

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

The initial distribution of QS and the way the QS distribution changes over time are topics of interest for those who have been concerned about the potential consequences of the new IFQ program. The previous chapter examined this topic by breaking out QS holders based upon the state where they reside. This section examines the topic using five resident types that were originally developed by Langdon to study permit holdings under Alaska's limited entry program. These resident types have since been used by the Commercial Fisheries Entry Commission to monitor distributional changes under the program.⁶⁸ They are defined as follows:

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

The decision rules for designating rural/urban and local/nonlocal classifications are described in Appendix I. Essentially, the rural/urban distinction is based on a population of 2,500 or more persons as of the 1990 census. Some communities with populations less than 2,500 are classified as urban because they lie on a road system and are within a certain radius of an urban center. For instance, Auke Bay has a small population, but is designated as urban because it is situated on a road system and is within 20 miles of Juneau.

⁶⁸Langdon, S., *Transfer Patterns In Alaskan Limited Fisheries*, January 17, 1980 and Tingley, A. and Dinneford, E., *Changes In The Distribution Of Alaska's Limited Entry Permits 1975-1998*, July 1998.

11.1 Initial and Year-end 1998 Allocations

Table 11-1a provides the initial distribution and year-end 1998 distribution of sablefish QS by area and resident type. It also shows the initial and year-end percentages of the area's

QS held by each resident type, and the change in QS held by resident types.⁶⁹

As was shown in Chapter 10, nonresidents hold large amounts of sablefish QS. They were initially issued the majority of QS in all areas except Southeast, and at the end of 1998, continued to hold the majority of QS.

Among Alaska residents, persons who fell into the urban, non-local category held the highest percentage of sablefish QS in the West Yakutat, Western Gulf, Bering Sea, and Aleutian Islands areas. In the Southeast area, Alaska Urban Locals held the highest percentage of QS. In the Central Gulf, QS held by Alaskans was highest at initial issuance in the urban non-local category, but by the end of 1998, the highest percentage was held by Alaskan Urban Locals.

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

The number of QS holders declined and the average QS holdings increased in most of the area and resident type combinations. This again indicates that some consolidation of QS holdings has occurred after initial allocation. Nonresidents and Alaska Urban Nonlocals made up the majority of the persons who were issued QS and who held QS at the end of 1998, in all areas except Southeast.

⁶⁹Note that the total number of initial QS recipients in the tables in this chapter may be greater than the number of unique QS recipients for the area, as shown elsewhere in this report. This is because some persons received separate initial QS allocations in separate years from 1995 to 1998, and had different addresses and were classified into different resident-types at different points 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
Southeast	AK Rural Local	9,487,259	7,138,093	14.3	10.8	-2,349,166	-24.8
	AK Rural Non-Loc	147,424	382	0.2	0.0	-147,042	-99.7
	AK Urban Local	30,214,860	32,218,041	45.5	48.8	2,003,181	6.6
	AK Urban Non-Loc	2,891,052	1,587,564	4.3	2.4	-1,303,488	-45.1
	Nonresident	23,734,199	25,023,768	35.7	37.9	1,289,569	5.4
			66,474,794	65,967,848			-506,946
W. Yakutat	AK Rural Local	1,024,288	779,869	1.9	1.5	-244,419	-23.9
	AK Rural Non-Loc	1,276,179	547,026	2.4	1.0	-729,153	-57.1
	AK Urban Local	7,928	0	0.0	0.0	-7,928	-100.0
	AK Urban Non-Loc	16,186,224	16,601,387	30.3	31.2	415,163	2.6
	Nonresident	34,938,242	35,278,943	65.4	66.3	340,701	1.0
			53,432,861	53,207,225			-225,636
C. Gulf	AK Rural Local	2,660,815	3,881,434	2.4	3.5	1,220,619	45.9
	AK Rural Non-Loc	1,530,000	1,668,796	1.4	1.5	138,796	9.1
	AK Urban Local	18,991,744	22,530,822	17.0	20.3	3,539,078	18.6
	AK Urban Non-Loc	20,239,918	21,800,488	18.2	19.6	1,560,570	7.7
	Nonresident	68,055,072	61,150,883	61.0	55.1	-6,904,189	-10.1
			111,477,549	111,032,423			-445,126
W. Gulf	AK Rural Local	1,301,812	254,641	3.6	0.7	-1,047,171	-80.4
	AK Rural Non-Loc	393,081	664,964	1.1	1.8	271,883	69.2
	AK Urban Local	20,784	688	0.1	0.0	-20,096	-96.7
	AK Urban Non-Loc	6,807,785	7,406,667	18.9	20.6	598,882	8.8
	Nonresident	27,562,419	27,624,052	76.4	76.8	61,633	0.2
			36,085,881	35,951,012			-134,869
Bering Sea	AK Rural Local	197	360,448	0.0	1.9	360,251	182869
	AK Rural Non-Loc	364,906	354,710	2.0	1.9	-10,196	-2.8
	AK Urban Local	700	540	0.0	0.0	-160	-22.9
	AK Urban Non-Loc	6,724,423	7,006,200	36.1	37.7	281,777	4.2
	Nonresident	11,514,928	10,865,578	61.9	58.5	-649,350	-5.6
			18,605,154	18,587,476			-17,678
Aleutians	AK Rural Local	0	257,848	0.0	0.8	257,848	n.d.
	AK Rural Non-Loc	109,993	1,357,611	0.3	4.3	1,247,618	1134.3
	AK Urban Non-Loc	7,002,632	7,399,786	22.2	23.5	397,154	5.7
	Nonresident	24,405,551	22,502,931	77.4	71.4	-1,902,620	-7.8
			31,518,176	31,518,176			0

Note: n.d. means not defined

Table 11-1b. Initial Allocation and Year-end 1998 QS Holders by 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
Southeast	AK Rural Local	118	68	16.5	13.0	-50	-42.4	80,401	104,972	24,571	30.6
	AK Rural Non-Loc	13	3	1.8	0.6	-10	-76.9	11,340	127	-11,213	-98.9
	AK Urban Local	278	220	38.9	41.9	-58	-20.9	108,687	146,446	37,759	34.7
	AK Urban Non-Loc	58	38	8.1	7.2	-20	-34.5	49,846	41,778	-8,068	-16.2
	Nonresident	247	196	34.6	37.3	-51	-20.6	96,090	127,672	31,582	32.9
		-----	-----								
		714	525								
W. Yakutat	AK Rural Local	12	6	2.6	1.8	-6	-50.0	85,357	129,978	44,621	52.3
	AK Rural Non-Loc	47	27	10.3	7.9	-20	-42.6	27,153	20,260	-6,893	-25.4
	AK Urban Local	1	0	0.2	0.0	-1	-100.0	7,928	0	-7,928	-100.0
	AK Urban Non-Loc	190	154	41.8	45.2	-36	-18.9	85,191	107,801	22,610	26.5
	Nonresident	205	154	45.1	45.2	-51	-24.9	170,430	229,084	58,654	34.4
		-----	-----								
		455	341								
C. Gulf	AK Rural Local	38	36	5.9	7.5	-2	-5.3	70,021	107,818	37,797	54.0
	AK Rural Non-Loc	35	13	5.4	2.7	-22	-62.9	43,714	128,369	84,655	193.7
	AK Urban Local	224	190	34.8	39.7	-34	-15.2	84,785	118,583	33,798	39.9
	AK Urban Non-Loc	99	68	15.4	14.2	-31	-31.3	204,444	320,595	116,151	56.8
	Nonresident	247	172	38.4	35.9	-75	-30.4	275,527	355,528	80,001	29.0
		-----	-----								
		643	479								
W. Gulf	AK Rural Local	17	5	7.3	2.7	-12	-70.6	76,577	50,928	-25,649	-33.5
	AK Rural Non-Loc	10	9	4.3	4.8	-1	-10.0	39,308	73,885	34,577	88.0
	AK Urban Local	5	3	2.2	1.6	-2	-40.0	4,157	229	-3,928	-94.5
	AK Urban Non-Loc	75	70	32.3	37.4	-5	-6.7	90,770	105,810	15,040	16.6
	Nonresident	125	100	53.9	53.5	-25	-20.0	220,499	276,241	55,742	25.3
		-----	-----								
		232	187								
Bering Sea	AK Rural Local	1	1	0.7	0.8	0	0.0	197	360,448	360,251	182,869
	AK Rural Non-Loc	11	9	7.6	7.0	-2	-18.2	33,173	39,412	6,239	18.8
	AK Urban Local	2	2	1.4	1.6	0	0.0	350	270	-80	-22.9
	AK Urban Non-Loc	48	47	33.3	36.7	-1	-2.1	140,092	149,068	8,976	6.4
	Nonresident	82	69	56.9	53.9	-13	-15.9	140,426	157,472	17,046	12.1
		-----	-----								
		144	128								

(Continued)

Table 11-1b (con't). Initial Allocation and Year-end 1998 QS Holders by 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
Aleutians	AK Rural Local	0	1	0.0	0.8	1	n.d.	0	257,848	257,848	n.d.
	AK Rural Non-Loc	4	6	2.9	5.0	2	50.0	27,498	226,269	198,771	722.9
	AK Urban Non-Loc	45	37	33.1	31.1	-8	-17.8	155,614	199,994	44,380	28.5
	Nonresident	87	75	64.0	63.0	-12	-13.8	280,524	300,039	19,515	7.0
		-----	-----								
		136	119								

Note: n.d means not defined

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 change their place of residence (migration); or QS may be revoked. The previous section showed the extent to which QS has changed between five resident types from initial issuance through the end of 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 in the QS held by each resident type at the end of 1998. The other columns in Table 11-2 provide detail on the three actions that make the change: the net result of transfers, migrations, and revocations.

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

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

Table 11-2 indicates that both transfers and migrations contributed to substantial net QS changes between resident types. For example, Alaska Rural Locals in the West Yakutat area show a total net decline of 244,419 QS units, all of which was due to transfer activity. Alaska Rural Local persons also show a total net decline of QS in the Southeast area; however, the decline in this area was split between losses due to transfers (995,686 units) and losses due to migrations (1,353,480 units). In the Central Gulf, ARLs show a total net gain of QS. Most (1,144,080 of 1,220,619) of the QS gained in the Central Gulf by ARLs was through migration.

Table 11-2. Net Result of Sablefish QS Transfers, Migrations, and Revocations From Initial Issuance Through Year-end 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
Southeast	AK Rural Local	9,487,259	-995,686	-10.5	-1,353,480	-14.3	0	0.0	-2,349,166
	AK Rural Non-Loc	147,424	-91,745	-62.2	-38,461	-26.1	-16,836	-11.4	-147,042
	AK Urban Local	30,214,860	2,003,848	6.6	82,732	0.3	-83,399	-0.3	2,003,181
	AK Urban Non-Loc	2,891,052	-726,692	-25.1	-545,511	-18.9	-31,285	-1.1	-1,303,488
	Nonresident	23,734,199	-189,725	-0.8	1,854,720	7.8	-375,426	-1.6	1,289,569
		-----							-----
		66,474,794							-506,946
W. Yakutat	AK Rural Local	1,024,288	-244,419	-23.9	0	0.0	0	0.0	-244,419
	AK Rural Non-Loc	1,276,179	-841,486	-65.9	112,333	8.8	0	0.0	-729,153
	AK Urban Local	7,928	-7,928	-100.0	0	0.0	0	0.0	-7,928
	AK Urban Non-Loc	16,186,224	1,497,085	9.2	-1,066,851	-6.6	-15,071	-0.1	415,163
	Nonresident	34,938,242	-403,252	-1.2	954,518	2.7	-210,565	-0.6	340,701
		-----							-----
		53,432,861							-225,636
C. Gulf	AK Rural Local	2,660,815	76,539	2.9	1,144,080	43.0	0	0.0	1,220,619
	AK Rural Non-Loc	1,530,000	37,551	2.5	101,245	6.6	0	0.0	138,796
	AK Urban Local	18,991,744	2,389,323	12.6	1,204,454	6.3	-54,699	-0.3	3,539,078
	AK Urban Non-Loc	20,239,918	990,325	4.9	576,152	2.8	-5,907	0.0	1,560,570
	Nonresident	68,055,072	-3,493,738	-5.1	-3,025,931	-4.4	-384,520	-0.6	-6,904,189
		-----							-----
		111,477,549							-445,126
W. Gulf	AK Rural Local	1,301,812	-1,047,167	-80.4	-4	0.0	0	0.0	-1,047,171
	AK Rural Non-Loc	393,081	268,138	68.2	13,782	3.5	-10,037	-2.6	271,883
	AK Urban Local	20,784	-20,100	-96.7	4	0.0	0	0.0	-20,096
	AK Urban Non-Loc	6,807,785	901,820	13.2	-302,938	-4.4	0	0.0	598,882
	Nonresident	27,562,419	-102,691	-0.4	289,156	1.0	-124,832	-0.5	61,633
		-----							-----
		36,085,881							-134,869
Bering Sea	AK Rural Local	197	360,448	182,969	-197	-100.0	0	0.0	360,251
	AK Rural Non-Loc	364,906	-7,388	-2.0	-2,808	-0.8	0	0.0	-10,196
	AK Urban Local	700	-357	-51.0	197	28.1	0	0.0	-160
	AK Urban Non-Loc	6,724,423	451,514	6.7	-169,737	-2.5	0	0.0	281,777
	Nonresident	11,514,928	-804,217	-7.0	172,545	1.5	-17,678	-0.2	-649,350
		-----							-----
		18,605,154							-17,678

(Continued)

Table 11-2 (con't). Net Result of Sablefish 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
Aleutians	AK Rural Local	0	257,848	n.d.	0	n.d.	0	n.d.	257,848
	AK Rural Non-Loc	109,993	1,587,314	1443.1	-339,696	-308.8	0	0.0	1,247,618
	AK Urban Non-Loc	7,002,632	580,836	8.3	-183,682	-2.6	0	0.0	397,154
	Nonresident	24,405,551	-2,425,998	-9.9	523,378	2.1	0	0.0	-1,902,620
		----- 31,518,176							----- 0

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

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

Table 11-3a shows again how much QS was issued to each resident category in each management area. It also shows how much QS was held by those persons at the end of 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 resulted in a shift of QS away from persons in each resident category. It also shows the quantity of QS associated with those “transfers from” transactions. Likewise, the table shows the number of transfers and the amount of QS that was “transferred to” persons in each resident category. Finally, the last columns of the table show the net result of these from-to transactions.

Table 11-3b indicates the number of QS holders in each resident category at initial issuance and at year-end 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, the net gain of 2,003,848 QS units to Alaska Urban Locals in the Southeast area involved the transfer of 7,464,099 QS away from this resident type and the transfer of 9,467,947 QS units to them.

Table 11-3a. Sablefish 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	Pct. of Initial Issuance
Southeast	AK Rural Local	9,487,259	14.3	7,138,093	10.8	64	2,403,197	11.9	48	1,407,511	7.0	-995,686	-10.5
	AK Rural Non-Loc	147,424	0.2	382	0.0	9	130,224	0.6	2	38,479	0.2	-91,745	-62.2
	AK Urban Local	30,214,860	45.5	32,218,041	48.8	172	7,464,099	36.9	209	9,467,947	46.9	2,003,848	6.6
	AK Urban Non-Loc	2,891,052	4.3	1,587,564	2.4	41	1,141,817	5.7	18	415,125	2.1	-726,692	-25.1
	Nonresident	23,734,199	35.7	25,023,768	37.9	205	9,061,419	44.9	214	8,871,694	43.9	-189,725	-0.8
		66,474,794		65,967,848		491	20,200,756		491	20,200,756			
W. Yakutat	AK Rural Local	1,024,288	1.9	779,869	1.5	8	334,755	2.5	4	90,336	0.7	-244,419	-23.9
	AK Rural Non-Loc	1,276,179	2.4	547,026	1.0	28	1,063,435	7.9	12	221,949	1.7	-841,486	-65.9
	AK Urban Local	7,928	0.0	0	0.0	1	7,928	0.1	0	0	0.0	-7,928	-100.0
	AK Urban Non-Loc	16,186,224	30.3	16,601,387	31.2	120	4,307,474	32.2	133	5,804,559	43.4	1,497,085	9.2
	Nonresident	34,938,242	65.4	35,278,943	66.3	145	7,673,984	57.3	153	7,270,732	54.3	-403,252	-1.2
		53,432,861		53,207,225		302	13,387,576		302	13,387,576			
C. Gulf	AK Rural Local	2,660,815	2.4	3,881,434	3.5	16	670,183	2.0	17	746,722	2.2	76,539	2.9
	AK Rural Non-Loc	1,530,000	1.4	1,668,796	1.5	27	1,405,874	-2	13	1,443,425	4.3	37,551	2.5
	AK Urban Local	18,991,744	17.0	22,530,822	20.3	118	6,424,829	19.3	130	8,814,152	26.5	2,389,323	12.6
	AK Urban Non-Loc	20,239,918	18.2	21,800,488	19.6	71	5,274,034	15.9	77	6,264,359	18.9	990,325	4.9
	Nonresident	68,055,072	61.0	61,150,883	55.1	194	19,454,789	58.5	189	15,961,051	48.0	-3,493,738	-5.1
		111,477,549		111,032,423		426	33,229,709		426	33,229,709			
W. Gulf	AK Rural Local	1,301,812	3.6	254,641	0.7	13	1,210,638	12.1	2	163,471	1.6	-1,047,167	-80.4
	AK Rural Non-Loc	393,081	1.1	664,964	1.8	6	329,843	3.3	9	597,981	6.0	268,138	68.2
	AK Urban Local	20,784	0.1	688	0.0	4	20,301	0.2	1	201	0.0	-20,100	-96.7
	AK Urban Non-Loc	6,807,785	18.9	7,406,667	20.6	41	2,696,645	27.0	51	3,598,465	36.0	901,820	13.2
	Nonresident	27,562,419	76.4	27,624,052	76.8	66	5,728,404	57.4	67	5,625,713	56.3	-102,691	-0.4
		36,085,881		35,951,012		130	9,985,831		130	9,985,831			
Bering Sea	AK Rural Local	197	0.0	360,448	1.9	0	0	0.0	2	360,448	5.9	360,448	182,969
	AK Rural Non-Loc	364,906	2.0	354,710	1.9	1	7,388	0.1	0	0	0.0	-7,388	-2.0
	AK Urban Local	700	0.0	540	0.0	1	357	0.0	0	0	0.0	-357	-51.0
	AK Urban Non-Loc	6,724,423	36.1	7,006,200	37.7	10	1,317,965	21.5	12	1,769,479	28.8	451,514	6.7
	Nonresident	11,514,928	61.9	10,865,578	58.5	27	4,818,601	78.4	25	4,014,384	65.3	-804,217	-7.0
		18,605,154		18,587,476		39	6,144,311		39	6,144,311			

(Continued)

Table 11-3a (con't). Sablefish 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	Pct. of Initial Issuance
Aleutians	AK Rural Local	0	0.0	257,848	0.8	0	0	0.0	1	257,848	2.2	257,848	n.d.
	AK Rural Non-Loc	109,993	0.3	1,357,611	4.3	0	0	0.0	5	1,587,314	13.6	1,587,314	1443.1
	AK Urban Non-Loc	7,002,632	22.2	7,399,786	23.5	22	1,324,018	11.4	20	1,904,854	16.4	580,836	8.3
	Nonresident	24,405,551	77.4	22,502,931	71.4	39	10,326,267	88.6	35	7,900,269	67.8	-2,425,998	-9.9
		-----		-----		-----	-----		-----	-----			
		31,518,176		31,518,176		61	11,650,285		61	11,650,285			

Table 11-3b. Sablefish 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	Change in QS Holders	Percent Change in QS Holders
Southeast	AK Rural Local	118	16.5	68	13.0	64	55	13.8	48	25	9.4	-50	-42.4
	AK Rural Non-Loc	13	1.8	3	0.6	9	9	2.3	2	1	0.4	-10	-76.9
	AK Urban Local	278	38.9	220	41.9	172	151	37.9	209	131	49.1	-58	-20.9
	AK Urban Non-Loc	58	8.1	38	7.2	41	34	8.5	18	11	4.1	-20	-34.5
	Nonresident	247	34.6	196	37.3	205	149	37.4	214	99	37.1	-51	-20.6
		714		525		491	398		491	267			
W. Yakutat	AK Rural Local	12	2.6	6	1.8	8	8	3.3	4	3	1.7	-6	-50.0
	AK Rural Non-Loc	47	10.3	27	7.9	28	26	10.7	12	10	5.7	-20	-42.6
	AK Urban Local	1	0.2	0	0.0	1	1	0.4	0	0	0.0	-1	-100.0
	AK Urban Non-Loc	190	41.8	154	45.2	120	102	42.1	133	90	51.1	-36	-18.9
	Nonresident	205	45.1	154	45.2	145	105	43.4	153	73	41.5	-51	-24.9
		455		341		302	242		302	176			
C. Gulf	AK Rural Local	38	5.9	36	7.5	16	16	4.9	17	14	5.8	-2	-5.3
	AK Rural Non-Loc	35	5.4	13	2.7	27	24	7.3	13	9	3.7	-22	-62.9
	AK Urban Local	224	34.8	190	39.7	118	97	29.6	130	92	37.9	-34	-15.2
	AK Urban Non-Loc	99	15.4	68	14.2	71	62	18.9	77	43	17.7	-31	-31.3
	Nonresident	247	38.4	172	35.9	194	129	39.3	189	85	35.0	-75	-30.4
		643		479		426	328		426	243			
W. Gulf	AK Rural Local	17	7.3	5	2.7	13	12	10.8	2	1	1.2	-12	-70.6
	AK Rural Non-Loc	10	4.3	9	4.8	6	6	5.4	9	5	5.9	-1	-10.0
	AK Urban Local	5	2.2	3	1.6	4	4	3.6	1	1	1.2	-2	-40.0
	AK Urban Non-Loc	75	32.3	70	37.4	41	-5	31.5	51	34	40.0	-5	-6.7
	Nonresident	125	53.9	100	53.5	66	54	48.6	67	44	51.8	-25	-20.0
		232		187		130	111		130	85			
Bering Sea	AK Rural Local	1	0.7	1	0.8	0	0	0.0	2	1	3.1	0	0.0
	AK Rural Non-Loc	11	7.6	9	7.0	1	1	2.7	0	0	0.0	-2	-18.2
	AK Urban Local	2	1.4	2	1.6	1	1	2.7	0	0	0.0	0	0.0
	AK Urban Non-Loc	48	33.3	47	36.7	10	10	27.0	12	11	34.4	-1	-2.1
	Nonresident	82	56.9	69	53.9	27	25	67.6	25	20	62.5	-13	-15.9
		144		128		39	37		39	32			

(Continued)

Table 11-3b (con't). Sablefish 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	Change in QS Holders	Percent Change in QS Holders
Aleutians	AK Rural Local	0	0.0	1	0.8	0	0	0.0	1	1	2.1	1	n.d.
	AK Rural Non-Loc	4	2.9	6	5.0	0	0	0.0	5	4	8.3	2	50.0
	AK Urban Non-Loc	45	33.1	37	31.1	22	20	35.7	20	15	31.3	-8	-17.8
	Nonresident	87	64.0	75	63.0	39	36	64.3	35	28	58.3	-12	-13.8
		----- 136		----- 119		----- 61	----- 56		----- 61	----- 48			

11.4 Intra-cohort and Cross-cohort Transfers

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

Table 11-4a allows one to compare intra-cohort and cross-cohort QS transfer rates from 1995 to 1998, and also over the entire four-year time period. For example, in Southeast in 1995, persons in the Alaska Rural Local category received 60.4% (325,940 QS units) of the QS transferred to them from other ARLs. This compares to 18.2% (99,269 QS units) in 1996. Over the entire time period from initial issuance through year-end 1998, 38.5% (542,509 QS units) of the QS received by ARLs came in intra-cohort transfers. The remainder of the QS received by ARLs came through cross-cohort transfers.

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

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

**Table 11-4a. Intra-cohort and Cross-cohort Transfers of Sablefish QS From Initial Issuance Through Year-end 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			
Southeast	ARL	1995	325,940	60.4	0	0.0	54,577	10.1	0	0.0	159,035	29.5	539,552	100.0	
		1996	99,269	18.2	3,671	0.7	17,005	3.1	65,356	12.0	359,993	66.0	545,294	100.0	
		1997	48,583	19.1	0	0.0	133,080	52.4	0	0.0	72,285	28.5	253,948	100.0	
		1998	68,717	100.0	0	0.0	0	0.0	0	0.0	0	0.0	68,717	100.0	
		All Years	542,509	38.5	3,671	0.3	204,662	14.5	65,356	4.6	591,313	42.0	1,407,511	100.0	
	ARN	1996	0	0.0	0	0.0	0	0.0	0	0.0	38,479	100.0	38,479	100.0	
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	38,479	100.0	38,479	100.0	
	AUL	1995	381,929	13.7	82,862	3.0	1,243,653	44.6	268,571	9.6	811,964	29.1	2,788,979	100.0	
		1996	326,876	10.6	0	0.0	1,819,001	59.2	130,553	4.2	797,896	26.0	3,074,326	100.0	
		1997	137,191	7.2	9,743	0.5	1,297,247	68.2	0	0.0	458,313	24.1	1,902,494	100.0	
		1998	114,883	6.7	0	0.0	833,251	49.0	0	0.0	754,014	44.3	1,702,148	100.0	
		All Years	960,879	10.1	92,605	1.0	5,193,152	54.8	399,124	4.2	2,822,187	29.8	9,467,947	100.0	
	AUN	1995	0	0.0	0	0.0	4,698	1.4	310,024	94.4	13,582	4.1	328,304	100.0	
		1996	0	0.0	0	0.0	0	0.0	21,344	76.1	6,703	23.9	28,047	100.0	
		1997	0	0.0	0	0.0	0	0.0	24,895	99.8	58	0.2	24,953	100.0	
		1998	0	0.0	0	0.0	33,821	100.0	0	0.0	0	0.0	33,821	100.0	
		All Years	0	0.0	0	0.0	38,519	9.3	356,263	85.8	20,343	4.9	415,125	100.0	
	N	1995	176,616	7.9	3,851	0.2	155,164	6.9	6,938	0.3	1,898,416	84.7	2,240,985	100.0	
		1996	184,049	8.8	0	0.0	369,045	17.6	220,096	10.5	1,325,061	63.2	2,098,251	100.0	
		1997	83,066	2.8	28,370	1.0	1,215,342	41.4	84,291	2.9	1,522,849	51.9	2,933,918	100.0	
		1998	456,078	28.5	1,727	0.1	288,215	18.0	9,749	0.6	842,771	52.7	1,598,540	100.0	
		All Years	899,809	10.1	33,948	0.4	2,027,766	22.9	321,074	3.6	5,589,097	63.0	8,871,694	100.0	
	W. Yakutat	ARL	1995	14,757	69.2	0	0.0	0	0.0	0	0.0	6,579	30.8	21,336	100.0
			1996	0	0.0	0	0.0	0	0.0	16,749	100.0	0	0.0	16,749	100.0
1997			0	0.0	0	0.0	0	0.0	0	0.0	52,251	100.0	52,251	100.0	
All Years			14,757	16.3	0	0.0	0	0.0	16,749	18.5	58,830	65.1	90,336	100.0	
ARN		1995	0	0.0	18,037	23.0	0	0.0	11,871	15.1	48,461	61.8	78,369	100.0	
		1996	0	0.0	45,175	88.9	0	0.0	5,633	11.1	0	0.0	50,808	100.0	
		1997	52,251	56.3	21,024	22.7	0	0.0	0	0.0	19,497	21.0	92,772	100.0	
		All Years	52,251	23.5	84,236	38.0	0	0.0	17,504	7.9	67,958	30.6	221,949	100.0	

(Continued)

Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Sablefish 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		
W. Yakutat	AUN	1995	0	0.0	126,372	7.8	0	0.0	1,036,451	63.7	465,227	28.6	1,628,050	100.0
		1996	104,332	4.5	189,804	8.1	0	0.0	878,160	37.6	1,163,617	49.8	2,335,913	100.0
		1997	0	0.0	123,483	9.1	0	0.0	854,612	63.0	377,502	27.8	1,355,597	100.0
		1998	0	0.0	0	0.0	0	0.0	81,214	16.7	403,785	83.3	484,999	100.0
		All Years	104,332	1.8	439,659	7.6	0	0.0	2,850,437	49.1	2,410,131	41.5	5,804,559	100.0
	N	1995	122,220	7.9	334,226	21.6	0	0.0	163,709	10.6	930,560	60.0	1,550,715	100.0
		1996	0	0.0	117,367	8.1	7,928	0.5	256,694	17.7	1,065,951	73.6	1,447,940	100.0
		1997	41,195	1.6	86,531	3.3	0	0.0	526,410	19.9	1,989,225	75.3	2,643,361	100.0
		1998	0	0.0	1,416	0.1	0	0.0	475,971	29.2	1,151,329	70.7	1,628,716	100.0
		All Years	163,415	2.2	539,540	7.4	7,928	0.1	1,422,784	19.6	5,137,065	70.7	7,270,732	100.0
C. Gulf	ARL	1995	707	0.2	111,818	36.1	71,809	23.2	20,182	6.5	105,356	34.0	309,872	100.0
		1996	0	0.0	0	0.0	28,402	100.0	0	0.0	0	0.0	28,402	100.0
		1997	17,917	4.4	0	0.0	321,494	78.7	69,037	16.9	0	0.0	408,448	100.0
		All Years	18,624	2.5	111,818	15.0	421,705	56.5	89,219	11.9	105,356	14.1	746,722	100.0
	ARN	1995	0	0.0	4,209	1.5	114,751	41.4	0	0.0	158,324	57.1	277,284	100.0
		1996	0	0.0	0	0.0	0	0.0	0	0.0	1,934	100.0	1,934	100.0
		1997	0	0.0	43,548	3.7	134,229	11.5	0	0.0	986,430	84.7	1,164,207	100.0
		All Years	0	0.0	47,757	3.3	248,980	17.2	0	0.0	1,146,688	79.4	1,443,425	100.0
	AUL	1995	2,278	0.1	386,415	13.9	1,468,048	52.9	82,518	3.0	836,355	30.1	2,775,614	100.0
		1996	1,235	0.0	214,010	7.1	706,816	23.6	1,016,340	33.9	1,062,703	35.4	3,001,104	100.0
		1997	424,355	18.6	20,559	0.9	297,024	13.1	596,208	26.2	937,797	41.2	2,275,943	100.0
		All Years	30,242	4.0	0	0.0	566,319	74.4	0	0.0	164,930	21.7	761,491	100.0
	AUN	1995	458,110	5.2	620,984	7.0	3,038,207	34.5	1,695,066	19.2	3,001,785	34.1	8,814,152	100.0
		1996	0	0.0	256,767	26.2	0	0.0	365,912	37.3	359,083	36.6	981,762	100.0
		1997	0	0.0	18,952	0.6	107,902	3.5	1,418,808	46.0	1,538,840	49.9	3,084,502	100.0
		All Years	175,982	8.9	73,004	3.7	149,674	7.5	222,999	11.2	1,363,181	68.7	1,984,840	100.0
	N	1995	0	0.0	0	0.0	0	0.0	213,255	100.0	0	0.0	213,255	100.0
		1996	0	0.0	348,723	5.6	257,576	4.1	2,220,974	35.5	3,261,104	52.1	6,264,359	100.0
		1997	1,121	0.0	128,740	3.7	558,222	16.0	289,674	8.3	2,511,187	72.0	3,488,944	100.0
		All Years	17,467	0.1	276,592	1.7	2,458,361	15.4	1,268,775	7.9	11,939,856	74.8	15,961,051	100.0

(Continued)

Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Sablefish 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		
W. Gulf	ARL	1998	163,471	100.0	0	0.0	0	0.0	0	0.0	0	0.0	163,471	100.0
		All Years	163,471	100.0	0	0.0	0	0.0	0	0.0	0	0.0	163,471	100.0
	ARN	1995	0	0.0	0	0.0	9,760	100.0	0	0.0	0	0.0	9,760	100.0
		1996	0	0.0	0	0.0	0	0.0	88,493	100.0	0	0.0	88,493	100.0
		1997	0	0.0	18,652	7.0	0	0.0	120,662	45.6	125,543	47.4	264,857	100.0
		1998	0	0.0	0	0.0	0	0.0	150,467	64.1	84,404	35.9	234,871	100.0
		All Years	0	0.0	18,652	3.1	9,760	1.6	359,622	60.1	209,947	35.1	597,981	100.0
	AUL	1996	0	0.0	0	0.0	0	0.0	201	100.0	0	0.0	201	100.0
		All Years	0	0.0	0	0.0	0	0.0	201	100.0	0	0.0	201	100.0
	AUN	1995	139,913	13.6	9,760	0.9	0	0.0	513,199	49.8	367,779	35.7	1,030,651	100.0
		1996	293,526	24.9	0	0.0	201	0.0	143,599	12.2	741,983	62.9	1,179,309	100.0
		1997	21,810	2.1	0	0.0	0	0.0	353,872	34.6	647,616	63.3	1,023,298	100.0
		1998	84,646	23.2	83,194	22.8	0	0.0	124,434	34.1	72,933	20.0	365,207	100.0
		All Years	539,895	15.0	92,954	2.6	201	0.0	1,135,104	31.5	1,830,311	50.9	3,598,465	100.0
	N	1995	178,377	20.5	27,897	3.2	0	0.0	110,051	12.7	551,763	63.6	868,088	100.0
		1996	328,895	14.8	0	0.0	0	0.0	42,053	1.9	1,854,598	83.3	2,225,546	100.0
		1997	0	0.0	88,722	7.1	580	0.0	350,553	28.1	809,035	64.8	1,248,890	100.0
		1998	0	0.0	101,618	7.9	9,760	0.8	699,061	54.5	472,750	36.8	1,283,189	100.0
		All Years	507,272	9.0	218,237	3.9	10,340	0.2	1,201,718	21.4	3,688,146	65.6	5,625,713	100.0
	Bering Sea	ARL	1997	0	0.0	0	0.0	0	0.0	0	0.0	360,448	100.0	360,448
All Years			0	0.0	0	0.0	0	0.0	0	0.0	360,448	100.0	360,448	100.0
AUN		1995	0	0.0	0	0.0	0	0.0	679,756	98.8	8,273	1.2	688,029	100.0
		1996	0	0.0	0	0.0	0	0.0	255,468	30.6	580,389	69.4	835,857	100.0
		1997	0	0.0	0	0.0	0	0.0	2,251	0.9	243,342	99.1	245,593	100.0
		All Years	0	0.0	0	0.0	0	0.0	937,475	53.0	832,004	47.0	1,769,479	100.0
N		1995	0	0.0	0	0.0	0	0.0	11,880	3.8	303,618	96.2	315,498	100.0
		1996	0	0.0	7,388	1.1	0	0.0	367,975	53.3	315,523	45.7	690,886	100.0
		1997	0	0.0	0	0.0	357	0.1	0	0.0	660,596	99.9	660,953	100.0
		1998	0	0.0	0	0.0	0	0.0	635	0.0	2,346,412	100.0	2,347,047	100.0
		All Years	0	0.0	7,388	0.2	357	0.0	380,490	9.5	3,626,149	90.3	4,014,384	100.0

(Continued)

**Table 11-4a (con't). Intra-cohort and Cross-cohort Transfers of Sablefish 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		
Aleutians	ARL	1998	0	0.0	0	0.0	0	0.0	0	0.0	257,848	100.0	257,848	100.0
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	257,848	100.0	257,848	100.0
	ARN	1995	0	0.0	0	0.0	0	0.0	0	0.0	141,187	100.0	141,187	100.0
		1996	0	0.0	0	0.0	0	0.0	0	0.0	338,045	100.0	338,045	100.0
		1997	0	0.0	0	0.0	0	0.0	428,834	38.7	679,248	61.3	1,108,082	100.0
		All Years	0	0.0	0	0.0	0	0.0	428,834	27.0	1,158,480	73.0	1,587,314	100.0
	AUN	1995	0	0.0	0	0.0	0	0.0	56,394	49.0	58,627	51.0	115,021	100.0
		1996	0	0.0	0	0.0	0	0.0	14,886	2.1	692,341	97.9	707,227	100.0
		1997	0	0.0	0	0.0	0	0.0	14,103	100.0	0	0.0	14,103	100.0
		1998	0	0.0	0	0.0	0	0.0	274,913	25.7	793,590	74.3	1,068,503	100.0
		All Years	0	0.0	0	0.0	0	0.0	360,296	18.9	1,544,558	81.1	1,904,854	100.0
	N	1995	0	0.0	0	0.0	0	0.0	373,577	19.8	1,513,839	80.2	1,887,416	100.0
		1996	0	0.0	0	0.0	0	0.0	67,110	6.6	950,328	93.4	1,017,438	100.0
		1997	0	0.0	0	0.0	0	0.0	23,094	0.6	3,771,897	99.4	3,794,991	100.0
		1998	0	0.0	0	0.0	0	0.0	71,107	5.9	1,129,317	94.1	1,200,424	100.0
		All Years	0	0.0	0	0.0	0	0.0	534,888	6.8	7,365,381	93.2	7,900,269	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 Percent
			From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres		
Southeast	ARL	1995	10	58.8	0	0.0	6	35.3	0	0.0	1	5.9	17	100.0
		1996	7	29.2	1	4.2	1	4.2	4	16.7	11	45.8	24	100.0
		1997	2	50.0	0	0.0	1	25.0	0	0.0	1	25.0	4	100.0
		1998	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0
		All Years	22	45.8	1	2.1	8	16.7	4	8.3	13	27.1	48	100.0
	ARN	1996	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0
		All Years	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0
	AUL	1995	10	15.2	2	3.0	36	54.5	3	4.5	15	22.7	66	100.0
		1996	6	10.3	0	0.0	35	60.3	5	8.6	12	20.7	58	100.0
		1997	6	10.7	1	1.8	35	62.5	0	0.0	14	25.0	56	100.0
		1998	3	10.3	0	0.0	20	69.0	0	0.0	6	20.7	29	100.0
		All Years	25	12.0	3	1.4	126	60.3	8	3.8	47	22.5	209	100.0
	AUN	1995	0	0.0	0	0.0	2	18.2	6	54.5	3	27.3	11	100.0
		1996	0	0.0	0	0.0	0	0.0	1	50.0	1	50.0	2	100.0
		1997	0	0.0	0	0.0	0	0.0	3	75.0	1	25.0	4	100.0
		1998	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	3	16.7	10	55.6	5	27.8	18	100.0
	NR	1995	7	12.5	1	1.8	8	14.3	1	1.8	39	69.6	56	100.0
		1996	5	9.3	0	0.0	10	18.5	3	5.6	36	66.7	54	100.0
		1997	1	1.3	3	3.9	13	16.9	11	14.3	49	63.6	77	100.0
		1998	4	14.8	1	3.7	4	14.8	4	14.8	14	51.9	27	100.0
All Years		17	7.9	5	2.3	35	16.4	19	8.9	138	64.5	214	100.0	
W. Yakutat	ARL	1995	1	50.0	0	0.0	0	0.0	0	0.0	1	50.0	2	100.0
		1996	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
		1997	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
		All Years	1	25.0	0	0.0	0	0.0	1	25.0	2	50.0	4	100.0
	ARN	1995	0	0.0	2	33.3	0	0.0	2	33.3	2	33.3	6	100.0
		1996	0	0.0	1	50.0	0	0.0	1	50.0	0	0.0	2	100.0
		1997	1	25.0	1	25.0	0	0.0	0	0.0	2	50.0	4	100.0
		1998	1	8.3	4	33.3	0	0.0	3	25.0	4	33.3	12	100.0
		All Years	1	8.3	4	33.3	0	0.0	3	25.0	4	33.3	12	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 Percent
			From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres		
W. Yakutat	AUN	1995	0	0.0	2	6.3	0	0.0	23	71.9	7	21.9	32	100.0
		1996	3	7.0	7	16.3	0	0.0	22	51.2	11	25.6	43	100.0
		1997	0	0.0	3	6.7	0	0.0	30	66.7	12	26.7	45	100.0
		1998	0	0.0	0	0.0	0	0.0	6	46.2	7	53.8	13	100.0
		All Years	3	2.3	12	9.0	0	0.0	81	60.9	37	27.8	133	100.0
	NR	1995	1	3.2	2	6.5	0	0.0	3	9.7	25	80.6	31	100.0
		1996	0	0.0	5	12.5	1	2.5	12	30.0	22	55.0	40	100.0
		1997	2	3.8	4	7.5	0	0.0	14	26.4	33	62.3	53	100.0
		1998	0	0.0	1	3.4	0	0.0	6	20.7	22	75.9	29	100.0
		All Years	3	2.0	12	7.8	1	0.7	35	22.9	102	66.7	153	100.0
C. Gulf	ARL	1995	1	10.0	2	20.0	3	30.0	1	10.0	3	30.0	10	100.0
		1996	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0
		1997	2	33.3	0	0.0	3	50.0	1	16.7	0	0.0	6	100.0
		All Years	3	17.6	2	11.8	7	41.2	2	11.8	3	17.6	17	100.0
	ARN	1995	0	0.0	1	25.0	1	25.0	0	0.0	2	50.0	4	100.0
		1996	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
		1997	0	0.0	1	12.5	4	50.0	0	0.0	3	37.5	8	100.0
		All Years	0	0.0	2	15.4	5	38.5	0	0.0	6	46.2	13	100.0
	AUL	1995	1	2.8	2	5.6	21	58.3	5	13.9	7	19.4	36	100.0
		1996	1	2.4	4	9.8	20	48.8	8	19.5	8	19.5	41	100.0
		1997	5	13.2	1	2.6	21	55.3	5	13.2	6	15.8	38	100.0
		1998	1	6.7	0	0.0	12	80.0	0	0.0	2	13.3	15	100.0
		All Years	8	6.2	7	5.4	74	56.9	18	13.8	23	17.7	130	100.0
	AUN	1995	0	0.0	2	11.8	0	0.0	9	52.9	6	35.3	17	100.0
		1996	0	0.0	3	11.5	3	11.5	10	38.5	10	38.5	26	100.0
		1997	3	9.7	3	9.7	2	6.5	8	25.8	15	48.4	31	100.0
		1998	0	0.0	0	0.0	0	0.0	3	100.0	0	0.0	3	100.0
		All Years	3	3.9	8	10.4	5	6.5	30	39.0	31	40.3	77	100.0
	NR	1995	1	2.6	1	2.6	5	13.2	4	10.5	27	71.1	38	100.0
		1996	1	2.2	4	8.9	4	8.9	7	15.6	29	64.4	45	100.0
		1997	0	0.0	3	4.8	10	15.9	7	11.1	43	68.3	63	100.0
		1998	0	0.0	0	0.0	8	18.6	3	7.0	32	74.4	43	100.0
		All Years	2	1.1	8	4.2	27	14.3	21	11.1	131	69.3	189	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 Percent
			From ARLs	Pct. From ARLs	From ARNs	Pct. From ARNs	From AULs	Pct. From AULs	From AUNs	Pct. From AUNs	From Nonres	Pct. From Nonres		
W. Gulf	ARL	1998	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0
		All Years	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0
	ARN	1995	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0	1	100.0
		1996	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
		1997	0	0.0	1	25.0	0	0.0	1	25.0	2	50.0	4	100.0
		1998	0	0.0	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0
		All Years	0	0.0	1	11.1	1	11.1	3	33.3	4	44.4	9	100.0
	AUL	1996	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
		All Years	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0	1	100.0
	AUN	1995	2	14.3	1	7.1	0	0.0	6	42.9	5	35.7	14	100.0
		1996	1	11.1	0	0.0	1	11.1	4	44.4	3	33.3	9	100.0
		1997	1	5.3	0	0.0	0	0.0	10	52.6	8	42.1	19	100.0
		1998	2	22.2	1	11.1	0	0.0	3	33.3	3	33.3	9	100.0
		All Years	6	11.8	2	3.9	1	2.0	23	45.1	19	37.3	51	100.0
	NR	1995	1	8.3	1	8.3	0	0.0	2	16.7	8	66.7	12	100.0
		1996	4	33.3	0	0.0	0	0.0	1	8.3	7	58.3	12	100.0
		1997	0	0.0	1	3.8	1	3.8	6	23.1	18	69.2	26	100.0
		1998	0	0.0	1	5.9	1	5.9	5	29.4	10	58.8	17	100.0
		All Years	5	7.5	3	4.5	2	3.0	14	20.9	43	64.2	67	100.0
	Bering Sea	ARL	1997	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2
All Years			0	0.0	0	0.0	0	0.0	0	0.0	2	100.0	2	100.0
AUN		1995	0	0.0	0	0.0	0	0.0	5	83.3	1	16.7	6	100.0
		1996	0	0.0	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0
		1997	0	0.0	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0
		All Years	0	0.0	0	0.0	0	0.0	7	58.3	5	41.7	12	100.0
NR		1995	0	0.0	0	0.0	0	0.0	1	14.3	6	85.7	7	100.0
		1996	0	0.0	1	20.0	0	0.0	1	20.0	3	60.0	5	100.0
		1997	0	0.0	0	0.0	1	20.0	0	0.0	4	80.0	5	100.0
		1998	0	0.0	0	0.0	0	0.0	1	12.5	7	87.5	8	100.0
		All Years	0	0.0	1	4.0	1	4.0	3	12.0	20	80.0	25	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 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		
Aleutians	ARL	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	0	0.0	1	100.0	1	100.0
	ARN	1995	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
		1996	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0	1	100.0
		1997	0	0.0	0	0.0	0	0.0	1	33.3	2	66.7	3	100.0
		All Years	0	0.0	0	0.0	0	0.0	1	20.0	4	80.0	5	100.0
	AUN	1995	0	0.0	0	0.0	0	0.0	5	71.4	2	28.6	7	100.0
		1996	0	0.0	0	0.0	0	0.0	2	40.0	3	60.0	5	100.0
		1997	0	0.0	0	0.0	0	0.0	2	100.0	0	0.0	2	100.0
		1998	0	0.0	0	0.0	0	0.0	3	50.0	3	50.0	6	100.0
		All Years	0	0.0	0	0.0	0	0.0	12	60.0	8	40.0	20	100.0
	NR	1995	0	0.0	0	0.0	0	0.0	2	28.6	5	71.4	7	100.0
		1996	0	0.0	0	0.0	0	0.0	1	25.0	3	75.0	4	100.0
		1997	0	0.0	0	0.0	0	0.0	1	7.7	12	92.3	13	100.0
		1998	0	0.0	0	0.0	0	0.0	5	45.5	6	54.5	11	100.0
		All Years	0	0.0	0	0.0	0	0.0	9	25.7	26	74.3	35	100.0