1,856	100.0	1	1,856	100.0	0	0.0
	Nonresident	12,607	9.0	13,129	9.4	0	0	0.0	0	0	0.0	0	0.0
		-----		-----		-----			-----				
		139,999		139,999		1	1,856		1	1,856			

Table 11-3b. Halibut QS Transfers From Initial Issuance Through Year-end 1998: 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	1998 Number of QS Holders	1998 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	499	29.6	380	334	25.7	376	227	27.3	-223	-30.9
	AK Rural Non-Loc	143	6.0	48	2.8	105	101	7.8	6	5	0.6	-95	-66.4
	AK Urban Local	986	41.3	803	47.7	568	486	37.3	795	423	50.8	-183	-18.6
	AK Urban Non-Loc	121	5.1	55	3.3	86	80	6.1	27	23	2.8	-66	-54.5
	Nonresident	417	17.5	280	16.6	374	301	23.1	309	155	18.6	-137	-32.9
		-----		-----		-----		-----		-----			
		2,389		1,685		1,513	1,302		1,513	833			
3A	AK Rural Local	482	15.7	357	15.9	231	218	13.3	247	149	13.6	-125	-25.9
	AK Rural Non-Loc	239	7.8	126	5.6	152	138	8.4	117	49	4.5	-113	-47.3
	AK Urban Local	1,378	44.8	1,017	45.3	806	676	41.3	786	455	41.7	-361	-26.2
	AK Urban Non-Loc	338	11.0	296	13.2	224	199	12.1	320	192	17.6	-42	-12.4
	Nonresident	636	20.7	451	20.1	528	407	24.8	471	247	22.6	-185	-29.1
		-----		-----		-----		-----		-----			
		3,073		2,247		1,941	1,638		1,941	1,092			
3B	AK Rural Local	127	12.0	88	13.2	65	61	9.0	49	32	8.7	-39	-30.7
	AK Rural Non-Loc	195	18.4	74	11.1	140	137	20.1	26	22	6.0	-121	-62.1
	AK Urban Non-Loc	458	43.3	311	46.5	339	292	42.9	421	198	53.7	-147	-32.1
	Nonresident	277	26.2	196	29.3	248	190	27.9	296	117	31.7	-81	-29.2
		-----		-----		-----		-----		-----			
		1,057		669		792	680		792	369			
4A	AK Rural Local	6	1.1	0	0.0	0	0	0.0	1	1	0.5	-6	-100.0
	AK Rural Non-Loc	170	32.0	86	24.0	106	101	29.4	24	17	8.7	-84	-49.4
	AK Urban Local	19	3.6	22	6.1	11	11	3.2	19	12	6.2	3	15.8
	AK Urban Non-Loc	181	34.1	139	38.7	170	143	41.6	226	105	53.8	-42	-23.2
	Nonresident	155	29.2	112	31.2	128	89	25.9	145	60	30.8	-43	-27.7
		-----		-----		-----		-----		-----			
		531		359		415	344		415	195			
4B	AK Rural Local	11	7.2	11	8.9	0	0	0.0	0	0	0.0	0	0.0
	AK Rural Non-Loc	5	3.3	4	3.2	3	3	4.2	4	2	3.5	-1	-20.0
	AK Urban Local	0	0.0	1	0.8	0	0	0.0	0	0	0.0	1	.
	AK Urban Non-Loc	64	41.8	52	41.9	29	28	39.4	34	26	45.6	-12	-18.8
	Nonresident	73	47.7	56	45.2	49	40	56.3	43	29	50.9	-17	-23.3
		-----		-----		-----		-----		-----			
		153		124		81	71		81	57			

(Continued)

Table 11-3b (con't). Halibut QS Transfers From Initial Issuance Through Year-end 1998: 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	1998 Number of QS Holders	1998 Pct. of Area QS Holders	Number of Transferors			Number of Recipients			Net Change in QS Holders	Net Percent Change in QS Holders
						Transfers From	Number of Transferors	Percent Transferors	Transfers To	Number of Recipients	Percent Recipients		
4C	AK Rural Local	31	38.8	34	47.2	4	2	8.3	32	18	56.3	3	9.7
	AK Rural Non-Loc	1	1.3	1	1.4	0	0	0.0	0	0	0.0	0	0.0
	AK Urban Non-Loc	16	20.0	11	15.3	9	9	37.5	8	7	21.9	-5	-31.3
	Nonresident	32	40.0	26	36.1	36	13	54.2	9	7	21.9	-6	-18.8
		-----		-----		-----		-----		-----			
		80		72		49	24		49	32			
4D	AK Rural Non-Loc	2	2.9	3	5.4	0	0	0.0	3	2	6.7	1	50.0
	AK Urban Non-Loc	20	29.4	15	26.8	15	14	36.8	14	9	30.0	-5	-25.0
	Nonresident	46	67.6	38	67.9	28	24	63.2	26	19	63.3	-8	-17.4
		-----		-----		-----		-----		-----			
		68		56		43	38		43	30			
4E	AK Rural Local	74	71.2	73	70.2	0	0	0.0	0	0	0.0	-1	-1.4
	AK Rural Non-Loc	5	4.8	5	4.8	0	0	0.0	0	0	0.0	0	0.0
	AK Urban Non-Loc	19	18.3	19	18.3	1	1	100.0	1	1	100.0	0	0.0
	Nonresident	6	5.8	7	6.7	0	0	0.0	0	0	0.0	1	16.7
		-----		-----		-----		-----		-----			
		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 1998, and over the entire four-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 1998, 53.2% (3,180,498 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 1998, 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
		1998	306,967	58.5	0	0.0	184,699	35.2	12,088	2.3	20,837	4.0	524,591	100.0
		All Years	3,180,498	53.2	137,255	2.3	1,653,657	27.7	187,797	3.1	821,236	13.7	5,980,443	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
		1998	464,542	20.5	1,626	0.1	1,440,430	63.6	43,159	1.9	314,961	13.9	2,264,718	100.0
		All Years	3,750,377	22.4	137,165	0.8	8,840,812	52.8	345,857	2.1	3,684,260	22.0	16,758,471	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
		1998	0	0.0	0	0.0	0	0.0	1,840	100.0	0	0.0	1,840	100.0
		All Years	42,922	14.3	0	0.0	67,602	22.5	54,245	18.1	135,316	45.1	300,085	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	
1998		47,736	5.9	6,030	0.7	162,706	20.1	8,384	1.0	586,286	72.3	811,142	100.0	
All Years		1,017,290	17.1	47,624	0.8	1,376,386	23.1	230,602	3.9	3,279,860	55.1	5,951,762	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
		1998	255,033	23.3	106,680	9.8	643,346	58.8	0	0.0	88,806	8.1	1,093,865	100.0
		All Years	1,891,514	22.7	525,551	6.3	3,806,299	45.7	130,230	1.6	1,982,700	23.8	8,336,294	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
		1998	0	0.0	7,226	1.5	0	0.0	9,535	2.0	459,297	96.5	476,058	100.0
		All Years	294,741	10.9	524,953	19.4	540,777	20.0	94,130	3.5	1,250,147	46.2	2,704,748	100.0

(Continued)

Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Halibut QS From Initial Issuance Through Year-end 1998, 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 (con't)	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	
		1998	123,908	2.4	466,027	9.0	3,694,608	71.1	490,873	9.4	422,227	8.1	5,197,643	100.0	
		All Years	1,586,574	4.7	1,054,900	3.1	24,864,096	73.5	1,018,227	3.0	5,295,424	15.7	33,819,221	100.0	
	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	
		1998	36,545	2.5	0	0.0	539,744	36.5	602,510	40.7	300,362	20.3	1,479,161	100.0	
		All Years	1,076,195	7.8	124,210	0.9	3,354,166	24.3	4,045,720	29.4	5,182,758	37.6	13,783,049	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	
		1998	73,010	2.3	15,465	0.5	582,002	18.6	304,710	9.7	2,153,070	68.8	3,128,257	100.0	
		All Years	1,972,750	7.5	694,239	2.6	6,865,461	25.9	1,390,486	5.3	15,553,814	58.7	26,476,750	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
1998			149,047	60.2	0	0.0	0	0.0	98,619	39.8	0	0.0	247,666	100.0	
All Years			1,041,385	59.2	0	0.0	0	0.0	415,955	23.6	302,011	17.2	1,759,351	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	
ARN		1998	0	0.0	3,588	6.3	0	0.0	15,018	26.4	38,311	67.3	56,917	100.0	
		All Years	46,210	7.6	92,722	15.3	0	0.0	225,775	37.3	240,009	39.7	604,716	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	
		1998	59,311	4.2	16,953	1.2	0	0.0	1,122,942	79.5	212,910	15.1	1,412,116	100.0	
		All Years	767,957	5.7	603,947	4.5	0	0.0	9,193,876	68.2	2,922,478	21.7	13,488,258	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	
		1998	0	0.0	8,020	0.6	0	0.0	238,402	17.5	1,114,240	81.9	1,360,662	100.0	
		All Years	556,093	6.0	462,633	5.0	0	0.0	2,403,246	25.8	5,895,734	63.3	9,317,706	100.0	

(Continued)

Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Halibut QS From Initial Issuance Through Year-end 1998, by Management Area

Area	QS Transferred To:		Pct. From ARLs		Pct. From ARNs		Pct. From AULs		Pct. From AUNs		Pct. From Nonres		Total QS Transferred To Res Type:	Row Percent
	Year													
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
		1998	0	0.0	0	0.0	0	0.0	23,675	100.0	0	0.0	23,675	100.0
		All Years	0	0.0	64,203	23.0	0	0.0	141,210	50.7	73,169	26.3	278,582	100.0
	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
		1998	0	0.0	34,571	5.8	0	0.0	464,293	78.2	94,788	16.0	593,652	100.0
		All Years	0	0.0	610,658	12.7	12,545	0.3	3,250,437	67.6	937,789	19.5	4,811,429	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
		1998	0	0.0	4,152	1.4	0	0.0	139,851	48.5	144,513	50.1	288,516	100.0
All Years		0	0.0	192,741	6.9	36,519	1.3	695,577	25.1	1,851,575	66.7	2,776,412	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
		1998	0	0.0	0	0.0	0	0.0	0	0.0	105,248	100.0	105,248	100.0
		All Years	0	0.0	0	0.0	0	0.0	216,492	57.3	161,431	42.7	377,923	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
		1998	0	0.0	0	0.0	0	0.0	123,641	33.9	241,591	66.1	365,232	100.0
		All Years	0	0.0	0	0.0	0	0.0	687,009	66.2	350,994	33.8	1,038,003	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
		1998	0	0.0	0	0.0	0	0.0	0	0.0	109,361	100.0	109,361	100.0
		All Years	0	0.0	145,943	8.1	0	0.0	216,380	12.0	1,442,578	79.9	1,804,901	100.0

(Continued)

Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Halibut QS From Initial Issuance Through Year-end 1998, by Management Area

Area	QS Transferred To:	Year	Pct.		Pct.		Pct.		Pct.		Pct.		Total QS Transferred To Res Type:	Row Percent	
			From ARLs	From ARLs	From ARNs	From ARNs	From AULs	From AULs	From AUNs	From AUNs	From Nonres	From Nonres			
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	
		1998	13,713	30.7	0	0.0	0	0.0	0	0.0	30,962	69.3	44,675	100.0	
		All Years	276,045	39.7	0	0.0	0	0.0	18,876	2.7	399,785	57.5	694,706	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	
		1998	0	0.0	0	0.0	0	0.0	44,370	57.7	32,465	42.3	76,835	100.0	
		All Years	0	0.0	0	0.0	0	0.0	309,653	90.5	32,465	9.5	342,118	100.0	
	N	1997	0	0.0	0	0.0	0	0.0	0	0.0	184,525	100.0	184,525	100.0	
		1998	0	0.0	0	0.0	0	0.0	40,207	43.6	51,918	56.4	92,125	100.0	
		All Years	0	0.0	0	0.0	0	0.0	40,207	14.5	236,443	85.5	276,650	100.0	
	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	
		1998	0	0.0	0	0.0	0	0.0	38,125	34.4	72,650	65.6	110,775	100.0	
		All Years	0	0.0	0	0.0	0	0.0	273,078	47.7	299,332	52.3	572,410	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	
		1998	0	0.0	0	0.0	0	0.0	59,245	27.9	153,152	72.1	212,397	100.0	
		All Years	0	0.0	0	0.0	0	0.0	85,041	6.7	1,184,475	93.3	1,269,516	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 1998, by Management Area

Area	Transfers To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total Transfers To Res Type:	Row Pct.
			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	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
		1998	23	59.0	0	0.0	6	15.4	1	2.6	9	23.1	39	100.0
		All Years	182	48.4	49	13.0	70	18.6	13	3.5	62	16.5	376	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
		1998	22	17.5	2	1.6	79	62.7	5	4.0	18	14.3	126	100.0
		All Years	151	19.0	37	4.7	435	54.7	37	4.7	135	17.0	795	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
		1998	0	0.0	0	0.0	0	0.0	2	100.0	0	0.0	2	100.0
		All Years	5	18.5	0	0.0	5	18.5	9	33.3	8	29.6	27	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	
1998		4	8.3	6	12.5	5	10.4	8	16.7	25	52.1	48	100.0	
All Years		39	12.6	18	5.8	57	18.4	27	8.7	168	54.4	309	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
		1998	17	45.9	1	2.7	15	40.5	0	0.0	4	10.8	37	100.0
		All Years	89	36.0	6	2.4	101	40.9	9	3.6	42	17.0	247	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
		1998	0	0.0	2	33.3	0	0.0	1	16.7	3	50.0	6	100.0
		All Years	7	6.0	59	50.4	16	13.7	7	6.0	28	23.9	117	100.0

(Continued)

Table 11-4b (con't). Intra-cohort and Cross-cohort Transfers From Initial Issuance Through Year-end 1998, by Management Area

Area	Transfers To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total Transfers To Res Type:	Row Pct.
			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	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
		1998	6	4.8	7	5.6	94	75.8	6	4.8	11	8.9	124	100.0
		All Years	75	9.5	44	5.6	513	65.3	27	3.4	127	16.2	786	100.0
	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
		1998	3	6.5	0	0.0	8	17.4	25	54.3	10	21.7	46	100.0
		All Years	21	6.6	10	3.1	61	19.1	144	45.0	84	26.3	320	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
		1998	3	4.3	6	8.6	14	20.0	9	12.9	38	54.3	70	100.0
		All Years	39	8.3	33	7.0	115	24.4	37	7.9	247	52.4	471	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
		1998	3	50.0	0	0.0	0	0.0	3	50.0	0	0.0	6	100.0
		All Years	27	55.1	0	0.0	0	0.0	15	30.6	7	14.3	49	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
		1998	0	0.0	1	33.3	0	0.0	1	33.3	1	33.3	3	100.0
		All Years	1	3.8	7	26.9	0	0.0	7	26.9	11	42.3	26	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
		1998	2	4.2	4	8.3	0	0.0	36	75.0	6	12.5	48	100.0
		All Years	18	4.3	63	15.0	0	0.0	242	57.5	98	23.3	421	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	
	1998	0	0.0	9	19.6	0	0.0	11	23.9	26	56.5	46	100.0	
	All Years	19	6.4	70	23.6	0	0.0	75	25.3	132	44.6	296	100.0	

(Continued)

Table 11-4b (con't). Intra-cohort and Cross-cohort Transfers From Initial Issuance Through Year-end 1998, by Management Area

Area	Transfers To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total Transfers To Res Type:	Row Pct.
			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		
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
		1998	0	0.0	0	0.0	0	0.0	2	100.0	0	0.0	2	100.0
		All Years	0	0.0	6	25.0	0	0.0	10	41.7	8	33.3	24	100.0
	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
		1998	0	0.0	6	18.8	0	0.0	22	68.8	4	12.5	32	100.0
		All Years	0	0.0	33	14.6	2	0.9	125	55.3	66	29.2	226	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
		1998	0	0.0	8	33.3	0	0.0	5	20.8	11	45.8	24	100.0
All Years		0	0.0	61	42.1	1	0.7	31	21.4	52	35.9	145	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
		1998	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
		All Years	0	0.0	0	0.0	0	0.0	2	50.0	2	50.0	4	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
		1998	0	0.0	0	0.0	0	0.0	4	33.3	8	66.7	12	100.0
		All Years	0	0.0	0	0.0	0	0.0	20	58.8	14	41.2	34	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
		1998	0	0.0	0	0.0	0	0.0	0	0.0	4	100.0	4	100.0
		All Years	0	0.0	3	7.0	0	0.0	7	16.3	33	76.7	43	100.0

(Continued)

Table 11-4b (con't). Intra-cohort and Cross-cohort Transfers From Initial Issuance Through Year-end 1998, by Management Area

Area	Transfers To:	Year	From ARLs		From ARNs		From AULs		From AUNs		From Nonres		Total Transfers To Res Type:	Row Pct.
			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		
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
		1998	1	50.0	0	0.0	0	0.0	0	0.0	1	50.0	2	100.0
		All Years	4	12.5	0	0.0	0	0.0	1	3.1	27	84.4	32	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
		1998	0	0.0	0	0.0	0	0.0	1	50.0	1	50.0	2	100.0
		All Years	0	0.0	0	0.0	0	0.0	7	87.5	1	12.5	8	100.0
	Nonresident	1997	0	0.0	0	0.0	0	0.0	0	0.0	5	100.0	5	100.0
		1998	0	0.0	0	0.0	0	0.0	1	25.0	3	75.0	4	100.0
		All Years	0	0.0	0	0.0	0	0.0	1	11.1	8	88.9	9	100.0
	4D	AK Rural Non-Loc	1997	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0	3
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
		1998	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	0	0.0	10	71.4	4	28.6	14	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
		1998	0	0.0	0	0.0	0	0.0	3	33.3	6	66.7	9	100.0
		All Years	0	0.0	0	0.0	0	0.0	5	19.2	21	80.8	26	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