

CHANGES UNDER ALASKA'S SABLEFISH IFQ PROGRAM, 1995 TO 2006

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
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Final Report:

This is a report covering the sablefish IFQ program from 1995 through 2006. The executive summary is contained in a separate document. The final report for the Sablefish fishery is contained in a separate document.

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Organization:

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Abstract:

This study uses NMFS-RAM administrative data and other ancillary data to analyze the first twelve years of the Sablefish individual fishing quota (IFQ) program in Alaska.

The topics covered in the report include basic data on the extent of consolidation of quota share (QS) holdings, the volume of permanent QS transfers; QS prices; the volume of seasonal QS lease transfers, and IFQ lease prices. The report highlights the importance of several special features of the IFQ program and provides an extensive overview of changes in the geographic distribution of QS holdings. The report includes summary data on permanent transfers including the amount of QS transferred as sales, gifts, and trades; the relationships between the transferors and transfer recipients; and the finance methods used in sales transfers. The report investigates changes in the distribution of QS by person-type, changes in the distribution of QS between initial QS recipients and new entrants, and changes in Sablefish harvest and delivery patterns. The report also provides information on the consolidation of IFQ permit holders onto single vessel operations and on the underharvest of IFQ during the 1995 to 2006 fishing seasons.

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1 Introduction Sablefish

1.1 The Purpose of This Study

This report uses administrative and harvest data from the Restricted Access Management Program (RAM) of the National Oceanic Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) and other ancillary data to report on the first twelve years of the sablefish individual fishing quota (IFQ) program in Alaska. The purpose of this report is to provide accurate information on particular topics of interest concerning the program.

These IFQ programs in Alaska's halibut and sablefish fisheries were first implemented by NMFS in 1995 and are administered by RAM. The programs had been developed by the North Pacific Fishery Management Council (Council) and approved by the United States Secretary of Commerce.

The sablefish IFQ program represents a dramatic change from the open access fishery that preceded it. The growth in fishing effort under open access had necessitated large reductions in the length of the fishing seasons and caused a host of undesirable effects. The congestion on the fishing grounds during the relatively short openings also led to gear conflicts, gear loss, and resource wastage. The fact that the harvest occurred during short periods caused short-term market gluts and forced frozen product to be held and marketed over long periods. These factors led to lower product quality and ex-vessel prices for fishermen.

The Council anticipated that the sablefish IFQ program would spread out the season, allow fishermen to harvest their individual quotas at times opportune to them, and lead to improved product quality ex-vessel prices and economic profits. They also expected the IFQ program to reduce safety problems, congestion on the grounds, gear loss, and wastage of resources.

Many of the Council's objectives have been realized during the first twelve years of the program. The season has been lengthened, ex-vessel prices have improved, and congestion on the grounds has been reduced. Fishermen can and do choose the times they will harvest their IFQs. There is also evidence that the program has served the other Council objectives.

However, despite these successes, some people continue to have concerns about long-term changes that might occur under the program. This is particularly true in Alaska where there are many coastal communities that depend heavily on commercial fishing for their economic base. The transfer of IFQ use-privileges to persons outside a local area or radical change in harvest and delivery patterns under the program might have harmful effects on some communities.

Because of this, many parties have an interest in closely monitoring the changes occurring under the IFQ program. In 1995 the State of Alaska, NMFS, and the Council formed an interagency study team to evaluate changes occurring under the new IFQ program. Several studies were initiated and completed through this process.

The NMFS Restricted Access Management Program administers the IFQ programs and is committed to continuing this monitoring effort. The main purpose of this study is to use data collected and maintained by RAM to document and report changes that occurred during the first twelve years of the new sablefish IFQ program. The information contained in this report will help inform policy discussions on proposals for new IFQ programs or proposals to alter existing IFQ programs.

The report includes a brief description of the sablefish fishery, the IFQ program, and data information that should assist in the evaluation of program features.

1.2 The Sablefish Fishery

Sablefish are demersal, living in waters on or near the bottom. Adults are typically found in waters from 400 to 1,000 meters on the continental slope and in or near underwater canyons and gullies. Sablefish have been subject to directed fisheries by hook-and-line, longlines, pots, and trawls. Allocations of sablefish total allowable catch (TAC) among gear groups have been ongoing since the 1980's. Sablefish has also been taken as bycatch, particularly in trawl fisheries. There is little or no recreational fishery for sablefish. Sablefish from the directed fishery typically are landed in Alaska or processed offshore by floating processors or catcher processors.¹

The responsibility for the management of the sablefish fisheries in Federal waters off Alaska rests with the Regional Council and the U.S. Secretary of Commerce. Actual management is carried out by the NOAA Fisheries Service.

The Alaska Department of Fish and Game (ADF&G) manages sablefish within waters under the jurisdiction of the State of Alaska under regulations and guidelines established by the Alaska Board of Fisheries. Some significant sablefish fisheries within state waters have been placed under limited entry programs by the Alaska Commercial Fisheries Entry Commission (CFEC). Other sablefish fisheries occurring in state waters remain open access although IFQ permit holders who participate in these open access state fisheries must record their landings under the sablefish IFQ program, and any harvest is subtracted against their IFQ.

¹ Longline and Pot Gear Sablefish Management in the Gulf of Alaska and the Bering Sea/Aleutian Islands; Draft Supplemental Environmental Impact Statement and Regulatory Impact Review/Initial Regulatory Flexibility Analysis to the Fishery Management Plans for the Gulf of Alaska and the Bering Sea/Aleutian Islands; NPFMC, November 16, 1989; pages 15, 27, and 35.

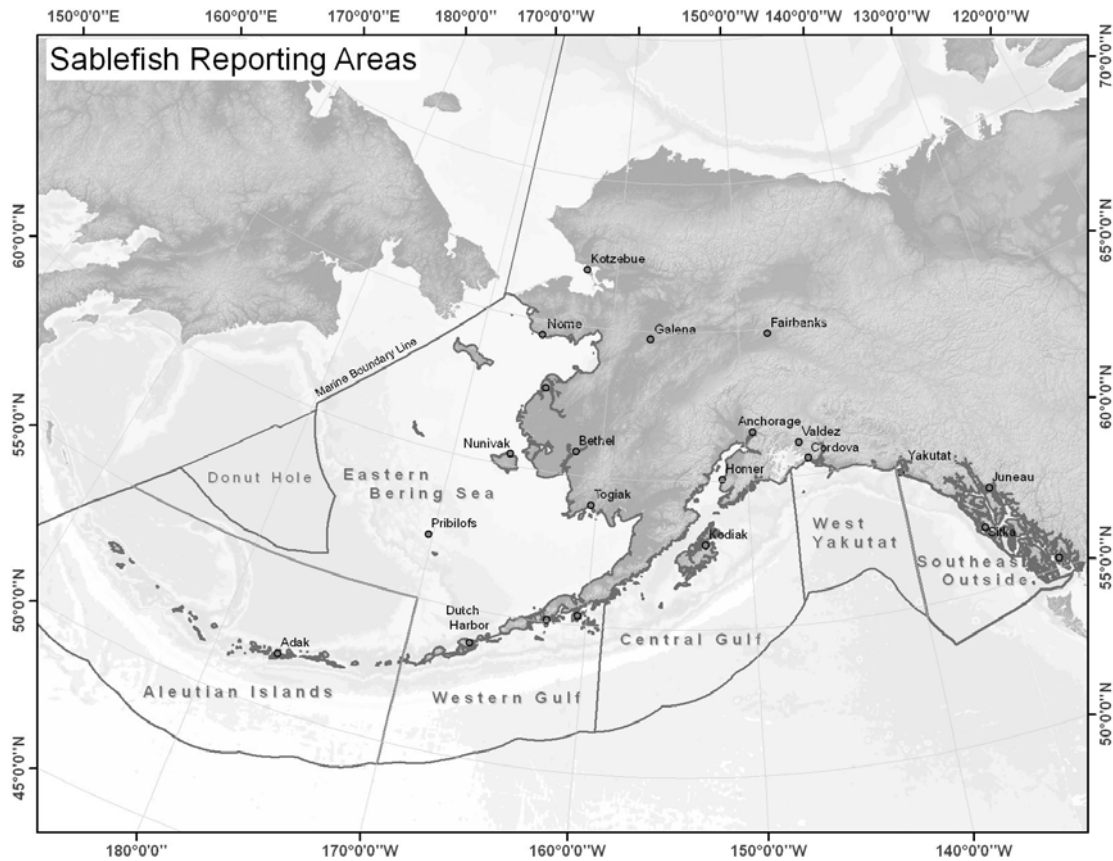


Figure 1. Sablefish IFQ Management Areas

1.3 Background on the Sablefish IFQ Program

In December 1991, the Council recommended an Individual Fishing Quota (IFQ) Program for management of the “fixed gear” sablefish and halibut fisheries off Alaska. For sablefish, fixed gear in the Gulf of Alaska (GOA) areas included all hook and line fishing gear, and fixed gear in the Bering Sea and Aleutians Islands (BSAI) areas included all hook and line and all pot gear.² The development of the program took place over a long time period. After many years of development, the Council's IFQ plan for sablefish was approved as a regulatory amendment by the Secretary of Commerce in early 1993, and final implementing regulations became effective in November 1993.³

²In the GOA, for purposes of determining initial IFQ allocations, fixed gear included all pot gear that had been used to make a legal landing. See 50 CFR 679.2.

³ 58 FR 59375, November 9, 1993.

Quota shares (QS) are the basic use-privileges that were established under the program.⁴ QS were issued to qualified applicants who owned or leased a vessel with legal fixed gear landings of sablefish at any time during 1988, 1989, and 1990. The regular QS units issued to a person in a management area were equal to the person's qualifying pounds for that area. Qualifying pounds were the sum of the person's best five years of landings (pounds) over the six-year period from 1985 to 1990.

The issued QS are specific to one of six sablefish management areas and one of three vessel classes. The management areas are Southeast (SE), West Yakutat (WY), Central Gulf (CG), Western Gulf (WG), Bering Sea (BS), and Aleutians Islands (AI) (see Figure 1). The three vessel classes include a harvester-processor vessel class (“freezer”) and two catcher vessel classes. The two catcher vessel classes are “60 feet or less” and “greater than 60 feet.”

In the BS and AI areas, 20% of the fixed gear total allowable catch (TAC) was allocated to Community Development Quotas (CDQs) for groups of communities in western Alaska.⁵ The Council compensated QS holders in these CDQ areas for reductions in TAC due to CDQs by issuing them additional “CDQ compensation QS” in the four non-CDQ areas: The SE, WY, CG, and WG areas. The CDQ compensation QS increased the total QS issued (the “QS Pool”).

Each year, the amount of QS in the QS pool as of January 31 and the TAC allocated to the area’s sablefish IFQ fishery are used to determine the basic QS/IFQ ratio that will be used annually in each management area for the year.⁶ Table 1 provides QS pool and TAC data from 1995 by management area. The QS/IFQ ratio TAC, and QS pool change from year to year. Ratios are affected by annual changes in either QS pools or TACs. The annual TACs change with stock abundance; QS pools change through initial issuance appeals and other administrative or legal actions.

The sablefish QS pools between fluctuated slightly during the first twelve IFQ Program years.⁷ The QS pool was larger at the beginning of 2006 than it was in 1995 in the CG, BS, and AI management areas.

Note that the sablefish TACs devoted to IFQs dropped in most areas between 1995 and 2006, while the WG, BS and AI experienced increases.

As a result of Pool and TAC changes, the ratio of QS/IFQ increased in three of the management areas 1995 to 2006 (SE, WY, and the CG).

A person's annual IFQ for an area is determined by multiplying the person's fraction of the total QS units outstanding in the area by the total allowable catch (TAC) allocated to

⁴ “QS will be used in this report both “quota share” and “quota shares.” “QS units” and “unit of QS” also will be used for greater clarity.

⁵ 50.CFR 679.3(c)

⁶ 50 CFR 679.40(c)

⁷ RAM included QS that was on appeal and claimed by two or more persons in the QS pool at the beginning of the year. When a case was resolved the QS and the associated IFQ was issued to successful applicant.

the area's annual IFQ fishery. Adjustments for the person's underharvest or overharvest from the previous year determine the person's final IFQ for the year.

The issued QS are permanently transferable and, in some cases, leasable under conditions discussed in the report. The Council wanted to achieve some of the benefits associated with IFQ management but did not want the program to lead to radical changes that would be harmful to communities dependent upon the fishery. As a result, the Council adopted several complex rules to constrain changes that could occur under the program.

These rules include limits on who may buy QS and on the amount of QS that a person may hold. Rules also include constraints on the amount of QS that may be fished from a boat, and restrictions placing some QS holdings into “blocks” that can only be transferred on an “all or nothing basis.” These rules represent an effort by the Council to achieve economic efficiency gains under the program while preserving some of the traditional character of the fishery and the diversity of the fishing operations. These rules are outlined in more detail and are discussed in subsequent chapters of this report.

Table 1-1. Quota Share Pools and IFQ TACs by Sablefish Management Area, 1995-2006

Sablefish Management Area	Year	Quota Share Pool (# of QS Units)	IFQ TAC (Round Pounds CDQs excluded)	Ratio of QS/IFQ
Southeast	1995	68,528,249	12,985,094	5.28
	1996	68,848,467	10,346,188	6.65
	1997	65,961,362	8,042,381	8.20
	1998	65,938,762	7,687,440	8.59
	1999	65,967,848	7,054,720	9.35
	2000	66,030,961	7,832,944	8.43
	2001	66,030,961	7,407,456	8.91
	2002	66,030,961	7,076,766	9.33
	2003	66,119,746	7,848,376	8.42
	2004	66,119,746	8,311,342	7.96
	2005	66,120,619	7,870,422	8.40
2006	66,120,619	7,760,192	8.52	
West Yakutat	1995	55,222,648	8,586,917	6.43
	1996	55,254,522	6,366,885	8.68
	1997	53,189,319	5,048,534	10.54
	1998	53,224,850	4,795,005	11.10
	1999	53,207,225	4,023,395	13.22
	2000	53,231,066	4,230,627	12.58
	2001	53,231,066	3,944,029	13.50
	2002	53,231,066	3,708,137	14.36
	2003	53,267,935	4,466,520	11.93
	2004	53,267,935	4,925,076	10.82
	2005	53,266,430	5,011,056	10.63
2006	53,266,430	4,387,154	12.14	
Central Gulf	1995	110,855,516	15,167,648	7.31
	1996	112,098,331	12,169,392	9.21
	1997	110,793,607	11,305,189	9.80
	1998	111,020,282	11,146,458	9.96
	1999	111,032,423	9,858,971	11.26
	2000	111,619,720	10,105,886	11.05
	2001	111,765,502	9,541,509	11.71
	2002	111,619,720	9,576,782	11.66
	2003	111,668,048	11,358,099	9.83
	2004	111,668,048	12,874,864	8.67
	2005	111,686,632	12,786,680	8.73
2006	111,686,632	11,234,642	9.94	
Western Gulf	1995	37,318,847	4,585,568	8.14
	1996	37,566,440	3,880,096	9.68
	1997	35,918,873	3,280,445	10.95
	1998	36,030,477	3,245,171	11.10
	1999	35,951,012	3,209,898	11.20
	2000	36,028,233	3,245,171	11.10
	2001	36,029,105	3,544,997	10.16
	2002	36,029,105	3,950,643	9.12
	2003	36,029,105	4,532,658	7.95
	2004	36,029,105	5,167,582	6.97
	2005	36,029,579	4,479,747	8.04
2006	36,029,579	4,709,026	7.65	
Bering Sea	1995	16,388,151	1,410,944	11.62
	1996	17,708,130	970,024	18.26
	1997	18,602,398	970,024	19.18
	1998	18,602,398	1,146,392	16.23
	1999	18,587,476	1,181,666	15.73
	2000	18,768,845	1,296,305	14.48
	2001	18,768,845	1,375,670	13.64
	2002	18,768,845	1,701,951	11.03
	2003	18,768,845	2,557,336	7.34
	2004	18,768,845	2,557,336	7.34
	2005	18,790,367	2,151,690	8.73
2006	18,790,367	2,486,789	7.56	

Table 1-1 continued. Quota Share Pools and IFQ TACs by Sablefish Management Area, 1995-2006

Sablefish Management Area	Year	Quota Share Pool (# of QS Units)	IFQ TAC (Round Pounds CDQs excluded)	Ratio of QS/IFQ
Aleutian Islands	1995	31,126,431	2,910,072	10.70
	1996	31,496,242	1,587,312	19.84
	1997	31,518,176	1,587,312	19.86
	1998	31,570,557	1,825,409	17.30
	1999	31,518,176	1,825,409	17.27
	2000	31,932,492	3,215,189	9.93
	2001	31,932,492	3,306,900	9.66
	2002	31,932,492	3,373,920	9.46
	2003	31,932,492	4,100,556	7.79
	2004	31,932,492	4,100,556	7.79
	2005	31,932,492	3,465,631	9.21
	2006	31,932,492	3,968,280	8.05

2 Sablefish - Consolidation of QS Holdings

2.1 Introduction

Near the end of 1994 NOAA Fisheries (NMFS) first allocated sablefish QS. By 1995, most of the eligible applicants had received their allocations; however, some allocations continued over time as appeals were resolved. Persons began to transfer their QS shortly after the allocations started. Some of the QS transfers have been to persons who were entering the fishery for the first time; other transfers went to persons who had received initial allocations and were adjusting their QS holdings.

Transfer transactions and revocations and other administrative or legal actions can change the distribution of QS holdings. Permanent transfer activity includes routine transfers, transfers associated with “sweep-ups” of QS blocks, transfers associated with “swaps” of CDQ compensation QS across vessel categories, and court-ordered transfers. This chapter provides an overview of the consolidation of QS holdings that have occurred due to all these factors during the first twelve years of the IFQ program.⁸

The sablefish IFQ program has many special features that serve to constrain the nature and extent of QS consolidation, of which the most significant are listed below:

- QS is issued to persons and is specific to one of three vessel categories. Under most circumstances, QS from one vessel category cannot be transferred to another vessel category. Rules that allow special catcher vessel category “swaps” are discussed in more detail below.
- Some QS is issued in nonseverable “blocks.” A person may hold a maximum of two blocks of QS in an area, and persons with two blocks may not hold unblocked QS in that area; small blocks may be “swept” together to a maximum size block. These rules are also discussed in more detail below.⁹
- The program restricts who may buy catcher vessel QS are restricted. Only those who were originally issued catcher vessel QS or those who qualify as IFQ crew members by working for 150 days on the harvesting crew in any U.S. commercial fishery may buy catcher vessel QS.¹⁰ Purchases of freezer vessel QS are not restricted in this way. The only corporations, partnerships or other business entities that may acquire more catcher vessel QS are those that were initial QS recipients. An exception to these rules occurs when an individual transfers his/her own QS to his/her own solely owned corporation.¹¹

⁸ Sweep-ups” of small QS blocks are covered in detail in Chapter 6.

⁹ See 50 CFR 679.42 (g)

¹⁰ See 50 CFR 679.41 (g) “IFQ crew” are defined in 50 CFR 679.2

¹¹ See 50 CFR 679.42(j) and 50 CFR 679.41(g)(3)

- From 1995 through 1996, no person could use, individually or collectively, more than 1% of the combined total sablefish QS of all regulatory areas unless the amount in excess of 1% was received at initial allocation. In the Southeast regulatory area, no person could use, individually or collectively, an amount of sablefish QS that was more than 1% of the total for that area, unless the amount in excess was received at initial allocation.¹²

The sablefish IFQ program created nonseverable “blocks” of QS that constrain QS consolidation. Persons received their QS in a block if their initial QS allocation resulted in less than 20,000 pounds of sablefish IFQ.¹³ Blocks cannot be broken up for transfer; all the QS in a block has to be sold or passed on to another person as a single unit. A person can hold a maximum of two blocks in an area, but a person with two blocks cannot hold any unblocked QS for the area. The regulations allow persons to combine, or “sweep-up,” more than two blocks if their combined total is worth less than 5,000 pounds of a hypothetical sablefish IFQ.¹⁴ These sweep-ups are discussed in more detail in Chapter 6.

The IFQ program also included provisions that set aside part or all of the TACs in the Bering Sea and Aleutian Islands management areas for community development quotas (CDQs). Setting aside TAC for CDQs effectively reduced the harvest limits of individuals who were initially allocated QS in those areas.¹⁵ The IFQ plan contained provisions designed to compensate QS holders for this reduction. The goal of the plan was to spread the burden of the CDQs equally among all persons who initially received sablefish QS. Compensation was provided by giving persons receiving QS in the CDQ areas (Bering Sea and Aleutian Islands) additional QS in each of the management areas in which CDQs were not allocated (Southeast, West Yakutat, Central Gulf and Western Gulf).

Some persons who received CDQ compensation QS in the Southeast, West Yakutat, Central Gulf, and Western Gulf management areas already had QS in one or more of those areas. When this occurred, their CDQ compensation was rolled into their existing QS holding. It was either “blocked” or “unblocked” depending upon the size of the combined holding. However, in many cases persons received CDQ compensation QS in areas where they had not previously fished or were issued regular QS. When this occurred, a person’s catcher vessel CDQ compensation was unblocked and “swappable” to another catcher vessel category upon the first transfer. Moreover, this “swappable” catcher vessel CDQ compensation QS can be used on any size catcher vessel until it is swapped or transferred. These rules facilitate the transfer and use of CDQ compensation

¹² See 50 CFR 679.42(e)

¹³ See 50 CFR 679.40(a)(1). The 20,000 pounds is actually a hypothetical IFQ based on 1994 TACs and the amount of the QS in the QS pool on October 17, 1994. The sablefish QS equivalent calculated for this blocking limit is worth different amounts of IFQ each year as TACs and the amount of QS in the QS pool changes.

¹⁴ The original sweep-up limit was 3,000 pounds. In April 1996, the Council approved an amendment that increased the sweep-up limit to 5,000 pounds. This regulation is now incorporated into 50 CFR 679.41(e). The 5,000 pounds of hypothetical IFQ was based upon 1996 TACs and the QS pool as of January 31, 1996. The regulation translates the rule into a specific amount of QS units for each management area effective December 31, 1996.

¹⁵ The CDQ regulations are contained in 50 CFR 679.30 and 50 CFR 679.31(b) and (c). The provisions for CDQ compensation are contained in 50 CFR 679.41(i).

QS.¹⁶ Because of the CDQ compensation “swap” regulation, the total amount of QS may change in an area and vessel category after initial allocation. Such changes do not affect the management area totals, however, because the QS is only being “swapped” between catcher vessel categories and does not transfer outside the area.

In January 1996, the Council approved a “fish down” amendment that allows catcher vessel QS to be used on vessels of the same vessel size class or smaller. The Council did this to allow more flexibility for QS holders to acquire more catcher vessel QS. The amendment allowed the use of larger vessel category QS on smaller vessels, except in the Southeast area where “fish down” of category B (larger than 60 feet) QS is allowed only for blocks worth less than 5,000 pounds (based upon 1996 quotas). This amendment became effective August 16, 1996.¹⁷ A later amendment removed the Southeast fish down restriction to provide greater operational flexibility and harvest efficiency.¹⁸

Table 2-1a provides an overview of the distribution of sablefish QS at initial allocation and at the year end of 2006. It shows the amount of QS and the number of QS holders in each area, along with the change and percent change from initial issuance through year-end 2006.

The negative net changes in total QS in three of the six areas are the result of NOAA-RAM QS revocations. Revocations do not occur until the QS holder has been given an opportunity to appeal an administrative revocation decision, or until after a civil penalty has been levied by the agency.

Even as initial issues left the program new entrants acquired qs lowering the balance of the number of QS holders in all areas. The greatest decline in QS holders, both by numbers and percent has been in the Southeast, West Yakutat, and Central Gulf areas. The decline in QS holders has been less in the other areas, ranging from 26.7% of the total persons who were initially issued QS in the Aleutian Islands area to 20.7% of the total initial issues in the Bering Sea.

Table 2-1b provides further data on QS consolidation. Consolidation of QS holdings is indicated by the increase in the average and median QS holdings from initial issuance to the end of 2006. The average and median QS holdings rose in all areas.

Table 2-1b also shows that the median QS holdings in all areas were substantially lower than the average QS holdings, indicating a skewness toward persons with small holdings.

¹⁶ See 50 CFR 679.41(i)

¹⁷ See 50 CFR 679.40(a)(5)(ii) and 679.42(a)

¹⁸ 72 FR 44795, August 9, 2007

**Table 2-1a. Initial Issuance and Year-end 2006 QS and QS Holders,
By Management Area**

Area	Initial Amount of QS Units	2006 Year-end QS Units	Net Change in Total QS Units	Percent Change QS Units	Initial QS Holders	2006 Year-end QS Holders	Person Net Change	Percent Change QS Holders
Southeast	66,598,479	66,120,619	-477,860	-0.7	715	441	-274	-38.3
W. Yakutat	53,470,436	53,266,430	-204,006	-0.4	456	265	-191	-41.9
C. Gulf	111,544,461	111,686,632	142,171	0.1	643	406	-237	-36.9
W. Gulf	36,086,355	36,029,579	-56,776	-0.2	232	171	-61	-26.3
Bering Sea	18,626,676	18,790,367	163,691	0.9	145	115	-30	-20.7
Aleutians	31,518,176	31,932,492	414,316	1.3	135	99	-36	-26.7

**Table 2-1b. Consolidation of Sablefish QS Holdings from Initial Allocation Through
Year-end 2006, By Management Area**

Area	Initial Median QS Held	2006 Year-end Median QS	Net Change in Median QS Units	Percent Change Median QS	Initial Average QS Held	2006 Year-end Avg. QS	Net Change in Avg. QS Units	Percent Change Avg. QS Units
Southeast	23,613	39,163	15,550	65.9	93,145	148,335	55,190	59.3
W. Yakutat	15,798	42,842	27,044	171.2	117,260	202,530	85,270	72.7
C. Gulf	22,462	57,853	35,391	157.6	173,475	275,090	101,615	58.6
W. Gulf	10,361	49,143	38,782	374.3	155,545	210,699	55,154	35.5
Bering Sea	47,421	54,339	6,918	14.6	128,460	163,394	34,934	27.2
Aleutians	60,930	77,125	16,195	26.6	233,468	322,550	89,082	38.2

2.2 QS Consolidation by Vessel Category

The sablefish IFQ program created three distinct vessel categories in each of the six sablefish regulatory areas. One vessel category consists of harvester-processor (called “freezers”) vessels; the other two consist of catcher vessels less than or equal to 60 feet and greater than 60 feet. Under most circumstances, QS cannot be transferred across vessel categories; however, the regulations provide for vessel category “swaps” of catcher vessel CDQ compensation QS on first transfer.¹⁹

In January 1996, the Council approved a “fish down” amendment that allows catcher vessel QS to be used on vessels of the same vessel size class or smaller. The Council did this to allow more flexibility for QS holders using small vessels or small vessel owners to acquire (or host respectively) more catcher vessel QS. The amendment allows the use of larger vessel category QS on smaller vessels, except in the Southeast area where “fish down” of category B (larger than 60 feet) QS is allowed only for blocks equivalent to less than 5,000 pounds (based upon 1996 quotas). This amendment became effective August 16, 1996.²⁰ The Southeast fish down exception was eliminated in 2007.

Tables 2-2a and 2-2b show that at initial issuance sablefish QS had been issued in 18 different area/vessel category combinations. A person may hold QS in more than one vessel category in an area. For this reason, the sum of the QS holders in the different area/vessel category combinations can be greater than the number of unique persons who hold QS in the area, as reported in Table 2-1a and other tables in this report.

Table 2-2a indicates that in the Southeast area, use of vessels 60 feet or less resulted in more QS than did other vessel categories. In the Aleutians, most of QS was issued in the freezer vessel category. In all other areas, the greatest percentage of QS was issued in the “over 60 feet” vessel category. As expected, at the end of 2006 the greatest percentage of the QS was still held in these same vessel categories in their respective areas.

As explained previously, changes in QS distribution between vessel classes are necessarily small because QS transfers across vessel categories are only allowed by special rules for the “swap” of CDQ compensation QS. Quota share revocations may also change the amount of QS within a vessel category between initial issuance and year-end 2006.

Table 2-2b shows the initial and 2006 year-end distribution of QS holders in each area/vessel category combination. It also indicates average QS holdings, changes in the number of persons, and average QS holdings in each vessel category. There were often considerable differences between the percentage of QS issued in a vessel category and the percentage of total area QS holders who hold QS at that category. For example, 63.5% of the persons who were initially issued QS in the West Yakutat area received their QS in the “less than or equal to 60 foot” vessel category, yet these persons held only

¹⁹IFQ from swappable catcher vessel CDQ compensation QS can be fished from any catcher vessel category and can be permanently “swapped” to another catcher vessel category upon the first transfer. See CFR 679.41 (i).

²⁰ See 50 CFR 679.40(a)(5)(ii) and 679.42 (a).

31.1% (Table 1-2a) of the total QS in the area. In contrast, relatively few persons in each area were issued QS in the freezer vessel category, but they were issued a proportionately larger percentage of the area QS due to the larger capacity of freezer vessels on what type of QS was historically earned.

In nearly all vessel categories and areas, the number of QS holders whether or not initially issued declined from initial issuance to the end of 2006. The freezer vessel category in the Aleutian Islands area was the only instance in which the number of QS holders stayed the same or increased even slightly.

The greatest amount of consolidation occurred, both numerically and on a percent basis, in Southeast, West Yakutat, and the Central Gulf. Note that these are management areas with both the largest numbers of initial issues and in which persons received CDQ compensation QS at initial issuance. Many of the persons who were issued CDQ compensation received only small amounts of QS in areas in which they had no prior history of fishing. It is likely that a considerable amount of this QS was transferred (see Chapter 7), contributing to the relatively greater decrease in the number of QS holders in these areas. Other factors also contributed to the decrease.

As one would expect, average QS holdings increased in all of the areas and vessel categories where there were declines in the number of QS holders. Changes in average QS holdings will also be affected by QS revocations. If the QS pool is decreased by QS revocations, then average QS holdings will also decrease. Therefore, QS revocations can partly offset increases in average holdings due to consolidation.

Table 2-2a. Initial Allocation and Year-end 2006 QS by Management Area and Vessel Category

Area	Vessel Category	Initial Amount of QS	2006 Amount of QS	Initial Pct. of Area QS	2006 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	Freezer	6,370,329	6,133,979	9.6	9.3	-236,350	-3.7
	GT 60 ft.	13,712,648	13,434,913	20.6	20.3	-277,735	-2.0
	LE 60 ft.	46,515,502	46,551,727	69.8	70.4	36,225	0.1
W. Yakutat	Freezer	4,364,968	4,373,738	8.2	8.2	8,770	0.2
	GT 60 ft.	32,475,321	32,262,231	60.7	60.6	-213,090	-0.7
	LE 60 ft.	16,630,147	16,630,461	31.1	31.2	314	0.0
C. Gulf	Freezer	17,110,532	17,557,104	15.3	15.7	446,572	2.6
	GT 60 ft.	53,292,049	53,044,252	47.8	47.5	-247,797	-0.5
	LE 60 ft.	41,141,880	41,085,276	36.9	36.8	-56,604	-0.1
W. Gulf	Freezer	13,686,455	13,671,401	37.9	37.9	-15,054	-0.1
	GT 60 ft.	15,587,631	15,593,222	43.2	43.3	5,591	0.0
	LE 60 ft.	6,812,269	6,764,956	18.9	18.8	-47,313	-0.7
Bering Sea	Freezer	7,288,858	7,470,227	39.1	39.8	181,369	2.5
	GT 60 ft.	7,794,808	7,779,886	41.8	41.4	-14,922	-0.2
	LE 60 ft.	3,543,010	3,540,254	19.0	18.8	-2,756	-0.1
Aleutians	Freezer	17,537,967	17,952,283	55.6	56.2	414,316	2.4
	GT 60 ft.	11,319,633	11,319,633	35.9	35.4	0	0.0
	LE 60 ft.	2,660,576	2,660,576	8.4	8.3	0	0.0

Table 2-2b. Initial Allocation and Year-end 2006 QS Holders by Management Area and Vessel Category

Area	Vessel Category	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct. Of Area QS Holders	2006 Pct of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2006 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	Freezer	44	34	6.2	7.6	-10	-22.7	144,007	180,411	36,404	25.3
	GT 60 ft.	118	83	16.5	18.4	-35	-29.7	116,201	161,851	45,650	39.3
	LE 60 ft.	551	333	77.3	74.0	-218	-39.6	84,259	139,794	55,535	65.9
W. Yakutat	Freezer	33	28	7.3	9.8	-5	-15.2	132,272	156,205	23,933	18.1
	GT 60 ft.	133	107	29.2	37.3	-26	-19.5	244,170	301,507	57,337	23.5
	LE 60 ft.	289	152	63.5	53.0	-137	-47.4	57,416	109,411	51,995	90.6
C. Gulf	Freezer	41	34	6.3	7.7	-7	-17.1	417,330	516,385	99,055	23.7
	GT 60 ft.	192	161	29.7	36.5	-31	-16.1	277,466	329,455	51,989	18.7
	LE 60 ft.	413	246	63.9	55.8	-167	-40.4	99,500	167,004	67,504	67.8
W. Gulf	Freezer	32	26	13.7	14.2	-6	-18.8	427,702	525,823	98,121	22.9
	GT 60 ft.	102	88	43.8	48.1	-14	-13.7	152,815	177,188	24,373	16.0
	LE 60 ft.	99	69	42.5	37.7	-30	-30.3	68,811	98,026	29,215	42.5
Bering Sea	Freezer	26	25	17.9	21.6	-1	-3.8	280,341	298,809	18,468	6.6
	GT 60 ft.	63	47	43.4	40.5	-16	-25.4	123,385	164,880	41,495	33.6
	LE 60 ft.	56	44	38.6	37.9	-12	-21.4	63,268	80,455	17,187	27.2
Aleutians	Freezer	27	29	20.0	27.1	2	7.4	604,757	619,044	14,287	2.4
	GT 60 ft.	63	47	46.7	44.3	-16	-25.4	202,136	240,843	38,707	19.2
	LE 60 ft.	45	30	33.3	28.3	-15	-33.3	66,514	87,984	21,470	32.3

2.3 QS Consolidation by Size of QS Holding

The tables in this section provide information on QS distribution at initial issuance and year-end 2006 by area and the relative size of the QS holding. Quota share holdings are classified into nine distinct size categories based upon their percentage of the total QS pool in the area. It is important to remember that a unit of QS translates into different amounts of IFQ in each area.

The IFQ program rules constrain how much QS a single person may accumulate. No person, individually or collectively, may use more than 1% of the combined total sablefish QS of all management areas unless the amount in excess of 1% was received at initial allocation. In the Southeast management area, no person may use, individually or collectively, an amount of sablefish QS that is more than 1% of the total for this area, unless the amount in excess was received at initial issuance.²¹

Table 2-3a indicates that 35.8% of the QS in the Southeast area was issued to persons who held less than .25 percent of the total area QS; whereas in the West Yakutat and Central Gulf areas, 18.8% and 22.9% of the respective area QS fell into this classification. In the Western Gulf, Bering Sea, and Aleutian Islands QS holdings were distributed among a wider range of the size classifications.

Table 2-3b provides similar information, but shows the number of persons at initial issuance and year-end 2006, by management area and relative size of QS holding. The table shows that in all areas the greatest number of QS holders fall into the “less than .25%” classification, especially in the Southeast, West Yakutat, and Central Gulf areas. For example, in the Southeast area, 83.4% of the persons were issued QS in amounts that represented less than 35.8% of the total area QS. The number of persons who were issued less than 25 % of the total area QS dropped significantly in all areas after initial issuance. This is due mainly to QS consolidations.

There were relatively few persons who held large percentages of an area’s QS pool. All of the persons who held percentages larger than 3% at initial issuance and at the end of 2006 were in the Western Gulf, Bering Sea, and Aleutian Islands. There were relatively few initial recipients in these areas.

²¹ See 50 CFR 679.42(e) and 50 CFR 679.41 (c)(6)

**Table 2-3a. Initial Allocation and Year-end 2006 QS
By Management Area and Size of QS Holding**

Area	Percent Of area QS	Initial amount of QS	2006 amount of QS	Initial Pct. of Area QS	2006 Pct. of Area QS	Change in total QS	Percent Change in QS
SE	% < .25	23,865,508	14,624,204	35.8	22.1	-9,241,304	-38.7
	.25 <= % < .5	17,643,910	19,657,062	26.5	29.7	2,013,152	11.4
	.5 <= % < 1.0	17,622,708	26,222,683	26.5	39.7	8,599,975	48.8
	1.0 <= % < 2.0	6,041,330	4,191,647	9.1	6.3	-1,849,683	-30.6
	2.0 <= % < 3.0	1,425,023	1,425,023	2.1	2.2	0	0.0
		-----	66,598,479	66,120,619			-477,860
WY	% < .25	10,025,036	6,429,827	18.8	12.1	-3,608,943	-36.0
	.25 <= % < .5	8,894,806	5,606,046	16.6	10.5	-3,288,760	-37.0
	.5 <= % < 1.0	10,684,258	13,735,854	20.0	25.8	3,051,596	28.6
	1.0 <= % < 2.0	16,636,299	19,882,211	31.1	37.3	3,245,912	19.5
	2.0 <= % < 3.0	7,216,303	5,895,992	13.5	11.1	-1,320,311	-18.3
	3.0 <= % < 4.0	0	1,716,500	0	3.2	1,716,500	na
	-----	53,470,436	53,266,430			-204,006	
CG	% < .25	25,492,004	15,425,727	22.9	13.8	-10,066,277	-39.5
	.25 <= % < .5	25,015,958	23,932,055	22.4	21.4	-1,083,903	-4.3
	.5 <= % < 1.0	40,873,484	35,809,881	36.6	32.1	-5,063,603	-12.4
	1.0 <= % < 2.0	17,570,412	31,410,679	15.8	28.1	13,840,267	78.8
	2.0 <= % < 3.0	2,592,603	5,108,290	2.3	4.6	2,515,687	97.0
		-----	111,544,461	111,686,632			142,171
WG	% < .25	3,556,667	2,372,916	9.9	6.6	-1,183,751	-33.3
	.25 <= % < .5	4,240,214	3,164,229	11.8	8.8	-1,075,985	-25.4
	.5 <= % < 1.0	5,216,893	5,569,369	14.5	15.5	352,476	6.8
	1.0 <= % < 2.0	5,582,068	8,897,748	15.5	24.7	3,315,680	59.4
	2.0 <= % < 3.0	3,705,934	1,712,587	10.3	4.8	-1,993,347	-53.8
	3.0 <= % < 4.0	7,539,696	5,054,011	20.9	14.0	-2,485,685	-33.0
	4.0 <= % < 5.0	0	3,013,836	0.0	8.4	3,013,836	0.0
	5.0 <= % < 10	1,980,599	1,980,599	5.5	5.5	0	0.0
	% >= 10	4,264,284	4,264,284	11.8	11.8	0	0.0
		-----	36,086,355	36,029,579			-56,776
BS	% < .25	1,187,823	770,296	6.4	4.3	-417,527	-35.2
	.25 <= % < .5	1,732,163	1,238,266	9.3	6.6	-493,897	-28.5
	.5 <= % < 1.0	1,867,212	2,012,721	10.0	10.0	145,509	7.8
	1.0 <= % < 2.0	4,601,014	3,784,668	24.7	20.6	-816,346	-17.7
	2.0 <= % < 3.0	1,311,894	3,370,562	7.0	17.9	2,058,668	156.9
	3.0 <= % < 4.0	3,431,274	1,337,745	18.4	7.1	-2,093,529	-61.0
	4.0 <= % < 5.0	1,690,292	1,730,310	9.1	9.2	40,018	2.4
	5.0 <= % < 10	2,805,004	4,545,799	15.1	24.2	1,740,795	62.1
		-----	18,626,676	18,790,367			163,691
AI	% < .25	1,933,843	1,234,924	6.1	3.9	-698,919	-36.1
	.25 <= % < .5	1,913,446	2,581,321	6.1	8.1	667,875	34.9
	.5 <= % < 1.0	3,090,361	1,965,968	9.8	5.5	-1,337,773	-43.3
	1.0 <= % < 2.0	8,440,549	5,248,937	26.8	17.1	-2,978,232	-35.3
	2.0 <= % < 3.0	3,550,927	4,802,835	11.3	15.0	1,251,908	35.3
	3.0 <= % < 4.0	2,041,047	2,332,355	6.5	7.3	291,308	14.3
	4.0 <= % < 5.0	0	0	0.0	0.0	0	0.0
	5.0 <= % < 10	3,008,437	13,766,152	9.5	43.1	10,757,715	357.6
	% >= 10	7,539,566	0	23.9	0.0	-7,539,566	-100.0
	-----	31,518,176	31,932,492			414,316	

**Table 2-3b. Initial Allocation and Year-end 2006 QS Holders
By Management Area and Size of QS Holding**

Area	Percent Of area QS	Initial Amount of QS holders	2006 Amount of QS holders	Initial Pct. of Area QS holders	2006 Pct. of Area QS holders	Change in total QS holders	Percent Change in QS holders	Initial average QS holding	Year end 2006 Average
SE	% < .25	596	298	83.4	67.6	-298	-50.0	40,043	49,075
	.25 <= % < .5	74	82	10.3	18.6	8	10.8	238,431	239,720
	.5 <= % < 1.0	37	55	5.2	12.5	18	48.6	476,289	476,776
	1.0 <= % < 2.0	7	5	1.0	1.1	-2	-28.6	863,047	838,329
	2.0 <= % < 3.0	1	1	0.1	0.2	0	0.0	1,425,023	1,425,023
	Total unique	715	441			-272			
WY	% < .25	352	168	77.2	63.4	-184	-52.3	28,561	38,273
	.25 <= % < .5	45	29	9.9	11.0	-16	-35.6	197,662	193,312
	.5 <= % < 1.0	30	35	6.6	13.3	5	16.7	356,142	392,453
	1.0 <= % < 2.0	23	27	5.0	10.3	4	17.4	723,317	736,378
	2.0 <= % < 3.0	6	5	1.3	1.9	-1	-16.7	1,202,717	1,179,198
	3.0 <= % < 4.0	0	1	0.0	0.4	1	100.0	0	1,716,500
Total unique	456	265			-135				
CG	% < .25	516	278	80.1	68.5	-238	-46.1	49,403	55,470
	.25 <= % < .5	60	58	9.3	14.3	-2	-3.3	416,933	409,945
	.5 <= % < 1.0	54	46	8.4	11.3	-8	-16.4	756,916	783,238
	1.0 <= % < 2.0	12	22	1.9	5.4	10	83.3	1,464,201	1,425,082
	2.0 <= % < 3.0	1	2	0.2	0.5	1	100.0	2,592,603	2,554,145
Total unique	642	406			-237				
WG	% < .25	153	97	65.7	56.7	-56	-36.6	23,246	24,463
	.25 <= % < .5	36	25	15.5	14.6	-11	-30.6	121,149	126,569
	.5 <= % < 1.0	21	21	9.0	12.3	0	0.0	248,423	265,208
	1.0 <= % < 2.0	11	18	4.7	10.5	7	63.6	507,461	494,319
	2.0 <= % < 3.0	4	2	1.7	1.2	-2	-50.0	926,484	856,294
	3.0 <= % < 4.0	6	4	2.6	2.3	-2	-33.3	1,256,616	1,263,503
	4.0 <= % < 5.0	0	2	0.0	1.2	2	100.0	0	1,506,918
	5.0 <= % < 10	1	1	0.4	0.6	0	0.0	1,980,599	1,980,599
	% >= 10	1	1	0.4	0.6	0	0.0	4,264,284	4,264,284
	Total unique	233	171			-62			
BS	% < .25	74	52	51.0	45.2	-22	-29.7	15,257	14,813
	.25 <= % < .5	27	19	18.6	16.5	-8	-29.6	65,172	65,172
	.5 <= % < 1.0	14	15	9.7	13.0	1	7.1	134,568	134,181
	1.0 <= % < 2.0	18	14	12.4	12.2	-4	-22.2	276,792	270,333
	2.0 <= % < 3.0	3	7	2.1	6.1	4	133.3	481,509	481,509
	3.0 <= % < 4.0	5	2	3.4	1.7	-3	-60.0	668,873	668,873
	4.0 <= % < 5.0	2	2	1.4	1.7	0	0.0	865,155	865,155
	5.0 <= % < 10	2	4	1.4	3.5	2	100.0	1,136,450	1,136,450
	Total unique	145	115			-30			
AI	% < .25	75	44	55.6	44.4	-31	-41.3	25,785	28,066
	.25 <= % < .5	17	23	12.6	23.2	6	35.3	112,556	112,231
	.5 <= % < 1.0	14	8	10.4	8.1	-6	-42.9	220,740	245,746
	1.0 <= % < 2.0	19	11	14.1	11.1	-8	-42.1	444,239	477,176
	2.0 <= % < 3.0	5	6	3.7	6.1	1	20.0	710,185	800,473
	3.0 <= % < 4.0	2	2	1.5	2.0	0	0.0	1,020,524	1,166,178
	4.0 <= % < 5.0	0	0	0.0	0.0	0	0.0	0	0
	5.0 <= % < 10	1	5	0.7	5.1	4	400.0	3,008,437	2,753,230
	% >= 10	2	0	1.5	0.0	-2	-100.0	3,769,783	0
	Total unique	135	99			-36			

3 Sablefish: QS Transfers and QS Prices

Permanent transferability of QS is an important feature of the IFQ program. Transfers allow QS to move to persons who feel that they can use it more profitably and to consolidate QS holdings and fishing operations. This chapter looks at the extent of permanent transfers and the prices paid for QS in permanent transactions during the first 12 years of the program.

Section 3.1 presents data on the volume and rate of permanent QS transfers and on the number and percentage of persons who transferred QS, by management area, from 1995 through 2006.

Section 3.2 presents similar data on QS transfer rates and on QS holder transfer rates, by management area and vessel category from 1995 through 2006. In this section tables, “LE” means “less than or equal to” and GT means “greater than”. Categories refer to the length overall at the vessel on which IFQ generally may be fished.

Section 3.3 presents estimates of average prices for permanent QS transfers broken out by management area, vessel category, and year.

3.1 Transfer Rates by Area

Table 3-1 displays data on QS transfer rates and on QS holder transfer rates for each management area and year from 1995 through 2006, and for all 12 years together. The table contains information on the QS holdings at the end of each year, the total QS permanently transferred, the QS transfer rate, the total number of QS holders at the end of the year, the total number of QS holders who transferred QS (transferors), and the rate at which QS holders transferred QS. The QS transfer rates are the ratios of QS transferred to QS held at the end of the year, expressed as a percentage. The QS holder transfer rate is the ratio of QS transferors to total QS holders at the end of the year, expressed as a percentage. These data reflect total units transferred even if a particular unit is transferred more than once. “All Year” data reflect sums of annual QS and QS holders and QS transferors, not numbers of unique QS units or persons.

Table 3-1 shows a substantial volume of permanent QS transfers. Over all 12 years combined, the QS transfer rates range from a low of 4.9% in the West Yakutat area, to a high of 11.7% in the Bering Sea area. No single area appeared to consistently have the lowest or highest QS transfer rate during the different years.

The QS transfer rates for the 12 year period tended to be slightly lower than transfer rates for the State of Alaska limited entry permits. Over the years 1995 to 2006, the ratio of the total number of limited entry permit transfers to the total number of transferable permit-years, interpreted here as the permit transfer rate, was 6.4%. Annual average permit transfer rates during the period ranged from 5.4% to 9%.²²

²²Iverson, Kurt, Al Tingley, and Elaine Dinneford. *Executive Summary. Changes in the Distribution of Alaska's Commercial Fisheries Entry Permits, 1975-1998*. Alaska Commercial Fisheries Entry Commission. CFEC 99-3N-EXEC. Juneau: July, 1999. Table 1, page 4. However, transfer rates of State of Alaska limited entry permits and sablefish QS units are not strictly comparable. Limited entry permits provide an all-or-nothing access to the fishery, and leasing is prohibited, except in emergency cases. Sablefish QS units may be leased and can be transferred in small amounts by persons who remain in the fishery.

In five of the six management areas, the volume of QS transferred, and the QS transfer rate in 2006, both fell by large amounts, and the Western Gulf area was the only area in which both volume and rate rose.

Table 3-1 also reports on the QS holder transfer rates. These are the rates derived from the ratios of the number of persons transferring QS to the total number of persons holding QS at the end of the calendar year. Over the 12 years combined, these rates ranged from a low of 10.2% in the Bering Sea area to a high of 13.1% in the Southeast area.

In all but the Western Gulf the number of QS transferors and the QS transferor rate dropped from 1997 to 2006. Some of these declines in QS transferors were substantial, and were likely due to overall consolidation of holders as initial issues left the fisheries.

QS holder transfer rates tended to be higher than the QS transfer rates, reflecting the overall trend toward fewer QS holders over time. In the Bering Sea area the QS transfer rate was slightly lower, while in the Southeastern area the QS holder transfer rate was slightly higher.

Table 3-1. Sablefish QS Transfer Rates by Area and Year

Area	Year	Year-end Total QS	QS Transferred	QS Transfer Rate (%)	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate (%)
Southeast	1995	65,352,762	5,897,820	9.0	656	141	21.5
	1996	65,829,475	5,784,397	8.8	608	120	19.7
	1997	65,938,762	5,115,313	7.8	553	105	19.0
	1998	65,967,848	3,403,226	5.2	525	52	9.9
	1999	66,030,961	5,353,658	8.1	505	58	11.5
	2000	66,030,961	3,357,915	5.1	489	50	10.2
	2001	66,030,961	2,769,929	4.2	482	34	7.1
	2002	66,119,746	5,910,683	8.9	479	47	9.8
	2003	66,119,746	5,665,033	8.6	479	67	14.0
	2004	66,120,619	3,412,202	5.2	462	34	7.4
	2005	66,120,619	6,198,521	9.4	450	52	11.6
	2006	66,120,619	3,382,637	5.1	439	40	9.1
	All Yrs		791,783,079	56,251,334	7.1	6,127	800
W. Yakutat	1995	52,597,269	3,278,470	6.2	420	69	16.4
	1996	53,028,226	3,851,410	7.3	392	75	19.1
	1997	53,116,620	4,143,981	7.8	350	83	23.7
	1998	53,207,225	2,113,715	4.0	341	30	8.8
	1999	53,231,066	3,657,142	6.9	320	52	16.3
	2000	53,231,066	2,844,326	5.3	298	38	12.8
	2001	53,231,066	1,911,032	3.6	297	18	6.1
	2002	53,267,935	2,470,596	4.6	294	23	7.8
	2003	53,267,935	2,378,558	4.5	294	31	10.5
	2004	53,266,430	1,167,589	2.2	278	16	5.8
	2005	53,266,430	2,306,911	4.3	273	31	11.4
	2006	53,266,430	1,229,664	2.3	263	20	7.6
	All Yrs		637,977,698	31,353,394	4.9	3,820	486
C. Gulf	1995	107,635,310	7,833,476	7.3	592	98	16.6
	1996	109,997,846	9,401,578	8.5	553	95	17.2
	1997	110,873,858	11,371,524	10.3	496	116	23.4
	1998	111,032,423	4,623,131	4.2	479	39	8.1
	1999	111,619,720	7,787,875	7.0	459	53	11.5
	2000	111,765,502	8,526,477	7.6	440	51	11.6
	2001	111,619,720	9,709,804	8.7	437	37	8.5
	2002	111,668,048	7,673,777	6.9	433	36	8.3
	2003	111,668,048	7,987,054	7.2	433	61	14.1

Table 3-1 continued. Sablefish QS Transfer Rates by Area and Year

Area	Year	Year-end Total QS	QS Transferred	QS Transfer Rate (%)	Year-end Total QS Holders	QS Transferors	QS holder Transfer Rate (%)
C. Gulf Cont.	2004	111,686,632	3,752,505	3.4	425	32	7.5
	2005	111,686,632	3,934,249	3.5	408	47	11.5
	2006	111,686,632	7,289,316	6.5	402	31	7.7
	All Yrs	1,332,940,371	89,890,766	6.7	5,557	696	12.5
W. Gulf	1995	35,196,842	1,908,499	5.4	217	27	12.4
	1996	35,793,302	3,493,549	9.8	211	22	10.4
	1997	35,935,239	2,537,045	7.1	197	44	22.3
	1998	35,951,012	2,046,738	5.7	187	25	13.4
	1999	36,028,233	2,826,432	7.8	185	18	9.7
	2000	36,029,105	2,224,416	6.2	172	26	15.1
	2001	36,029,105	5,792,429	16.1	174	27	15.5
	2002	36,029,105	3,006,399	8.3	170	16	9.4
	2003	36,029,105	3,022,785	8.4	170	18	10.6
	2004	36,029,579	2,988,363	8.3	170	23	13.5
	2005	36,029,579	3,388,895	9.4	171	17	9.9
	2006	36,029,579	3,153,465	8.8	168	22	13.1
	All Yrs	431,109,785	36,389,015	8.4	2,192	285	13.0
	Bering Sea	1995	17,598,802	1,003,527	5.7	138	13
1996		18,421,029	1,526,743	8.3	135	8	5.9
1997		18,602,398	1,266,994	6.8	131	10	7.6
1998		18,587,476	2,347,047	12.6	128	7	5.5
1999		18,768,845	3,017,164	16.1	127	13	10.2
2000		18,768,845	2,187,174	11.7	115	19	16.5
2001		18,768,845	2,446,748	13.0	115	13	11.3
2002		18,768,845	2,415,111	12.9	112	13	11.6
2003		18,768,845	5,417,604	28.9	112	22	19.6
2004		18,790,367	1,764,584	9.4	112	7	6.3
2005		18,790,367	1,580,750	8.4	115	11	9.6
2006		18,790,367	1,263,285	6.7	113	12	10.6
All Yrs		223,425,031	26,236,731	11.7	1,453	148	10.2
Aleutians		1995	29,863,329	2,143,624	7.2	125	14
	1996	31,103,860	2,062,710	6.6	130	9	6.9
	1997	31,518,176	4,917,176	15.6	124	17	13.7
	1998	31,518,176	2,526,775	8.0	119	17	14.3
	1999	31,932,492	5,222,044	16.4	112	14	12.5
	2000	31,932,492	2,375,500	7.4	103	19	18.4
	2001	31,932,492	3,487,485	10.9	96	15	15.6
	2002	31,932,492	4,077,120	12.8	97	9	9.3
	2003	32,932,492	4,024,747	12.2	97	10	10.3
	2004	31,932,492	1,376,465	4.3	97	5	5.2
	2005	31,932,492	6,102,631	19.1	99	11	11.1
	2006	31,932,492	4,116,387	12.9	98	10	10.2
	All Yrs	380,463,477	42,432,664	11.2	1,297	150	11.6

3.2 Transfer Rates by Area and Vessel Category

The annual QS and QS holder transfer rates for each area and vessel category are shown in Table 3-2. Data are provided for each year from 1995 through 2006, and for all 12 years together. The information shown in this table is similar to that presented in Table 3-1; however, observations include more detailed management area and vessel category breakouts, as opposed to the management area summaries presented in Table 3-1.

Table 3-2 contains information on the QS holdings at the end of each year, the total QS permanently transferred, the QS transfer rate, the total number of QS holders at the end of the year, the total number of QS holders who transferred QS (transferors), and the rate at which QS holders transferred QS. The QS transfer rates are the ratios of QS transferred to total QS held at the end of the year, expressed in percentage form. The QS holder transfer rate is the ratio of QS transferors to total QS holders at the end of the year, expressed as a percentage.

QS transfer rates often diverged widely among vessel categories within an area. For example, over the 12 year period the average QS transfer rate for catcher vessels “greater than 60 feet” in the Aleutian Islands area was only 14.4%, while the rate for catcher vessel “60 feet or less” was 15.3%. Similarly, in the Central Gulf area, the QS transfer rate for catcher vessel “greater than 60 feet” was 5.8% while the rate for freezer vessels was 8.7%. QS holder transfer rates also showed large differences among vessel categories.

The Aleutians area had the highest “12 year” average QS transfer rates in the “less than or equal to 60 foot” catcher vessel categories.

Table 3-2. Sablefish QS Transfer Rates by Area, Vessel Class, and Year

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS holders	QS Transferors	QS Holder Transfer Rate %
Southeast	1995	Freezer	6,070,255	270,348	4.5	44	6	13.6
		GT 60 ft.	13,542,232	1,017,460	7.5	117	18	15.4
		LE 60 ft.	45,740,275	4,610,012	10.1	500	118	23.6
	1996	Freezer	5,985,260	600,437	10.0	41	9	22.0
		GT 60 ft.	13,485,766	1,665,863	12.4	110	20	18.2
		LE 60 ft.	46,358,449	3,518,097	7.6	463	91	19.7
	1997	Freezer	6,041,780	325,355	5.4	38	9	23.7
		GT 60 ft.	13,460,403	661,090	4.9	104	14	13.5
		LE 60 ft.	46,436,579	4,128,868	8.9	422	87	20.6
	1998	Freezer	6,070,866	244,737	4.0	40	3	7.5
		GT 60 ft.	13,460,403	381,551	2.8	102	7	6.9
		LE 60 ft.	46,436,579	2,776,938	6.0	397	42	10.6
	1999	Freezer	5,985,260	142,072	2.3	41	4	9.8
		GT 60 ft.	13,485,766	692,747	5.2	110	11	11.8
		LE 60 ft.	46,358,449	4,450,439	9.6	463	42	11.2
	2000	Freezer	6,133,979	325,355	5.4	41	4	9.8
		GT 60 ft.	12,945,008	661,090	4.9	91	10	11.0
		LE 60 ft.	46,462,101	4,128,868	8.9	370	36	9.7
	2001	Freezer	6,133,979	88,970	4.0	39	2	5.1
		GT 60 ft.	13,432,800	469,488	2.8	91	2	2.2
		LE 60 ft.	46,462,187	2,211,471	6.0	362	31	8.6

Table 3-2 continued. Sablefish QS Transfer Rates by Area, Vessel Class, and Year

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS holders	QS Transferors	QS Holder Transfer Rate %
Southeast Cont.	2002	Freezer	6,133,979	211,570	3.4	39	4	10.3
		GT 60 ft.	13,432,800	1,775,616	13.2	90	12	13.3
		LE 60 ft.	46,462,728	3,923,497	8.4	359	32	8.9
	2003	Freezer	6,133,979	117,078	1.9	36	4	11.1
		GT 60 ft.	13,432,800	1,403,887	10.5	88	13	14.8
		LE 60 ft.	46,551,513	4,144,068	8.9	353	51	14.4
	2004	Freezer	6,133,979	8,191	0.1	35	1	2.9
		GT 60 ft.	13,433,673	443,784	3.3	86	5	5.8
		LE 60 ft.	46,551,513	2,960,227	6.4	352	28	8.0
	2005	Freezer	6,133,979	54,897	0.9	34	2	5.9
		GT 60 ft.	13,433,673	1,830,994	13.6	84	9	10.7
		LE 60 ft.	46,551,513	4,312,630	9.3	342	42	12.3
	2006	Freezer	6,133,979	29,112	0.5	34	2	5.9
		GT 60 ft.	13,433,673	377,888	2.8	83	4	4.8
		LE 60 ft.	46,551,513	2,975,637	6.4	333	34	10.2
All Yrs	Freezer	73,239,993	2,418,122	3.3	455	50	11.0	
	GT 60 ft.	161,424,767	11,381,458	7.1	1,138	125	11.0	
	LE 60 ft.	557,119,192	44,140,752	7.9	4,594	634	13.8	
W. Yakutat	1995	Freezer	4,266,270	198,867	4.7	33	4	12.1
		GT 60 ft.	32,059,405	1,509,862	4.7	123	16	13.0
		LE 60 ft.	16,271,594	1,569,741	9.6	268	49	18.3
	1996	Freezer	4,279,728	484,520	11.3	32	6	18.8
		GT 60 ft.	32,170,690	1,546,931	4.8	127	19	15.0
		LE 60 ft.	16,577,808	1,819,959	11.0	244	51	20.9
	1997	Freezer	4,326,056	332,112	7.7	32	7	21.9
		GT 60 ft.	32,192,683	2,083,535	6.5	119	28	23.5
		LE 60 ft.	16,597,881	1,728,334	10.4	211	54	25.6
	1998	Freezer	4,349,897	92,123	2.1	32	4	12.5
		GT 60 ft.	32,261,525	1,389,662	4.3	119	13	10.9
		LE 60 ft.	16,595,803	631,930	3.8	203	15	7.4
	1999	Freezer	4,373,738	354,935	8.1	30	8	26.7
		GT 60 ft.	32,261,525	1,038,209	3.2	112	16	14.3
		LE 60 ft.	16,595,803	2,263,998	13.6	181	31	17.1
	2000	Freezer	4,373,738	88,257	2.0	29	3	10.3
		GT 60 ft.	32,261,525	1,096,698	3.4	115	14	12.2
		LE 60 ft.	16,595,803	1,659,371	10.0	178	24	13.5
	2001	Freezer	4,373,738	0	0.0	29	0	0.0
		GT 60 ft.	32,261,525	1,439,126	4.5	113	7	6.2
		LE 60 ft.	16,595,803	471,906	2.8	178	12	6.7
	2002	Freezer	4,373,738	122,912	2.8	29	2	6.9
		GT 60 ft.	32,260,508	1,665,241	5.2	112	10	8.9
		LE 60 ft.	16,595,795	682,443	4.1	177	11	6.2
	2003	Freezer	4,373,738	90,979	2.1	29	2	6.9
		GT 60 ft.	32,260,508	1,617,995	5.0	110	14	12.7
		LE 60 ft.	16,632,664	669,584	4.0	170	16	9.4
	2004	Freezer	4,373,738	382,874	8.8	29	2	6.9
		GT 60 ft.	32,261,214	106,431	0.3	109	2	1.8
		LE 60 ft.	16,630,453	678,284	4.1	165	12	7.3
2005	Freezer	4,373,738	16,224	0.4	29	1	3.4	
	GT 60 ft.	32,261,214	1,719,850	5.3	108	13	12.0	
	LE 60 ft.	16,609,747	570,837	3.4	160	18	11.3	
2006	Freezer	4,373,738	473,710	10.8	28	3	10.7	
	GT 60 ft.	32,261,214	233,319	0.7	107	1	0.9	
	LE 60 ft.	16,630,453	522,635	3.1	152	16	10.5	
All Yrs	Freezer	52,211,855	2,637,513	5.1	361	42	11.6	
	GT 60 ft.	386,773,536	15,446,859	4.0	1,374	153	11.1	
	LE 60 ft.	198,929,607	13,269,022	6.7	2,287	309	13.5	
C. Gulf	1995	Freezer	15,067,735	563,533	3.7	41	4	9.8
		GT 60 ft.	52,735,414	2,888,961	5.5	179	25	14.0
		LE 60 ft.	39,832,161	4,380,982	11.0	379	70	18.5
	1996	Freezer	16,129,641	1,357,590	8.4	42	6	14.3
		GT 60 ft.	52,874,736	3,716,581	7.0	176	28	15.9
		LE 60 ft.	40,993,469	4,327,407	10.6	350	61	17.4

Table 3-2 continued. Sablefish QS Transfer Rates by Area, Vessel Class, and Year

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS holders	QS Transferors	QS Holder Transfer Rate %
C. Gulf Cont.	1997	Freezer	16,922,204	1,715,121	10.1	37	9	24.3
		GT 60 ft.	52,921,573	5,425,820	10.3	172	41	23.8
		LE 60 ft.	41,030,081	4,230,583	10.3	310	73	23.5
	1998	Freezer	16,969,807	234,434	1.4	37	3	8.1
		GT 60 ft.	53,025,668	1,228,754	2.3	171	12	7.0
		LE 60 ft.	41,036,948	3,159,943	7.7	300	26	8.7
	1999	Freezer	17,557,104	1,281,046	7.3	36	7	19.4
		GT 60 ft.	53,025,668	4,302,556	8.1	163	16	9.8
		LE 60 ft.	41,036,948	2,204,273	5.4	283	32	11.3
	2000	Freezer	17,557,104	714,700	4.1	36	3	8.3
		GT 60 ft.	53,025,668	3,582,712	6.8	168	23	13.7
		LE 60 ft.	41,036,948	4,229,065	10.3	273	30	11.0
	2001	Freezer	17,557,104	5,230,011	29.8	36	3	8.3
		GT 60 ft.	53,025,668	3,060,580	5.8	172	11	6.4
		LE 60 ft.	41,036,948	1,419,213	3.5	266	25	9.4
	2002	Freezer	17,557,104	1,743,337	9.9	36	1	2.8
		GT 60 ft.	53,025,668	3,002,453	5.7	168	10	6.0
		LE 60 ft.	41,085,276	2,927,987	7.1	268	26	9.7
	2003	Freezer	17,557,104	689,583	3.9	36	3	8.3
		GT 60 ft.	53,044,252	4,183,341	7.9	164	26	15.9
		LE 60 ft.	41,085,276	3,114,130	7.6	264	39	14.8
	2004	Freezer	17,557,104	632,441	3.6	36	2	5.6
		GT 60 ft.	53,044,252	1,182,043	2.2	161	13	8.1
		LE 60 ft.	41,085,276	1,938,021	4.7	254	19	7.5
	2005	Freezer	17,557,104	5,913	0.0	34	1	2.8
		GT 60 ft.	53,044,252	2,164,835	4.1	162	14	8.6
		LE 60 ft.	41,085,276	1,763,501	4.3	249	33	13.3
	2006	Freezer	17,557,104	3,654,957	20.8	34	5	14.7
		GT 60 ft.	53,044,252	2,454,942	4.6	165	10	6.1
		LE 60 ft.	41,085,276	1,179,417	2.9	241	17	7.1
All Yrs	Freezer	205,546,219	17,822,666	8.7	441	47	10.7	
	GT 60 ft.	635,837,071	37,193,578	5.8	2,021	229	11.3	
	LE 60 ft.	491,429,883	34,874,522	7.1	3,437	451	13.1	
W. Gulf	1995	Freezer	13,398,039	44,223	0.3	29	3	10.3
		GT 60 ft.	15,330,271	333,425	2.2	98	8	8.2
		LE 60 ft.	6,468,532	1,530,851	23.7	93	16	17.2
	1996	Freezer	13,469,942	1,918,954	14.2	31	4	12.9
		GT 60 ft.	15,545,162	727,606	4.7	96	8	8.3
		LE 60 ft.	6,778,198	846,989	12.5	89	10	11.2
	1997	Freezer	13,578,407	125,774	0.9	30	6	20.0
		GT 60 ft.	15,590,669	1,052,556	6.8	93	23	24.7
		LE 60 ft.	6,766,163	1,358,715	20.1	84	18	21.4
	1998	Freezer	13,594,180	97,620	0.7	30	1	3.3
		GT 60 ft.	15,591,876	1,362,289	8.7	91	14	15.4
		LE 60 ft.	6,764,956	586,829	8.7	78	12	15.4
	1999	Freezer	13,671,401	295,085	2.2	29	2	6.9
		GT 60 ft.	15,592,748	1,407,931	9.0	89	7	7.9
		LE 60 ft.	6,764,956	807,554	11.9	76	7	9.2
	2000	Freezer	13,671,401	0	0.0	29	0	0.0
		GT 60 ft.	15,592,748	1,390,305	8.9	91	12	13.8
		LE 60 ft.	6,764,956	834,111	12.3	75	15	20.3
	2001	Freezer	13,671,401	2,288,374	16.7	28	7	25.0
		GT 60 ft.	15,592,748	2,494,692	16.0	91	14	15.6
		LE 60 ft.	6,764,956	1,009,363	14.9	72	12	16.4
	2002	Freezer	13,671,401	583,439	4.3	28	1	3.6
		GT 60 ft.	15,592,748	2,107,307	13.5	92	12	13.3
		LE 60 ft.	6,764,956	315,653	4.7	72	6	8.6
	2003	Freezer	13,671,401	0	0.0	27	0	0.0
		GT 60 ft.	15,593,222	1,698,800	10.9	90	12	13.2
		LE 60 ft.	6,764,956	1,323,985	19.6	70	8	11.4
	2004	Freezer	13,671,401	90,121	0.7	27	1	3.7
		GT 60 ft.	15,593,222	1,683,508	10.8	90	15	16.9
		LE 60 ft.	6,764,956	1,214,734	18.0	73	12	17.6

Table 3-2 continued. Sablefish QS Transfer Rates by Area, Vessel Class, and Year

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS holders	QS Transferors	QS Holder Transfer Rate %	
W. Gulf Cont.	2005	Freezer	13,671,401	0	0.0	26	0	0.0	
		GT 60 ft.	15,593,222	2,384,596	15.3	89	10	11.2	
		LE 60 ft.	6,764,956	1,004,299	14.8	71	8	11.3	
	2006	Freezer	13,671,401	1,000,415	7.3	26	6	23.1	
		GT 60 ft.	15,596,926	1,120,282	7.2	88	7	8.0	
		LE 60 ft.	6,761,252	1,032,768	15.3	70	10	14.5	
	All Yrs	Freezer	163,411,776	6,444,005	3.9	339	31	9.1	
		GT 60 ft.	186,805,562	17,763,297	9.5	1,098	142	12.9	
		LE 60 ft.	80,893,793	11,865,851	14.7	923	134	14.5	
Bering Sea	1995	Freezer	6,654,211	237,952	3.6	23	4	17.4	
		GT 60 ft.	7,773,286	235,905	3.0	61	3	4.9	
		LE 60 ft.	3,171,305	529,670	16.7	55	6	10.9	
	1996	Freezer	7,107,489	779,205	11.0	26	2	7.7	
		GT 60 ft.	7,773,286	295,952	3.8	59	2	3.4	
		LE 60 ft.	3,540,254	451,586	12.8	52	4	7.7	
	1997	Freezer	7,288,858	360,448	4.9	26	2	7.7	
		GT 60 ft.	7,773,286	258,139	3.3	57	4	7.0	
		LE 60 ft.	3,540,254	648,407	18.3	51	4	7.8	
	1998	Freezer	7,288,858	2,294,040	31.5	25	5	20.0	
		GT 60 ft.	7,758,364	53,007	0.7	55	2	3.6	
		LE 60 ft.	3,540,254	0	0.0	51	0	0.0	
	1999	Freezer	7,470,227	784,638	10.5	24	3	12.5	
		GT 60 ft.	7,758,364	1,542,152	19.9	53	6	11.3	
		LE 60 ft.	3,540,254	181,379	5.1	46	2	4.3	
	2000	Freezer	7,470,227	0	0.0	24	0	0.0	
		GT 60 ft.	7,758,364	1,499,004	19.3	52	9	17.3	
		LE 60 ft.	3,540,254	688,170	19.4	46	10	21.7	
	2001	Freezer	7,470,227	927,980	12.4	23	4	17.4	
		GT 60 ft.	7,758,364	1,295,958	16.7	53	7	13.2	
		LE 60 ft.	3,540,254	222,810	6.3	46	8	17.4	
	2002	Freezer	7,470,227	1,130,791	15.1	25	4	16.0	
		GT 60 ft.	7,758,364	1,260,460	16.2	47	7	14.9	
		LE 60 ft.	3,540,254	23,860	0.7	45	2	4.4	
	2003	Freezer	7,470,227	2,862,709	38.3	25	4	16.0	
		GT 60 ft.	7,779,886	2,443,732	31.4	47	16	34.0	
		LE 60 ft.	3,540,254	111,163	3.1	45	3	6.7	
	2004	Freezer	7,470,227	90,212	1.2	25	1	4.0	
		GT 60 ft.	7,779,886	767,107	9.9	48	4	8.3	
		LE 60 ft.	3,540,254	907,265	25.6	46	2	4.3	
	2005	Freezer	7,470,227	969,025	13.0	25	8	32.0	
		GT 60 ft.	7,779,886	611,725	7.9	48	4	8.3	
		LE 60 ft.	3,540,254	0	0.0	45	0	0.0	
	2006	Freezer	7,470,227	333,389	4.5	25	4	16.0	
		GT 60 ft.	7,779,886	331,752	4.3	48	2	4.2	
		LE 60 ft.	3,540,254	598,144	16.9	44	6	13.6	
	All Yrs	Freezer	88,101,232	10,770,389	12.2	296	41	13.9	
		GT 60 ft.	93,231,222	10,594,893	11.4	628	66	10.5	
		LE 60 ft.	42,114,099	4,362,454	10.4	572	47	8.2	
	Aleutians	1995	Freezer	16,374,036	695,809	4.2	28	3	10.7
			GT 60 ft.	11,086,468	550,180	5.0	58	6	10.3
			LE 60 ft.	2,402,825	897,635	37.4	41	5	12.2
		1996	Freezer	17,123,651	1,213,703	7.1	30	3	10.0
			GT 60 ft.	11,319,633	352,931	3.1	60	3	5.0
			LE 60 ft.	2,660,576	496,076	18.6	42	3	7.1
		1997	Freezer	17,537,967	3,560,809	20.3	29	6	20.7
			GT 60 ft.	11,319,633	743,433	6.6	59	5	8.5
			LE 60 ft.	2,660,576	612,934	23.0	41	6	14.6
1998		Freezer	17,537,967	633,790	3.6	29	3	10.3	
		GT 60 ft.	11,319,633	1,501,959	13.3	56	9	16.1	
		LE 60 ft.	2,660,576	391,026	14.7	40	5	12.5	
1999		Freezer	17,952,283	790,836	4.4	28	2	7.1	
		GT 60 ft.	11,319,633	3,937,790	34.8	51	9	17.6	
		LE 60 ft.	2,660,576	79,102	3.0	32	2	6.3	

Table 3-2 continued. Sablefish QS Transfer Rates by Area, Vessel Class, and Year

Area	Year	Vessel Class	Year-end Total QS	QS Transferred	QS Transfer Rate %	Year-end Total QS holders	QS Transferors	QS Holder Transfer Rate %
Aleutians Cont.	2000	Freezer	17,952,283	1,108,521	6.2	27	2	7.1
		GT 60 ft.	11,319,633	988,765	8.7	50	9	15.7
		LE 60 ft.	2,660,576	278,214	10.5	30	10	32.3
	2001	Freezer	17,952,283	1,639,258	9.1	28	5	14.8
		GT 60 ft.	11,319,633	1,617,966	14.3	50	7	12.0
		LE 60 ft.	2,660,576	230,261	8.7	29	5	17.2
	2002	Freezer	17,952,283	2,760,605	15.4	27	4	7.1
		GT 60 ft.	11,319,633	698,573	6.2	49	5	8.0
		LE 60 ft.	2,660,576	617,942	23.4	29	5	14.3
	2003	Freezer	17,952,283	282,769	1.6	28	1	3.7
		GT 60 ft.	11,319,633	3,219,850	28.4	49	8	14.3
		LE 60 ft.	2,660,576	522,128	19.8	31	2	7.1
	2004	Freezer	17,952,283	311,496	1.7	28	2	7.1
		GT 60 ft.	11,319,633	792,700	7.0	48	3	6.1
		LE 60 ft.	2,660,576	272,269	10.3	31	3	3.3
	2005	Freezer	17,952,283	2,900,646	16.2	29	2	7.1
		GT 60 ft.	11,319,633	2,989,377	26.4	47	10	16.7
		LE 60 ft.	2,660,576	212,608	8.1	31	2	6.7
	2006	Freezer	17,952,283	1,793,830	10.0	28	3	10.7
		GT 60 ft.	11,319,633	2,085,637	18.4	46	4	8.7
		LE 60 ft.	2,660,576	236,920	9.0	30	3	10.0
All Yrs	Freezer	212,191,885	17,692,072	8.3	339	33	9.7	
	GT 60 ft.	135,602,431	19,479,161	14.4	623	72	11.6	
	LE 60 ft.	31,669,161	4,847,115	15.3	407	48	11.8	

3.3 QS Sales Prices

This section uses information on transfers to provide estimates of average prices per unit of sablefish QS. Due to a significant database change, 1999 data are not available in the following tables.

Table 3-3 shows estimated weighted annual prices per QS unit transferred by area for 1995 through 2006. QS may be transferred without all of the associated current-year IFQs. The prices shown in this table were calculated from transfers in which the actual current-year IFQ was transferred with the QS and was within 5% of the standard IFQ per unit of QS for that year and management area.²³ The pounds of IFQ, the amount of QS, and the number of transfers used to produce the estimates are also shown.

The QS prices for the Bering Sea and Aleutian Islands QS were generally based on only a few transactions; prices tended to be much lower in other areas. QS prices in dollars per QS unit are not comparable across areas since the ratio of IFQ to QS differs from area to area and from year to year as TACs change.

Prices in dollars per pound of associated IFQ are more comparable across areas. In the four areas in which prices are based on a relatively large number of transactions, the prices ranged from a low of \$2.01 in the Aleutian Islands area in 2000 to a high of \$12.60 in the Central Gulf area in 2006. The estimated average prices in dollars per pound of IFQ rose in each year in the Southeast, West Yakutat, and Central Gulf areas. The estimated prices did not show systematic changes in the Western Gulf, Bering Sea or Aleutian Islands areas.

Table 3-4 provides a more detailed breakout of QS price estimates by management area and vessel category (as opposed to the management area analysis in Table 3-3). The price analysis data shown are the same as in Table 3-3.

In many of the area and vessel category combinations there are so few transactions that confidentiality standards do not permit reporting the price data. In some of the cases for which estimated prices are reported, they are based on small numbers of transactions. In the Southeast, West Yakutat and Central Gulf areas, the price of QS tended to go up over the 1995 through 2006 time period, repeating the pattern observed in the more aggregated data summarized in Table 3-3.

Table 3-5 provides associated annual QS price information for transfers in which QS was sold without any of the current year IFQ. To avoid confusion, prices are provided only in dollars per QS unit. There are fewer of these types of observations than there are of transfers of QS with all or most associated IFQ. Hence, prices are only available for three management areas. Note that, as before, prices in dollars per QS unit are not easily

²³Standard IFQs were calculated by multiplying the amount of QS by the ratio of the area's total allowable catch to the amount of QS in the area's QS pool on January 31st of the year. Mean and standard deviations for the price per QS unit are provided in dollars per pound of IFQ and in dollars per QS unit.

comparable across management areas due to the differences in the amount of IFQ pounds per QS unit across areas. The available estimates of average prices range from a low of \$0.49 per QS unit in the West Yakutat area in 1998 to a high of \$1.58 per QS unit in the Southeast area in 1998.

For all of these tables there are several caveats associated with the reported statistics. The information provided on the NMFS transfer application forms can be ambiguous. The form does not explicitly differentiate between sale transfers and other transfers. Sale transfer observations used in the tables in this section were selected because prices were supplied. Other sale transfer observations, for which no prices were supplied, could not be used to make the estimate.

The transfer application forms from which pricing data were gathered also differed somewhat among years. For example, the 1995 form requested prices net of brokers' fees, while the 1996 through 2006 forms requested prices including fees.

The associated current year IFQ is important in determining QS prices, but the ratio of IFQ to QS can vary between holdings within a management area due to underages and overage adjustments from the preceding year. In addition, only a portion of the associated current year IFQ might have been transferred with the QS. This makes it harder to calculate a meaningful average price per QS unit within a management area. This difficulty has been dealt with herein by calculating QS prices for QS sold with "approximately" the associated current year IFQ and for QS sold with no current year IFQ.

Table 3-3. Annual Prices for Sablefish QS and IFQ Transfers by Area and Year

Area	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Total IFQs Transferred Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing
Southeast	1995	6.73	0.95	714,993	1.28	0.18	3,771,994	102
	1996	8.05	1.61	460,777	1.21	0.24	3,067,913	86
	1997	10.76	2.02	303,609	1.31	0.25	2,496,791	72
	1998	11.11	1.96	102,892	1.29	0.23	886,458	31
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	10.57	1.78	166,186	1.25	0.21	1,400,980	34
	2001	12.22	4.79	212,746	1.37	0.54	1,896,455	29
	2002	10.23	1.92	405,427	1.10	0.21	3,783,682	43
	2003	11.00	1.82	411,183	1.31	0.22	3,464,060	55
	2004	11.69	1.73	209,397	1.47	0.22	1,666,128	32
	2005	11.57	1.09	279,550	1.38	0.13	2,348,556	41
2006	12.18	1.35	205,200	1.43	0.16	1,749,468	30	
W. Yakutat	1995	5.93	0.87	208,230	0.92	0.13	1,339,123	33
	1996	7.62	1.23	240,912	0.88	0.14	2,090,726	51
	1997	9.04	2.11	182,257	0.85	0.20	1,928,688	58
	1998	9.23	2.66	22,538	0.83	0.24	250,157	17
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	10.15	2.35	111,492	0.81	0.19	1,402,337	27
	2001	10.01	2.57	38,808	0.74	0.19	523,760	11
	2002	10.49	3.30	143,866	0.73	0.23	2,065,214	20
	2003	10.87	2.00	79,239	0.91	0.17	945,017	20
	2004	12.21	2.05	28,031	1.13	0.19	303,156	9
	2005	12.47	2.64	132,276	1.17	0.25	1,408,437	21
2006	11.48	1.72	80,974	0.94	0.14	983,166	20	
C. Gulf	1995	6.02	0.92	542,427	0.82	0.12	3,979,925	53
	1996	7.06	1.59	576,517	0.77	0.17	5,312,742	70
	1997	9.36	1.73	707,533	0.95	0.18	6,950,682	82
	1998	10.68	2.42	218,048	1.07	0.24	2,176,369	39
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	9.11	1.58	448,909	0.82	0.14	4,958,461	49
	2001	9.64	1.84	124,247	0.82	0.16	1,455,795	29
	2002	9.98	2.85	251,856	0.86	0.25	2,935,443	24
	2003	10.16	1.64	470,143	1.03	0.17	4,624,442	53
	2004	11.50	3.22	207,013	1.33	0.37	1,795,496	23
	2005	10.80	2.69	304,111	1.24	0.31	2,656,281	35
2006	12.60	4.11	472,608	1.27	0.41	4,685,401	29	
W. Gulf	1995	6.16	0.85	129,351	0.76	0.10	1,052,708	12
	1996	5.53	0.82	265,044	0.57	0.08	2,566,140	11
	1997	7.06	1.45	113,032	0.64	0.13	1,237,647	30
	1998	8.00	0.81	77,939	0.72	0.07	864,090	19
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	6.49	1.15	143,154	0.59	0.11	1,591,230	19
	2001	7.12	1.74	178,679	0.70	0.17	1,815,991	19
	2002	5.08	0.52	16,789	0.56	0.06	153,112	4
	2003	6.85	1.53	138,688	0.86	0.19	1,102,407	10
	2004	8.19	1.48	295,712	1.17	0.21	2,061,746	24
	2005	10.70	4.91	242,546	1.33	0.61	1,950,728	15
2006	7.87	0.88	192,139	1.03	0.12	1,470,086	10	
Bering Sea	1995	4.87	0.58	11,951	0.42	0.05	138,800	4
	1996	6.63	5.18	41,493	0.36	0.28	757,451	5
	1997	3.29	0.35	32,695	0.17	0.02	626,938	5
	1998	C	C	7,409	C	C	120,235	3
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	3.19	1.53	135,547	0.22	0.11	1,962,203	14
	2001	2.77	0.81	83,598	0.20	0.06	1,140,555	7
	2002	3.77	1.31	147,020	0.34	0.12	1,621,302	7
	2003	4.45	1.94	573,468	0.61	0.27	4,208,803	20
	2004	4.01	1.67	125,162	0.55	0.23	918,589	7
	2005	2.90	1.53	168,218	0.33	0.17	1,469,002	11
2006	3.96	1.35	80,108	0.53	0.18	605,310	5	

Table 3-3 continued. Annual Prices for Sablefish QS and IFQ Transfers by Area and Year

Area	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Total IFQs Transferred Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing
Aleutians Cont.	1995	4.57	0.52	91,553	0.43	0.05	979,271	6
	1996	8.89	3.90	72,881	0.45	0.2	1,446,140	4
	1997	4.14	0.50	66,726	0.21	0.03	1,324,979	10
	1998	3.40	0.59	38,599	0.20	0.03	667,559	8
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	2.01	0.59	72,398	0.20	0.06	719,028	14
	2001	2.34	0.83	97,540	0.24	0.08	941,871	5
	2002	C	C	32,061	C	C	303,445	2
	2003	3.37	1.14	502,187	0.43	0.15	3,910,721	9
	2004	2.60	0.00	35,621	0.33	0.00	277,399	4
	2005	2.66	2.16	286,999	0.29	0.23	2,644,413	9
	2006	2.71	1.22	435,971	0.34	0.15	3,508,222	6

- a) C indicates confidential data
- b) NA indicates data are not available.

Table 3-4. Annual Prices for Sablefish QS and IFQ Transfers by Area, Vessel Class, and Year

Area	Vessel Class	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Total IFQs Transferred Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing
Southeast	Freezer	1995	C	C	18,199	C	C	96,143	3
		1996	6.67	3.50	44,588	1.00	0.53	296,723	6
		1997	12.21	0.53	16,790	1.49	0.06	137,700	5
		1998	C	C	10,668	C	C	91,512	1
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	C	C	456	C	C	3,841	1
		2001	C	C	7,323	C	C	65,283	3
		2002	C	C	12,207	C	C	113,896	2
		2003	C	C	7,376	C	C	62,136	2
		2004	C	C	1,030	C	C	8,191	1
	2006	C	C	3,414	C	C	29,086	1	
	GT 60 ft.	1995	7.61	1.48	107,571	1.44	0.28	567,493	10
		1996	7.88	0.74	143,251	1.18	0.11	953,279	18
		1997	9.43	0.71	9,109	1.15	0.09	74,713	8
		1998	9.58	2.13	5,941	1.12	0.25	50,958	4
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	8.75	0.84	33,967	1.04	0.1	286,362	6
		2001	12.63	3.30	52,668	1.42	0.37	469,488	5
		2002	9.64	0.64	97,592	1.03	0.07	911,359	8
		2003	10.04	1.14	97,948	1.19	0.13	825,172	9
		2004	10.70	2.59	51,996	1.35	0.33	413,646	5
	LE 60 ft.	2005	10.64	0.61	33,887	1.27	0.07	284,696	6
		2006	12.04	1.28	22,095	1.41	0.15	188,251	4
		1995	6.58	0.72	589,223	1.25	0.14	3,108,358	89
		1996	8.37	1.29	272,938	1.26	0.19	1,817,911	62
		1997	10.72	2.06	277,710	1.30	0.25	2,284,378	59
		1998	10.85	1.72	86,283	1.26	0.20	743,988	26
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	11.03	1.87	131,763	1.31	0.22	1,110,777	27
		2001	12.01	5.39	152,755	1.35	0.61	1,361,684	21
2002		10.39	2.16	295,628	1.11	0.23	2,758,427	33	
2003	11.26	2.00	305,859	1.34	0.24	2,576,752	44		
2004	12.01	1.49	156,371	1.51	0.19	1,244,291	26		
2005	11.69	1.10	245,663	1.39	0.13	2,063,860	35		
2006	12.21	1.39	179,691	1.43	0.16	1,532,131	25		
W. Yakutat	Freezer	1995	C	C	749	C	C	4,818	1
		1996	C	C	8,065	C	C	69,990	3
		1997	C	C	11	C	C	117	2
		1998	C	C	11	C	C	117	2
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	C	C	3,294	C	C	41,445	2
		2002	C	C	8,562	C	C	122,912	2
		2003	C	C	7,629	C	C	90,979	2
		2004	C	C	621	C	C	6,714	1
		2005	C	C	1,526	C	C	16,224	1
	2006	C	C	22,345	C	C	271,301	2	
	GT 60 ft.	1995	5.55	0.94	98,310	0.86	0.15	632,236	6
		1996	7.33	0.49	125,937	0.84	0.06	1,092,938	15
		1997	9.53	0.90	57,474	0.90	0.08	607,358	14
		1998	9.41	0.83	7,884	0.85	0.07	87,499	7
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	10.98	2.06	39,999	0.87	0.16	503,280	7
		2001	11.12	2.64	19,982	0.83	0.2	269,677	4
		2002	11.17	2.46	105,202	0.78	0.17	1,510,195	10
		2003	11.09	1.58	52,112	0.93	0.13	621,495	7
		2004	C	C	1,257	C	C	13,593	1
	LE 60 ft.	2005	12.81	1.22	101,676	1.21	0.12	1,080,791	9
		1995	6.28	0.60	109,171	0.98	0.09	702,069	26
1996		8.09	1.57	106,910	0.93	0.18	927,798	33	
1997		8.81	2.45	124,772	0.83	0.23	1,321,213	42	
1998	9.13	3.24	14,643	0.82	0.29	162,541	8		

Table 3-4 continued. Annual Prices for Sablefish QS and IFQ Transfers by Area, Vessel Class, and Year

Area	Vessel Class	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Total IFQs Transferred Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing	
W. Yakutat Cont.		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	9.58	2.15	68,199	0.76	0.17	857,612	18	
		2001	8.84	2.03	18,826	0.65	0.15	254,083	7	
		2002	8.05	2.55	30,102	0.56	0.18	432,107	8	
		2003	9.85	1.69	19,498	0.83	0.14	232,543	11	
		2004	12.10	2.09	26,153	1.12	0.19	282,849	7	
		2005	11.30	2.51	29,074	1.06	0.23	311,422	11	
		2006	11.67	1.43	39,413	0.96	0.12	478,546	16	
C. Gulf	Freezer	1995	C	C	11,120	C	C	81,280	2	
		1996	5.46	0.43	95,938	0.59	0.05	884,143	5	
		1997	10.85	2.43	110,229	1.11	0.25	1,080,256	6	
		1998	C	C	618	C	C	6,146	3	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	C	C	23,866	C	C	263,599	2	
		2003	C	C	67,404	C	C	662,685	2	
		GT 60 ft.	2004	C	C	1,546	C	C	13,406	1
			2006	C	C	183,024	C	C	1,819,486	3
	1995		5.58	0.89	186,341	0.76	0.11	1,377,323	9	
	1996		7.40	1.51	208,798	0.80	0.16	1,923,984	25	
	1997		9.64	1.36	338,128	0.98	0.14	3,330,487	25	
	1998		10.53	1.50	47,019	1.05	0.15	472,973	14	
	1999		NA	NA	NA	NA	NA	NA	NA	
	2000		9.10	1.05	214,576	0.82	0.1	2,370,042	20	
	2001		9.69	1.68	27,357	0.82	0.14	320,456	5	
	2002		10.25	2.24	194,351	0.88	0.19	2,265,209	9	
	2003		9.95	1.4	228,634	1.01	0.14	2,247,832	24	
		LE 60 ft.	2004	12.28	3.86	96,621	1.42	0.45	838,024	12
	2005		11.15	1.51	185,139	1.28	0.17	1,617,111	13	
	2006		10.96	1.25	180,929	1.11	0.12	1,785,736	10	
	1995		6.32	0.76	344,966	0.86	0.10	2,521,322	42	
	1996		7.36	1.57	271,781	0.80	0.17	2,504,615	40	
	1997		8.36	1.08	259,176	0.85	0.11	2,539,939	51	
	1998		10.71	2.61	170,411	1.07	0.26	1,697,250	22	
	1999		NA	NA	NA	NA	NA	NA	NA	
	2000		8.85	1.64	210,467	0.80	0.15	2,324,820	27	
	2001		9.63	1.87	96,890	0.82	0.16	1,135,339	24	
2002	9.07	2.39	57,505	0.78	0.21	670,234	15			
2003	9.72	1.48	174,105	0.99	0.15	1,713,925	27			
2004	10.79	2.35	108,846	1.24	0.27	944,066	10			
2005	10.25	2.81	118,972	1.17	0.32	1,039,170	22			
2006	11.76	2.72	108,655	1.18	0.27	1,080,179	16			
W. Gulf	Freezer	1995	C	C	2,261	C	C	18,403	1	
		1996	C	C	194,422	C	C	1,882,372	3	
		1997	6.10	1.78	11,480	0.56	0.16	125,697	6	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2001	C	C	11,887	C	C	120,820	1	
		2004	C	C	12,926	C	C	90,121	1	
		2006	C	C	32,842	C	C	251,277	1	
		1997	7.45	1.51	61,434	0.68	0.14	672,668	17	
		1998	8.31	0.71	49,696	0.75	0.06	551,716	11	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	6.48	1.21	87,070	0.58	0.11	968,563	9	
		2001	7.42	1.83	104,548	0.73	0.18	1,062,557	11	
		2002	C	C	10,246	C	C	93,442	3	
	2003	7.18	1.54	94,344	0.90	0.19	749,919	5		
	2004	8.27	1.66	169,172	1.19	0.24	1,179,487	14		
	2005	11.66	5.70	187,609	1.45	0.71	1,508,886	11		
		LE 60 ft.	2006	8.15	0.41	130,428	1.07	0.05	997,929	6
	1995		6.33	0.73	106,309	0.78	0.09	865,182	8	
	1996		4.50	1.55	32,242	0.46	0.16	312,170	5	
	1997		6.74	0.96	40,118	0.62	0.09	439,282	7	

Table 3-4 continued. Annual Prices for Sablefish QS and IFQ Transfers by Area, Vessel Class, and Year

Area	Vessel Class	Year	Mean Price \$/IFQ	Stan Dev Price \$/IFQ	Total IFQs Transferred Used for Pricing	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used for Pricing	Number of Transactions Used for Pricing	
W. Gulf Cont.		1998	7.45	0.67	28,243	0.67	0.06	312,374	8	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	6.51	1.10	56,084	0.59	0.1	622,667	10	
		2001	6.26	1.28	62,244	0.62	0.13	632,614	7	
		2002	C	C	6,543	C	C	59,670	1	
		2003	6.14	1.17	44,344	0.77	0.15	352,488	5	
		2004	7.82	0.96	113,614	1.12	0.14	792,138	9	
		2005	7.43	1.08	54,937	0.92	0.14	441,842	4	
		2006	6.51	1.1	56,084	0.59	0.1	622,667	10	
Bering Sea	Freezer	1995	C	C	2,312	C	C	26,852	1	
		1996	C	C	14,802	C	C	270,210	1	
		1997	C	C	7,370	C	C	119,600	2	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2002	C	C	57,839	C	C	637,831	2	
		2003	5.47	0.62	275,018	0.75	0.09	2,018,412	4	
		2004	C	C	12,292	C	C	90,212	1	
		2006	C	C	31,917	C	C	241,169	2	
		GT 60 ft.	1996	C	C	2,218	C	C	40,484	1
			1997	C	C	13,388	C	C	256,712	3
			1998	C	C	39	C	C	635	1
			1999	NA	NA	NA	NA	NA	NA	NA
			2000	3.23	0.67	92,648	0.22	0.05	1,341,072	7
			2001	2.89	0.68	75,433	0.21	0.05	1,029,150	5
	2002		3.14	0.25	87,603	0.29	0.03	966,065	4	
	2003		3.62	1.31	283,304	0.49	0.18	2,079,228	13	
	2004		3.85	1.46	104,522	0.52	0.20	767,107	5	
	2005		2.99	1.65	110,965	0.34	0.19	969,025	9	
	LE 60 ft.		2006	C	C	43,905	C	C	331,752	2
			1995	C	C	9,639	C	C	111,948	3
			1996	C	C	24,473	C	C	446,757	3
			1997	C	C	19,307	C	C	370,226	2
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	3.09	2.06	42,899	0.21	0.14	621,131	7	
		2001	C	C	8,165	C	C	111,405	2	
		2002	C	C	1,578	C	C	17,406	1	
		2003	C	C	15,146	C	C	111,163	3	
		2004	C	C	8,348	C	C	61,270	1	
2005		C	C	57,253	C	C	499,977	2		
2006		C	C	4,286	C	C	32,389	1		
Aleutians		Freezer	1996	C	C	47,887	C	C	950,196	2
			1998	C	C	3,662	C	C	63,327	1
	1999		NA	NA	NA	NA	NA	NA	NA	
	2003		C	C	36,311	C	C	282,769	1	
	2006		C	C	158,147	C	C	1,272,595	1	
	GT 60 ft.		1995	4.21	0.45	50,285	0.39	0.04	537,859	4
		1997	4.49	0.26	35,862	0.23	0.01	712,111	4	
		1998	C	C	18,060	C	C	312,346	3	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	2.14	0.5	54,224	0.22	0.05	538,535	6	
		2001	2.36	0.84	95,427	0.24	0.09	921,471	4	
		2002	C	C	6,438	C	C	60,935	1	
		2003	3.26	0.89	410,808	0.42	0.12	3,199,118	7	
		2004	C	C	659	C	C	5,130	1	
		2005	2.58	2.15	276,874	0.28	0.23	2,551,119	8	
		2006	C	C	253,910	C	C	2,043,193	3	

a) C indicates confidential data (the data are confidential because they are derived from the activities of fewer than four individuals.)
b) NA indicates data are not available.

Note: Table includes only years to appropriate type of transfers.

Table 3-5 Annual Prices for Sablefish QS-Only Transfers by Area and Year

Area	Year	Mean Price \$/QS	Stan Dev Price \$/QS	Total QS Transferred Used For Pricing	Number of Transactions Used For Pricing
Southeast	1995	1.22	0.44	155,297	6
	1996	0.94	0.33	471,382	14
	1997	1.56	0.20	494,104	18
	1998	1.58	0.44	199,026	5
	1999	NA	NA	NA	NA
	2000	1.35	0.19	345,443	4
	2001	C	C	143,863	2
	2002	C	C	46,755	1
	2003	1.33	0.14	384,123	4
	2004	C	C	151,660	2
	2005	C	C	156,835	2
2006	1.52	0.23	368,767	8	
W. Yakutat	1995	0.89	0.11	399,983	4
	1996	0.68	0.10	256,110	7
	1997	0.88	0.09	635,346	6
	1998	0.49	0.31	750,524	5
	1999	NA	NA	NA	NA
	2000	C	C	8,032	2
	2001	0.87	0.10	810,029	7
	2002	C	C	88,309	1
	2003	0.82	0.11	406,536	8
	2004	0.91	0.09	95,922	4
	2005	C	C	277,246	3
C. Gulf	1995	0.59	0.14	590,998	5
	1996	0.71	0.04	824,136	9
	1997	1.05	0.06	1,275,202	10
	1998	C	C	22,266	3
	1999	NA	NA	NA	NA
	2000	0.88	0.18	750,425	5
	2001	1	0.0	550,647	4
	2002	0.90	0.13	751,765	6
	2003	1.05	0.14	512,327	6
	2004	C	C	184,226	3
	2005	C	C	464,124	3
2006	C	C	32,027	1	
W. Gulf	1995	C	C	81,442	2
	1996	C	C	36,520	2
	1997	C	C	21,810	1
	1999	NA	NA	NA	NA
	2000	C	C	330,180	3
	2001	1.06	0.1	503,421	4
	2002	C	C	104,884	1
	2003	C	C	561,649	3
	2004	C	C	132,725	2
	2005	C	C	383,737	3
	2006	C	C	330,180	3
Bering Sea	1995	C	C	106,583	1
	1996	C	C	255,468	1
	1997	C	C	11,041	1
	1999	NA	NA	NA	NA
Aleutians	1995	C	C	594,509	1
	1996	C	C	164,185	1
	1999	NA	NA	NA	NA
	2000	C	C	75,815	2
	2001	C	C	438,258	2
2005	C	C	1,957,125	1	

a) C indicates confidential data
b) NA indicates data are not available.
Note: Table includes only years with data.

4 Sablefish QS Leases

This chapter examines the extent of formal lease transactions during the 1995 through 2006 time period. The data indicate that relatively few QS lease transactions occurred.

The regulations for the sablefish IFQ program have allowed some leasing of QS by transfer of annual IFQ only, subject to important restrictions. Where leasing is allowed, it provides a means for sablefish QS holders to make seasonal adjustments to their fishing activities and for new persons to enter the fishery.

QS lease transactions are made for an IFQ year and expire on December 31 of the year of the lease. The regulations governing leasing have changed over time.

From the start of the Program, holders of freezer vessel (harvester/processor category “A”) QS may lease any or all of those holdings during a year. Catcher vessel leasing has been more restricted. Holders of catcher vessel QS for an area could lease up to 10% of their QS in that area during the years 1995, 1996, and 1997. However, these regulations providing for leases of catcher vessel QS expired on January 2, 1998 and have not been renewed.²⁴ The expired IFQ program regulations which provided for limited leasing of catcher vessel QS during the first three years of the program represented a compromise designed to balance the Council's different objectives. Opponents of leasing wanted to keep QS in the hands of active fishermen rather than absentee QS holders. Some persons also thought that the ability to lease QS might dampen the volume of QS sales and make it more difficult for new persons to enter the fishery as QS owner-operators. Proponents of QS leasing wanted to maintain operational flexibility for fishermen in a dynamic environment.²⁵ The temporary 10% rule sought to balance both sets of concerns.

Several program provisions allow leasing of catcher vessel QS/IFQ in limited circumstances. First, the surviving spouse or other individual beneficiary from the QS holdings immediate family can still lease catcher vessel QS for a three year period following the death of the holder.²⁶ Next, in 2004 NOAA Fisheries (NMFS) implemented a new program feature to protect economies of selected fisheries dependent GOA communities. These communities can form nonprofit organizations to acquire QS for lease to community residents. The intent is to assist a number of small coastal communities in Southeast and Southcentral Alaska, striving to remain economically viable, to increase or maintain their participation in the halibut and sablefish fisheries. As of December 2008, 20 Community Quota Entities (CQE) have been established representing 21 communities, although only one has purchased quota. In 2007 “emergency medical” lease²⁷ and in 2008 a provision allowing mobilized National Guard and reservist QS holders to lease out IFQ were added²⁸.

²⁴ See 50 CFR 679.41(h) for catcher vessel leasing rules. There is no corresponding rule on freezer vessel QS leases.

²⁵ This discussion is adapted from FR 58(215):59392. November 9, 1993.

²⁶ See 50 CFR 679.41(k)(2)

²⁷ Emergency Medical Transfer- 72FR 44795 August 9, 2007

²⁸ Military Transfer- 73 FR 28733 May 19, 2008

The tables in this chapter will show that there were relatively few catcher vessel QS lease transactions. This may be partially due to the fact that a significant portion of the sablefish catcher vessel QS was “blocked” and at the beginning of the program a block had to be transferred in its entirety for any kind of transfer.

At the start of the program, blocked QS could only be leased on this “all or nothing” basis. Blocks could not be broken up to allow some of the QS to be leased. This, coupled with the 10% leasing restriction, made the leasing of blocked catcher vessel QS difficult.

Thus, a person who only held one block of QS in an area could not lease that block or any part of it. A person who held two blocks of QS for an area would only be in a position to lease some QS if one block was no more than 10% of the person's total QS holding.²⁹

During 1996, the regulations governing leasing of blocked QS were reworded into terms of IFQ. This change in wording allowed for 10% of the IFQ associated with a segment of blocked QS in a year to be leased on an annual basis. In other words, the blocking provision no longer applied to seasonal lease transactions of IFQ. This liberalization of the leasing provision for blocked catcher vessel QS did not become effective until September 9, 1996. However, this small liberalization of the catcher vessel leasing provisions appeared to have little impact on catcher vessel leasing activities.

The reader should be aware that this chapter only covers formal lease transactions as reported to NMFS-RAM. While formal leases of catcher vessel QS were not extensively used during the 1995 through 2006 time period, there was another means under the sablefish IFQ program regulations whereby some IFQ could be fished by someone other than the QS holder.

Regulations allowing for the use of a “hired master” (skipper) by an initial QS recipient on a vessel owned by the initial QS recipient appear to have been widely used during the first twelve years of the program. This topic is explored further in Chapter 12.

Any Category A (Freezer vessel) sablefish QS holder can use a hired skipper to harvest the IFQ associated with that QS. Corporations and partnerships and other business entities must also employ a skipper to harvest the resource. Similarly, individuals who are initial recipients of catcher vessel QS can use a hired skipper in many cases, with appropriate levels of vessel ownership.

For example, regulations provide that: “An individual who receives an initial allocation of QS assigned to (catcher) vessel categories B, C, or D does not have to be on board and

²⁹ The rule change to allow catcher vessel QS holders to lease up to 10% of the current year IFQs associated with their QS occurred during 1996. The proposed rule change was published for comment in the *Federal Register* on April 24, 1996. The final rule was published in the *Federal Register* on August 9, 1996 and the rule became effective on September 9, 1996.

sign IFQ landing reports if that individual owns the vessel on which IFQ sablefish or halibut are harvested, and is represented on the vessel by a master employed by the individual who received the initial allocation of QS.” This provision is not extended to individuals who were initial QS recipients in the sablefish IFQ regulatory area east of 140° W. Longitude, the Southeast area.³⁰

The rule requiring the initial QS holder to own the vessel that is being used to harvest the IFQ was meant to discourage leasing of QS. However, the regulation was not specific concerning the percentage ownership interest that the QS holder needed to have. There apparently were cases where an initial QS holder has purchased a very small fractional ownership interest in a vessel and then the skipper of that vessel fished all of the person's catcher vessel IFQ. Some of these arrangements may have been *de facto* leases. Since the QS holder appeared to be using a “hired skipper” and could have avoided a formal lease transaction, the 10% catcher vessel QS restriction could be circumvented. In other words, more than 10% of the IFQ associated with a person’s catcher vessel QS holdings for an area could be fished under such an arrangement.

While the Council wanted to allow the pre-IFQ practice of using hired skippers, it did not want to expand the leasing privilege. During 1997, the Council studied percentage ownership requirements and adopted a proposal which establishes a 20% minimum vessel ownership requirement in order to constrain this practice.³¹ NMFS-RAM, acting on the Council’s intent, implemented revised regulations also authorizing “indirect” vessel ownership by QS holders, and became effective on June 9, 1999.

Although prohibited by regulation, Persons might also be able to circumvent the restrictions on leasing of catcher vessel QS if they sell their QS with a tacit understanding that the QS would be transferred back to the original QS holder at the end of a specific time. The authors have not examined the extent of returned transfers for this report.³²

4.1 Sablefish QS and QS Holder Lease Rates by IFQ Area

As noted above, the sablefish IFQ program’s rules provide for unlimited leasing of freezer vessel QS. However, during the first three years of the program, only 10% of a person's catcher vessel QS for an area could be leased in a year.³³ Again, the rule providing for the lease of catcher vessel QS expired on January 2, 1998.

Table 4-1 provides a broad overview of sablefish leasing activity by management area and year over the 1995 through 2006 time period for all QS types including Freezer

³⁰ See 50 CFR 679.42(i)(1), 50 CFR 679.42(i)(2), and 50 CFR 679.42(j). The regulatory area is the Eastern Regulatory Area, Southeast Outside District that is termed “Southeast” in the tables in this report.

³¹ At its September 1997 meeting in Seattle, the Council adopted a proposal requiring initial recipients of catcher vessel QS who wanted to utilize a designated skipper to hold 20% ownership interest in the vessel used by their hired skipper. Some “grandfathered” privileges are included in the new rule that will allow some current QS holders who had used a hired skipper prior to April 17, 1997 to continue to use a hired skipper on a vessel in which they have a smaller percentage ownership interest. NMFS-RAM began implementing the Council’s intent in 1998. (See page 6, The IFQ Program: 1998 Report To The Fleet published in February 1998). These rules were incorporated into regulations as 50 CFR 679.42(i)(1) and 50 CFR 679.42(j) which became effective June 9, 1999.

³² While it is possible that such arrangements may have occurred, transfers with agreements for repossession by the original owner are prohibited under 50 CFR 679.41(g)(4).

³³ See 50 CFR 679.41 (e) and (h).

share. The table provides the year-end amounts of QS outstanding and the amount of QS that was leased during each year. A rough “QS lease rate” is calculated by dividing the amount of QS leased by the amount of QS outstanding at the end of each year and converting the resulting fraction into a percentage.

The table also contains an “All Years” row for each area which provides summary data over all years. The data in the row represent the sums of numbers over the twelve years or ratios based upon the sums over all twelve years.

As can be seen, the Aleutian Islands, Bering Sea, and Western Gulf had the highest percentages of QS leased over the 1995 through 2006 period. Over the entire time period, QS lease rates ranged from 0.9% in the West Yakutat Area to 11.4% in the Aleutian Islands Area.³⁴

Table 4-1 also provides data on the number of year-end QS holders and the number of QS holders who leased some QS during the year. A rough “QS holder lease (lessor) rate” was calculated by dividing the number of QS lessors during the year by the number of year-end QS holders and converting the resulting fraction to a percentage. Over the entire 1995 through 2006 time period, the QS lessor rates ranged from 2.0% in the Central Gulf area to 4.9% in the Aleutian Islands area with a maximum rate in the Aleutians in 2001 of 8.3%.³⁵ Bering Sea and Aleutian Islands rates tended to be higher perhaps reflecting logistics differences of operating in those areas and relatively high percentage of QS issued in the freezer category.

³⁴ The Bering Sea and Aleutian Island Areas are CDQ areas for sablefish.

³⁵ This report uses QS amounts shown in lease transactions on NMFS-RAM computerized files. In a few instances, these transactions appear to be in contradiction with respect to the actual amount of QS leased relative to the IFQ involved. For that reason, the QS rates show herein may be slight overestimates even though they accurately reflect data.

Table 4-1. Sablefish QS and QS Holder Lease Rates By IFQ Area, 1995-2006

Area	Year	Year-end QS	Leased QS	QS Lease Rate (%)	Year-end Persons	Unique Lessors	Lessor Rate (%)
Southeast	1995	65,352,762	1,259,409	1.9	656	13	2.0
	1996	65,829,475	1,231,178	1.9	608	12	2.0
	1997	65,938,762	1,585,938	2.4	553	13	2.4
	1998	65,967,848	1,976,867	3.0	525	13	2.5
	1999	65,996,934	2,227,600	3.4	505	14	2.8
	2000	65,541,088	2,210,438	3.4	489	15	3.1
	2001	66,028,966	2,311,765	3.5	482	15	3.1
	2002	66,029,507	2,167,316	3.3	479	13	2.7
	2003	66,118,292	3,362,536	5.1	468	11	2.4
	2004	66,119,746	1,912,574	2.9	462	10	2.2
	2005	66,120,619	1,756,893	2.7	450	10	2.2
	2006	66,120,619	952,098	1.4	439	10	2.3
ALL YRS		791,164,618	22,954,612	2.5	5,677	149	2.6
W. Yakutat	1995	52,597,269	887,103	1.7	420	12	2.9
	1996	53,028,226	605,902	1.1	392	7	1.8
	1997	53,116,620	244,956	0.5	350	6	1.7
	1998	53,207,225	266,838	0.5	341	7	2.1
	1999	53,231,066	436,722	0.8	320	8	2.5
	2000	53,040,839	424,992	0.8	298	8	2.7
	2001	53,229,128	592,258	1.1	297	9	3.0
	2002	53,230,041	736,738	1.4	294	8	2.7
	2003	53,266,910	577,063	1.1	285	7	2.5
	2004	53,265,405	519,143	1.0	278	6	2.2
	2005	53,244,699	443,210	0.8	273	5	1.8
	2006	53,265,405	228,054	0.4	263	6	2.3
ALL YRS		637,722,833	5,962,979	0.9	3,811	89	2.3
C. Gulf	1995	107,635,310	2,902,784	2.7	592	14	2.4
	1996	109,997,846	1,542,073	1.4	553	12	2.2
	1997	110,873,858	1,029,680	0.9	496	8	1.6
	1998	111,032,423	1,774,619	1.6	479	9	1.9
	1999	111,619,720	1,654,324	1.5	459	9	2.0
	2000	111,542,630	2,278,186	2.0	440	11	2.5
	2001	111,608,874	2,395,806	2.1	437	10	2.3
	2002	111,615,418	2,202,798	2.0	433	10	2.3
	2003	111,663,746	2,714,544	2.4	429	10	2.3
	2004	111,682,330	1,858,098	1.7	425	9	2.1
	2005	111,614,277	1,820,762	1.6	408	9	2.2
	2006	111,682,330	963,103	0.9	402	10	2.5
ALL YRS		1,332,568,762	23,136,777	1.7	5,553	121	2.0
W. Gulf	1995	35,196,842	3,718,498	10.6	217	9	4.1
	1996	35,793,302	3,137,255	8.8	211	4	1.9
	1997	35,935,239	3,288,630	9.2	197	7	3.6
	1998	35,951,012	1,533,658	4.3	187	7	3.7
	1999	36,028,233	1,321,485	3.7	185	5	2.7
	2000	35,547,351	1,987,498	5.6	172	10	5.8
	2001	36,027,236	2,039,459	5.7	174	7	4.0
	2002	36,027,236	1,867,060	5.2	170	8	4.7
	2003	36,027,236	3,502,949	9.7	171	4	2.3
	2004	36,027,710	2,119,804	5.9	170	3	1.8
	2005	36,027,154	1,626,825	4.5	171	2	1.2
	2006	36,029,579	1,651,313	4.6	168	4	2.4
ALL YRS		430,618,130	27,794,434	6.5	2,025	70	3.5
Bering Sea	1995	17,598,802	2,008,938	11.4	138	8	5.8
	1996	18,421,029	998,940	5.4	135	4	3.0
	1997	18,602,398	1,424,719	7.7	131	6	4.6
	1998	18,587,476	3,905,196	21.0	128	9	7.0
	1999	18,768,845	1,230,119	6.6	127	6	4.7
	2000	18,636,594	3,585,187	19.2	115	8	7.0
	2001	18,738,068	2,262,567	12.1	115	7	6.1
	2002	18,738,068	2,919,897	15.6	112	8	7.1

Table 4-1 continued. Sablefish QS and QS Holder Lease Rates By IFQ Area, 1995-2006

Area	Year	Year-end QS	Leased QS	QS Lease Rate (%)	Year-end Persons	Unique Lessors	Lessor Rate (%)
Bering Sea Cont.	2003	18,738,068	1,866,659	10.0	112	6	5.4
	2004	18,759,590	982,660	5.2	112	3	2.7
	2005	18,676,874	829,668	4.4	115	3	2.6
	2006	18,790,367	885,832	4.7	113	2	1.8
	ALL YRS	223,056,179	22,900,382	10.3	1,453	70	4.8
Aleutians	1995	29,863,329	6,445,229	21.6	125	10	8.0
	1996	31,103,860	3,784,635	12.2	130	5	3.8
	1997	31,518,176	5,437,538	17.3	124	6	4.8
	1998	31,518,176	3,516,048	11.2	119	9	7.6
	1999	31,932,492	6,904,455	21.6	112	6	5.4
	2000	31,911,435	4,203,108	13.2	103	7	6.8
	2001	31,911,435	3,337,439	10.5	96	8	8.3
	2002	31,911,435	1,497,227	4.7	97	4	4.1
	2003	31,911,435	3,798,359	11.9	94	3	3.2
	2004	31,911,435	2,440,369	7.6	97	3	3.1
	2005	29,517,098	1,445,050	4.9	99	3	3.0
	2006	31,932,492	0	0.0	98	0	0.0
	ALL YRS	376,942,798	42,809,457	11.4	1,294	64	4.9

4.2. Sablefish QS and QS Holder Transfer and Lease Rates By Area and Vessel Category, 1995-2006.

Tables 4-2a and 4-2b provide more detailed summaries on sablefish QS and QS holder lease rates by area and vessel category for the years 1995 through 2006. For comparative purposes, QS and QS holder permanent transfer rates have also been included.

Leases and permanent transfers allow QS to move to persons who feel that they can use it more profitably and allow for consolidations of QS holdings and fishing operations either seasonally or permanently. The tables show that lease rates for freezer vessel QS were higher than permanent transfer rates for freezer vessel QS over the time period. In contrast, lease rates for catcher vessel QS were extremely low in most areas and lower than permanent transfer rates for catcher vessel QS. This is likely related to the restrictions on leasing catcher vessel QS.

Table 4-2a provides data for each area, year, and vessel category. It also provides summary data over the entire twelve year time period. The table includes the amount of QS at the end of each year, the amount of QS transferred within each year, and the amount of QS leased within each year by area and vessel category. QS transfer rates and QS lease rates are calculated for each area, year, and vessel category. The methodology used to calculate these rates is the same as that described for Table 4-1.

The table indicates that freezer vessel QS lease and transfer rates differ sharply from catcher vessel QS lease and transfer rates. Leasing of QS was largely confined to freezer vessels over the 1995 through 2006 time period. This can be seen by the relatively high freezer vessel QS lease rates shown in Table 4-2a.

For example, over the first twelve years of the IFQ program, average lease rates for freezer vessel QS ranged from 9.8% in the West Yakutat area to 28.5% in the Southeast.

While catcher vessel QS lease rates were very low and freezer vessel QS lease rates were substantial, permanent transfer rates show a somewhat different pattern. Over the 1995-2006 period, transfer rates for QS in the “60 feet or less” catcher vessel category were higher than permanent transfer rates for freezer vessel QS in all areas except the Bering Sea and the Aleutians in which the two rates were very similar.

Table 4-2b provides similar data for QS holders by area and vessel category. Again, data are provided for the 1995 and 2006 time period. The table includes the number of QS holders at the end of each year, the number of QS holders with transfers within each year, and the number of QS holders with leases within each year. QS holder transfer rates and QS holder (lessor) lease rates are calculated for each area, year, and vessel category.

An “All Years” grouping sums data and provides a QS holder lease rate (lessor rate) by area and vessel category. Data on permanent halibut QS transfers by QS holders are provided for comparative purposes.

These data on QS holders with leases and transfers roughly parallel the data on QS leased and transferred. As can be seen the number of catcher vessel QS holders who leased some QS in the first twelve years is quite small relative to the number of year-end QS holders. QS holder lease rates for catcher vessel QS were less than 1% in all areas.

Table 4-2a. Sablefish QS Transfer and Lease Rates, 1995-2006 By Area, Year, and Vessel Category

Area	Year	Vessel Category	Year-end QS	Transferred QS	QS Transfer Rate (%)	Leased QS	QS Lease Rate (%)
Southeast	1995	Freezer	6,070,255	270,348	4.5	1,250,725	20.6
		GT 60 ft	13,542,232	1,017,460	7.5	8,684	0.1
		LE 60 ft	45,740,275	4,610,012	10.1	0	0.0
	1996	Freezer	5,985,260	600,437	10.0	1,163,473	19.4
		GT 60 ft	13,485,766	1,665,863	12.4	0	0.0
		LE 60 ft	46,358,449	3,518,097	7.6	67,705	0.1
	1997	Freezer	6,041,780	325,355	5.4	1,121,892	18.6
		GT 60 ft	13,460,403	661,090	4.9	112,623	0.8
		LE 60 ft	46,436,579	4,128,868	8.9	351,423	0.8
	1998	Freezer	6,070,866	244,737	4.0	1,624,942	26.8
		GT 60 ft	13,460,403	381,551	2.8	88,931	0.7
		LE 60 ft	46,436,579	2,776,938	6.0	262,994	0.6
	1999	Freezer	6,099,952	142,072	2.3	1,875,675	30.7
		GT 60 ft	13,435,647	645,870	4.8	88,931	0.7
		LE 60 ft	46,461,335	4,542,184	9.8	262,994	0.6

**Table 4-2a continued. Sablefish QS Transfer and Lease Rates, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS	Transferred QS	QS Transfer Rate (%)	Leased QS	QS Lease Rate (%)
Southeast Cont.	2000	Freezer	6,133,979	325,355	5.3	1,991,758	32.5
		GT 60 ft	13,434,040	661,090	4.9	88,927	0.7
		LE 60 ft	46,462,942	4,128,868	8.9	129,753	0.28
	2001	Freezer	6,133,979	88,970	1.5	2,182,011	35.6
		GT 60 ft	13,434,040	469,488	3.5	0	0.00
		LE 60 ft	46,462,942	2,211,471	4.8	129,754	0.3
	2002	Freezer	6,133,979	211,570	3.4	2,037,564	33.2
		GT 60 ft	13,434,040	1,775,616	13.2	0	0.0
		LE 60 ft	46,551,727	3,923,497	8.4	129,753	0.3
	2003	Freezer	6,133,979	117,078	1.9	3,237,506	52.8
		GT 60 ft	13,434,913	1,403,887	10.4	0	0.0
		LE 60 ft	46,551,727	4,144,068	8.9	125,029	0.3
	2004	Freezer	6,133,979	8,191	0.1	1,912,574	31.2
		GT 60 ft	13,434,913	443,784	3.3	0	0.0
		LE 60 ft	46,551,727	2,960,227	6.4	0	0.0
	2005	Freezer	6,133,979	54,897	0.9	1,244,075	20.3
		GT 60 ft	13,434,913	1,830,994	13.6	0	0.0
		LE 60 ft	46,551,727	4,312,630	9.3	512,818	1.1
	2006	Freezer	6,133,979	29,112	0.5	1,245,271	20.3
		GT 60 ft	13,435,064	377,888	2.8	0	0.0
		LE 60 ft	46,551,576	2,975,637	6.4	580,808	1.25
All Years	Freezer	73,205,966	2,418,122	3.3	20,887,466	28.5	
	GT 60 ft	161,426,374	11,334,581	7.0	388,096	0.2	
	LE 60 ft	557,117,585	44,232,497	7.9	2,553,031	0.5	
W. Yakutat	1995	Freezer	4,266,270	198,867	4.7	823,074	19.3
		GT 60 ft	32,059,405	1,509,862	4.7	64,029	0.2
		LE 60 ft	16,271,594	1,569,741	9.6	0	0.0
	1996	Freezer	4,279,728	484,520	11.3	605,902	14.2
		GT 60 ft	32,170,690	1,546,931	4.8	0	0.0
		LE 60 ft	16,577,808	1,819,959	11.0	0	0.0
	1997	Freezer	4,326,056	332,112	7.7	244,956	5.7
		GT 60 ft	32,192,683	2,083,535	6.5	0	0.0
		LE 60 ft	16,597,881	1,728,334	10.4	0	0.0
	1998	Freezer	4,349,897	92,123	2.1	249,381	5.7
		GT 60 ft	32,261,525	1,389,662	4.3	0	0.0
		LE 60 ft	16,595,803	631,930	3.8	17,457	0.1
	1999	Freezer	4,373,738	354,935	8.1	419,265	9.6
		GT 60 ft	32,261,525	1,038,209	3.2	0	0.0
		LE 60 ft	16,595,803	2,204,774	13.3	17,457	0.1
	2000	Freezer	4,373,738	88,257	2.0	424,992	9.7
		GT 60 ft	32,261,525	1,096,698	3.4	0	0.0
		LE 60 ft	16,595,803	1,659,371	10.0	0	0.0
	2001	Freezer	4,373,738	0	0.0	592,258	13.5
		GT 60 ft	32,261,525	1,439,126	4.5	0	0.0
		LE 60 ft	16,595,803	471,906	2.8	0	0.0
	2002	Freezer	4,373,738	122,912	2.8	736,738	16.8
		GT 60 ft	32,260,508	1,665,241	5.2	0	0.0
		LE 60 ft	16,595,795	682,443	4.1	0	0.0
	2003	Freezer	4,373,738	90,979	2.1	343,743	7.9
		GT 60 ft	32,260,508	1,617,995	5.0	233,320	0.7
		LE 60 ft	16,632,664	669,584	4.0	0	0.0
	2004	Freezer	4,373,738	382,874	8.8	215,384	4.9
		GT 60 ft	32,261,214	106,431	0.3	233,316	0.7
		LE 60 ft	16,630,453	678,284	4.1	70,443	0.4
	2005	Freezer	4,373,738	16,224	0.4	209,885	4.8
		GT 60 ft	32,261,214	1,719,850	5.3	233,324	0.7
		LE 60 ft	16,609,747	570,837	3.4	0	0.0
	2006	Freezer	4,373,738	473,710	10.8	228,054	5.2
		GT 60 ft	32,261,214	233,319	0.7	0	0.0
		LE 60 ft	16,630,453	522,635	3.1	0	0.0

**Table 4-2a continued. Sablefish QS Transfer and Lease Rates, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS	Transferred QS	QS Transfer Rate (%)	Leased QS	QS Lease Rate (%)	
W. Yakutat Cont.	All Years	Freezer	52,211,855	2,637,513	6.8	5,093,632	9.8	
		GT 60 ft	386,773,536	15,446,859	4.7	763,989	0.2	
		LE 60 ft	198,929,607	13,209,798	9.6	105,357	0.1	
C. Gulf	1995	Freezer	15,067,735	563,533	3.7	2,902,784	19.3	
		GT 60 ft	52,735,414	2,888,961	5.5	0	0.0	
		LE 60 ft	39,832,161	4,380,982	11.0	0	0.0	
	1996	Freezer	16,129,641	1,357,590	8.4	1,495,362	9.3	
		GT 60 ft	52,874,736	3,716,581	7.0	0	0.0	
		LE 60 ft	40,993,469	4,327,407	10.6	46,711	0.1	
	1997	Freezer	16,922,204	1,715,121	10.1	915,675	5.4	
		GT 60 ft	52,921,573	5,425,820	10.3	114,005	0.2	
		LE 60 ft	41,030,081	4,230,583	10.3	0	0.0	
	1998	Freezer	16,969,807	234,434	1.4	1,736,142	10.2	
		GT 60 ft	53,025,668	1,228,754	2.3	0	0.0	
		LE 60 ft	41,036,948	3,159,943	7.7	38,477	0.1	
	1999	Freezer	17,557,104	1,281,046	6.4	1,615,847	9.2	
		GT 60 ft	53,025,668	4,302,556	7.5	0	0.0	
		LE 60 ft	41,036,948	2,204,273	5.3	38,477	0.1	
	2000	Freezer	17,557,104	714,700	4.1	2,278,186	12.9	
		GT 60 ft	53,025,668	3,582,712	6.8	0	0.0	
		LE 60 ft	41,036,948	4,229,065	10.3	0	0.0	
	2001	Freezer	17,557,104	5,230,011	29.8	2,395,806	13.6	
		GT 60 ft	53,025,668	3,060,580	5.8	0	0.0	
		LE 60 ft	41,036,948	1,419,213	3.5	0	0.0	
	2002	Freezer	17,557,104	1,743,337	9.9	2,202,798	12.6	
		GT 60 ft	53,025,668	3,002,453	5.7	0	0.0	
		LE 60 ft	41,085,276	2,927,987	7.1	0	0.0	
	2003	Freezer	17,557,104	689,583	3.9	1,595,924	9.1	
		GT 60 ft	53,044,252	4,183,341	7.9	1,118,620	2.1	
		LE 60 ft	41,085,276	3,114,130	7.6	0	0.0	
	2004	Freezer	17,557,104	632,441	3.6	741,498	4.2	
		GT 60 ft	53,044,252	1,182,043	2.2	1,116,601	2.1	
		LE 60 ft	41,085,276	1,938,021	4.7	0	0.0	
	2005	Freezer	17,557,104	5,913	0.0	713,6690	4.1	
		GT 60 ft	53,044,252	2,164,835	4.1	1,107,093	2.1	
		LE 60 ft	41,085,276	1,763,501	4.3	0	0.0	
	2006	Freezer	17,557,104	3,654,957	20.8	789,737	4.5	
		GT 60 ft	53,044,252	2,454,942	4.6	173,366	0.3	
		LE 60 ft	41,085,276	1,179,417	2.9	0	0.0	
	All Years	Freezer	205,546,219	17,822,666	8.7	8,665,810	10.5	
		GT 60 ft	635,837,071	37,193,578	5.8	114,005	0.0	
		LE 60 ft	491,429,883	34,874,522	7.1	123,665	0.1	
	W. Gulf	1995	Freezer	13,398,039	44,223	0.3	3,718,498	27.8
			GT 60 ft	15,330,271	333,425	2.2	0	0.0
			LE 60 ft	6,468,532	1,530,851	23.7	0	0.0
		1996	Freezer	13,469,942	1,918,954	14.2	3,137,255	23.3
			GT 60 ft	15,545,162	727,606	4.7	0	0.0
			LE 60 ft	6,778,198	846,989	12.5	0	0.0
		1997	Freezer	13,578,407	125,774	0.9	3,288,630	24.2
			GT 60 ft	15,590,669	1,052,556	6.8	0	0.0
			LE 60 ft	6,766,163	1,358,715	20.1	0	0.0
1998		Freezer	13,594,180	97,620	0.7	1,533,658	11.3	
		GT 60 ft	15,591,876	1,362,289	8.7	0	0.0	
		LE 60 ft	6,764,956	586,829	8.7	0	0.0	
1999		Freezer	13,671,401	295,085	2.2	1,321,485	9.7	
		GT 60 ft	15,591,876	1,407,931	9.0	0	0.0	
		LE 60 ft	6,764,956	807,554	11.9	0	0.0	
2000		Freezer	13,671,401	0	0.0	1,824,031	13.3	
		GT 60 ft	15,592,748	1,390,305	8.9	94,468	0.6	
		LE 60 ft	6,764,956	834,111	12.3	69,000	1.1	

**Table 4-2a continued. Sablefish QS Transfer and Lease Rates, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS	Transferred QS	QS Transfer Rate (%)	Leased QS	QS Lease Rate (%)
W. Gulf Cont.	2001	Freezer	13,671,401	2,288,374	16.7	2,039,459	14.9
		GT 60 ft	15,592,748	2,494,692	16.0	0	0.0
		LE 60 ft	6,764,956	1,009,363	14.9	0	0.0
	2002	Freezer	13,671,401	583,439	4.3	1,770,901	13.0
		GT 60 ft	15,592,748	2,107,307	13.5	0	0.0
		LE 60 ft	6,764,956	315,653	4.7	96,159	1.4
	2003	Freezer	13,671,401	0	0.0	3,502,949	25.6
		GT 60 ft	15,593,222	1,698,800	10.9	0	0.0
		LE 60 ft	6,764,956	1,323,985	19.6	0	0.0
	2004	Freezer	13,671,401	90,121	0.7	2,119,804	15.5
		GT 60 ft	15,593,222	1,683,508	10.8	0	0.0
		LE 60 ft	6,764,956	1,214,734	18.0	0	0.0
	2005	Freezer	13,671,401	0	0.0	1,626,825	11.9
		GT 60 ft	15,593,222	2,384,596	15.3	0	0.0
		LE 60 ft	6,764,956	1,004,299	14.8	0	0.0
	2006	Freezer	13,671,401	1,000,415	7.3	1,651,313	12.1
		GT 60 ft	15,596,926	1,120,282	7.2	0	0.0
		LE 60 ft	6,761,252	1,032,768	15.3	0	0.0
	All Years	Freezer	163,411,776	6,444,005	3.9	27,534,808	16.9
		GT 60 ft	186,804,690	17,763,297	9.5	94,468	0.1
		LE 60 ft	80,893,793	11,865,851	14.7	165,159	0.2
Bering Sea	1995	Freezer	6,654,211	237,952	3.6	2,008,938	30.2
		GT 60 ft	7,773,286	235,905	3.0	0	0.0
		LE 60 ft	3,171,305	529,670	16.7	0	0.0
	1996	Freezer	7,107,489	779,205	11.0	998,940	14.1
		GT 60 ft	7,773,286	295,952	3.8	0	0.0
		LE 60 ft	3,540,254	451,586	12.8	0	0.0
	1997	Freezer	7,288,858	360,448	4.9	1,424,719	19.5
		GT 60 ft	7,773,286	258,139	3.3	0	0.0
		LE 60 ft	3,540,254	648,407	18.3	0	0.0
	1998	Freezer	7,288,858	2,294,040	31.5	3,905,196	53.6
		GT 60 ft	7,758,364	53,007	0.7	0	0.0
		LE 60 ft	3,540,254	0	0.0	0	0.0
	1999	Freezer	7,470,227	784,638	10.5	1,230,119	16.5
		GT 60 ft	7,758,364	1,542,152	19.9	0	0.0
		LE 60 ft	3,540,254	181,379	5.1	0	0.0
	2000	Freezer	7,470,227	0	0.0	3,585,187	47.9
		GT 60 ft	7,758,364	1,499,004	19.3	0	0.0
		LE 60 ft	3,540,254	688,170	19.4	0	0.0
	2001	Freezer	7,470,227	927,980	12.4	2,262,567	30.3
		GT 60 ft	7,758,364	1,295,958	16.7	0	0.0
		LE 60 ft	3,540,254	222,810	6.3	0	0.0
	2002	Freezer	7,470,227	1,130,791	15.1	2,919,897	39.1
		GT 60 ft	7,758,364	1,260,460	16.2	0	0.0
		LE 60 ft	3,540,254	23,860	0.7	0	0.0
	2003	Freezer	7,470,227	2,862,709	38.3	1,866,659	24.9
		GT 60 ft	7,779,886	2,443,732	31.4	0	0.0
		LE 60 ft	3,540,254	111,163	3.1	0	0.0
	2004	Freezer	7,470,227	90,212	1.2	982,660	13.2
		GT 60 ft	7,779,886	767,107	9.9	0	0.0
		LE 60 ft	3,540,254	907,265	25.6	0	0.0
	2005	Freezer	7,470,227	969,025	13.0	829,668	11.1
		GT 60 ft	7,779,886	611,725	7.9	0	0.0
		LE 60 ft	3,540,254	0	0.0	0	0.0
	2006	Freezer	7,470,227	333,389	4.5	885,832	11.8
		GT 60 ft	7,779,886	331,752	4.3	0	0.0
		LE 60 ft	3,540,254	598,144	16.9	0	0.0
	All Years	Freezer	88,101,232	10,770,389	12.2	22,900,382	26.7
		GT 60 ft	93,231,222	10,594,893	11.4	0	0.0
		LE 60 ft	42,114,099	4,362,454	10.4	0	0.0

**Table 4-2a continued. Sablefish QS Transfer and Lease Rates, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS	Transferred QS	QS Transfer Rate (%)	Leased QS	QS Lease Rate (%)
Aleutians	1995	Freezer	16,374,036	695,809	4.2	6,445,229	39.4
		GT 60 ft	11,086,468	550,180	5.0	0	0.0
		LE 60 ft	2,402,825	897,635	37.4	0	0.0
	1996	Freezer	17,123,651	1,213,703	7.1	3,784,635	22.1
		GT 60 ft	11,319,633	352,931	3.1	0	0.0
		LE 60 ft	2,660,576	496,076	18.6	0	0.0
	1997	Freezer	17,537,967	3,560,809	20.3	5,437,538	31.0
		GT 60 ft	11,319,633	743,433	6.6	0	0.0
		LE 60 ft	2,660,576	612,934	23.0	0	0.0
	1998	Freezer	17,537,967	633,790	3.6	3,516,048	20.0
		GT 60 ft	11,319,633	1,501,959	13.3	0	0.0
		LE 60 ft	2,660,576	391,026	14.7	0	0.0
	1999	Freezer	17,952,283	790,836	4.4	6,904,455	38.5
		GT 60 ft	11,319,633	3,937,790	34.8	0	0.0
		LE 60 ft	2,660,576	79,102	3.0	0	0.0
	2000	Freezer	17,952,283	790,836	4.4	4,203,108	23.4
		GT 60 ft	11,319,633	3,937,790	34.8	0	0.0
		LE 60 ft	2,660,576	79,102	3.0	0	0.0
	2001	Freezer	17,952,283	1,108,521	6.2	3,337,439	18.6
		GT 60 ft	11,319,633	988,765	8.7	0	0.0
		LE 60 ft	2,660,576	278,214	10.5	0	0.0
	2002	Freezer	17,952,283	1,639,258	9.1	1,497,227	8.3
		GT 60 ft	11,319,633	1,617,966	14.3	0	0.0
		LE 60 ft	2,660,576	230,261	8.7	0	0.0
	2003	Freezer	17,952,283	2,760,605	15.4	3,798,359	21.2
		GT 60 ft	11,319,633	698,573	6.2	0	0.0
		LE 60 ft	2,660,576	617,942	23.2	0	0.0
	2004	Freezer	17,952,283	282,769	1.6	2,321,050	12.9
		GT 60 ft	11,319,633	3,219,850	28.4	0	0.0
		LE 60 ft	2,660,576	522,128	19.6	119,319	4.5
	2005	Freezer	17,952,283	311,496	1.7	1,445,050	8.1
		GT 60 ft	11,319,633	792,700	7.0	0	0.0
		LE 60 ft	2,660,576	272,269	10.2	0	0.0
	2006	Freezer	17,952,283	2,900,646	16.2	0	0.0
		GT 60 ft	11,319,633	2,989,377	26.4	0	0.0
		LE 60 ft	2,660,576	212,608	8.0	0	0.0
	All Years	Freezer	212,191,885	16,689,078	7.9	42,690,138	20.1
		GT 60 ft	135,602,431	21,331,314	15.7	0	0.0
		LE 60 ft	31,669,161	4,689,297	14.8	119,319	0.4

Note: These data may include multiple transactions involving the same QS units.

**Table 4-2b. Transfer and Lease Rates by numbers of Sablefish QS Holders, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS Holders	Holders Transferring QS	QS Holders Transfer Rate (%)	Holders Leasing QS	QS Holders Lease Rate (%)	
Southeast	1995	Freezer	44	6	13.6	12	27.3	
		GT 60 ft	117	18	15.4	1	0.9	
		LE 60 ft	500	118	23.6	0	0.0	
	1996	Freezer	41	9	22.0	9	22.0	
		GT 60 ft	110	20	18.2	0	0.0	
		LE 60 ft	463	91	19.7	3	0.6	
	1997	Freezer	38	9	23.7	8	21.1	
		GT 60 ft	104	14	13.5	2	1.9	
		LE 60 ft	422	87	20.6	3	0.7	
	1998	Freezer	40	3	7.5	11	27.5	
		GT 60 ft	102	7	6.9	1	1.0	
		LE 60 ft	397	42	10.6	1	0.3	
	1999	Freezer	41	4	9.8	12	29.3	
		GT 60 ft	110	11	11.8	1	0.9	
		LE 60 ft	463	42	11.2	1	0.2	
	2000	Freezer	41	4	9.8	13	31.7	
		GT 60 ft	91	10	11	1	1.1	
		LE 60 ft	370	36	9.7	1	0.3	
	2001	Freezer	39	2	5.1	14	35.9	
		GT 60 ft	91	2	2.2	0	0.0	
		LE 60 ft	362	31	8.6	1	0.3	
	2002	Freezer	39	4	10.3	12	30.8	
		GT 60 ft	90	12	13.3	0	0.0	
		LE 60 ft	359	32	8.9	1	0.3	
	2003	Freezer	36	4	11.1	10	27.8	
		GT 60 ft	88	13	14.8	0	0.0	
		LE 60 ft	353	51	14.4	1	0.3	
	2004	Freezer	35	1	2.9	10	28.6	
		GT 60 ft	86	5	5.8	0	0.0	
		LE 60 ft	352	28	8.0	0	0.0	
	2005	Freezer	34	2	5.9	8	23.5	
		GT 60 ft	84	9	10.7	0	0.0	
		LE 60 ft	342	42	12.3	2	0.6	
	2006	Freezer	34	2	5.9	8	23.5	
		GT 60 ft	83	4	4.8	0	0.0	
		LE 60 ft	333	34	10.2	2	0.6	
	All Years	Freezer	462	50	10.8	127	27.5	
		GT 60 ft	1,156	125	10.8	6	0.5	
		LE 60 ft	4,716	634	13.4	16	0.3	
	W. Yakutat	1995	Freezer	33	4	12.1	11	33.3
			GT 60 ft	123	16	13.0	1	0.8
			LE 60 ft	268	49	18.3	0	0.0
1996		Freezer	32	6	18.8	7	21.9	
		GT 60 ft	127	19	15.0	0	0.0	
		LE 60 ft	244	51	20.9	0	0.0	
1997		Freezer	32	7	21.9	6	18.8	
		GT 60 ft	119	28	23.5	0	0.0	
		LE 60 ft	211	54	25.6	0	0.0	
1998		Freezer	32	4	12.5	6	18.8	
		GT 60 ft	119	13	10.9	0	0.0	
		LE 60 ft	203	15	7.4	1	0.5	
1999		Freezer	24	3	12.5	6	25.0	
		GT 60 ft	53	6	11.3	0	0.0	
		LE 60 ft	46	2	4.3	0	0.0	
2000		Freezer	24	2	0.0	8	33.3	
		GT 60 ft	52	9	17.3	0	0.0	
		LE 60 ft	46	10	21.7	0	0.0	
2001	Freezer	23	5	21.7	7	30.4		
	GT 60 ft	53	8	15.1	0	0.0		
	LE 60 ft	46	4	8.7	0	0.0		

**Table 4-2b continued. Transfer and Lease Rates of Sablefish QS Holders, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS Holders	Holders Transferring QS	QS Holders Transfer Rate (%)	Holders Leasing QS	QS Holders Lease Rate (%)
W. Yakutat Cont.	2002	Freezer	25	6	24.0	8	32.0
		GT 60 ft	47	7	14.9	0	0.0
		LE 60 ft	45	2	4.4	0	0.0
	2003	Freezer	25	6	24.0	6	24.0
		GT 60 ft	47	17	36.2	0	0.0
		LE 60 ft	45	3	6.7	0	0.0
	2004	Freezer	25	1	4.0	3	12.0
		GT 60 ft	48	5	10.4	0	0.0
		LE 60 ft	46	2	4.3	0	0.0
	2005	Freezer	25	9	36	3	12.0
		GT 60 ft	48	5	10.6	0	0.0
		LE 60 ft	45	0	0.0	0	0.0
	2006	Freezer	25	4	16	2	8.0
		GT 60 ft	48	2	4.2	0	0.0
		LE 60 ft	44	7	15.9	0	0.0
All Years	Freezer	296	47	15.9	70	23.7	
	GT 60 ft	628	70	11.1	0	0.0	
	LE 60 ft	572	44	7.7	0	0.0	
C. Gulf	1995	Freezer	41	4	9.8	14	34.1
		GT 60 ft	179	25	14.0	0	0.0
		LE 60 ft	379	70	18.5	0	0.0
	1996	Freezer	42	6	14.3	10	23.8
		GT 60 ft	176	28	15.9	0	0.0
		LE 60 ft	350	61	17.4	2	0.6
	1997	Freezer	37	9	24.3	7	18.9
		GT 60 ft	172	41	23.8	1	0.6
		LE 60 ft	310	73	23.5	0	0.0
	1998	Freezer	37	3	8.1	8	21.6
		GT 60 ft	171	12	7.0	0	0.0
		LE 60 ft	300	26	8.7	1	0.3
	1999	Freezer	36	7	19.4	8	22.2
		GT 60 ft	163	16	9.8	0	0.0
		LE 60 ft	283	32	11.3	1	0.4
	2000	Freezer	36	3	8.3	11	30.6
		GT 60 ft	168	23	13.7	0	0.0
		LE 60 ft	273	30	11.0	0	0.0
	2001	Freezer	36	3	8.3	10	27.8
		GT 60 ft	172	11	6.4	0	0.0
		LE 60 ft	266	25	9.4	0	0.0
	2002	Freezer	36	1	2.8	10	27.8
		GT 60 ft	168	10	6.0	0	0.0
		LE 60 ft	268	26	9.7	0	0.0
	2003	Freezer	36	3	8.3	9	25.0
		GT 60 ft	164	26	15.9	2	1.2
		LE 60 ft	264	39	14.8	0	0.0
	2004	Freezer	36	2	5.6	8	22.2
		GT 60 ft	161	13	8.1	2	1.2
		LE 60 ft	254	19	7.5	0	0.0
	2005	Freezer	34	1	2.8	7	20.6
		GT 60 ft	162	14	8.6	2	1.2
		LE 60 ft	249	33	13.3	0	0.0
	2006	Freezer	34	5	14.7	8	23.5
		GT 60 ft	165	10	6.1	2	1.2
		LE 60 ft	241	17	7.1	0	0.0
All Years	Freezer	441	47	10.7	110	24.9	
	GT 60 ft	2,021	229	11.3	9	0.5	
	LE 60 ft	3,437	451	13.1	4	0.1	
W. Gulf	1995	Freezer	29	3	10.3	9	31.0
		GT 60 ft	98	8	8.2	0	0.0
		LE 60 ft	93	16	17.2	0	0.0

**Table 4-2b continued. Transfer and Lease Rates of Sablefish QS Holders, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS Holders	Holders Transferring QS	QS Holders Transfer Rate (%)	Holders Leasing QS	QS Holders Lease Rate (%)
W. Gulf Cont.	1996	Freezer	31	4	12.9	4	12.9
		GT 60 ft	96	8	8.3	0	0.0
		LE 60 ft	89	10	11.2	0	0.0
	1997	Freezer	30	6	20.0	7	23.3
		GT 60 ft	93	23	24.7	0	0.0
		LE 60 ft	84	18	21.4	0	0.0
	1998	Freezer	30	1	3.3	7	23.3
		GT 60 ft	91	14	15.4	0	0.0
		LE 60 ft	78	12	15.4	0	0.0
	1999	Freezer	29	2	6.9	5	17.2
		GT 60 ft	89	7	7.9	0	0.0
		LE 60 ft	76	7	9.2	0	0.0
	2000	Freezer	29	0	0.0	9	31.0
		GT 60 ft	91	12	13.8	1	1.1
		LE 60 ft	75	15	20.3	1	1.3
	2001	Freezer	28	7	25.0	7	25.0
		GT 60 ft	91	14	15.6	0	0.0
		LE 60 ft	72	12	16.4	0	0.0
	2002	Freezer	28	1	3.6	7	25.0
		GT 60 ft	92	12	13.3	0	0.0
		LE 60 ft	72	6	8.6	1	1.4
	2003	Freezer	27	0	0.0	4	14.8
		GT 60 ft	90	12	13.2	0	0.0
		LE 60 ft	70	8	11.4	0	0.0
	2004	Freezer	27	1	3.7	3	11.1
		GT 60 ft	90	15	16.9	0	0.0
		LE 60 ft	73	12	17.6	0	0.0
	2005	Freezer	26	0	0.0	2	7.7
		GT 60 ft	89	10	11.2	0	0.0
		LE 60 ft	71	8	11.3	0	0.0
2006	Freezer	26	6	23.1	4	15.4	
	GT 60 ft	88	7	8.0	0	0.0	
	LE 60 ft	70	10	14.5	0	0.0	
All Years	Freezer	339	31	9.1	68	19.2	
	GT 60 ft	1,098	142	12.9	1	0.0	
	LE 60 ft	923	134	14.5	2	0.0	
Bering Sea	1995	Freezer	23	4	17.4	8	34.8
		GT 60 ft	61	3	4.9	0	0.0
		LE 60 ft	55	6	10.9	0	0.0
	1996	Freezer	26	2	7.7	4	15.4
		GT 60 ft	59	2	3.4	0	0.0
		LE 60 ft	52	4	7.7	0	0.0
	1997	Freezer	26	2	7.7	6	23.1
		GT 60 ft	57	4	7.0	0	0.0
		LE 60 ft	51	4	7.8	0	0.0
	1998	Freezer	25	5	20.0	9	36.0
		GT 60 ft	55	2	3.6	0	0.0
		LE 60 ft	51	0	0.0	0	0.0
	1999	Freezer	24	3	12.5	6	25.0
		GT 60 ft	53	6	11.3	0	0.0
		LE 60 ft	46	2	4.3	0	0.0
	2000	Freezer	24	0	0.0	8	33.3
		GT 60 ft	52	9	17.3	0	0.0
		LE 60 ft	46	10	21.7	0	0.0
	2001	Freezer	23	5	21.7	7	30.43
		GT 60 ft	53	8	15.1	0	0.0
		LE 60 ft	46	4	8.7	0	0.0
	2002	Freezer	25	6	24	8	32.0
		GT 60 ft	47	7	14.9	0	0.0
		LE 60 ft	45	2	4.4	0	0.0

**Table 4-2b continued. Transfer and Lease Rates of Sablefish QS Holders, 1995-2006
By Area, Year, and Vessel Category**

Area	Year	Vessel Category	Year-end QS Holders	Holders Transferring QS	QS Holders Transfer Rate (%)	Holders Leasing QS	QS Holders Lease Rate (%)
Bering Sea Cont.	2003	Freezer	25	6	24.0	6	24.0
		GT 60 ft	47	17	36.2	0	0.0
		LE 60 ft	45	3	6.7	0	0.0
	2004	Freezer	25	1	4.0	3	12.0
		GT 60 ft	48	5	10.4	0	0.0
		LE 60 ft	46	2	4.3	0	0.0
	2005	Freezer	25	9	36.0	3	12.0
		GT 60 ft	48	5	10.6	0	0.0
		LE 60 ft	45	0	0.0	0	0.0
	2006	Freezer	25	4	16.0	2	8.0
		GT 60 ft	48	2	4.2	0	0.0
		LE 60 ft	44	7	15.9	0	0.0
	All Years	Freezer	296	47	15.9	70	23.7
		GT 60 ft	628	70	11.1	0	0.0
		LE 60 ft	572	44	7.7	0	0.0
Aleutians	1995	Freezer	28	3	10.7	10	35.7
		GT 60 ft	58	6	10.3	0	0.0
		LE 60 ft	41	5	12.2	0	0.0
	1996	Freezer	30	3	10.0	5	16.7
		GT 60 ft	60	3	5.0	0	0.0
		LE 60 ft	42	3	7.1	0	0.0
	1997	Freezer	29	6	20.7	6	20.7
		GT 60 ft	59	5	8.5	0	0.0
		LE 60 ft	41	6	14.6	0	0.0
	1998	Freezer	29	3	10.3	9	31.0
		GT 60 ft	56	9	16.1	0	0.0
		LE 60 ft	40	5	12.5	0	0.0
	1999	Freezer	28	2	7.1	6	21.4
		GT 60 ft	51	9	17.6	0	0.0
		LE 60 ft	32	2	6.3	0	0.0
	2000	Freezer	27	2	7.1	7	25.9
		GT 60 ft	50	9	15.7	0	0.0
		LE 60 ft	30	10	32.3	0	0.0
	2001	Freezer	28	5	14.8	8	28.6
		GT 60 ft	50	7	12	0	0.0
		LE 60 ft	29	5	17.2	0	0.0
	2002	Freezer	27	4	7.1	4	14.8
		GT 60 ft	49	5	8.0	0	0.0
		LE 60 ft	29	5	14.3	0	0.0
	2003	Freezer	28	1	3.7	3	10.7
		GT 60 ft	49	8	14.3	0	0.0
		LE 60 ft	31	2	7.1	0	0.0
	2004	Freezer	28	2	7.1	2	7.1
		GT 60 ft	48	3	6.1	0	0.0
		LE 60 ft	31	3	3.3	1	3.2
	2005	Freezer	29	2	7.1	3	10.3
		GT 60 ft	47	10	16.7	0	0.0
		LE 60 ft	31	2	6.7	0	0.0
	2006	Freezer	28	3	10.7	0	0.0
		GT 60 ft	46	4	8.7	0	0.0
		LE 60 ft	30	3	10.0	0	0.0
	All Years	Freezer	339	36	10.6	63	18.6
		GT 60 ft	623	78	12.5	0	0.0
		LE 60 ft	407	51	12.5	1	0.3

Note: These data may reflect multiple transactions by the same person but are provided as an overall rate for all QS holders.

4.3 Lessors, Lessees, Leases, and Lease Rates

Table 4-3 provides additional details on lease transactions over the 1995 through 2006 time period. The table provides information on the number of lessors and lessees as well as the number of leases. Note that the numbers of lessors, lessees, and leases may vary for a particular type of QS because a person could lease QS to more than one person. Similarly, a person could lease QS from more than one person.

The table also provides data on the average amount of sablefish QS transferred per lease, the total amount of QS leased, and the QS lease rate as a percentage of the year-end QS. These data are provided by area, year, and vessel category.

An “All Years” summary row is provided for each area and vessel category. The numbers in these rows are the sum of the numbers over the entire period or averages and rates based upon numbers summed over all twelve years.

The table again shows that most of the formal lease transactions over the 1995–2006 period occurred with freezer vessel QS. Although there are no restrictions on leasing of freezer vessel QS there were relatively few leases even in that category. Overall freezer vessel QS lease rates ranged from 9.4% in the Central Gulf area to 28.5% in the Southeast area over the 1995 through 2006 time period.

No catcher vessel QS leases occurred in the Bering Sea areas. Lease rates for catcher vessel QS were all less than 1% in all other sablefish areas.

Table 4-3. Leases of QS by Area, Year, and Vessel Category, 1995-2006

Mgmt. Area	Year	Vessel Category	Year-end QS	Year-end QS Holders	Number of Lessors	Number Of Leases	Number Of Lessees	Leased QS	Average QS Per Lease	QS Lease Rate (%)
Southeast	1995	Freezer	6,070,255	44	12	15	10	1,250,725	83,382	20.6
		GT 60 ft	13,542,232	117	1	1	1	8,684	8,684	0.1
		LE 60 ft	45,740,275	500	0	0	0	0	0	0.0
	1996	Freezer	5,985,260	41	9	10	7	1,163,473	116,347	19.4
		GT 60 ft	13,485,766	110	0	0	0	0	0	0.0
		LE 60 ft	46,358,449	463	3	3	3	67,705	22,568	0.1
	1997	Freezer	6,041,780	38	8	9	8	1,121,892	124,655	18.6
		GT 60 ft	13,460,403	104	2	2	2	112,623	56,312	0.8
		LE 60 ft	46,436,579	422	3	3	3	351,423	117,141	0.8
	1998	Freezer	6,070,866	40	11	12	12	1,624,942	135,412	26.8
		GT 60 ft	13,460,403	102	1	1	1	88,931	88,931	0.7
		LE 60 ft	46,436,579	397	1	1	1	262,994	262,994	0.6
	1999	Freezer	6,099,952	41	12	13	13	1,875,675	144,283	30.7
		GT 60 ft	13,435,647	110	1	1	1	88,931	88,931	0.7
		LE 60 ft	46,461,335	463	1	1	1	262,994	262,994	0.6
	2000	Freezer	6,133,979	41	13	12	17	1,991,758	165,980	32.5
		GT 60 ft	13,434,040	91	1	1	1	88,927	88,927	0.7
		LE 60 ft	46,462,942	370	1	1	3	129,753	129,753	0.3

Table 4-3 continued. Leases of QS by Area, Year, and Vessel Category, 1995–2006

Mgmt. Area	Year	Vessel Category	Year-end QS	Year-end QS Holders	Number of Lessors	Number of Leasees	Number of Leasees	Leased QS	Average QS Per Lease	QS Lease Rate (%)
Southeast Cont.	2001	Freezer	6,133,979	39	14	13	16	2,182,011	167,847	35.6
		GT 60 ft	13,434,040	91	0	0	0	0	0	0.0
		LE 60 ft	46,462,942	362	1	1	1	129,754	129,754	0.3
	2002	Freezer	6,133,979	39	12	13	16	2,037,564	156,736	33.2
		GT 60 ft	13,434,040	90	0	0	0	0	0	0.0
		LE 60 ft	46,551,727	359	1	1	1	129,753	129,753	0.3
	2003	Freezer	6,133,979	36	10	13	15	3,237,506	249,039	52.8
		GT 60 ft	13,434,913	88	0	0	0	0	0	0.0
		LE 60 ft	46,551,727	353	1	1	1	125,029	125,029	0.3
	2004	Freezer	6,133,979	35	10	13	14	1,912,574	147,121	31.2
		GT 60 ft	13,434,913	86	0	0	0	0	0	0.0
		LE 60 ft	46,551,727	352	0	0	0	0	0	0.0
	2005	Freezer	6,133,979	34	8	9	9	1,244,075	138,231	20.3
		GT 60 ft	13,434,913	84	0	0	0	0	0	0.0
		LE 60 ft	46,551,727	342	2	2	2	512,818	256,409	1.1
	2006	Freezer	6,133,979	34	8	9	9	1,245,271	138,363	20.3
		GT 60 ft	13,435,064	83	0	0	0	0	0	0.0
		LE 60 ft	46,551,576	333	2	2	2	580,808	290,404	1.2
All Years	Freezer	73,205,966	462	115	128	133	20,887,466	148,138	28.5	
	GT 60 ft	161,426,374	1,156	5	5	5	388,096	64,683	0.2	
	LE 60 ft	557,117,585	4,716	15	15	16	2,553,031	159,564	0.5	
W. Yakutat	1995	Freezer	4,266,270	33	11	13	11	823,074	63,313	19.3
		GT 60 ft	32,059,405	123	1	1	1	64,029	64,029	0.2
		LE 60 ft	16,271,594	268	0	0	0	0	0	0.0
	1996	Freezer	4,279,728	32	7	8	7	605,902	75,738	14.2
		GT 60 ft	32,170,690	127	0	0	0	0	0	0.0
		LE 60 ft	16,577,808	244	0	0	0	0	0	0.0
	1997	Freezer	4,326,056	32	6	6	5	244,956	40,826	5.7
		GT 60 ft	32,192,683	119	0	0	0	0	0	0.0
		LE 60 ft	16,597,881	211	0	0	0	0	0	0.0
	1998	Freezer	4,349,897	32	6	6	6	249,381	41,564	5.7
		GT 60 ft	32,261,525	119	0	0	0	0	0	0.0
		LE 60 ft	16,595,803	203	1	2	1	17,457	8,729	0.1
	1999	Freezer	4,373,738	30	7	7	7	419,265	59,895	9.6
		GT 60 ft	32,261,525	112	0	0	0	0	0	0.0
		LE 60 ft	16,595,803	181	1	1	1	17,457	17,457	0.1
	2000	Freezer	4,373,738	29	8	7	10	424,992	60,713	9.7
		GT 60 ft	32,261,525	115	0	0	0	0	0	0.0
		LE 60 ft	16,595,803	178	0	0	0	0	0	0.0
	2001	Freezer	4,373,738	29	9	8	10	592,258	74,032	13.5
		GT 60 ft	32,261,525	113	0	0	0	0	0	0.0
		LE 60 ft	16,595,803	178	0	0	0	0	0	0.0
	2002	Freezer	4,373,738	29	8	7	9	736,738	105,248	16.8
		GT 60 ft	32,260,508	112	0	0	0	0	0	0.0
		LE 60 ft	16,595,795	177	0	0	0	0	0	0.0
	2003	Freezer	4,373,738	29	6	6	6	343,743	57,291	7.9
		GT 60 ft	32,260,508	110	1	1	1	233,320	233,320	0.7
		LE 60 ft	16,632,664	170	0	0	0	0	0	0.0
	2004	Freezer	4,373,738	29	4	4	4	215,384	53,846	4.9
		GT 60 ft	32,261,214	109	1	1	1	233,316	233,316	0.7
		LE 60 ft	16,630,453	165	1	1	1	70,443	70,443	0.4
	2005	Freezer	4,373,738	29	4	4	4	209,885	52,471	4.8
		GT 60 ft	32,261,214	108	1	1	1	233,324	233,324	0.7
		LE 60 ft	16,609,747	160	0	0	0	0	0	0.0
	2006	Freezer	4,373,738	28	6	6	6	228,054	38,009	5.2
		GT 60 ft	32,261,214	107	0	0	0	0	0	0.0
		LE 60 ft	16,630,453	152	0	0	0	0	0	0.0
	All Years	Freezer	52,211,855	361	82	82	85	5,093,632	62,117	9.8
		GT 60 ft	386,773,536	1374	4	4	4	763,989	190,997	0.2
		LE 60 ft	198,929,607	2,287	3	4	3	105,357	26,339	0.1

Table 4-3 continued. Leases of QS by Area, Year, and Vessel Category, 1995–2006

Mgmt. Area	Year	Vessel Category	Year-end QS	Year-end QS Holders	Number of Lessors	Number of Leasees	Number of Leasees	Leased QS	Average QS Per Lease	QS Lease Rate (%)	
C. Gulf	1995	Freezer	15,067,735	41	14	16	13	2,902,784	181,424	19.3	
		GT 60 ft	52,735,414	179	0	0	0	0	0	0.0	
		LE 60 ft	39,832,161	379	0	0	0	0	0	0.0	
	1996	Freezer	16,129,641	42	10	10	10	1,495,362	149,536	9.3	
		GT 60 ft	52,874,736	176	0	0	0	0	0	0.0	
		LE 60 ft	40,993,469	350	2	3	2	46,711	15,570	0.1	
	1997	Freezer	16,922,204	37	7	7	6	915,675	130,811	5.4	
		GT 60 ft	52,921,573	172	1	1	1	114,005	114,005	0.2	
		LE 60 ft	41,030,081	310	0	0	0	0	0	0.0	
	1998	Freezer	16,969,807	37	8	8	8	1,736,142	217,018	10.2	
		GT 60 ft	53,025,668	171	0	0	0	0	0	0.0	
		LE 60 ft	41,036,948	300	1	1	1	38,477	38,477	0.1	
	1999	Freezer	17,557,104	36	8	8	8	1,615,847	201,981	9.2	
		GT 60 ft	53,025,668	163	0	0	0	0	0	0.0	
		LE 60 ft	41,036,948	283	1	1	1	38,477	38,477	0.1	
	2000	Freezer	17,577,104	36	11	10	11	2,278,186	227,819	13.0	
		GT 60 ft	53,025,668	168	0	0	0	0	0	0.0	
		LE 60 ft	41,036,948	273	0	0	0	0	0	0.0	
	2001	Freezer	17,557,104	36	10	10	11	2,395,806	239,581	13.6	
		GT 60 ft	53,025,668	172	0	0	0	0	0	0.0	
		LE 60 ft	41,036,948	266	0	0	0	0	0	0.0	
	2002	Freezer	17,557,104	36	10	9	10	2,202,798	244,755	12.5	
		GT 60 ft	53,025,668	168	0	0	0	0	0	0.0	
		LE 60 ft	41,085,276	268	0	0	0	0	0	0.0	
	2003	Freezer	17,557,104	36	9	9	10	1,595,924	177,325	9.1	
		GT 60 ft	53,044,252	164	2	2	2	1,118,620	559,310	2.1	
		LE 60 ft	41,085,276	264	0	0	0	0	0	0.0	
	2004	Freezer	17,557,104	36	8	8	8	741,498	92,687	4.2	
		GT 60 ft	53,044,252	161	2	2	2	1,116,601	558,301	2.1	
		LE 60 ft	41,085,276	254	0	0	0	0	0	0.0	
	2005	Freezer	17,557,10434	34	7	7	7	713,669	101,953	4.1	
		GT 60 ft	53,044,252	162	2	2	2	1,107,093	553,547	2.1	
		LE 60 ft	41,085,276	249	0	0	0	0	0	0.0	
	2006	Freezer	17,557,104	34	8	8	8	789,737	98,717	4.5	
		GT 60 ft	53,044,252	165	2	2	2	173,366	86,683	0.3	
		LE 60 ft	41,085,276	241	0	0	0	0	0	0.0	
	All Years	Freezer	205,546,219	441	110	110	110	19,383,428	176,213	9.4	
		GT 60 ft	635,837,071	2,021	9	9	9	3,629	403,298	0.6	
		LE 60 ft	491,429,883	3,437	4	5	4	123,665	24,733	0.1	
	W. Gulf	1995	Freezer	13,398,039	29	9	12	10	3,718,498	309,875	27.8
			GT 60 ft	15,330,271	98	0	0	0	0	0	0.0
			LE 60 ft	6,468,532	93	0	0	0	0	0	0.0
1996		Freezer	13,469,942	31	4	5	5	3,137,255	627,451	23.3	
		GT 60 ft	15,545,162	96	0	0	0	0	0	0.0	
		LE 60 ft	6,778,198	89	0	0	0	0	0	0.0	
1997		Freezer	13,578,407	30	7	8	8	3,288,630	411,079	24.2	
		GT 60 ft	15,590,669	93	0	0	0	0	0	0.0	
		LE 60 ft	6,766,163	84	0	0	0	0	0	0.0	
1998		Freezer	13,594,180	30	7	8	8	1,533,658	191,707	11.3	
		GT 60 ft	15,591,876	91	0	0	0	0	0	0.0	
		LE 60 ft	6,764,956	78	0	0	0	0	0	0.0	
1999		Freezer	13,671,401	29	5	6	6	1,321,485	220,248	9.7	
		GT 60 ft	15,591,876	89	0	0	0	0	0	0.0	
		LE 60 ft	6,764,956	76	0	0	0	0	0	0.0	
2000		Freezer	13,671,401	29	9	8	10	1,824,031	228,004	13.3	
		GT 60 ft	15,592,748	91	1	1	1	94,468	94,468	0.6	
		LE 60 ft	6,764,956	75	1	1	1	69,000	69,000	1.0	
2001		Freezer	13,671,401	28	7	8	9	2,039,459	254,932	14.9	
		GT 60 ft	15,592,748	91	0	0	0	0	0	0.0	
		LE 60 ft	6,764,956	72	0	0	0	0	0	0.0	

Table 4-3 continued. Leases of QS by Area, Year, and Vessel Category, 1995–2006

Mgmt. Area	Year	Vessel Category	Year-end QS	Year-end QS Holders	Number of Lessors	Number of Leasees	Number of Leasees	Leased QS	Average QS Per Lease	QS Lease Rate
W. Gulf Cont.	2002	Freezer	13,671,401	28	7	8	9	1,770,901	221,363	13.0
		GT 60 ft	15,592,748	92	0	0	0	0	0	0.0
		LE 60 ft	6,764,956	72	1	1	1	96,159	96,159	1.4
	2003	Freezer	13,671,401	27	4	4	2,119,804	3,502,949	583,825	25.6
		GT 60 ft	15,593,222	90	0	0	0	0	0	0.0
		LE 60 ft	6,764,956	70	0	0	0	0	0	0.0
	2004	Freezer	13,671,401	26	2	3	3	1,626,825	542,275	11.9
		GT 60 ft	15,593,222	90	0	0	0	0	0	0.0
		LE 60 ft	6,764,956	73	0	0	0	0	0	0.0
	2005	Freezer	13,671,401	26	2	3	3	1,626,825	542,275	11.9
		GT 60 ft	15,593,222	89	0	0	0	0	0	0.0
		LE 60 ft	6,764,956	71	0	0	0	0	0	0.0
	2006	Freezer	13,671,401	26	40	6	6	1,651,313	275,219	12.1
		GT 60 ft	15,596,926	88	0	0	0	0	0	0.0
		LE 60 ft	6,761,252	70	0	0	0	0	0	0.0
All Years	Freezer	163,411,776	339	68	85	86	27,534,808	323,939	16.8	
	GT 60 ft	186,804,690	1,098	1	1	1	94,468	94,468	0.1	
	LE 60 ft	80,893,793	923	2	2	2	165,159	82,580	0.2	
Bering Sea	1995	Freezer	6,654,211	23	8	8	7	2,008,938	251,117	30.2
		GT 60 ft	7,773,286	61	0	0	0	0	0	0.0
		LE 60 ft	3,171,305	55	0	0	0	0	0	0.0
	1996	Freezer	7,107,489	26	4	5	4	998,940	199,788	14.1
		GT 60 ft	7,773,286	59	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	52	0	0	0	0	0	0.0
	1997	Freezer	7,288,858	26	6	6	6	1,424,719	237,453	19.5
		GT 60 ft	7,773,286	57	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	51	0	0	0	0	0	0.0
	1998	Freezer	7,288,858	25	9	9	7	3,905,196	433,911	53.6
		GT 60 ft	7,758,364	55	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	51	0	0	0	0	0	0.0
	1999	Freezer	7,470,227	24	6	6	6	1,230,119	205,020	16.5
		GT 60 ft	7,758,364	53	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	46	0	0	0	0	0	0.0
	2000	Freezer	7,470,227	24	8	13	15	3,585,187	275,784	48.0
		GT 60 ft	7,758,364	52	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	46	0	0	0	0	0	0.0
	2001	Freezer	7,470,227	23	7	9	11	2,262,567	251,396	30.3
		GT 60 ft	7,758,364	53	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	46	0	0	0	0	0	0.0
	2002	Freezer	7,470,227	25	8	8	10	2,919,897	364,987	39.1
		GT 60 ft	7,758,364	47	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	45	0	0	0	0	0	0.0
	2003	Freezer	7,470,227	25	6	5	7	1,866,659	373,332	25.0
		GT 60 ft	7,779,886	47	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	45	0	0	0	0	0	0.0
	2004	Freezer	7,470,227	25	3	3	5	982,660	327,553	13.2
		GT 60 ft	7,779,886	48	0	0	0	0	0	0.0
		LE 60 ft	3,540,254	46	0	0	0	0	0	0.0
2005	Freezer	7,470,227	25	3	4	4	829,668	207,417	11.1	
	GT 60 ft	7,779,886	48	0	0	0	0	0	0.0	
	LE 60 ft	3,540,254	45	0	0	0	0	0	0.0	
2006	Freezer	7,470,227	25	2	2	2	885,832	207,417	11.9	
	GT 60 ft	7,779,886	48	0	0	0	0	0	0.0	
	LE 60 ft	3,540,254	44	0	0	0	0	0	0.0	
All Years	Freezer	88,101,232	296	70	78	84	22,900,382	327,148	26.0	
	GT 60 ft	93,231,222	628	0	0	0	0	0	0.0	
	LE 60 ft	42,114,099	572	0	0	0	0	0	0.0	
Aleutians	1995	Freezer	16,374,036	28	10	11	9	6,445,229	585,930	39.4
		GT 60 ft	11,086,468	58	0	0	0	0	0	0.0
		LE 60 ft	2,402,825	41	0	0	0	0	0	0.0

Table 4-3 continued. Leases of QS by Area, Year, and Vessel Category, 1995–2006

Mgmt. Area	Year	Vessel Category	Year-end QS	Year-end QS Holders	Number of Lessors	Number of Leasees	Number of Leasees	Leased QS	Average QS Per Lease	QS Lease Rate
Aleutians Cont.	1996	Freezer	17,123,651	30	5	7	7	3,784,635	540,662	22.1
		GT 60 ft	11,319,633	60	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	42	0	0	0	0	0	0.0
	1997	Freezer	17,537,967	29	6	8	6	5,437,538	679,692	31.0
		GT 60 ft	11,319,633	59	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	41	0	0	0	0	0	0.0
	1998	Freezer	17,537,967	29	9	9	9	3,516,048	390,672	20.0
		GT 60 ft	11,319,633	56	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	40	0	0	0	0	0	0.0
	1999	Freezer	17,952,283	28	6	35	31	6,904,455	548,099	38.5
		GT 60 ft	11,319,633	51	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	32	0	0	0	0	0	0.0
	2000	Freezer	17,952,283	27	7	5	11	4,203,108	840,622	23.4
		GT 60 ft	11,319,633	50	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	30	0	0	0	0	0	0.0
	2001	Freezer	17,952,283	28	8	8	9	3,337,439	417,180	18.6
		GT 60 ft	11,319,633	50	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	29	0	0	0	0	0	0.0
	2002	Freezer	17,952,283	27	4	4	4	1,497,227	374,307	8.3
		GT 60 ft	11,319,633	49	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	29	0	0	0	0	0	0.0
	2003	Freezer	17,952,283	28	3	4	8	3,798,359	949,590	21.2
		GT 60 ft	11,319,633	49	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	31	0	0	0	0	0	0.0
	2004	Freezer	17,952,283	28	2	2	4	2,321,050	1,160,525	12.9
		GT 60 ft	11,319,633	48	0	0	0	0	0	0.0
		LE 60 ft	2,660,576	31	1	1	1	119,319	119,319	4.5
2005	Freezer	17,952,283	29	3	3	3	1,445,050	481,683	8.0	
	GT 60 ft	11,319,633	47	0	0	0	0	0	0.0	
	LE 60 ft	2,660,576	31	0	0	0	0	0	0.0	
2006	Freezer	17,952,283	28	0	0	0	0	0	0.0	
	GT 60 ft	11,319,633	46	0	0	0	0	0	0.0	
	LE 60 ft	2,660,576	30	0	0	0	0	0	0.0	
All Years	Freezer	212,191,885	339	63	70	78	42,690,138	609,859	20.1	
	GT 60 ft	135,602,431	623	0	0	0	0	0	0.0	
	LE 60 ft	31,669,161	407	1	1	1	119,319	119,319	0.4	

4.4 Sablefish QS Lease Prices

This section provides information on sablefish QS lease prices. Table 4-4 provides summary data on the total number of formal lease transactions over the 1995 through 2006 time period and the number and percentage of these transactions that had lease prices available from the transfer forms. The table indicates that there were 599 sablefish QS lease transactions over the twelve year period, but lease prices were available for only 288 (48.1%) of the transactions.³⁶

As can be seen, QS leases occurred in all sablefish areas in each year except in the Aleutians in 2006. Although in low numbers the leases occurred largely within the freezer vessel class. There are no QS leasing restrictions for freezer (harvester-processor) QS. As noted earlier, the regulations that allowed leasing of catcher vessel QS expired on January 2, 1998 and have not been renewed.³⁷

Table 4-5 provides information on the relatively low sablefish lease transactions for which prices were available. The table provides price information, and data on the number of priced lease transactions, the amount of QS involved in the lease, the average QS per lease, the amount of IFQ associated with the lease, and the average IFQ per lease by area and vessel category.

Where sufficient observations are available to preserve confidentiality, average lease prices are reported. Prices are reported in dollars per leased QS unit and in dollars per pound of IFQ leased. Prices per pound of IFQ leased are comparable across areas within a year.

As can be seen, there are not enough priced observations in many categories to report an average price. Since there were relatively few priced lease transactions, the reader should view the reported average lease prices with caution.

In almost every case the only reportable average prices are for freezer vessels. In 1995, the average lease price for freezer QS in terms of dollars per pound of IFQ varied from \$.53 per pound in the Bering Sea and Aleutian Islands Areas to \$1.03 per pound in the Southeast area.

For 1996, there are fewer reportable average lease prices. Average lease prices for freezer vessel QS varied only slightly. The lease prices varied from \$.37 per pound in Bering Sea in 1997 of IFQ to 1.18 in the Southeast for 1997.

In 1997, average lease prices per pound of sablefish IFQ were lower than in 1995 or 1996 in most areas, with the exception of Southeast Alaska. In 2006, lease prices per pound of sablefish IFQ averaged \$.92 over all areas.

³⁶ NMFS-RAM personnel have suggested that most lease transactions have monetary considerations. However, in many cases the lease contract is a "share" contract or percentage contract. In such cases, persons coding the transfer document have no way to calculate the exact amount of the lease or the rental price per pound of IFQ. Thus in the computer file the fields are left blank or "unpriced" even though the lessor will receive compensation.

³⁷ See 50 CFR 679.41(h)(2)

Prices over “all” areas are reported in the last rows of the table for each year from 1995 through 2006. Again, prices can only be reported for the freezer vessel category. Average prices over all areas for the lease of sablefish freezer vessel QS ranged from \$.68 per pound of IFQ in 1997 to \$1.84 per pound of IFQ in 2005.³⁸

³⁸ The reader should note that more observations can be included in the average calculated over all areas while preserving the confidentiality of the data.

Table 4-4. Priced and Unpriced Sablefish QS Leases By Area and Vessel Category, 1995-2006

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
Southeast	1995	Freezer	15	12	80.0	237,140	203,375	85.8
		GT 60 ft	1	0	0.0	1,647	0	0.0
	1996	Freezer	10	4	40.0	179,295	34,339	19.2
		LE 60 ft	3	1	33.3	8,338	985	11.8
	1997	Freezer	9	6	66.7	139,443	79,318	56.9
		GT 60 ft	2	0	0.0	13,679	0	0.0
	1998	LE 60 ft	3	0	0.0	40,913	0	0.0
		Freezer	12	6	50.0	192,820	82,583	42.8
	1999	GT 60 ft	1	0	0.0	10,931	0	0.0
		LE 60 ft	1	1	100.0	30,660	30,660	100.0
	2000	NA	NA	NA	NA	NA	NA	NA
		Freezer	17	5	29.4	236,273	54,740	23.2
	2001	GT 60 ft	1	0	0.0	10,549	0	0.0
		LE 60 ft	2	1	50.0	15,392	593	3.9
	2002	Freezer	16	4	25.0	244,782	47,187	19.3
		LE 60 ft	1	0	0.0	14,556	0	0.0
	2003	Freezer	16	6	37.5	218,372	52,236	23.9
		LE 60 ft	1	0	0.0	13,906	0	0.0
	2004	Freezer	15	2	13.3	384,292	50,333	13.1
		LE 60 ft	1	0	0.0	14,841	0	0.0
	2005	Freezer	14	1	7.1	240,412	13,010	5.4
		Freezer	9	2	22.2	148,083	33,054	22.3
	2006	LE 60 ft	2	1	50.0	61,041	60,747	99.5
Freezer		9	4	44.4	146,150	66,159	45.3	
		LE 60 ft	2	0	29.4	68,166	0	23.2
W. Yakutat	1995	Freezer	13	7	53.8	127,988	97,172	75.9
		GT 60 ft	1	0	0.0	9,957	0	0.0
	1996	Freezer	8	3	37.5	73,969	52,157	70.5
		Freezer	6	4	66.7	25,134	19,432	77.3
	1998	Freezer	6	2	33.3	22,703	5,401	23.8
		LE 60 ft	2	0	0.0	1,694	0	0.0
	1999	NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	3	10	30.0	33,777	3,943	11.7
		Freezer	3	10	30.0	43,882	3,943	9.0
	2001	Freezer	9	5	55.6	51,322	38,017	74.1
		Freezer	6	1	16.7	28,823	465	1.6
	2002	Freezer	4	1	25.0	19,914	4,476	22.5
		GT 60 ft	1	0	0.0	21,572	0	0.0
	2003	LE 60 ft	1	0	0.0	6,513	0	0.0
		Freezer	4	1	25.0	19,745	4,554	23.1
	2004	GT 60 ft	1	0	0.0	21,950	0	0.0
Freezer		6	3	50.0	18,783	13,904	74.0	
C. Gulf	1995	Freezer	16	11	68.8	397,159	353,943	89.1
		Freezer	10	4	40.0	163,744	68,732	42.0
	1996	LE 60 ft	3	1	33.3	4,973	1,987	40.0
		Freezer	7	4	57.1	95,394	42,756	44.8
	1997	GT 60 ft	1	0	0.0	7,355	0	0.0
		Freezer	8	5	62.5	181,898	134,966	74.2
	1998	LE 60 ft	1	0	0.0	4,225	0	0.0
		NA	NA	NA	NA	NA	NA	NA
	2000	Freezer	11	3	27.3	206,264	62,084	30.1
		Freezer	11	4	36.4	204,532	107,432	52.5
	2001	Freezer	10	4	40.0	188,997	85,842	45.4
		Freezer	0	0	0.0	0	0	0.0
	2002	Freezer	8	1	12.5	85,492	10,070	11.8
		Freezer	7	1	14.3	81,706	10,000	12.2
	2003	GT 60 ft	2	0	0.0	126,748	0	0.0
Freezer		8	4	50.0	79,440	24,775	31.2	
W. Gulf	1995	Freezer	12	8	66.7	456,929	382,203	83.6
	1996	Freezer	5	4	80.0	306,110	305,674	99.9
	1997	Freezer	8	5	62.5	131,737	117,869	89.5
	1998	Freezer	8	7	87.5	135,138	125,461	92.8

Table 4-4 continued. Priced and Unpriced Sablefish QS Leases By Area and Vessel Category, 1995-2006

Area	Year	Vessel Category	Number of Leases	Number of Priced Leases	Pct. Priced Leases	All Leased IFQ	IFQ In Priced Leases	Pct. In Priced Leases
W. Gulf Cont.	1999	Freezer	NA	NA	NA	NA	NA	NA
	2000	Freezer	10	6	60.0	164,29	142,116	86.5
		GT 60 ft	1	0	0.0	8,509	0	0.0
		LE 60 ft	1	0	0.0	6,215	0	0.0
	2001	Freezer	9	4	44.4	200,667	16,225	8.1
	2002	Freezer	9	5	55.6	194,182	171,320	88.2
		LE 60 ft	1	0	0.0	10,544	0	0.0
	2003	Freezer	6	4	66.7	440,689	190,994	0.0
	2004	Freezer	7	4	57.1	304,041	302,540	99.5
	2005	Freezer	3	2	66.7	202,271	0	0.0
2006	Freezer	6	6	100.0	215,824	215,824	100.0	
Bering Sea	1995	Freezer	8	6	75.0	172,971	148,956	86.1
	1996	Freezer	5	2	40.0	51,502	29,941	58.1
	1997	Freezer	6	6	100.0	81,318	81,318	100.0
	1998	Freezer	9	8	88.9	245,198	232,757	94.9
	1999	Freezer	NA	NA	NA	NA	NA	NA
	2000	Freezer	15	10	66.7	247,618	161,823	65.4
	2001	Freezer	11	7	63.6	165,836	87,442	52.7
	2002	Freezer	10	3	30.0	264,776	32,446	12.3
	2003	Freezer	7	0	0.0	254,341	0	0.0
	2004	Freezer	5	4	80.0	133,892	33,892	25.3
2005	Freezer	4	3	75.0	95,006	80,094	84.3	
2006	Freezer	2	2	100.0	117,234	117,234	100.0	
Aleutians	1995	Freezer	11	9	81.8	602,564	575,372	95.5
	1996	Freezer	7	2	28.6	218,346	184,706	84.6
	1997	Freezer	8	8	100.0	280,466	280,466	100.0
	1998	Freezer	9	8	88.9	210,570	193,870	92.1
	1999	Freezer	NA	NA	NA	NA	NA	NA
	2000	Freezer	11	2	18.2	423,197	49,481	11.7
	2001	Freezer	9	5	55.6	345,623	147,811	42.8
	2002	Freezer	4	2	50.0	158,194	143,776	90.9
	2003	Freezer	8	7	87.5	487,757	481,557	98.7
	2004	Freezer	4	4	100.0	298,052	298,052	100.0
	LE 60 ft	1	0	0.0	15,322	0	0.0	
2005	Freezer	3	3	100.0	156,832	156,832	100.0	
ALL	1995	Freezer	75	53	70.7	1,994,751	1,761,021	88.3
	1996	Freezer	45	19	42.2	992,966	675,549	68.0
	1997	Freezer	44	33	75.0	753,492	621,159	82.4
	1998	Freezer	52	36	69.2	988,327	775,038	78.4
	1999	Freezer	NA	NA	NA	NA	NA	NA
	2000	Freezer	74	29	39.2	1,311,425	474,187	36.2
	2001	Freezer	66	27	40.9	1,205,322	410,040	34.0
	2002	Freezer	58	25	43.1	1,075,843	523,637	48.7
		LE 60 ft	2	0	0.0	24,450	0	0.0
	2003	Freezer	42	14	33.3	1,595,902	723,349	45.3
	2004	Freezer	42	15	35.7	1,081,803	662,040	61.2
		LE 60 ft	2	0	0.0	36,894	0	0.0
	2005	Freezer	30	12	40.0	703,643	284,534	40.4
2006	Freezer	31	19	61.3	577,431	437,896	75.8	

a) NA indicates data not available
 Note: Table includes only years with data.

Table 4-5. Average Prices For Sablefish QS "Priced" Leases By Area and Vessel Category, 1995-2006

Area	Year	Vessel Category	Average Lease \$/IFQ	Average Lease \$/QS	IFQ in Priced Leases	Average IFQ Per Lease	QS in Priced Leases	Average QS Per Lease	Number of Leases
Southeast	1995	Freezer	1.03	0.20	203,375	16,948	1,072,697	89,391	12
	1996	Freezer	0.99	0.15	34,339	8,585	225,993	56,498	4
		LE 60 ft	C	C	985	985	6,668	6,668	1
	1997	Freezer	1.18	0.15	79,318	13,220	633,885	105,648	6
	1998	Freezer	C	C	82,583	13,764	689,567	114,928	6
		LE 60 ft	C	C	30,660	30,660	262,994	262,994	1
	1999	Freezer	1.17	0.12	91,055	15,176	855,095	142,516	6
		LE 60 ft	C	C	28,663	28,663	262,994	262,994	1
	2000	Freezer	1.05	0.13	54,740	10,948	461,453	92,291	5
		LE 60 ft	C	C	593	593	4,999	4,999	1
	2002	Freezer	0.99	0.11	47,774	9,555	445,765	89,153	5
	2003	Freezer	C	C	12,283	12,283	103,479	103,479	1
2004	Freezer	C	C	13,010	13,010	103,500	103,500	1	
2005	Freezer	C	C	33,054	16,527	277,693	138,847	2	
2006	Freezer	C	C	40,792	20,396	347,568	173,784	2	
W. Yakutat	1995	Freezer	0.67	0.10	97,172	13,882	624,900	89,271	7
	1996	Freezer	C	C	52,157	17,386	423,997	141,332	3
	1997	Freezer	0.62	0.06	19,432	4,858	188,228	47,057	4
	1998	Freezer	C	C	5,401	2,701	53,959	26,980	2
	1999	Freezer	0.76	0.06	7,380	1,845	96,452	24,113	4
	2000	Freezer	0.95	0.07	6,184	1,546	77,809	19,452	4
	2002	Freezer	1.00	0.07	36,356	9,089	521,898	130,474	4
	2004	Freezer	C	C	4,476	4,476	48,411	48,411	1
	2005	Freezer	C	C	4,554	4,554	48,408	48,408	1
	2006	Freezer	C	C	4,444	2,222	53,957	26,978	2
C. Gulf	1995	Freezer	0.81	0.11	353,943	32,177	2,586,923	235,175	11
	1996	Freezer	1.00	0.11	68,732	17,183	631,607	157,902	4
		LE 60 ft	C	C	1,987	1,987	18,497	18,497	1
	1997	Freezer	0.51	0.05	42,756	10,689	399,450	99,863	4
	1998	Freezer	1.04	0.11	134,966	26,993	1,282,294	256,459	5
	1999	Freezer	0.56	0.05	115,271	28,818	1,219,457	304,864	4
	2000	Freezer	C	C	62,084	20,695	685,718	228,573	3
	2001	Freezer	C	C	50,138	50,138	587,296	587,296	1
	2002	Freezer	0.93	0.08	85,842	21,461	1,000,506	250,126	4
	2003	Freezer	C	C	8,883	8,883	87,334	87,334	1
2004	Freezer	C	C	10,070	10,070	87,340	87,340	1	
2006	Freezer	C	C	9,901	4,951	98,429	49,214	2	
W. Gulf	1995	Freezer	0.99	0.12	382,203	47,775	3,110,377	388,797	8
	1996	Freezer	1.00	0.10	305,674	76,419	3,133,082	783,271	4
	1997	Freezer	0.74	0.03	117,869	23,574	3,147,642	629,528	5
	1998	Freezer	0.91	0.08	125,461	17,923	1,436,038	205,148	7
	1999	Freezer	C	C	30,988	10,329	342,320	114,107	3
	2000	Freezer	0.99	0.09	111,642	27,911	1,239,461	309,865	4
	2002	Freezer	0.99	0.11	171,320	34,264	1,562,404	312,481	5
	2003	Freezer	1.00	0.13	190,994	47,749	1,518,173	379,543	4
	2004	Freezer	1.00	0.14	302,540	60,508	2,109,339	421,868	5
	2005	Freezer	C	C	201,488	100,744	1,620,528	810,264	2
2006	Freezer	C	C	181,210	60,403	1,386,474	462,158	3	
Bering Sea	1995	Freezer	0.53	0.05	148,956	24,826	1,730,019	288,337	6
	1996	Freezer	C	C	29,941	14,971	587,458	293,729	2
	1997	Freezer	0.37	0.02	81,318	13,553	1,424,719	237,453	6
	1998	Freezer	0.58	0.04	232,757	29,095	3,702,649	462,831	8
	1999	Freezer	C	C	68,726	22,909	994,972	331,657	3
	2000	Freezer	1.09	0.08	147,775	18,472	2,139,590	267,449	8
	2001	Freezer	C	C	47,014	15,671	641,431	213,810	3
	2002	Freezer	C	C	32,446	10,815	357,808	119,269	3
	2004	Freezer	C	C	21,600	10,800	158,527	79,263	2
	2005	Freezer	C	C	80,094	26,698	699,445	233,148	3
2006	Freezer	C	C	100,000	100,000	755,610	755,610	1	
Aleutians	1995	Freezer	0.53	0.05	575,372	63,930	6,154,374	683,819	9
	1996	Freezer	C	C	11,986	11,986	143,455	143,455	1

Table 4-5 continued. Average Prices For Sablefish QS "Priced" Leases By Area and Vessel Category, 1995-2006

Area	Year	Vessel Category	Average Lease \$/IFQ	Average Lease \$/QS	IFQ in Priced Leases	Average IFQ Per Lease	QS in Priced Leases	Average QS Per Lease	Number of Leases
Aleutians Cont.	1997	Freezer	0.63	0.03	280,466	35,058	5,437,538	679,692	8
	1998	Freezer	0.64	0.04	193,870	24,234	3,252,541	406,568	8
	1999	Freezer	0.51	0.03	227,624	45,525	3,774,314	754,863	5
	2001	Freezer	C	C	57,809	28,905	558,221	279,111	2
	2002	Freezer	C	C	143,776	71,888	1,360,768	680,384	2
	2003	Freezer	0.50	0.06	481,557	68,794	3,750,077	535,725	7
	2004	Freezer	C	C	181,114	60,371	1,410,407	470,136	3
	2005	Freezer	C	C	58,000	29,000	534,412	267,206	2
All Areas	1995	Freezer	0.75	0.09	1,761,021	33,227	15,279,290	288,288	53
	1996	Freezer	0.96	0.09	502,829	27,935	5,145,592	285,866	18
		LE 60 ft	C	C	2,972	1,486	25,165	12,583	2
	1997	Freezer	0.68	0.04	621,159	18,823	11,231,462	340,347	33
	1998	Freezer	0.78	0.06	775,038	21,529	10,417,048	289,362	36
		LE 60 ft	C	C	30,660	30,660	262,994	262,994	1
	1999	Freezer	0.75	0.07	541,044	21,642	7,282,610	291,304	25
		LE 60 ft	C	C	28,663	28,663	262,994	262,994	1
	2000	Freezer	0.98	0.09	382,425	15,934	4,604,031	191,835	24
	2001	Freezer	0.88	0.07	154,961	25,827	1,786,948	297,825	6
	2002	Freezer	0.95	0.09	373,738	17,797	3,888,381	185,161	21
	2003	Freezer	0.88	0.41	693,717	53,363	5,459,063	419,928	13
	2004	Freezer	0.83	0.61	88,802	6,831	3,917,524	301,348	13
	2005	Freezer	1.84	0.20	377,190	37,719	3,180,486	318,049	10
	2006	Freezer	0.92	0.10	336,347	33,635	2,642,038	264,204	10

a) C indicates confidential data

b) NA indicates data not available

Note: Table includes only years with data.

5 Sablefish: Types of Transfers, Financing of Transfers, Relationships between Transferors and Transfer Recipients, and Use of Brokers.

This chapter uses information collected during QS transfers to classify transactions by type of transaction. Transfers were classified as “priced sales,” “gifts,” “other sales,” “trades,” and “unknown.” The chapter examines the extent to which different financing sources were used in priced transfers, the relationships between parties to transfers, and the extent to which brokers are involved in transfers.

All permanent transfers or leases of QS must be reviewed and approved by NMFS. Persons involved in the transfer or lease of QS are required to complete and submit a transfer application to NMFS-RAM. Part of this application is to be filled out by the transferor and part of it is to be filled out by the transfer recipient. In some cases, brokers help to complete these forms. The transfer application form asks some basic questions to help NMFS monitor changes under the IFQ program. Appendix II provides copies of the transfer applications used from 1995 through 1998 and 2006. Data from the transfer application form has been used for the analyses in this chapter.³⁹

Due to a significant database change, 1999 data are not available in the following tables.

5.1 Sales, Gifts, Trades, and Other Transfers

In the early program years the transfer application form did not specifically ask if a QS transfer was a sale, gift, or trade. Without this information, the authors had to use other available transfer form information and some decision criteria to decide how transactions should be classified. For example, on the transfer application persons often indicated whether or not a transfer was a gift when they answered one of the open ended questions such as, “*What is your reason for transferring the QS and/or the IFQ...?*” and “*If this is a purchase of QS or IFQ, how are you financing the purchase...?*” Respondents often answered these questions by writing in “gift,” “gift transfer,” “gift to son,” or a similar answer.

The transfer transactions were divided into one of five categories:

<i>Priced sales</i>	A price for the QS transferred was listed on the transfer application form.
<i>Other sales</i>	Some monetary exchange occurred but during a transfer NMFS-RAM could not calculate a price for the QS, based on application data.
<i>Trades</i>	Something was traded for the QS during a transfer.
<i>Gifts</i>	A QS transfer is noted as a gift with no evidence of a reciprocal exchange.
<i>Unknown</i>	Insufficient or no information was provided or to classify a transaction.

³⁹There have been some changes in the survey from one year to another. These are discussed in this chapter where they may be significant.

In 1997 NMFS-RAM revised their transfer application forms to provide more detail on gift and trade transactions. With these changes it was possible to reduce the percentage of observations assigned to the “unknown transaction type” category and increase the numbers assigned to “gifts” and “trades.” Because of these refinements, the data series may not be comparable between 1995-1996 and 1997- 2006. Although other application question changes were made over time they did not separately affect classification of transfers in these groups throughout these changes. The numbers of observations assigned to the “priced” category were not affected and this series should be comparable for the 1995-2006 period.

Table 5-1a provides data on the amount of QS transferred in permanent transactions from 1995 through 2006 by management area and the type of exchange. The first columns show the total amount of QS transferred in priced sales, and the percent of all QS transferred by priced sales.⁴⁰

The “priced sales” category was the predominate class of permanent transfers. In all six of the management areas “priced sales” accounted for over 50% of the QS transferred during the twelve years. In five of the areas it was over 60% of the QS transferred during the twelve years.

The total percentages of QS transferred through sales are higher than indicated by the table for “priced sales” since the “other sales” category and, probably, some of the “unknown” transfers were also sales transactions. The percentage of QS transferred in “priced sales” generally rose over the first three years, then fell considerably in 1998.

The remaining columns show the amount and the percentage of each area’s QS transferred in “other sales,” “trades,” “gifts,” and “unknown” transaction types. As noted earlier, because of changes in the available data it is difficult to interpret the change in the percentage of “gifts,” “trades,” and “unknown” transactions. Therefore, this summary will focus on amounts of QS by type in 1997 - 2006.

In 1997 and 2006, the percentage of QS transferred in “other sales” ranged from zero in a number of area-year combinations up to 11.6% average in the Central Gulf. The percentage of QS transferred in “trades” ranged from zero in several area-year combinations up to 4.7% average in Southeastern region. The percentage of QS transferred as “gifts” ranged from zero in two area-year combinations up to 12.1% average in Southeastern region. The percentage of QS transferred in “unknown” transactions ranged from zero in the Bering Sea area to a 12.3% average in the Aleutians.

⁴⁰ These tables reflect QS transferred one or more times. Therefore the apparent percentage of the entire QS “pool” (total units issued) transferred over time is higher than the actual percentage of unique QS units transferred either annually or over time.

Table 5-1b provides information on the number and percentage of sablefish transfer transactions (as opposed to QS transferred) that were classified as priced sales, other sales, trades, gifts, or unknown. Transfer transactions are distributed roughly in the same fashion as QS transferred. However, differences exist since the amount of QS transferred can vary widely across transactions.

Table 5-1a. Sablefish QS Transfer Activity (QS units) by Area, Year, and Nature of the Transfer

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
SE	1995	3,979,009	67.5	327,210	5.5	339,624	5.8	434,454	7.4	817,523	13.9	5,897,820
	1996	4,137,124	71.5	11,133	0.2	280,327	4.8	54,884	0.9	1,300,929	22.5	5,784,397
	1997	3,775,136	73.8	0	0.0	388,900	7.6	588,827	11.5	362,450	7.1	5,115,313
	1998	1,363,249	40.1	0	0.0	188,145	5.5	108,059	3.2	1,743,773	51.2	3,403,226
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2,437,200	72.6	0	0.0	200,431	6.0	677,774	20.2	42,510	1.3	3,357,915
	2001	2,654,550	95.8	0	0.0	0	0.0	23,371	0.8	92,008	3.3	2,769,929
	2002	4,510,823	82.8	0	0.0	0	0.0	935,886	17.2	1,914	0.0	5,448,623
	2003	3,915,120	71.2	69,226	1.3	634,090	11.5	884,137	16.1	0	0.0	5,502,573
	2004	1,813,584	57.1	0	0.0	285,038	9.0	1,075,695	33.9	0	0.0	3,174,317
	2005	4,080,846	66.6	673,496	11.0	40,373	0.7	1,132,161	18.5	201,183	3.3	6,128,059
	2006	3,233,391	95.6	0	0.0	0	0.0	149,246	4.4	0	0.0	3,382,637
All Yrs	35,900,032	70.1	1,081,065	2.2	2,356,928	4.7	6,064,494	12.1	4,562,290	9.1	49,964,809	
WY	1995	1,739,106	53.0	95,642	2.9	78,786	2.4	246,064	7.5	1,118,872	34.1	3,278,470
	1996	2,857,545	74.2	0	0.0	16,749	0.4	9,032	0.2	968,084	25.1	3,851,410
	1997	3,315,101	80.0	218,234	5.3	327,367	7.9	74,929	1.8	208,350	5.0	4,143,981
	1998	1,262,283	59.7	0	0.0	45,702	2.2	46,848	2.2	758,882	35.9	2,113,715
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2,157,852	70.1	0	0.0	200,431	6.5	677,774	22.0	42,510	1.4	3,078,567
	2001	2,654,550	95.8	0	0.0	0	0.0	23,371	0.8	92,008	3.3	2,769,929
	2002	4,510,823	82.8	0	0.0	0	0.0	935,886	17.2	1,914	0.0	5,448,623
	2003	3,915,120	71.2	69,226	1.3	634,090	11.5	884,137	16.1	0	0.0	5,502,573
	2004	1,813,584	57.1	0	0.0	285,038	9.0	1,075,695	33.9	0	0.0	3,174,317
	2005	2,136,630	92.6	0	0.0	0	0.0	170,270	7.4	11	0.0	2,306,911
	2006	1,025,813	83.4	11	0.0	0	0.0	1,431	0.1	202,409	16.5	1,229,664
All Yrs	27,388,407	74.2	383,113	1.0	1,588,163	4.3	4,145,437	11.2	3,393,040	9.2	36,898,160	
CG	1995	4,630,923	59.1	384,867	4.9	339,455	4.3	186,258	2.4	2,291,973	29.3	7,833,476
	1996	7,139,275	75.9	0	0.0	334,357	3.6	0	0.0	1,927,946	20.5	9,401,578
	1997	10,056,007	88.4	537,800	4.7	293,037	2.6	325,657	2.9	159,023	1.4	11,371,524
	1998	2,617,875	56.6	0	0.0	0	0.0	328,469	7.1	1,676,787	36.3	4,623,131
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	7,646,155	89.7	81,480	1.0	128,939	1.5	455,761	5.3	214,142	2.5	8,526,477
	2001	6,061,097	62.4	3,139,665	32.3	0	0.0	423,065	4.4	85,977	0.9	9,709,804
	2002	4,388,105	64.0	2,302,422	33.6	30,676	0.4	133,195	1.9	0	0.0	6,854,398
	2003	6,037,763	75.6	0	0.0	321,385	4.0	1,627,906	20.4	0	0.0	7,987,054
	2004	2,713,366	72.3	0	0.0	0	0.0	1,039,139	27.7	0	0.0	3,752,505
	2005	3,265,499	83.0	65	0.0	346,512	8.8	322,150	8.2	23	0.0	3,934,249
	2006	5,261,254	94.9	0	0.0	73,064	1.3	99,644	1.8	112,017	2.0	5,545,979
All Yrs	36,020,521	71.7	5,837,443	11.6	949,604	1.9	4,055,939	8.1	3,354,307	6.7	50,217,814	

Table 5-1a continued. Sablefish QS Transfer Activity (QS units by Area, Year, and Nature of the Transfer)

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
WG	1995	1,134,150	59.4	152,333	8.0	3,763	0.2	0	0.0	618,253	32.4	1,908,499
	1996	2,936,768	84.1	0	0.0	0	0.0	0	0.0	556,781	15.9	3,493,549
	1997	1,949,765	76.9	346,401	13.7	955	0.0	235,660	9.3	4,264	0.2	2,537,045
	1998	1,126,187	55.0	83,194	4.1	472,740	23.1	163,471	8.0	201,146	9.8	2,046,738
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2,085,853	93.8	0	0.0	0	0.0	138,563	6.2	0	0.0	2,224,416
	2001	3,712,826	64.1	1,512,616	26.1	172,778	3.0	97,869	1.7	296,340	5.1	5,792,429
	2002	2,005,871	66.7	894,317	29.7	0	0.0	106,211	3.5	0	0.0	3,006,399
	2003	2,853,192	94.4	168,057	5.6	0	0.0	1,536	0.1	0	0.0	3,022,785
	2004	2,789,786	93.4	0	0.0	0	0.0	198,577	6.6	0	0.0	2,988,363
	2005	3,316,657	97.9	0	0.0	0	0.0	71,682	2.1	0	0.0	3,388,339
	2006	2,317,210	90.1	0	0.0	0	0.0	252,816	9.8	556	0.0	2,570,582
	All Yrs	26,228,265	74.8	3,174,918	9.6	650,236	2.0	1,266,385	3.8	1,677,340	5.1	32,997,144
BS	1995	245,383	24.5	0	0.0	227,632	22.7	0	0.0	530,512	52.9	1,003,527
	1996	1,521,914	99.7	0	0.0	0	0.0	0	0.0	4,829	0.3	1,526,743
	1997	989,170	78.1	0	0.0	0	0.0	277,824	21.9	0	0.0	1,266,994
	1998	442,817	18.9	0	0.0	0	0.0	0	0.0	1,904,230	81.1	2,347,047
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1,985,391	90.8	40,011	1.8	0	0.0	161,772	7.4	0	0.0	2,187,174
	2001	2,654,550	95.8	0	0.0	0	0.0	23,371	0.8	92,008	3.3	2,769,929
	2002	2,113,963	87.5	14,555	0.6	0	0.0	286,593	11.9	1,914	0.1	2,417,025
	2003	5,295,015	97.7	0	0.0	0	0.0	122,589	2.3	0	0.0	5,417,604
	2004	918,589	52.1	845,995	47.9	0	0.0	0	0.0	0	0.0	1,764,584
	2005	1,469,002	92.9	0	0.0	0	0.0	111,405	7.0	343	0.0	1,580,750
	2006	683,318	54.7	0	0.0	43,016	3.4	522,396	41.8	0	0.0	1,248,730
	All Yrs	24,293,863	78.9	1,214,437	3.9	511,620	1.7	1,604,999	5.2	3,148,453	10.2	30,773,372
AI	1995	1,573,780	73.4	52,268	2.4	0	0.0	2,927	0.1	514,649	24.0	2,143,624
	1996	1,610,325	78.1	0	0.0	99,322	4.8	0	0.0	353,063	17.1	2,062,710
	1997	4,900,749	99.7	0	0.0	0	0.0	2,927	0.1	13,500	0.3	4,917,176
	1998	1,056,185	41.8	0	0.0	957,106	37.9	0	0.0	513,484	20.3	2,526,775
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1,100,158	46.3	0	0.0	0	0.0	331,821	14.0	943,521	39.7	2,375,500
	2001	2,654,550	95.8	0	0.0	0	0.0	23,371	0.8	92,008	3.3	2,769,929
	2002	4,510,823	82.8	0	0.0	0	0.0	935,886	17.2	1,914	0.0	5,448,623
	2003	3,915,120	71.2	69,226	1.3	634,090	11.5	884,137	16.1	0	0.0	5,502,573
	2004	1,174,949	85.4	0	0.0	0	0.0	201,516	14.6	-0	0.0	1,376,465
	2005	5,645,272	92.0	338,045	5.5	0	0.0	119,314	2.0	0	0.0	6,102,631
	2006	3,508,222	98.8	0	0.0	0	0.0	42,968	1.2	0	0.0	3,551,190
	All Yrs	31,683,129	94.9	721,147	2.2	1,102,694	3.3	2,915,886	8.7	4,091,631	12.3	33,384,607

Note: NA indicates data not available

Table 5-1b. Numbers of Sablefish QS Transfers (QS units) by Area, Year, and Nature of the Transfer

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
SE	1995	111	74.0	5	3.3	7	4.7	13	8.7	14	9.3	150
	1996	108	77.1	1	0.7	3	2.1	3	2.1	25	17.9	140
	1997	105	74.5	0	0.0	10	7.1	17	12.1	9	6.4	141
	1998	39	65.0	0	0.0	4	6.7	6	10.0	11	18.3	60
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	51	82.3	0	0.0	2	3.2	9	14.5	0	0.0	62
	2001	43	89.6	0	0.0	0	0.0	3	6.3	2	4.2	48
	2002	54	87.1	0	0.0	0	0.0	7	11.3	1	1.6	62
	2003	68	76.4	3	3.4	6	6.7	12	13.5	0	0.0	89
	2004	35	72.9	0	0.0	5	10.4	8	16.7	0	0.0	48
	2005	60	80.0	0	0.0	0	0.0	13	17.3	2	2.7	75
	2006	47	87.0	0	0.0	0	0.0	7	13.0	0	0.0	54
	All Yrs	721	77.6	9	1.0	37	4.0	98	10.5	64	6.9	929
WY	1995	37	52.1	7	9.9	4	5.6	8	11.3	15	21.1	71
	1996	63	73.3	0	0.0	1	1.2	1	1.2	21	24.4	86
	1997	78	75.7	1	1.0	4	3.9	13	12.6	7	6.8	103
	1998	28	66.7	0	0.0	4	9.5	3	7.1	7	16.7	42
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	42	79.2	0	0.0	2	3.8	9	17.0	0	0.0	53
	2001	21	80.8	2	7.7	0	0.0	2	7.7	1	3.8	26
	2002	25	86.2	2	6.9	1	3.4	1	3.4	0	0.0	29
	2003	31	79.5	0	0.0	3	7.7	5	12.8	0	0.0	39
	2004	16	76.2	1	4.8	0	0.0	4	19.0	0	0.0	21
	2005	31	86.1	0	0.0	0	0.0	4	11.1	1	2.8	36
	2006	21	87.5	1	4.2	0	0.0	1	4.2	1	4.2	24
	All Yrs	356	77.6	7	1.5	15	3.3	43	9.4	38	8.3	459
CG	1995	59	56.2	9	8.6	4	3.8	8	7.6	25	23.8	105
	1996	86	75.4	0	0.0	3	2.6	0	0.0	25	21.9	114
	1997	113	77.4	3	2.1	6	4.1	18	12.3	6	4.1	146
	1998	47	77.0	0	0.0	0	0.0	7	11.5	7	11.5	61
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	64	85.3	1	1.3	1	1.3	8	10.7	1	1.3	75
	2001	41	77.4	4	7.5	0	0.0	6	11.3	2	3.8	53
	2002	37	72.5	4	7.8	5	9.8	5	9.8	0	0.0	51
	2003	71	77.2	0	0.0	4	4.3	17	18.5	0	0.0	92
	2004	32	80.0	0	0.0	0	0.0	8	20.0	0	0.0	40
	2005	46	80.7	1	1.8	1	1.8	8	14.0	1	1.8	57
	2006	34	82.9	0	0.0	1	2.4	4	9.8	2	4.9	41
	All Yrs	630	74.8	22	2.6	25	3.0	89	10.7	69	8.3	835

Table 5-1b continued. Numbers of Sablefish QS Transfers by Area, Year, and Nature of the Transfer

Area	Year	Priced Sales	Pct Priced	Other Sales	Pct Other	Trades	Pct Trades	Gifts	Pct Gifts	Unknown	Pct Unknown	Total QS Transferred
WG	1995	14	51.9	3	11.1	1	3.7	0	0.0	9	33.3	27
	1996	15	65.2	0	0.0	0	0.0	0	0.0	8	34.8	23
	1997	37	75.5	3	6.1	1	2.0	7	14.3	1	2.0	49
	1998	23	74.2	1	3.2	2	6.5	2	6.5	3	9.7	31
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	27	87.1	0	0.0	0	0.0	4	12.9	0	0.0	31
	2001	34	72.3	8	17.0	1	2.1	3	6.4	1	2.1	47
	2002	16	69.6	4	17.4	0	0.0	3	13.0	0	0.0	23
	2003	20	80.0	2	8.0	0	0.0	3	12.0	0	0.0	25
	2004	28	90.3	0	0.0	0	0.0	3	9.7	0	0.0	31
	2005	19	90.5	0	0.0	0	0.0	1	4.8	1	4.8	21
	2006	17	70.8	0	0.0	0	0.0	7	29.2	0	0.0	24
	All Yrs	250	75.3	21	6.3	5	1.5	33	9.9	23	6.9	332
BS	1995	5	38.5	0	0.0	2	15.4	0	0.0	6	46.2	13
	1996	7	87.5	0	0.0	0	0.0	0	0.0	1	12.5	8
	1997	9	90.0	0	0.0	0	0.0	1	10.0	0	0.0	10
	1998	6	75.0	0	0.0	0	0.0	0	0.0	2	25.0	8
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	15	78.9	1	5.3	0	0.0	3	15.8	0	0.0	19
	2001	12	85.7	0	0.0	2	14.3	0	0.0	0	0.0	14
	2002	10	66.7	1	6.7	0	0.0	4	26.7	0	0.0	15
	2003	23	88.5	0	0.0	0	0.0	3	11.5	0	0.0	26
	2004	7	87.5	1	12.5	0	0.0	0	0.0	0	0.0	8
	2005	11	78.6	0	0.0	0	0.0	2	14.3	1	7.1	14
	2006	7	58.3	0	0.0	1	8.3	4	33.3	0	0.0	12
	All Yrs	112	76.2	3	2.0	5	3.4	17	11.6	10	6.8	147
AI	1995	7	46.7	1	6.7	0	0.0	1	6.7	6	40.0	15
	1996	5	50.0	0	0.0	1	10.0	0	0.0	4	40.0	10
	1997	14	77.8	0	0.0	0	0.0	3	16.7	1	5.6	18
	1998	12	66.7	0	0.0	5	27.8	0	0.0	1	5.6	18
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	19	90.5	0	0.0	0	0.0	1	4.8	1	4.8	21
	2001	10	62.5	4	25.0	0	0.0	1	6.3	1	6.3	16
	2002	9	64.3	2	14.3	0	0.0	3	21.4	0	0.0	14
	2003	10	90.9	0	0.0	0	0.0	1	9.1	0	0.0	11
	2004	6	75.0	0	0.0	0	0.0	2	25.0	0	0.0	8
	2005	12	85.7	1	7.1	0	0.0	1	7.1	0	0.0	14
	2006	6	75.0	0	0.0	0	0.0	2	25.0	0	0.0	8
	All Yrs	110	71.9	8	5.2	6	3.9	15	9.8	14	9.2	153

Note: NA indicates data not available

5.2 Finance Source on Priced Sales Transfers

The transfer application form asks for the “primary” source of financing for the transfer. Possible sources listed on the form include personal, bank, Alaska Department of Commerce and Economic Development (DCED) or Commercial Fishing and Agriculture Bank (CFAB) NMFS’ Financial Services Division (FSD), seller, processor, and “other”. In many cases persons indicated more than one source of financing. In other cases application forms had missing information.

The transfer form did not ask for the proportions of financing derived from different sources. This means that if personal financing and bank financing were both used on a particular transaction, it would be impossible to determine what proportion of financing was derived from each source.

Table 5-2a provides information on the sources used to finance QS transferred in “priced sales” transactions in 1995-2006. The table provides data on the amount and percentage of QS transferred under each finance method. These data are reported by area. Since some reported more than one finance method used, the row percentages in the table total more than 100%.

Personal resources and banks were the most important sources of financing. Personal resources were the most widely used financing method for QS in the Southeast, West Yakutat, Central Gulf, Western Gulf, and Aleutian Islands areas over the twelve year period. Banks overall average was slightly higher in the Bering Sea area during the twelve years. The average percent of QS financed with personal resources ranged from 15% in the Western Gulf area up to 36.4% in the Aleutian Islands area during the twelve years. The percent financed by banks ranged from 15.0 % in the West Yakutat area to 38.1% in the Aleutian Islands during the period.

The other financing methods were generally used for less than 10% of the QS over the twelve-year period. Exceptions are “seller financing” in the Southeast, Central Gulf, Bering Sea, and Aleutian Islands areas and “other financing” in the Bering Sea and Aleutian Islands areas.

Table 5-2b also provides information on the sources used to finance QS transferred in “priced sales” transactions in 1995-2006. However, while Table 5-2a provides information on the *amount* and percentage of *QS* transferred, Table 5-2b provides information on the *number* and percentage of *QS transfers* under each finance method.

As in Table 5-2a, these data are reported by area. Again, since some persons reported more than one finance method used, the row percentages in the table may total more than 100%. The data in this table are generally consistent with that in Table 5-2a. Personal resources are the most important finance method, followed by banks, seller financing, and other methods.

Table 5-2a. QS units Financed for Priced QS Sales, by Area, Year, and Finance Method,1995-2006

Area	Year	Personal resources		Bank		DCED or CFAB		NMFS Financial Service		Seller financed		Processor		Other		Missing		Unique	
		QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct		
SE	1995	1,710,625	35.3	1,109,762	22.9	415,382	8.6	0	0.0	639,615	13.2	170,945	3.5	53,058	1.1	743,638	15.4	4,843,025	
	1996	1,903,207	38.9	1,150,609	23.5	454,492	9.3	0	0.0	619,162	12.7	146,478	3.0	206,629	4.2	410,739	1.4	4,891,316	
	1997	2,071,755	49.3	818,840	19.5	259,206	6.2	0	0.0	1,031,325	24.6	0	0.0	17,495	0.4	0	0.0	4,198,621	
	1998	599,629	43.8	549,042	40.1	35,213	2.6	0	0.0	5,587	0.4	159	0.0	179,206	13.1	0	0.0	1,368,836	
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1,073,071	44.0	767,211	31.5	75,410	3.1	358,701	14.7	78,508	3.2	0	0.0	0	0.0	84,299	3.5	2,437,200	
	2001	542,123	20.4	864,349	32.6	297,494	11.2	150,283	5.7	484,716	18.3	0	0.0	52,770	2.0	262,815	9.9	2,654,550	
	2002	958,606	21.3	1,296,001	28.7	800,729	17.8	393,622	8.7	719,538	16.0	134,222	3.0	0	0.0	208,105	4.6	4,510,823	
	2003	1,403,888	37.6	581,323	15.6	453,692	12.2	443,874	11.9	745,471	20.0	1,914	0.1	0	0.0	101,288	2.7	3,731,450	
	2004	1,000,351	55.8	274,071	15.3	117,549	6.6	151,153	8.4	251,186	14.0	0	0.0	0	0.0	0	0.0	1,794,310	
	2005	1,638,908	40.8	1,532,382	38.2	432,661	10.8	0	0.0	139,057	3.5	0	0.0	0	0.0	272,629	6.8	4,015,637	
	2006	916,466	28.3	575,442	17.8	308,871	9.6	278,323	8.6	693,535	21.4	0	0.0	0	0.0	460,754	14.2	3,233,391	
	2006	13,818,629	36.7	9,519,032	25.3	3,650,699	9.7	1,775,956	4.7	5,407,700	14.4	453,718	1.2	509,158	1.4	2,544,267	6.8	37,679,159	
WY	1995	868,739	12.2	184,369	2.6	21,336	0.3	0	0.0	2,897,854	40.8	394,118	5.5	456,254	6.4	2,280,798	12.0	7,103,468	
	1996	1,808,565	22.4	1,184,527	14.7	0	0.0	0	0.0	3,313,265	41.1	261,857	3.2	1046963	13.0	444,947	2.0	8,060,124	
	1997	2,154,438	41.8	800,674	15.5	40,513	0.8	0	0.0	1,127,121	21.9	474,638	9.2	557,306	10.8	0	0.0	5,154,690	
	1998	145,348	12.3	942,188	79.9	91,261	7.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,178,797	
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2000	931,399	43.2	456,234	21.1	83,694	3.9	181,771	8.4	218,462	10.1	0	0.0	0	0.0	286,292	13.3	2,157,852	
	2001	526,602	17.9	173,560	5.9	0	0.0	825,693	28.1	0	0.0	30,546	1.0	1,384,556	47.1	0	0.0	2,940,957	
	2002	497,272	11.8	1,187,909	28.2	30,676	0.7	0	0.0	653,848	2.7	0	0.0	1,829,021	43.4	13,593	0.3	4,212,319	
	2003	594,821	18.9	520,187	16.5	321,385	10.2	93,340	3.0	113,164	2.2	0	0.0	1,506,844	47.8	0	0.0	3,149,741	
	2004	253,279	17.6	6,714	0.5	285,038	19.8	0	0.0	70,451	19.2	0	0.0	821,645	57.2	0	0.0	1,437,127	
	2005	1,219,890	57.1	275,005	12.9	0	0.0	227,848	10.7	276,614	10.9	0	0.0	0	0.0	137,273	6.4	2,136,630	
	2006	671,314	72.3	23,841	2.6	0	0.0	0	0.0	233,319	25.1	0	0.0	0	0.0	0	0.0	928,474	
	All Yrs	9,671,667	25.1	5,755,208	15.0	873,903	2.3	1,328,652	3.5	8,904,098	23.2	1,161,159	3.0	7,602,589	19.8	3,162,903	8.2	38,460,179	
CG	1995	2,344,030	64.5	1,176,583	32.4	0	0.0	0	0.0	55,847	1.5	0	0.0	0	0	58,940	1.6	3,635,400	
	1996	3,425,356	49.2	2,969,727	42.6	299,240	4.3	0	0.0	184,741	2.7	0	0.0	44,992	0	39,586	0.6	6,963,642	
	1997	3,303,059	38.1	5,037,829	58.2	49,997	0.6	0	0.0	129,349	1.5	7,110	0.0	136,055	2.9	0	0.0	8,663,399	
	1998	1,244,873	77.8	177,890	11.1	0	0.0	0	0.0	177,927	11.1	0	0.0	0	5.9	0	0.0	1,600,690	
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2000	4,218,089	55.2	743,490	9.7	675,050	8.8	440,115	5.8	510,834	6.7	272,862	5.8	0	0.0	785,715	10.3	7,646,155	
	2001	3,024,058	28.8	1,840,108	17.5	0	0.0	579,784	5.5	61,858	0.6	30,546	5.5	4,956,570	47.2	0	0.8	10,492,924	
	2002	1,102,455	29.8	331,377	9.0	30,676	0.8	613,679	16.6	35,459	1.0	0	0.0	1,102,455	29.8	83,335	12.6	3,696,948	
	2003	2,502,310	18.7	1,878,517	14.0	321,385	2.4	739,940	5.5	1,627,906	12.1	0	5.5	6,330,118	40.6	0	0.0	13,400,176	

Table 5-2a continued. QS units Financed for Priced QS Sales, by Area, Year, and Finance Method, 1995-2006

Area	Year	Personal resources		Bank		DCED or CFAB		NMFS Financial Services		Seller financed		Processor		Other		Missing		Unique
		QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct	QS	Pct	
CG Cont.	2004	1,049,447	14.2	1,193,527	16.1	285,038	3.8	196,619	2.7	1,075,695	14.5	0	0.0	3,603,707	48.7	0	19.4	7,404,033
	2005	1,479,436	25.6	1,132,360	19.6	0	0.0	87,346	1.5	0	0.0	0	0.0	2,611,796	45.2	466,851	0.0	5,777,789
	2006	2,685,739	34.6	1,033,903	13.3	0	0.0	330,012	4.2	0	0.0	0	0.0	3,719,642	47.9	490	0.8	7,769,786
	All Yrs	26,378,852	34.2	17,515,311	22.7	1,661,386	2.2	2,987,495	3.9	3,859,616	5.0	310,518	0.4	22,902,847	29.7	1,434,917	1.9	77,050,942
WG	1995	938,268	82.7	133,047	11.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	62,835	5.5	1,134,150
	1996	1,250,574	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,250,574
	1997	690,168	77.9	138,206	15.6	0	0.0	0	0.0	21,747	2.5	35,585	4.0	0	0.0	0	0.0	885,706
	1998	533,016	75.9	40,207	5.7	32,465	4.6	0	0.0	3,743	0.5	0	0.0	92,850	43.5	0	0.0	702,281
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	577,123	15.3	730,239	19.4	191,739	5.1	0	0.0	98,003	2.6	42,510	1.1	1,639,614	43.5	488,749	13.0	3,767,977
	2001	1,753,565	22.3	1,584,207	20.1	0	0.0	0	0.0	0	0.0	30,546	0.4	4,124,397	52.4	375,054	4.8	7,867,769
	2002	160,581	4.2	1,089,211	28.4	0	0.0	0	0.0	756,079	19.7	0	0.0	1,829,789	47.7	0	0.0	3,835,660
	2003	1,104,059	21.4	839,358	16.3	0	0.0	240,757	4.7	579,997	11.3	0	0.0	2,356,566	45.7	32,844	0.6	5,153,581
	2004	1,395,771	25.2	1,036,466	18.7	263,076	4.8	94,473	1.7	0	0.0	0	0.0	2,739,545	49.5	0	0.0	5,529,331
	2005	566,190	17.1	2,337,318	70.5	0	0.0	0	0.0	413,149	12.5	0	0.0	0	0.0	0	0.0	3,316,657
	2006	746,921	32.2	1,526,057	65.9	0	0.0	0	0.0	44,232	1.9	0	0.0	0	0.0	0	0.0	2,317,210
	All Yrs	9,716,236	27.2	9,454,316	26.4	487,280	1.4	335,230	0.9	1,916,950	5.4	108,641	0.3	12,782,761	35.7	959,482	2.7	35,760,896
	BS	1995	67,406	2.1	1,109,762	34.7	415,382	13.0	0	0.0	639,615	20.0	170,945	5.3	53,058	1.7	743,638	15.9
1996		587,777	16.4	1,150,609	32.2	454,492	12.7	0	0.0	619,162	17.3	146,478	4.1	206,629	5.8	410,739	1.4	3,575,886
1997		17,405	0.8	818,840	38.2	259,206	12.1	0	0.0	1,031,325	48.1	0	0.0	17,495	0.8	0	0.0	2,144,271
1998		60,435	7.3	549,042	66.2	35,213	4.2	0	0.0	5,587	0.7	159	0.0	179,206	21.6	0	0.0	829,642
1999		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2000		730,341	99.4	0	0.0	0	0.0	0	0.0	4,292	0.6	0	0.0	0	0.0	0	0.0	734,633
2001		711,314	24.3	459,284	15.7	0	0.0	85,474	2.8	220,536	7.5	30,546	1.0	1,421,680	48.5	0	0.0	2,928,834
2002		570,395	18.6	544,814	17.7	30,676	1.0	0	0.0	391,397	12.7	0	0.0	1,537,282	50.0	0	0.0	3,074,564
2003		1,342,239	15.5	2,401,808	27.8	321,385	3.7	0	0.0	0	0.0	191,753	2.2	4,397,141	50.8	0	0.0	8,654,326
2004		251,635	19.1	0	0.0	285,038	21.6	0	0.0	0	0.0	0	0.0	782,951	59.3	0	0.0	1,319,624
2005		2,316,142	94.3	0	0.0	0	0.0	0	0.0	139,956	5.7	0	0.0	0	0.0	0	0.0	2,456,098
2006		99,140	28.7	0	0.0	0	0.0	0	0.0	246,278	71.3	0	0.0	0	0.0	0	0.0	345,418
All Yrs		6,754,229	23.1	7,034,159	24.0	1,801,392	6.2	85,474	1.8	3,298,148	11.3	539,881	1.8	8,595,442	29.4	1,154,377	3.9	29,263,102
AL		1995	1,710,625	35.3	1,109,762	22.9	415,382	8.6	0	0.0	639,615	13.2	170,945	3.5	53,058	1.1	743,638	15.9
	1996	1,903,207	38.9	1,150,609	23.5	454,492	9.3	0	0.0	619,162	12.7	146,478	3.0	206,629	4.2	410,739	1.4	4,891,316
	1997	2,071,755	49.3	818,840	19.5	259,206	6.2	0	0.0	1,031,325	24.6	0	0.0	17,495	0.4	0	0.0	4,198,621
	1998	599,629	43.8	549,042	40.1	35,213	2.6	0	0.0	5,587	0.4	159	0.0	179,206	13.1	0	0.0	1,368,836
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	730,341	60.9	0	0.0	200,431	16.7	0	0.0	127,943	10.7	141,187	11.8	0	0.0	0	0.0	1,199,902
	2001	711,314	34.2	786,942	37.8	0	0.0	0	0.0	582,599	28.0	0	0.0	0	0.0	0	0.0	2,080,855
	2002	570,395	46.5	189,594	15.4	30,676	2.5	0	0.0	437,212	35.6	0	0.0	0	0.0	0	0.0	1,227,877
	2003	1,342,239	31.6	2,057,428	48.4	321,385	7.6	0	0.0	531,786	12.5	0	0.0	0	0.0	0	0.0	4,252,838
	2004	251,635	17.2	923,314	63.2	285,038	19.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,459,987
	2005	2,316,142	48.8	2,116,456	44.6	0	0.0	0	0.0	312,547	6.6	0	0.0	0	0.0	0	0.0	4,745,145
	2006	99,140	2.8	3,168,756	90.3	0	0.0	0	0.0	240,326	6.9	0	0.0	0	0.0	0	0.0	3,508,222
	All Yrs	12,306,422	36.4	12,870,743	38.1	2,001,823	5.9	0	0.0	4,528,102	13.4	458,769	1.4	456,388	1.4	1,154,377	3.4	33,776,624

Note: Because some persons reported more than one finance method used, the row percentages in the table may total more than 100%

Table 5-2b. QS Transfer Transactions for Priced QS Sales, By Area, Year, and Finance Method

Area	Year	Personal Resources		Bank		DCED or CFAB		NMFS Financial Services		Seller Financed		Processor		Other		Missing		Unique Trans	
		# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	
SE	1995	71	64.0	20	18.0	9	8.1	0	0.0	19	17.1	3	2.7	4	3.6	8	7.2	111	
	1996	64	59.3	29	26.9	4	3.7	0	0.0	12	11.1	2	1.9	4	3.7	6	5.6	108	
	1997	76	72.4	20	19.0	5	4.8	0	0.0	7	6.7	0	0.0	2	1.9	0	0.0	105	
	1998	25	64.1	9	23.1	2	5.1	0	0.0	1	2.6	1	2.6	2	5.1	0	0.0	39	
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	29	56.9	13	25.5	2	3.9	4	7.8	2	3.9	0	0.0	4	7.8	0	0.0	51	
	2001	17	39.5	5	11.6	8	18.6	4	9.3	4	9.3	0	0.0	4	9.3	1	2.3	43	
	2002	18	33.3	11	20.4	8	14.8	6	11.1	6	11.1	1	1.9	6	11.1	0	0.0	54	
	2003	29	46.8	6	9.7	8	12.9	10	16.1	7	11.3	1	1.6	10	16.1	0	0.0	62	
	2004	21	65.6	4	12.5	3	9.4	1	3.1	4	12.5	0	0.0	1	3.1	0	0.0	32	
	2005	33	52.4	19	30.2	4	6.3	0	0.0	1	1.6	0	0.0	0	0.0	0	0.0	63	
	2006	22	30.6	5	6.9	4	5.6	4	5.6	2	2.8	0	0.0	4	5.6	0	0.0	72	
All Yrs	405	54.7	141	19.1	57	7.7	29	3.9	65	8.8	8	1.1	29	3.9	13	1.8	740		
WY	1995	24	64.9	4	10.8	2	5.4	0	0.0	2	5.4	1	2.7	0	0.0	6	16.2	37	
	1996	50	79.4	11	17.5	0	0.0	0	0.0	2	3.2	2	3.2	1	1.6	1	1.6	63	
	1997	59	75.6	12	15.4	2	2.6	0	0.0	4	5.1	0	0.0	2	2.6	0	0.0	78	
	1998	17	60.7	7	25.0	2	7.1	0	0.0	0	0.0	1	3.6	1	3.6	0	0.0	28	
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2000	32	76.2	2	4.8	1	2.4	5	11.9	1	2.4	0	0.0	5	11.9	0	0.0	42	
	2001	13	61.9	1	4.8	1	4.8	6	28.6	0	0.0	0	0.0	6	28.6	0	0.0	21	
	2002	12	48.0	7	28.0	0	0.0	0	0.0	5	20.0	0	0.0	0	0.0	0	0.0	25	
	2003	15	50.0	7	23.3	1	3.3	4	13.3	2	6.7	1	3.3	4	13.3	0	0.0	30	
	2004	10	71.4	1	7.1	1	7.1	0	0.0	2	14.3	0	0.0	0	0.0	0	0.0	14	
	2005	20	64.5	4	12.9	0	0.0	5	16.1	1	3.2	0	0.0	5	16.1	0	0.0	31	
	2006	15	71.4	1	4.8	0	0.0	0	0.0	2	9.5	0	0.0	0	0.0	0	0.0	21	
All Yrs	267	67.1	57	14.3	10	2.5	20	5.0	21	5.3	5	1.3	20	5.0	5	1.3	398		
CG	1995	38	64.4	11	18.6	4	6.8	0	0.0	9	15.3	2	3.4	0	0.0	7	11.9	59	
	1996	56	65.1	22	25.6	2	2.3	0	0.0	4	4.7	2	2.3	4	4.7	2	2.3	86	
	1997	70	61.9	30	26.5	4	3.5	0	0.0	6	5.3	2	1.8	4	3.5	0	0.0	113	
	1998	27	57.4	2	4.3	2	4.3	0	0.0	4	8.5	2	4.3	10	21.3	0	0.0	47	
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2000	42	68.9	3	4.9	4	6.6	3	4.9	5	8.2	0	0.0	3	4.9	0	0.0	61	
	2001	17	45.9	7	18.9	5	13.5	5	13.5	3	8.1	0	0.0	5	13.5	0	0.0	37	
	2002	22	61.1	2	5.6	0	0.0	3	8.3	8	22.2	0	0.0	3	8.3	0	0.0	36	
	2003	37	52.9	18	25.7	4	5.7	8	11.4	3	4.3	0	0.0	8	11.4	0	0.0	70	
	2004	18	58.1	6	19.4	4	12.9	3	9.7	0	6.5	0	0.0	3	9.7	0	0.0	31	
	2005	30	65.2	9	19.6	4	8.7	1	2.2	0	95.7	0	0.0	1	2.2	0	0.0	46	
	2006	19	55.9	3	8.8	5	14.7	4	11.8	2	0.0	0	0.0	4	11.8	0	0.0	34	
All Yrs	376	58.9	113	17.7	38	6.0	27	4.2	44	6.9	8	1.3	27	4.2	18	2.8	638		
WG	1995	9	64.3	3	21.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	14.3	14	
	1996	12	80.0	3	20.0	0	0.0	0	0.0	1	6.7	0	0.0	0	0.0	0	0.0	15	
	1997	20	54.1	13	35.1	1	2.7	0	0.0	1	2.7	0	0.0	3	8.1	0	0.0	37	

Table 5-2b continued. QS Transfer Transactions for Priced QS Sales, By Area, Year, and Finance Method

Area	Year	Personal Resources		Bank		DCED or CFAB		NMFS Financial Service		Seller Financed		Processor		Other		Missing		Unique Trans
		# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans	Pct	# Trans
WG Cont.	1998	12	52.2	5	21.7	0	0.0	0	0.0	0	0.0	1	4.3	5	21.7	0	0.0	23
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14	51.9	8	29.6	2	7.4	0	0.0	1	3.7	0	0.0	0	0.0	0	0.0	27
	2001	20	48.8	10	24.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	41
	2002	6	35.3	7	41.2	0	0.0	0	0.0	3	17.6	0	0.0	0	0.0	0	0.0	17
	2003	8	53.3	5	33.3	0	0.0	2	13.3	3	20.0	0	0.0	2	13.3	1	6.7	15
	2004	13	38.2	10	29.4	4	11.8	1	2.9	0	0.0	0	0.0	1	2.9	0	0.0	34
	2005	7	50.0	6	42.9	0	0.0	0	0.0	6	42.9	0	0.0	0	0.0	0	0.0	14
	2006	8	19.5	8	19.5	0	0.0	0	0.0	1	2.4	0	0.0	0	0.0	0	0.0	41
All Yrs	129	57.1	78	34.5	7	3.1	3	1.3	16	7.1	1	0.4	3	1.3	8	3.5	226	
BS	1995	3	60.0	2	40.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5
	1996	3	42.9	4	57.1	0	0.0	0	0.0	1	14.3	0	0.0	0	0.0	0	0.0	7
	1997	4	44.4	2	22.2	0	0.0	0	0.0	0	0.0	0	0.0	3	33.3	0	0.0	9
	1998	2	33.3	2	33.3	0	0.0	0	0.0	2	33.3	0	0.0	0	0.0	0	0.0	6
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14	93.3	0	0.0	0	0.0	0	0.0	1	6.7	0	0.0	0	0.0	0	0.0	15
	2001	6	50.0	2	16.7	0	0.0	2	16.7	2	16.7	0	0.0	2	16.7	0	0.0	12
	2002	6	60.0	2	20.0	0	0.0	0	0.0	2	20.0	0	0.0	0	0.0	0	0.0	10
	2003	16	64.0	6	24.0	0	0.0	0	0.0	0	0.0	1	4.0	0	0.0	0	0.0	25
	2004	7	87.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8
	2005	7	46.7	0	0.0	0	0.0	0	0.0	2	13.3	0	0.0	0	0.0	0	0.0	15
	2006	5	100.0	0	0.0	0	0.0	0	0.0	1	20.0	0	0.0	0	0.0	0	0.0	5
	All Yrs	73	72.3	20	19.8	0	0.0	2	2.0	8	7.9	1	1.0	2	2.0	3	3.0	101
AI	1995	1	14.3	2	28.6	0	0.0	0	0.0	2	28.6	0	0.0	1	14.3	2	28.6	8
	1996	3	60.0	2	40.0	0	0.0	0	0.0	1	20.0	0	0.0	0	0.0	0	0.0	6
	1997	7	50.0	4	28.6	0	0.0	0	0.0	2	14.3	0	0.0	3	21.4	0	0.0	16
	1998	7	58.3	1	8.3	0	0.0	0	0.0	1	8.3	1	8.3	2	16.7	0	0.0	12
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	15	78.9	0	0.0	0	0.0	0	0.0	2	10.5	1	5.3	0	0.0	1	5.3	19
	2001	6	60.0	3	30.0	0	0.0	0	0.0	1	10.0	0	0.0	0	0.0	0	0.0	10
	2002	5	55.6	2	22.2	0	0.0	0	0.0	2	22.2	0	0.0	0	0.0	0	0.0	9
	2003	6	60.0	1	10.0	0	0.0	0	0.0	3	30.0	0	0.0	0	0.0	0	0.0	10
	2004	3	50.0	3	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6
	2005	4	40.0	4	40.0	0	0.0	0	0.0	2	20.0	0	0.0	0	0.0	0	0.0	10
	2006	1	16.7	4	66.7	0	0.0	0	0.0	1	16.7	0	0.0	0	0.0	0	0.0	6
	All Yrs	58	51.8	26	23.2	0	0.0	0	0.0	17	15.2	2	1.8	0	0.0	3	2.7	112

Note: NA indicates data not available

5.3 Relationship of Buyer and Seller on Permanent Transfers

This section examines the relationship between transferors and transfer recipients in permanent QS transfers. In the tables in this section these categories were designated as “partner,” “family,” “friend,” or “none.” Note that these tables should be read with caution because the actual categories on the NMFS-RAM transfer application form changed over the time period.

⁴¹

Table 5-3a provides a summary of the responses to this question for all QS transfers recorded as transfer, sweep-up, spousal, and court transactions on the NMFS-RAM data base. The data are provided by management area and show the amount of QS involved in transfers based upon the relationship between the buyer and seller.

“None” or “No relationship” was the most likely response in all areas. In all six management areas where permanent QS transfers occurred during the twelve-year period, 50% or more of the QS transferred moved between persons indicating “no relationship.” In twelve of the management areas the twelve-year average was over 60%.

The table should be read cautiously because many respondents did not answer, especially in 1995. What may appear to be a change in the QS transferred in a relationship category may in fact be due to a reduction in missing data in 1996 and 1997.

Table 5-3b provides similar summary data but focuses on the number of transfer transactions rather than on the amount of QS involved in the transactions. The results are similar to those in Table 5-3a. In all areas over 50% of the twelve-year transfers are between parties with “no relation.” In four of the six management areas the percentages for “no relation” are over 60%.

⁴¹The relationship question on the transfer application form changed between 1995 and 1996. In 1995 respondents were given a choice of “No relationship,” “Business Partner,” “Personal Family Member,” and “Other Friend or Relative.” In 1996 “Personal Family Member” became “Family Member,” “Other Friend or Relative” became “Friend,” and an “Other” category was introduced.

Table 5-3a. QS Units Transferred by Area, Year, Relationship of Transfer Parties, 1995-2006

Area	Year	Between Family	Pct Family	Between Friends	Pct Friends	Between Partners	Pct Partners	No Relation	Pct No Relation	Missing Information	Pct Missing	Total Transfers
SE	1995	605,937	10.3	963,507	16.3	439,957	7.5	3,374,699	57.2	513,720	8.7	5,897,820
	1996	500,177	8.6	919,596	15.9	117,489	2.0	3,344,358	57.8	902,777	15.6	5,784,397
	1997	1,077,023	21.1	811,954	15.9	32,792	0.6	2,733,980	53.4	459,564	9.0	5,115,313
	1998	800,884	23.5	140,565	4.1	52,774	1.6	1,508,032	44.3	900,971	26.5	3,403,226
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	568,448	16.1	165,028	4.7	173,560	4.9	2,321,899	65.7	302,540	8.6	3,531,475
	2001	611,778	22.3	0	0.0	0	0.0	2,043,487	74.4	92,008	3.3	2,747,273
	2002	1,627,540	28.7	156,290	2.8	0	0.0	3,813,473	67.3	65,437	1.2	5,662,740
	2003	948,667	19.4	209,575	4.3	0	0.0	3,657,526	74.8	71,542	1.5	4,887,310
	2004	1,680,467	49.2	0	0.0	0	0.0	1,731,735	50.8	0	0.0	3,412,202
	2005	1,274,192	21.0	22,683	0.4	679,411	11.2	3,878,809	64.0	201,169	3.3	6,056,264
	2006	266,338	7.9	772,435	22.8	0	0.0	2,343,864	69.3	0	0.0	3,382,637
	All Yrs	9,961,451	20.0	4,161,633	8.3	1,495,983	3.0	30,751,862	61.7	3,509,728	7.0	49,880,657
WY	1995	277,089	8.5	117,374	3.6	422,457	12.9	1,706,927	52.1	754,623	23.0	3,278,470
	1996	118,345	3.1	188,694	4.9	287,897	7.5	2,671,250	69.4	585,224	15.2	3,851,410
	1997	168,503	4.1	1,062,257	25.6	646,354	15.6	2,259,630	54.5	7,237	0.2	4,143,981
	1998	67,538	3.2	42,115	2.0	0	0.0	1,297,017	61.4	707,045	33.5	2,113,715
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	412,123	14.5	66,032	2.3	0	0.0	2,305,118	81.1	60,613	2.1	2,843,886
	2001	317,801	16.6	276,440	14.5	514,101	26.9	802,690	42.0	0	0.0	1,911,032
	2002	360,895	14.6	74,134	3.0	348,777	14.1	1,686,790	68.3	0	0.0	2,470,596
	2003	317,691	13.3	70,670	3.0	0	0.0	1,961,411	82.0	0	0.0	2,392,614
	2004	259,554	22.9	0	0.0	0	0.0	815,197	71.8	61,053	5.4	1,135,804
	2005	0	0.0	0	0.0	42,842	1.9	2,264,069	98.1	0	0.0	2,306,911
	2006	234,750	22.9	117,528	11.4	0	0.0	674,977	65.7	0	0.0	1,027,255
	All Yrs	2,534,289	9.2	2,015,244	7.3	2,262,428	8.2	18,445,076	67.1	2,175,795	7.9	27,475,674
CG	1995	404,810	5.2	539,372	6.9	656,886	8.4	4,630,004	59.1	1,602,404	20.5	7,833,476
	1996	72,885	0.8	945,557	10.1	307,227	3.3	7,491,549	79.7	584,360	6.2	9,401,578
	1997	1,705,491	15.0	821,250	7.2	327,509	2.9	8,513,185	74.9	4,089	0.0	11,371,524
	1998	361,778	7.8	350,653	7.6	246,465	5.3	2,128,509	46.0	1,535,726	33.2	4,623,131
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	570,058	6.7	567,471	6.7	976,564	11.5	5,937,057	69.6	474,040	5.6	8,525,190
	2001	497,418	6.3	302,445	3.8	833,703	10.6	6,217,977	79.0	15,324	0.2	7,866,867
	2002	830,554	14.0	50,579	0.9	68,365	1.2	4,894,511	82.5	86,431	1.5	5,930,440
	2003	1,667,486	21.3	70,796	0.9	0	0.0	6,039,314	77.1	58,618	0.7	7,836,214
	2004	545,119	14.5	10,452	0.3	0	0.0	3,045,741	81.2	151,193	4.0	3,752,505
	2005	204,677	5.3	129,100	3.3	0	0.0	3,414,403	87.6	147,592	3.8	3,895,772
	2006	1,078,003	19.4	10,452	0.2	0	0.0	4,365,390	78.7	92,134	1.7	5,545,979
	All Yrs	7,938,279	10.4	3,798,127	5.0	3,416,719	4.5	56,677,640	74.0	4,751,911	6.2	76,582,676

Table 5-3a continued. QS Units Transferred by Area, Year, Relationship of Transfer Parties, 1995-2006

Area	Year	Between Family	Pct Family	Between Friends	Pct Friends	Between Partners	Pct Partners	No Relation	Pct No Relation	Missing Information	Pct Missing	Total Transfers
WG	1995	254	0.0	9,591	0.5	225,546	11.8	1,082,155	56.7	590,953	31.0	1,908,499
	1996	36,754	1.1	23,925	0.7	0	0.0	3,063,981	87.7	368,889	10.6	3,493,549
	1997	223,871	8.8	140,894	5.6	292,936	11.5	1,879,344	74.1	0	0.0	2,537,045
	1998	83,194	4.1	36,019	1.8	0	0.0	1,562,908	76.4	364,617	17.8	2,046,738
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	248,246	11.2	10,340	0.5	0	0.0	1,894,400	85.2	71,430	3.2	2,224,416
	2001	427,931	7.4	365,478	6.3	583,439	10.1	4,415,581	76.2	0	0.0	5,792,429
	2002	106,142	4.4	790,956	32.7	0	0.0	1,518,260	62.9	69	0.0	2,415,427
	2003	208,365	7.7	0	2.5	0	0.0	2,495,887	92.3	0	0.0	2,704,252
	2004	475,709	15.9	66,965	2.2	0	0.0	2,445,689	81.8	0	0.0	2,988,363
	2005	71,430	2.1	0	0.0	0	0.0	3,256,852	96.1	60,613	1.8	3,388,895
	2006	252,802	9.8	0	0.0	44,232	1.7	2,272,992	88.4	0	0.0	2,570,026
All Yrs	2,134,698	6.7	1,444,168	4.5	1,146,153	3.6	25,888,049	80.7	1,456,571	4.5	32,069,639	
BS	1995	26,852	2.7	40,011	4.0	0	0.0	441,277	44.0	495,387	49.4	1,003,527
	1996	0	0.0	0	0.0	0	0.0	1,521,914	99.7	4,829	0.3	1,526,743
	1997	0	0.0	373,158	29.5	278,181	22.0	615,655	48.6	0	0.0	1,266,994
	1998	59,800	2.5	270,210	11.5	0	0.0	1,814,490	77.3	202,547	8.6	2,347,047
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	29,379	1.3	40,011	1.8	0	0.0	1,984,939	90.8	132,845	6.1	2,187,174
	2001	229,841	9.4	331,941	13.6	14,555	0.6	1,870,411	76.4	0	0.0	2,446,748
	2002	46,306	1.9	391,397	16.3	0	0.0	1,747,105	72.8	215,748	9.0	2,400,556
	2003	1,427	0.0	0	0.0	1,075,480	20.3	4,219,535	79.7	0	0.0	5,296,442
	2004	0	0.0	0	0.0	845,995	47.9	918,589	52.1	0	0.0	1,764,584
	2005	0	0.0	0	0.0	0	0.0	1,580,750	100.0	0	0.0	1,580,750
	2006	289,294	23.2	410,991	32.9	0	0.0	548,445	43.9	0	0.0	1,248,730
All Yrs	682,899	3.0	1,857,719	8.1	2,214,211	9.6	17,263,110	74.8	1,051,356	4.6	23,069,295	
AI	1995	9,394	0.4	68,492	3.2	0	0.0	1,560,483	72.8	505,255	23.6	2,143,624
	1996	0	0.0	0	0.0	437,367	21.2	1,617,768	78.4	7,575	0.4	2,062,710
	1997	31,322	0.6	108,048	2.2	2,927	0.1	4,774,879	97.1	0	0.0	4,917,176
	1998	180,463	7.1	541,117	21.4	0	0.0	1,291,711	51.1	513,484	20.3	2,526,775
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	87,757	5.0	997,392	57.1	165,000	9.4	621,722	35.6	331,821	19.0	1,747,417
	2001	0	0.0	863,759	41.1	0	0.0	2,103,015	100.0	0	0.0	2,103,015
	2002	2,425,732	61.3	598,360	15.1	0	0.0	532,317	13.5	0	0.0	3,955,441
	2003	93,294	1.9	0	0.0	0	0.0	3,931,453	80.4	0	0.0	4,888,506
	2004	155,748	7.9	0	0.0	0	0.0	1,220,717	61.8	0	0.0	1,974,825
	2005	119,314	2.0	0	0.0	0	0.0	5,983,317	98.0	0	0.0	6,102,631
	2006	240,326	6.7	1,728,859	48.1	0	0.0	1,626,491	45.2	0	0.0	3,595,676
All Yrs	3,343,350	9.3	4,906,027	13.6	605,294	1.7	25,263,873	70.1	1,358,135	3.8	36,017,796	

Table 5-3b continued. Number of QS Transferred by Area, Year, Relationship of Transfer Parties, 1995-2006

Area	Year	Between Family	Pct Family	Between Friends	Pct Friends	Between Partners	Pct Partners	No Relation	Pct No Relation	Missing Information	Pct Missing	Total Transfers
SE	1995	18	12.0	28	18.7	4	2.7	92	61.3	8	5.3	150
	1996	12	8.6	28	20.0	3	2.1	86	61.4	11	7.9	140
	1997	14	9.9	30	21.3	5	3.5	87	61.7	5	3.5	141
	1998	9	15.0	7	11.7	2	3.3	37	61.7	5	8.3	60
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	10	15.9	5	7.9	0	0.0	45	71.4	3	4.8	63
	2001	5	10.4	0	0.0	1	2.1	40	83.3	2	4.2	48
	2002	12	20.3	4	6.8	0	0.0	42	71.2	1	1.7	59
	2003	15	18.1	5	6.0	0	0.0	62	74.7	1	1.2	83
	2004	13	26.5	0	0.0	0	0.0	36	73.5	0	0.0	49
	2005	14	19.2	1	1.4	0	0.0	57	78.1	1	1.4	73
	2006	7	13.0	5	9.3	0	0.0	42	77.8	0	0.0	54
	All Yrs	129	14.0	113	12.3	15	1.6	626	68.0	37	4.0	920
WY	1995	11	15.5	9	12.7	1	1.4	39	54.9	11	15.5	71
	1996	9	10.5	10	11.6	3	3.5	57	66.3	7	8.1	86
	1997	15	14.6	22	21.4	6	5.8	59	57.3	1	1.0	103
	1998	6	14.3	9	21.4	0	0.0	23	54.8	4	9.5	42
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	6	11.3	5	9.4	0	0.0	41	77.4	1	1.9	53
	2001	6	23.1	4	15.4	3	11.5	13	50.0	0	0.0	26
	2002	5	17.2	2	6.9	5	17.2	17	58.6	0	0.0	29
	2003	6	16.7	2	5.6	0	0.0	28	77.8	0	0.0	36
	2004	5	23.8	0	0.0	0	0.0	15	71.4	1	4.8	21
	2005	0	0.0	0	0.0	1	2.8	35	97.2	0	0.0	36
	2006	3	13.0	4	17.4	0	0.0	16	69.6	0	0.0	23
	All Yrs	72	13.7	67	12.7	19	3.6	343	65.2	25	4.8	526
CG	1995	13	12.4	13	12.4	3	2.9	56	53.3	20	19.0	105
	1996	9	7.9	14	12.3	3	2.6	82	71.9	6	5.3	114
	1997	13	8.9	22	15.1	5	3.4	104	71.2	2	1.4	146
	1998	10	16.4	6	9.8	1	1.6	40	65.6	4	6.6	61
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	6	7.9	9	11.8	5	6.6	51	67.1	5	6.6	76
	2001	8	15.7	6	11.8	6	11.8	30	58.8	1	2.0	51
	2002	7	14.0	2	4.0	1	2.0	38	76.0	2	4.0	50
	2003	15	16.7	2	2.2	0	0.0	72	80.0	1	1.1	90
	2004	10	25.0	1	2.5	0	0.0	27	67.5	2	5.0	40
	2005	6	10.7	4	7.1	0	0.0	45	80.4	1	1.8	56
	2006	5	12.2	1	2.4	0	0.0	34	82.9	1	2.4	41
	All Yrs	102	12.3	80	9.6	24	2.9	579	69.8	45	5.4	830

Table 5-3b. Number of QS Transferred by Area, Year, Relationship of Transfer Parties, 1995-2006

Area	Year	Between Family	Pct Family	Between Friends	Pct Friends	Between Partners	Pct Partners	No Relation	Pct No Relation	Missing Information	Pct Missing	Total Transfers
WG Cont.	1995	1	3.7	1	3.7	2	7.4	15	55.6	8	29.6	27
	1996	3	13.0	1	4.3	0	0.0	17	73.9	2	8.7	23
	1997	6	12.2	6	12.2	6	12.2	31	63.3	0	0.0	49
	1998	1	3.2	1	3.2	0	0.0	24	77.4	5	16.1	31
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	4	12.9	1	3.2	0	0.0	25	80.6	1	3.2	31
	2001	8	17.0	7	14.9	2	4.3	30	63.8	0	0.0	47
	2002	2	10.0	6	30.0	0	0.0	11	55.0	1	5.0	20
	2003	5	23.8	0	0.0	0	0.0	16	76.2	0	0.0	21
	2004	4	12.5	1	3.1	0	0.0	26	81.3	1	3.1	32
	2005	1	5.0	0	0.0	0	0.0	19	95.0	0	0.0	20
	2006	6	25.0	0	0.0	1	4.2	17	70.8	0	0.0	24
	All Yrs	41	12.6	24	7.4	11	3.4	231	71.1	18	5.5	325
BS	1995	1	7.7	1	7.7	0	0.0	7	53.8	4	30.8	13
	1996	0	0.0	0	0.0	0	0.0	7	87.5	1	12.5	8
	1997	0	0.0	3	30.0	2	20.0	5	50.0	0	0.0	10
	1998	1	12.5	1	12.5	0	0.0	5	62.5	1	12.5	8
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	1	5.6	1	5.6	0	0.0	15	83.3	1	5.6	18
	2001	1	5.6	4	22.2	0	0.0	11	61.1	2	11.1	18
	2002	1	7.7	2	15.4	0	0.0	10	76.9	0	0.0	13
	2003	0	0.0	0	0.0	1	4.3	22	95.7	0	0.0	23
	2004	0	0.0	0	0.0	1	12.5	7	87.5	0	0.0	8
	2005	2	11.1	2	11.1	0	0.0	14	77.8	0	0.0	18
	2006	0	0.0	0	0.0	0	0.0	8	100.0	0	0.0	8
	All Yrs	7	4.8	14	9.7	4	2.8	111	76.6	9	6.2	145
AI	1995	1	6.7	2	13.3	0	0.0	7	46.7	5	33.3	15
	1996	0	0.0	0	0.0	2	20.0	6	60.0	2	20.0	10
	1997	1	5.6	4	22.2	3	16.7	10	55.6	0	0.0	18
	1998	1	5.6	5	27.8	0	0.0	11	61.1	1	5.6	18
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	2	10.5	3	15.8	1	5.3	12	63.2	1	5.3	19
	2001	0	0.0	6	37.5	0	0.0	10	62.5	0	0.0	16
	2002	4	33.3	4	33.3	0	0.0	4	33.3	0	0.0	12
	2003	1	9.1	0	0.0	0	0.0	10	90.9	0	0.0	11
	2004	1	12.5	0	0.0	0	0.0	7	87.5	0	0.0	8
	2005	1	7.1	0	0.0	0	0.0	13	92.9	0	0.0	14
	2006	1	11.1	3	33.3	0	0.0	5	55.6	0	0.0	9
	All Yrs	13	8.7	27	18.0	6	4.0	95	63.3	9	6.0	150

5.4 Use of Broker Services in Permanent QS Transfers

The transfer forms asked whether or not a broker was involved in the transfer. The tables in this section look at broker involvement in permanent transfers of QS. The next section looks at broker involvement in leases. These sections report the proportions of transfers and leases being facilitated by a broker.

Table 5-4a provides information on the use of brokers by year. The table provides data on the amount of QS transferred with the help of brokers in each year, and the percentage that amount represents of all of the QS transferred. The table also has data on the number of QS transfers involving a broker and the percentage those transfers represent of all QS transfers.

Brokers were involved in a large proportion of the permanent transfers each year. Table 5-4a shows that annual broker involvement ranged from 38.8% of the transactions in 1995 to 66.3% in 2000. The amount of QS transferred with the help of a broker ranged from 44.4% in 2002 to 72.3% in 1997.⁴²

Table 5-4b is similar to Table 5-4a, except that it provides information on the use of brokers by management area as well as by year. The table provides data on the amount and percentage of QS transferred with the help of brokers. The table also provides data on the number of QS transfers involving a broker and the percentage those transfers represent of all QS transfers.

As can be seen, brokers were involved in a large proportion of the transactions in all areas and years. The lowest percentage of transactions conducted with the help of brokers was in the Aleutians area in 1995, when only 20% of the transactions involved brokers. The highest level of broker involvement came in the Bering Sea area in 1997 when 70% of the transactions involved brokers.

Table 5-4c provides similar information on the use of brokers over all areas by vessel category and year.⁴³ Brokers were involved in large proportions of transactions in all vessel classes and years. The lowest percentage of transactions conducted with the help of brokers was for catcher vessels greater than 60 feet in 1995 (28%) while the highest level of broker involvement was for freezer vessels in 1996 (88.2%).

⁴²These figures are based on summing QS amounts and QS transfers across areas. Recall that QS units are not comparable across areas.

⁴³The comment in the previous footnote applies to this table as well. These figures are based on a summation of QS amounts and QS transfers across areas. QS are not comparable across areas.

Table 5-4a. Use of Brokers in Sablefish QS Permanent Transfers, By Year

Year	Was a Broker Used?	QS Transferred With Broker	Total Annual QS Transferred	Percent of annual QS transferred	Number of Transactions	Total Annual Transactions Per year	Percent of Annual Transactions
1995	No	12,168,638	22,065,416	55.1	233	381	61.2
	Yes	9,896,778		44.9			
1996	No	7,479,488	26,120,387	28.6	178	381	46.7
	Yes	18,640,899		71.4			
1997	No	8,139,802	29,352,033	27.7	186	467	39.8
	Yes	21,212,231		72.3			
1998	No	8,844,525	17,060,632	51.8	96	220	43.6
	Yes	8,216,107		48.2			
1999	No	NA	NA	NA	NA	NA	NA
	Yes						
2000	No	7,296,023	21,515,808	33.9	89	264	33.7
	Yes	14,219,785		66.1			
2001	No	14,436,529	26,117,427	55.3	94	208	45.2
	Yes	11,680,898		44.7			
2002	No	14,196,553	25,553,686	55.6	95	196	48.5
	Yes	11,357,133		44.4			
2003	No	10,727,300	28,495,781	37.6	106	283	37.5
	Yes	17,768,481		62.4			
2004	No	4,597,852	14,461,708	31.8	57	157	36.3
	Yes	9,863,856		68.2			
2005	No	7,280,744	23,511,957	31.0	84	222	37.8
	Yes	16,231,213		69.0			
2006	No	10,492,953	20,434,754	51.3	91	169	53.8
	Yes	9,941,801		48.7			

Broker usage rates are calculated over all sablefish areas. However, the QS for different areas are not equivalent with respect to current year IFQ associated with the QS. Therefore, rates calculated across areas in current-year equivalents would be different than the rates shown here.

Table 5-4b. Use of Brokers in Sablefish QS Permanent Transfers, By Area and Year

Area	Year	Was a Broker Used?	QS Transferred	Total Annual QS Transferred	Percent of Annual QS Transferred	Number of Transactions	Total Annual Transactions	Percent of Annual Transactions
Southeast	1995	No	3,408,792	5,897,820	57.8	88	150	58.7
		Yes	2,489,028	5,897,820	42.2	62	150	41.3
	1996	No	2,709,528	5,784,397	46.8	72	140	51.4
		Yes	3,074,869	5,784,397	53.2	68	140	48.6
	1997	No	2,609,349	5,115,313	51.0	63	141	44.7
		Yes	2,505,964	5,115,313	49.0	78	141	55.3
	1998	No	1,905,506	3,403,226	56.0	28	60	46.7
		Yes	1,497,720	3,403,226	44.0	32	60	53.3
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	1,464,540	3,357,915	43.6	22	63	34.9
		Yes	1,893,375	3,357,915	56.4	41	63	65.1
	2001	No	872,269	2,769,929	31.5	13	48	27.1
		Yes	1,897,660	2,769,929	68.5	35	48	72.9
	2002	No	2,821,261	5,910,683	47.7	25	64	39.1
		Yes	3,089,422	5,910,683	52.3	39	64	60.9
	2003	No	2,861,413	5,665,033	50.5	40	90	44.4
		Yes	2,803,620	5,665,033	49.5	50	90	55.6
	2004	No	1,931,856	3,412,202	56.6	22	49	44.9
		Yes	1,480,346	3,412,202	43.4	27	49	55.1
2005	No	3,805,071	5,736,927	66.3	32	80	40.0	
	Yes	1,931,856	5,736,927	33.7	48	80	60.0	
2006	No	2,083,612	4,477,062	46.5	21	54	38.9	
	Yes	2,393,450	4,477,062	53.5	33	54	61.1	
W. Yakutat	1995	No	2,042,961	3,278,470	62.3	46	71	64.8
		Yes	1,235,509	3,278,470	37.7	25	71	35.2
	1996	No	1,204,091	3,851,410	31.3	40	86	46.5
		Yes	2,647,319	3,851,410	68.7	46	86	53.5
	1997	No	714,761	4,143,981	17.2	43	103	41.7
		Yes	3,429,220	4,143,981	82.8	60	103	58.3
	1998	No	819,217	2,113,715	38.8	21	42	50.0
		Yes	1,294,498	2,113,715	61.2	21	42	50.0
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	2,292,700	2,998,808	76.5	19	53	35.8
		Yes	706,108	2,998,808	23.5	34	53	64.2
	2001	No	698,812	1,250,438	55.9	13	26	50.0
		Yes	551,626	1,250,438	44.1	13	26	50.0
	2002	No	1,502,070	2,714,290	55.3	13	29	44.8
		Yes	1,212,220	2,714,290	44.7	16	29	55.2
	2003	No	1,827,869	2,796,395	65.4	13	39	33.3
		Yes	968,526	2,796,395	34.6	26	39	66.7
	2004	No	402,039	952,728	42.2	10	21	47.6
		Yes	550,689	952,728	57.8	11	21	52.4
2005	No	1,522,704	2,288,254	66.5	12	36	33.3	
	Yes	765,550	2,288,254	33.5	24	36	66.7	
2006	No	534,710	1,318,917	40.5	14	24	58.3	
	Yes	784,207	1,318,917	59.5	10	24	41.7	
Central Gulf	1995	No	3,870,378	7,833,476	49.4	60	105	57.1
		Yes	3,963,098	7,833,476	50.6	45	105	42.9
	1996	No	2,338,777	9,401,578	24.9	48	114	42.1
		Yes	7,062,801	9,401,578	75.1	66	114	57.9
	1997	No	3,074,572	11,371,524	27.0	49	146	33.6
		Yes	8,296,952	11,371,524	73.0	97	146	66.4
	1998	No	2,334,392	4,623,131	50.5	26	61	42.6
		Yes	2,288,739	4,623,131	49.5	35	61	57.4
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						

Table 5-4b continued. Use of Brokers in Sablefish QS Permanent Transfers, By Area and Year

Area	Year	Was a Broker Used?	QS Transferred	Total Annual QS Transferred	Percent of Annual QS Transferred	Number of Transactions	Total Annual Transactions	Percent of Annual Transactions
Central Gulf	2000	No	2,364,070	8,526,477	27.7	29	77	37.7
		Yes	6,162,407	8,526,477	72.3	48	77	62.3
	2001	No	6,927,799	9,709,804	71.3	25	53	47.2
		Yes	2,782,005	9,709,804	28.7	28	53	52.8
	2002	No	3,927,735	7,673,777	51.2	22	51	43.1
		Yes	3,746,042	7,673,777	48.8	29	51	56.9
	2003	No	2,974,098	7,987,054	37.2	36	92	39.1
		Yes	5,012,956	7,987,054	62.8	56	92	60.9
	2004	No	1,391,930	3,752,505	37.1	18	40	45.0
		Yes	2,360,575	3,752,505	62.9	22	40	55.0
	2005	No	1,098,483	3,934,249	27.9	24	57	42.1
		Yes	2,835,766	3,934,249	72.1	33	57	57.9
2006	No	4,004,335	7,289,316	54.9	15	42	35.7	
	Yes	3,284,981	7,289,316	45.1	27	42	64.3	
W. Gulf	1995	No	1,069,258	1,908,499	56.0	18	27	66.7
		Yes	839,241	1,908,499	44.0	9	27	33.3
	1996	No	507,022	3,493,549	14.5	10	23	43.5
		Yes	2,986,527	3,493,549	85.5	13	23	56.5
	1997	No	599,021	2,537,045	23.6	17	49	34.7
		Yes	1,938,024	2,537,045	76.4	32	49	65.3
	1998	No	656,771	2,046,738	32.1	10	31	32.3
		Yes	1,389,967	2,046,738	67.9	21	31	67.7
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	2,044,643	3,298,808	62.0	3	31	9.7
		Yes	1,254,165	3,298,808	38.0	28	31	90.3
	2001	No	2,849,355	3,029,128	94.1	25	47	53.2
		Yes	179,773	3,029,128	5.9	22	47	46.8
	2002	No	1,165,009	4,108,083	28.4	16	23	69.6
		Yes	2,943,074	4,108,083	71.6	7	23	30.4
	2003	No	2,030,476	3,871,866	52.4	11	25	44.0
		Yes	1,841,390	3,871,866	47.6	14	25	56.0
	2004	No	2,681,363	3,673,672	73.0	5	31	16.1
		Yes	992,309	3,673,672	27.0	26	31	83.9
2005	No	3,178,273	3,485,273	91.2	4	21	19.0	
	Yes	307,000	3,485,273	8.8	17	21	81.0	
2006	No	2,085,912	2,296,534	90.8	13	26	50.0	
	Yes	210,622	2,296,534	9.2	13	26	50.0	
Bering Sea	1995	No	798,155	1,003,527	79.5	9	13	69.2
		Yes	205,372	1,003,527	20.5	4	13	30.8
	1996	No	267,685	1,526,743	17.5	3	8	37.5
		Yes	1,259,058	1,526,743	82.5	5	8	62.5
	1997	No	292,621	1,266,994	23.1	3	10	30.0
		Yes	974,373	1,266,994	76.9	7	10	70.0
	1998	No	2,234,875	2,347,047	95.2	5	8	62.5
		Yes	112,172	2,347,047	4.8	3	8	37.5
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	793,956	2,187,174	36.3	4	19	21.1
		Yes	1,393,218	2,187,174	63.7	15	19	78.9
	2001	No	662,079	2,446,748	27.1	8	17	47.1
		Yes	1,784,669	2,446,748	72.9	9	17	52.9
	2002	No	1,003,457	2,415,111	41.5	8	15	53.3
		Yes	1,411,654	2,415,111	58.5	7	15	46.7
	2003	No	1,198,069	5,417,604	22.1	4	26	15.4
		Yes	4,219,535	5,417,604	77.9	22	26	84.6
	2004	No	0	1,764,584		0	8	0.0
		Yes	1,764,584	1,764,584	100.0	8	8	100.0
2005	No	300,514	1,580,750	19.0	5	14	35.7	
	Yes	1,280,236	1,580,750	81.0	9	14	64.3	

Table 5-4b continued. Use of Brokers in Sablefish QS Permanent Transfers, By Area and Year

Area	Year	Was a Broker Used?	QS Transferred	Total Annual QS Transferred	Percent of Annual QS Transferred	Number of Transactions	Total Annual Transactions	Percent of Annual Transactions
Bering Sea Cont.	2006	No	843,372	1,263,285	66.8	8	13	61.5
		Yes	419,913	1,263,285	33.2	5	13	38.5
Aleutians	1995	No	979,094	2,143,624	45.7	12	15	80.0
		Yes	1,164,530	2,143,624	54.3	3	15	20.0
	1996	No	452,385	2,062,710	21.9	5	10	50.0
		Yes	1,610,325	2,062,710	78.1	5	10	50.0
	1997	No	849,478	4,917,176	17.3	11	18	61.1
		Yes	4,067,698	4,917,176	82.7	7	18	38.9
	1998	No	893,764	2,526,775	35.4	6	18	33.3
		Yes	1,633,011	2,526,775	64.6	12	18	66.7
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	1,942,058	2,375,500	81.8	12	21	57.1
		Yes	433,442	2,375,500	18.2	9	21	42.9
	2001	No	1,819,088	3,487,485	52.2	10	17	58.8
		Yes	1,668,397	3,487,485	47.8	7	17	41.2
	2002	No	3,634,184	4,077,120	89.1	11	14	78.6
		Yes	442,936	4,077,120	10.9	3	14	21.4
	2003	No	2,150,722	4,024,747	53.4	2	11	18.2
		Yes	1,874,025	4,024,747	46.6	9	11	81.8
	2004	No	201,516	1,376,465	14.6	2	8	25.0
		Yes	1,174,949	1,376,465	85.4	6	8	75.0
2005	No	2,493,468	6,102,631	40.9	7	14	50.0	
	Yes	3,609,163	6,102,631	59.1	7	14	50.0	
2006	No	2,583,714	4,116,387	62.8	7	10	70.0	
	Yes	1,532,673	4,116,387	37.2	3	10	30.0	

Table 5-4c. Use of Brokers in Sablefish QS Permanent Transfers, By Vessel Category and Year

Vessel Category	Year	Was a Broker Used?	QS Transferred With Broker	Total Annual QS Transferred	Percent of Annual QS Transferred	Number of Transactions With Broker	Total Annual Transactions	Percent of Annual Transactions	
Freezer	1995	No	781,559	2,010,732	38.9	17	29	58.6	
		Yes	1,229,173	2,010,732	61.1	12	29	41.4	
	1996	No	357,564	6,354,409	5.6	4	34	11.8	
		Yes	5,996,845	6,354,409	94.4	30	34	88.2	
	1997	No	769,428	6,419,619	12.0	15	47	31.9	
		Yes	5,650,191	6,419,619	88.0	32	47	68.1	
	1998	No	3,165,260	3,596,744	88.0	11	23	47.8	
		Yes	431,484	3,596,744	12.0	12	23	52.2	
	1999	No	NA	NA	NA	NA	NA	NA	NA
		Yes							
	2000	No	1,477,912	2,055,499	71.9	7	14	50.0	
		Yes	577,587	2,055,499	28.1	7	14	50.0	
	2001	No	8,982,714	10,174,593	88.3	19	27	70.4	
		Yes	1,191,879	10,174,593	11.7	8	27	29.6	
	2002	No	6,080,369	6,552,654	92.8	14	19	73.7	
		Yes	472,285	6,552,654	7.2	5	19	26.3	
	2003	No	2,865,299	5,030,768	57.0	7	16	43.8	
		Yes	2,165,469	5,030,768	43.0	9	16	56.3	
	2004	No	735,968	996,833	73.8	4	8	50.0	
		Yes	260,865	996,833	26.2	4	8	50.0	
2005	No	992,235	2,977,680	33.3	4	8	50.0		
	Yes	1,985,445	2,977,680	66.7	4	8	50.0		
2006	No	4,022,858	7,285,413	55.2	19	30	63.3		
	Yes	3,262,555	7,285,413	44.8	11	30	36.7		
GT 60 ft.	1995	No	4,186,216	6,535,793	64.1	59	82	72.0	
		Yes	2,349,577	6,535,793	35.9	23	82	28.0	
	1996	No	2,583,771	8,305,864	31.1	42	101	41.6	
		Yes	5,722,093	8,305,864	68.9	59	101	58.4	
	1997	No	3,160,301	10,224,573	30.9	47	123	38.2	
		Yes	7,064,272	10,224,573	69.1	76	123	61.8	
	1998	No	2,572,241	5,917,222	43.5	28	67	41.8	
		Yes	3,344,981	5,917,222	56.5	39	67	58.2	
	1999	No	NA	NA	NA	NA	NA	NA	NA
		Yes							
	2000	No	3,172,582	9,453,596	33.6	30	92	32.6	
		Yes	6,281,014	9,453,596	66.4	62	92	67.4	
	2001	No	3,010,593	10,377,810	29.0	32	73	43.8	
		Yes	7,367,217	10,377,810	71.0	41	73	56.2	
	2002	No	3,741,284	10,509,650	35.6	36	76	47.4	
		Yes	6,768,366	10,509,650	64.4	40	76	52.6	
	2003	No	5,200,921	14,567,605	35.7	31	110	28.2	
		Yes	9,366,684	14,567,605	64.3	79	110	71.8	
	2004	No	665,852	4,961,980	13.4	14	47	29.8	
		Yes	4,296,128	4,961,980	86.6	33	47	70.2	
2005	No	3,133,487	6,451,189	48.6	50	113	44.2		
	Yes	3,317,702	6,451,189	51.4	63	113	55.8		
2006	No	3,262,055	6,106,909	53.4	40	80	50.0		
	Yes	2,844,854	6,106,909	46.6	40	80	50.0		
LE 60 ft.	1995	No	7,200,863	13,518,891	53.3	157	270	58.1	
		Yes	6,318,028	13,518,891	46.7	113	270	41.9	
	1996	No	4,538,153	11,460,114	39.6	132	246	53.7	
		Yes	6,921,961	11,460,114	60.4	114	246	46.3	
	1997	No	4,210,073	12,707,841	33.1	124	297	41.8	
		Yes	8,497,768	12,707,841	66.9	173	297	58.2	
	1998	No	3,107,024	7,546,666	41.2	57	130	43.8	
		Yes	4,439,642	7,546,666	58.8	73	130	56.2	
	1999	No	NA	NA	NA	NA	NA	NA	NA
		Yes							
	2000	No	2,645,529	10,006,713	26.4	52	158	32.9	
		Yes	7,361,184	10,006,713	73.6	106	158	67.1	

Table 5-4c. Use of Brokers in Sablefish QS Permanent Transfers, By Vessel Category and Year

Vessel Category	Year	Was a Broker Used?	QS Transferred With Broker?	Total Annual QS Transferred	Percent of Annual QS Transferred	Number of Transactions With Broker?	Total Annual Transactions	Percent of Annual Transactions
LE 60 ft.	2001	No	2,443,222	5,565,024	43.9	43	108	39.8
		Yes	3,121,802	5,565,024	56.1	65	108	60.2
	2002	No	4,374,900	8,491,382	51.5	45	101	44.6
		Yes	4,116,482	8,491,382	48.5	56	101	55.4
	2003	No	3,648,730	9,885,058	36.9	68	157	43.3
		Yes	6,236,328	9,885,058	63.1	89	157	56.7
	2004	No	2,781,057	6,662,140	41.7	40	100	40.0
		Yes	3,881,083	6,662,140	58.3	60	100	60.0
	2005	No	6,394,026	11,763,975	54.4	145	278	52.2
		Yes	5,369,949	11,763,975	45.6	133	278	47.8
	2006	No	5,125,390	11,681,262	43.9	134	308	43.5
		Yes	6,555,872	11,681,262	56.1	174	308	56.5

5.5 Use of Broker Services in Lease Transfers

Table 5-5a shows the extent to which brokers helped arrange leases of QS by year. In this table QS and transfers are summed across all management areas.⁴⁴ Data are provided on the amount of QS leased with broker help in each year, the percent of all QS leased that was leased with broker assistance, the number of leases in which brokers helped, and the percent of all leases assisted by brokers.⁴⁵

Brokers helped arrange large proportions of the leases in each year. They were involved with a low of 35.1% of the leases in 1995 and a high of 56.0% in 1997. Leases arranged by brokers accounted for a low of 34.4% of the total QS leased in 1998 and a high of 74.6% of the QS leased in 1997.

Table 5-5b shows the extent to which brokers helped arrange the leases of QS by management area and year. The data in this table is similar to that provided in Table 5-5a. The table provides data on the amount and percentage of QS leased with the help of brokers. The table also provides data on the number of QS lease transactions involving a broker.

As can be seen, brokers were involved in a large proportion of the lease transactions in most areas and years. The lowest percentage of leases conducted with the help of brokers was in the Central Gulf in 1996, when only 15.4% of the lease transactions involved brokers. The highest level of broker involvement came in the Western Gulf in 1996 when 100% of the leases involved brokers.

⁴⁴These figures are based on summing QS amounts and QS transfers across areas. Recall that QS units are not comparable across areas.

⁴⁵This report uses the QS amounts shown in lease transactions on NMFS-RAM computerized files. In a few cases, these transactions appear to be in error with respect to the actual amount of QS leased relative to the IFQ involved. For that reason, the QS lease rates shown herein may be slight overestimates.

Table 5-5a. Use of Brokers in Sablefish QS Leases, By Year

Year	Was Lease Brokered ?	QS Leased	Total Annual QS Leased	Percent of Annual QS Leased	Number of Leases	Total Annual Leases	Percent of Annual Leases
1995	No	8,753,538	17,221,961	50.8	50	77	64.9
	Yes	8,468,423	17,221,961	49.2	27	77	35.1
1996	No	3,083,823	11,299,983	27.3	33	51	64.7
	Yes	8,216,160	11,299,983	72.7	18	51	35.3
1997	No	3,307,521	13,011,461	25.4	22	50	44.0
	Yes	9,703,940	13,011,461	74.6	28	50	56.0
1998	No	8,504,242	12,973,226	65.6	29	57	50.9
	Yes	4,468,984	12,973,226	34.4	28	57	49.1
1999	No	NA	NA	NA	NA	NA	NA
	Yes						
2000	No	12,551,388	14,689,409	85.4	59	79	74.7
	Yes	2,138,021	14,689,409	14.6	20	79	25.3
2001	No	11,886,689	12,939,294	91.9	59	67	88.1
	Yes	1,052,605	12,939,294	8.1	8	67	11.9
2002	No	11,001,336	11,391,036	96.6	52	60	86.7
	Yes	389,700	11,391,036	3.4	8	60	13.3
2003	No	15,531,930	15,822,110	98.2	52	56	92.9
	Yes	290,180	15,822,110	1.8	4	56	7.1
2004	No	9,533,997	9,832,648	97.0	41	47	87.2
	Yes	298,651	9,832,648	3.0	6	47	12.8
2005	No	7,694,785	7,922,408	97.1	33	35	94.3
	Yes	227,623	7,922,408	2.9	2	35	5.7
2006	No	5,223,383	5,554,381	94.0	32	35	91.4
	Yes	330,998	5,554,381	6.0	3	35	8.6

QS were added across management areas to prepare this table. Since the pounds of IFQ per QS unit can vary across management areas and between years, the QS percentages reported in this table may be different from the IFQ equivalent percentages.

Table 5-5b. Use of Brokers in Sablefish QS Leases, by Area and Year

Area	Year	Was Lease Brokered?	QS Leased	Total Annual QS Leased	Percent of Annual QS Leased	Number of Leases	Total Annual Leases	Percent of Annual Leases
SE	1995	No	1,049,482	1,259,409	83.3	13	16	81.3
		Yes	209,927	1,259,409	16.7	3	16	18.8
	1996	No	1,153,678	1,231,178	93.7	10	13	76.9
		Yes	77,500	1,231,178	6.3	3	13	23.1
	1997	No	1,165,608	1,585,938	73.5	10	14	71.4
		Yes	420,330	1,585,938	26.5	4	14	28.6
	1998	No	1,603,968	1,976,867	81.1	11	14	78.6
		Yes	372,899	1,976,867	18.9	3	14	21.4
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	1,611,746	2,210,437	72.9	14	20	70.0
		Yes	598,691	2,210,437	27.1	6	20	30.0
	2001	No	1,990,937	2,311,764	86.1	16	17	94.1
		Yes	320,827	2,311,764	13.9	1	17	5.9
	2002	No	2,073,076	2,167,316	95.7	16	17	94.1
		Yes	94,240	2,167,316	4.3	1	17	5.9
	2003	No	3,362,536	3,362,536	100.0	16	16	100.0
		Yes	0	3,362,536	0.0	0	16	0.0
	2004	No	1,905,096	1,912,574	99.6	13	14	92.9
		Yes	7,478	1,912,574	0.4	1	14	7.1
	2005	No	1,712,853	1,756,892	97.5	10	11	90.9
		Yes	44,039	1,756,892	2.5	1	11	9.1
	2006	No	1,609,940	1,826,080	88.2	9	11	81.8
		Yes	216,140	1,826,080	11.8	2	11	18.2
WY	1995	No	681,598	887,103	76.8	10	14	71.4
		Yes	205,505	887,103	23.2	4	14	28.6
	1996	No	88,641	605,902	14.6	6	8	75.0
		Yes	517,261	605,902	85.4	2	8	25.0
	1997	No	48,770	244,956	19.9	2	6	33.3
		Yes	196,186	244,956	80.1	4	6	66.7
	1998	No	72,611	266,838	27.2	3	8	37.5
		Yes	194,227	266,838	72.8	5	8	62.5
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	328,222	424,992	77.2	8	10	80.0
		Yes	96,770	424,992	22.8	2	10	20.0
	2001	No	586,711	592,258	99.1	9	10	90.0
		Yes	5,547	592,258	0.9	1	10	10.0
	2002	No	707,352	736,737	96.0	7	9	77.8
		Yes	29,385	736,737	4.0	2	9	22.2
	2003	No	577,063	577,063	100.0	7	7	100.0
		Yes	0	577,063	0.0	0	7	0.0
	2004	No	519,143	519,143	100.0	6	6	100.0
		Yes	0	519,143	0.0	0	6	0.0
	2005	No	443,210	443,210	100.0	5	5	100.0
		Yes	0	443,210	0.0	0	5	0.0
	2006	No	113,195	228,054	49.6	5	6	83.3
		Yes	114,859	228,054	50.4	1	6	16.7
CG	1995	No	1,351,923	2,902,784	46.6	10	16	62.5
		Yes	1,550,861	2,902,784	53.4	6	16	37.5
	1996	No	850,302	1,542,073	55.1	11	13	84.6
		Yes	691,771	1,542,073	44.9	2	13	15.4
	1997	No	717,572	1,029,680	69.7	5	8	62.5
		Yes	312,108	1,029,680	30.3	3	8	37.5
	1998	No	1,424,034	1,774,619	80.2	5	9	55.6
		Yes	350,585	1,774,619	19.8	4	9	44.4
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	1,648,698	2,278,186	72.4	7	11	63.6
		Yes	629,488	2,278,186	27.6	4	11	36.4

Table 5-5b continued. Use of Brokers in Sablefish QS Leases, by Area and Year

Area	Year	Was Lease Brokered?	QS Leased	Total Annual QS Leased	Percent of Annual QS Leased	Number of Leases	Total Annual Leases	Percent of Annual Leases
CG Cont.	2001	No	2,201,138	2,395,806	91.9	9	11	81.8
		Yes	194,668	2,395,806	8.1	2	11	18.2
	2002	No	2,118,974	2,202,798	96.2	8	10	80.0
		Yes	83,824	2,202,798	3.8	2	10	20.0
	2003	No	2,714,544	2,714,544	100.0	12	12	100.0
		Yes	0	2,714,544	0.0	0	12	0.0
	2004	No	1,663,435	1,858,099	89.5	8	10	80.0
		Yes	194,664	1,858,099	10.5	2	10	20.0
	2004	No	1,637,178	1,820,762	89.9	8	9	88.9
		Yes	183,584	1,820,762	10.1	1	9	11.1
	2005	No	963,103	963,103	100.0	10	10	100.0
		Yes	0	963,103	0.0	0	10	0.0
	2006	No	1,648,698	2,278,186	72.4	7	11	63.0
		Yes	629,488	2,278,186	27.6	4	11	36.4
WG	1995	No	3,411,694	3,718,498	91.7	9	12	75.0
		Yes	306,804	3,718,498	8.3	3	12	25.0
	1996	No	0	3,137,255	0	0	5	0.0
		Yes	3,137,255	3,137,255	100	5	5	100
	1997	No	846,138	3,288,630	25.7	3	8	37.5
		Yes	2,442,492	3,288,630	74.3	5	8	62.5
	1998	No	1,233,798	1,533,658	80.4	3	8	37.5
		Yes	299,860	1,533,658	19.6	5	8	62.5
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	1,812,185	1,987,498	91.2	8	12	66.7
		Yes	175,313	1,987,498	8.8	4	12	33.3
	2001	No	2,033,168	2,039,459	99.7	8	9	88.9
		Yes	6,291	2,039,459	0.3	1	9	11.1
	2002	No	1,739,948	1,867,060	93.2	8	10	80.0
		Yes	127,112	1,867,060	6.8	2	10	20.0
	2003	No	3,496,653	3,502,948	99.8	5	6	83.3
		Yes	6,295	3,502,948	0.2	1	6	16.7
	2004	No	2,113,508	2,119,804	99.7	6	7	85.7
		Yes	6,296	2,119,804	0.3	1	7	14.3
	2005	No	1,626,825	1,626,825	100.0	3	3	100.0
		Yes	0	1,626,825	0.0	0	3	0.0
	2006	No	1,651,313	1,651,313	100.0	6	6	100.0
		Yes	0	1,651,313	0.0	0	6	0.0
BS	1995	No	322,415	2,008,938	16.0	3	8	37.5
		Yes	1,686,523	2,008,938	84.0	5	8	62.5
	1996	No	289,010	998,940	28.9	2	5	40.0
		Yes	709,930	998,940	71.1	3	5	60.0
	1997	No	252,081	1,424,719	17.7	1	6	16.7
		Yes	1,172,638	1,424,719	82.3	5	6	83.3
	1998	No	3,072,808	3,905,196	78.7	4	9	44.4
		Yes	832,388	3,905,196	21.3	5	9	55.6
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	2,947,429	3,585,187	82.2	11	15	73.3
		Yes	637,758	3,585,187	17.8	4	15	26.7
	2001	No	1,737,296	2,262,567	76.8	8	11	72.7
		Yes	525,271	2,262,567	23.2	3	11	27.3
	2002	No	2,864,758	2,919,897	98.1	9	10	90.0
		Yes	55,139	2,919,897	1.9	1	10	10.0
	2003	No	1,631,056	1,866,659	87.4	5	7	71.4
		Yes	235,603	1,866,659	12.6	2	7	28.6
	2004	No	892,447	982,660	90.8	3	5	60.0
		Yes	90,213	982,660	9.2	2	5	40.0
	2005	No	829,668	829,668	100.0	4	4	100.0
		Yes	0	829,668	0.0	0	4	0.0

Table 5-5b continued. Use of Brokers in Sablefish QS Leases, by Area and Year

Area	Year	Was Lease Brokered?	QS Leased	Total Annual QS Leased	Percent of Annual QS Leased	Number of Leases	Total Annual Leases	Percent of Annual Leases
BS Cont.	2006	No	885,832	885,832	100.0	2	2	100.0
		Yes	0	885,832	0.0	0	2	0.0
AI	1995	No	1,936,426	6,445,229	30.0	5	11	45.5
		Yes	4,508,803	6,445,229	70.0	6	11	54.5
	1996	No	702,192	3,784,635	18.6	4	7	57.1
		Yes	3,082,443	3,784,635	81.4	3	7	42.9
	1997	No	277,352	5,437,538	5.1	1	8	12.5
		Yes	5,160,186	5,437,538	94.9	7	8	87.5
	1998	No	1,097,023	3,516,048	31.2	3	9	33.3
		Yes	2,419,025	3,516,048	68.8	6	9	66.7
	1999	No	NA	NA	NA	NA	NA	NA
		Yes						
	2000	No	4,203,108	4,203,108	100.0	11	11	100.0
		Yes	0	4,203,108	0.0	0	11	0.0
	2001	No	3,337,439	3,337,439	100.0	9	9	100.0
		Yes	0	3,337,439	0.0	0	9	0.0
	2002	No	1,497,227	1,497,227	100.0	4	4	100.0
		Yes		1,497,227	0.0	0	4	0.0
	2003	No	3,750,077	3,798,359	98.7	7	8	87.5
		Yes	48,282	3,798,359	1.3	1	8	12.5
	2004	No	2,440,369	2,440,369	100.0	5	5	100.0
		Yes	0	2,440,369	0.0	0	5	0.0
2005	No	1,445,050	1,445,050	100.0	3	3	100.0	
	Yes	0	1,445,050	0.0	0	3	0.0	

A) NA indicates data not available
 Note: Table includes only years with data

6 Sablefish, “Sweep-ups” of Small QS Blocks

The sablefish IFQ program rules created non-severable “blocks” of QS. Blocks cannot be broken up when they are transferred; meaning all the QS in a block has to be sold or passed on to another person as a single unit. Persons received their QS in a block at initial allocation if their QS would have resulted in less than 20,000 pounds of sablefish IFQ, given 1994 TACs.

⁴⁶

Under the blocking rules, a person can hold a maximum of two blocks in an IFQ area, and a person with two blocks cannot hold any unblocked QS. However, the regulations also allow persons to combine, or “sweep-up,” more than two blocks into a single block if their combined total is worth less than 5,000 pounds of a hypothetical sablefish IFQ.⁴⁷

The sweep-up provisions were added because many of the issued QS blocks were very small and in some cases probably too small to make a fishing trip worthwhile.

Originally, the sweep-up limit was set at 3,000 pounds of a hypothetical IFQ. In April 1996 the NPFMC amended the IFQ program rules to increase the sweep-up limit to 5,000 pounds. This amendment became effective in December, 1996 and therefore did not have a substantial effect on sweep-up transactions during the 1995 and 1996 seasons. The tables in this section reflect only the current rules for sweep-ups.

6.1 Changes in Sweepable QS Blocks

Table 6-1 provides data on the number of persons holding sweepable QS blocks, the number of sweepable QS blocks, and the total amount of sweepable QS in an area. Data are shown for both initial issuance and year-end 2006.

Administrative QS revocations are the only actions that should reduce the amount of sweepable QS in an area after initial issuance. However, administrative errors were recorded in the NMFS-RAM database, and these errors have resulted in minor changes to the amount of sweepable QS that cannot be explained by revocations. Other changes in the data are the result of NMFS-RAM applying corrections during 1996 and 1997 so that QS units formerly issued as unblocked became blocked.

Although the amount of sweepable QS should not change significantly after initial issuance, the number of sweepable blocks should decrease as they are combined, or swept-up, into a smaller number of larger blocks.

⁴⁶ See 50 CFR 679.40(a). The 20,000 pounds is actually a hypothetical IFQ based on 1994 TACs and the amount of QS in the QS pool on October 17, 1994. The sablefish QS equivalent calculated for this blocking limit is worth different annual amounts of IFQ as TACs and QS pools change.

⁴⁷ This regulation is incorporated into 50 CFR 679.41(e)(2). The 5,000 pounds of hypothetical IFQ was based upon 1996 TACs and (QS pool as of January 31, 1996. The regulation translates the rule into a specific amount of QS units for each sablefish area.

Table 6-1 indicates that in all areas there were substantial numbers of persons holding sweepable QS blocks at both initial issuance and year-end 2006. By the end of 2006, the number of sweepable blocks and the number of persons who held them had declined in each area. The percentage decrease in the number of persons who held sweepable QS blocks ranged from 21.0% in the Bering Sea to 42.4% in West Yakutat. The percentage decreases in the number of sweepable blocks were slightly less.

6.2 Sweep-up Transactions

Table 6-2 provides summary information on the sweep-up transactions by area and year. The table shows the total number of transfers and the unique number of transferors and transfer recipients. The table also indicates the amount of QS in the transfers and pounds of sablefish IFQ represented by the average QS transferred.

An oddity of the RAM database is that persons must first hold QS before they can execute a sweep-up transaction. Therefore, if a person holds no QS but purchases and sweeps together one or more blocks, the first transaction is recorded as a “transfer” and not a “sweep-up.” Subsequent transactions associated with the entire sweep-up are entered individually as sweep-up transactions. Therefore for some persons, the data in Table 6-2 do not show the transfer of the first block in the sweep-up. If a person already held a block of sweepable QS, then the purchase of additional blocks to combine in the sweep-up would be recorded as sweep-up transactions.

Sweep-up transactions have occurred in all areas, but principally in Southeast, West Yakutat and the Central Gulf. There were many more sweep-up transactions in each of these areas in 1997 than there were in either 1995 or 1996. The total number of transfers, the total amount of QS in the transfers, and the average amounts of QS transferred are all much higher in 1997. This may be related to the higher sweep-up limits set by the Council that went into effect in December, 1996. However, sweep-ups declined sharply in 1998.

Table 6-2 also indicates that in 1995 and 1996 the number of buyers was similar to the number of sellers in Southeast, West Yakutat, and the Central Gulf, indicating that most sweep-up transactions involved a sweep-up of only one or two blocks. However, in 1997 the numbers of transfer recipients was considerably smaller than the numbers of transferors, indicating that individuals were sweeping up more QS blocks. Again, this may be related to the higher sweep-up limits that went into effect in late 1996.

A comparison with between Table 6-1 and 6- 2 shows that the amount of sweepable QS in these transactions was quite small relative to the total amount of sweepable QS available in each area. For example, in Southeast in 2001, 78,048 QS units were swept-up. This represents only 2.7% of the total 2001 sweepable QS in the area. However, where the 1997 percentages of swept-up QS represent a large increase over previous years, there was a sharp decline in the number of sweep-ups thur 2006.

6.3 Sweepable QS Relative to Total QS

Table 6-3 shows the total amount of QS in each area at the end of 2006 and compares it to the year-end 2006 amounts of blocked QS and sweepable blocked QS. Similarly, it also compares the year-end 2006 total number of QS holders to the number of persons who held blocked QS and the number who held sweepable blocked QS.

As was also shown in Tables 6-1a and 6-1b, the percentage of QS that is blocked at year-end 2006 varies considerably by area, ranging from 0.7% in the Southeast to 15.3% in the Bering Sea. The percentage of persons who held blocked QS was high in all areas, ranging from 51.9% in Southeast to 93.8% in the Aleutians.

In contrast, the percentage of total QS that was sweepable was quite small in all areas, ranging from 2.7% of the total QS in the Central Gulf to 15.3% in the Bering Sea. Although sweepable QS may have represented a fairly small percentage of each area's total QS pool, a considerable number of persons held sweepable QS. For example, 50.2% of the total QS holders in the Central Gulf held sweepable QS at the end of 2006, yet their sweepable holdings represented only 2.7% of the total QS pool in that area. The Bering Sea shows the highest percentage of QS holders who held sweepable QS, with 68.1%.

6.4 Summary

The Council provided a sweep-up provision for small blocks of sablefish QS because many small blocks of QS were initially issued under the IFQ program and many of these blocks were probably not worthwhile to fish. It was hoped that the sweep-up provision would allow such blocks to be combined into fishable blocks of QS. Sweepable QS blocks represent a relatively small portion of the total QS in each area but a relatively large percentage of the QS holders in each area have them.

In December 1996 a revised sweep-up limit became effective, raising the sweep-up limit from 3,000 pounds to 5,000 pounds of a hypothetical sablefish IFQ. Very few sweep-up transactions occurred in 1995 and 1996, but in 1997 the number of transactions increased substantially. This increase may have been related to the new sweep-up limit. However, the number of sweep-ups declined sharply in 2006.

Table 6-1. Persons Holding Sweepable Sablefish QS Blocks, Number of Sweepable Blocks, and Total Sweepable QS Holdings At Initial Issue and Year-end 2006

Area	Initial Persons Holding Sweepable QS	2006 Persons Holding Sweepable QS	Change in Persons Holding Sweepable QS	Initial Number of Sweepable Blocks	2006 Number of Sweepable Blocks	Change in Sweepable Blocks	Initial Amount of Sweepable QS	2006 Amount of Sweepable QS	Change in Sweepable QS
Southeast	261	160	-101	265	263	-2	2,702,656	2,701,767	-889
W. Yakutat	210	121	-89	210	166	-44	2,688,648	2,735,752	47,104
C. Gulf	322	206	-116	325	265	-60	3,116,978	3,064,157	-52,821
W. Gulf	76	54	-22	78	104	26	1,384,506	1,353,366	-31,140
Bering Sea	100	79	-21	100	107	7	2,898,464	2,875,957	-22,507
Aleutians	82	61	-21	82	65	-17	2,568,038	2,568,038	0

Table 6-2. Number of Transferors and Recipients of Sweep-up Transactions, With Mean QS of Sweep-ups, By Area

Area	Year	Official Ratio of QS/IFQ	Number of Sweep-up Transfers	Total QS Swept-Up	Total Unique Tranferors	Average QS Transferred	Avg. QS Transferred Expressed As IFQ	Total Unique Recipients	Average QS Received QS	Avg. QS Received Expressed As IFQ
Southeast	1995	5.3	10	10,288	10	1,029	195	7	1,470	279
	1996	6.7	8	17,972	8	2,247	338	7	2,567	386
	1997	8.2	23	241,305	21	11,491	1,401	15	16,087	1,961
	1998	8.6	11	73,070	10	7,307	851	8	9,134	1,064
	1999	9.4	NA	NA	NA	NA	NA	NA	NA	NA
	2000	8.4	4	19,874	2	9,937	1,179	3	6,625	786
	2001	8.9	8	40,599	6	6,767	759	6	6,767	759
	2002	9.3	4	33,063	4	8,266	886	4	8,266	886
	2003	8.4	5	27,448	3	9,149	1,087	5	5,490	652
	2004	8.0	3	15,074	3	5,025	631	3	5,025	631
	2005	8.4	5	35,661	4	8,915	1,061	5	7,132	849
	2006	8.5	2	9,163	2	4,582	538	2	4,582	538
W. Yakutat	1995	6.4	1	678	1	678	105	1	678	105
	1996	8.7	5	22,782	5	4,556	525	4	5,696	656
	1997	10.5	24	224,775	24	9,366	889	12	18,731	1,778
	1998	11.1	10	123,944	10	12,394	1,117	6	20,657	1,861
	1999	13.2	NA	NA	NA	NA	NA	NA	NA	NA
	2000	12.6	8	29,367	5	5,873	467	8	3,671	292
	2001	13.5	2	32,455	2	16,228	1,202	2	16,228	1,202
	2002	14.4	1	35,853	1	35,853	2,497	1	35,853	2,497
	2003	11.9	6	95,303	5	19,061	1,598	6	15,884	1,331
	2004	10.8	2	26,933	1	26,933	2,489	2	13,467	1,245
	2005	10.6	5	33,863	4	8,466	796	5	6,773	637
	2006	12.1	5	36,160	5	7,232	596	4	9,040	745
C. Gulf	1995	7.3	4	21,020	4	5,255	719	2	10,510	1,438
	1996	9.2	7	21,003	7	3,000	326	6	3,501	380
	1997	9.8	29	244,299	27	9,048	923	18	13,572	1,385
	1998	10.0	7	47,384	7	6,769	680	5	9,477	951
	1999	11.3	NA	NA	NA	NA	NA	NA	NA	NA
	2000	11.1	5	48,780	4	12,195	1,104	5	9,756	883
	2001	11.7	8	78,048	5	15,610	1,333	8	9,756	833
	2002	11.7	8	78,048	3	26,016	2,231	8	9,756	837
	2003	9.8	9	87,804	7	12,543	1,276	8	10,976	1,117
	2004	8.7	3	29,268	2	14,634	1,688	3	9,756	1,125
	2005	8.7	12	117,072	7	16,725	1,916	11	10,643	1,219
	2006	9.9	3	29,268	2	14,634	1,472	3	9,756	981
W. Gulf	1997	10.9	1	8,021	1	8,021	733	1	8,021	733
	1998	11.1	2	26,243	2	13,122	1,182	2	13,122	1,182
	1999	11.2	NA	NA	NA	NA	NA	NA	NA	NA
	2000	11.1	3	50,913	3	16,971	1,529	3	16,971	1,529
	2002	9.1	2	14,461	2	7,231	793	2	0	0
	2003	8.0	1	0	1	0	0	1	22,210	2,794

Table 6-2 continued. Number of Transferors and Recipients of Sweep-up Transactions, With Mean QS of Sweep-ups, By Area

Area	Year	Official Ratio of QS/IFQ	Number of Sweep-up Transfers	Total QS Swept-Up	Total Unique Transferors	Average QS Transferred	Avg. QS Transferred Expressed As IFQ	Total Unique Recipients	Average QS Received QS	Avg. QS Received Expressed As IFQ
W. Gulf Cont.	2004	7.0	2	95,303	2	9,756	1,400	2	9,756	1,400
	2005	8.0	1	26,933	1	9,756	1,213	1	9,756	1,213
Bering Sea	1997	19.2	2	6,007	2	3,004	157	2	3,004	157
	1998	16.2	2	52,372	1	52,372	3,227	1	52,372	3,227
	1999	15.7	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14.5	3	129,975	1	129,975	8,976	3	43,325	2,992
	2001	13.6	1	11,880	1	11,880	871	1	11,880	871
	2002	11.0	1	0	1	0	0	1	0	0
	2003	7.3	3	70,543	3	23,514	3,204	3	23,514	3,204
	2004	7.3	1	19,469	1	19,469	2,652	1	19,469	2,652
	2005	8.7								
	2006	7.6	1	32,389	1	32,389	4,284	1	32,389	4,284
Aleutians	1997	19.9	3	28,262	3	9,421	474	3	9,421	474
	1998	17.3	1	23,094	1	23,094	1,335	1	23,094	1,335
	1999	17.3	NA	NA	NA	NA	NA	NA	NA	NA
	2000	9.9	6	85,112	1	85,112	8,571	6	14,185	1,429
	2001	9.7	2	42,147	1	42,147	4,363	2	21,074	2,182
	2003	7.8	1	3,184	1	3,184	409	1	3,184	409

Table 6-3. 2006 Year-end Total Sablefish QS, Blocked QS, and Sweepable Blocked QS by Area

Area	Total Amount of QS	Total Number of QS Holders	Total Blocked QS	Persons Holding Blocked QS	Total Sweepable QS	Percent of Total QS	Percent of Blocked QS	Persons Holding Sweepable QS	Percent Of Total Persons	Percent of Persons Holding Blocked QS
Southeast	65,967,848	464	9,776,050	263	2,730,031	4.1	27.6	160	34.5	60.8
W. Yakutat	53,207,225	270	6,860,592	166	2,681,075	5.1	39.5	121	44.8	72.9
C. Gulf	111,032,423	410	8,429,805	265	3,075,919	2.7	36.5	206	50.2	77.7
W. Gulf	35,951,012	172	7,229,732	104	1,369,191	3.8	18.8	54	31.4	51.9
Bering Sea	18,587,476	116	11,102,238	107	2,875,957	15.3	25.5	79	68.1	73.8
Aleutians	31,518,176	100	3,008,760	65	2,568,038	8.0	85.4	61	61.0	93.8

7 Sablefish: Changes in QS Holdings by Type of Person

Under the sablefish IFQ program, individuals, partnerships, skippers, corporations, and other types of entities are defined as “persons” who may hold QS. This chapter examines the distribution of QS by type of person holding the QS.

Table 7-1 summarizes information on the distribution of QS by management area and type of person. Table 7-2 provides similar information on the number of persons holding QS, by type of person. Tables 7-3 and 7-4 provide similar information, but use aggregated person-type categories.

This chapter only looks at data from 2000 to 2006 due to the change in computer data base and an increase in number of fields an accurate comparison could not be made from the 1995-1999 data.

These tables provide information on the following types of QS:

<i>Corporate:</i>	QS held by corporations
<i>CQE:</i>	QS held by non-profit Community Quota Entities for use by residents of eligible communities. (No CQE for Sablefish at this time)
<i>Estates:</i>	QS held by estates of QS recipients or other owners.
<i>Individual</i>	QS held by natural persons who are initial QS recipients.
<i>Non Profit</i>	Groups use the proceeds from the CDQ allocations to start or support commercial fishery activities that will result in ongoing, regionally based, commercial fishery or related businesses.
<i>Partnership:</i>	QS held by partnerships.
<i>Skipper:</i>	QS held by individuals who are “IFQ crewmembers” rather than initial issues.
<i>Sole Proprietor:</i>	QS held by business is owned by one individual.

The sablefish IFQ program contains restrictions on the ability of corporations and partnerships to hold and use sablefish catcher vessel QS and IFQ. The intent of these restrictions appears to be to assign QS to corporations and partnerships that qualified as initial issues, but to impose restrictions on the ability of corporations and partnerships to

expand their positions in the fishery. These restrictions are somewhat more strict in the Southeast area than elsewhere.

Corporations and partnerships that are initial catcher vessel QS recipients can use the QS and IFQ that they were initially issued and (except in the Southeast area) can buy and use additional QS. In the Southeast area, corporations and partnerships can only use the catcher vessel QS that they received as an initial allocation. In all areas, corporations or partnerships must have at least a 20% ownership interest in the vessel on which the QS is used and the vessel must be operated by a “Hired Master” employed by the corporation.⁴⁸

Corporations and partnerships *that are not* initial catcher vessel QS recipients cannot acquire catcher vessel QS by transfer. If a corporation or partnership that is not an initial QS recipients comes into possession of catcher vessel QS, perhaps following a default on a loan, it will not be able to fish with the QS.⁴⁹

A corporation or partnership, except for a publicly held corporation, loses the rights to fish its initial catcher vessel allocation and to buy additional QS if a new shareholder or partner is added (except for court appointed trustees acting on behalf of shareholders or partners who become incapacitated). In these cases, QS must be transferred to an individual before it can be fished again.⁵⁰

Corporations and partnerships that are not initial issuees may purchase freezer vessel QS.⁵¹

An IFQ crew member is defined in the IFQ program as an individual approved by NMFS as having at least 150 days experience working as part of a harvesting crew in any United States commercial fishery or any individual who receives an initial allocation of QS. An individual must meet these requirements to buy QS.⁵²

Table 7-1 compares from 2000 and year end 2006 distribution of QS by IFQ area and type of person. Data are supplied on the 2000 QS issued to each type of owner in each management area, the QS held at year-end 2006 by each type of owner, the change in QS held, the percent change, and the percentage of area QS held by each type of owner at 2000 and at year-end 2006.

⁴⁸See 50 CFR 679.42(j). This is a new regulation implemented in 1998. Certain “grandfather” provisions were added to allow the use of hired skippers on vessels where there was less than a 20% ownership interest, provided the owners were initial issuees and they had used a hired skipper prior to April 17, 1997.

⁴⁹See 50 CFR 679.41(g).

⁵⁰See 50 CFR 679.42(j)(1), (2), (3), and (4).

⁵¹The IFQ regulations do not prohibit freezer QS purchases by corporations and partnerships that were not initial issuees.

⁵²NMFS_RAM classifies persons according to their status when they first enter the system. A person whose first contact is the purchase of the QS is classified as “crew”. If a person classified as crew consequently receives an initial allocation of QS, they would not be reclassified. Thus crew occasionally appear as “initial QS holders”.

The table shows that:

The proportion of QS in 2006 allocated to corporate holders varied considerably among the IFQ areas. 2000 allocations of QS to corporations ranged from 10.7% of the total QS in the Southeast area to 56% of the total QS in the Western Gulf area. Corporations held the highest proportions of QS at 2006 allocation in the Western Gulf, Bering Sea and Aleutian Islands areas.

The percentage of an area's QS held by corporations decreased slightly in all areas. 2006 allocations to individuals also varied widely between areas, ranging from a low of 22.9% in the Aleutian Islands area to a high of 73.4% in the Southeast Area. Individuals held the highest percentages of QS in 2006 for Southeast, West Yakutat, and Central Gulf areas.

The proportion of the QS held by individuals fell in Western Gulf and Bering Sea areas. The biggest relative decrease came in the Southeast area where individual holdings of QS fell from 378 holders in the 2000 to 344 holders at the end of 2006. In the Western Gulf individual holdings rose from 82 holders in 2000 to 84 holders at the end of 2006.

The percentages of total area QS held by Skippers at the end of 2006 ranged from a low of 10.2% in the Central Gulf area to a high of 28.2% in the Bering Sea area.

Table 7-2 provides similar information on the number of *individuals* holding QS by area and type of entity. The types of data provided are similar to those provided in Table 7-1. Typically, the number of QS holders declined in each person type entity except for Skippers, individuals and non profits. The declines in QS holders occurred as QS holdings were consolidated.

The description of holders by category in Tables 7-1 and 7-2 can obscure changes in the relative QS holdings of corporations and natural persons. This topic is likely to be one of particular interest. In Tables 7-3 and 7-4 these tables show the management areas and vessel classes in which corporate, estates, individual, non- profit, partnership, skippers, sole proprietor QS holdings are most common.

Table 7-3 looks at the amount of QS held and Table 7-4 looks at the numbers of persons holding QS. These tables are sorted by type of QS holder, vessel category, and management area.

Table 7-3 provides the total 2000 QS, the total year-end 2006 QS, and the change and the percentage change in 2000 and 2006 for each person type, management area, and vessel category combination. It also shows the percentage of total QS for the vessel category and area that was held by each person type in 2000 and at year-end 2006.

Corporate holders held a majority of the freezer vessel sablefish QS in the Central Gulf, Western Gulf, Aleutian Islands, and Bering Sea areas in 2006 and at year-

end 2006 and a majority of the “greater than 60 feet” catcher vessel QS in the West Yakutat, Central Gulf areas in 2006. Corporate holders tended to increase the size of their holdings of freezer QS in areas West Yakutat, Central Gulf, Western Gulf and Aleutians where they held majorities of the QS to start with, but to reduce the size of their holdings of “greater than 60 feet” QS in all areas. Corporate holdings of “LE 60 feet” catcher vessel QS decreased in all areas as well.

At the end of 2006 “Individuals” tended to hold substantial amounts of QS. “Individuals” held over 20% of the QS in 6 of the 18 possible combinations of management areas and vessel categories. They held over 30% in four of them, and over 45% in one. The proportions of QS held by “skippers” were high for freezer vessel QS in the SE,WY,CG. The proportions tended to increase for the 60 foot catcher vessels in all areas.

Partnerships dropped in the freezer category with only AL unchanged QS holdings. Non profit increased their QS holdings in BS and all other regions remained the same.

Table 7-4 provides similar data for QS holders. Data are supplied on the numbers of QS holders of each person-type that were in 2000, the number of QS holders of each person-type who held QS at year-end 2006, and the change and the percent change in the number of QS holders. The table also shows the percentage of QS holders that fall into each person-type category for each vessel category and year. The table provides both year 2000 and year-end 2006 percentages.

Table 7-1. Sablefish QS by Area and Type of Holder

Area	Person Type	2000 Total QS Holdings	Year-end 2006 Total QS Holdings	Change In Total QS Holdings	Pct Change Total QS Holdings	2000 Pct Area QS	Year-end 2006 Pct Area QS
SE	Corporations	8,418,553	7,079,229	-1,339,324	-15.9	12.7	10.7
	Estates	167,106	4,646	-162,460	-97.2	0.3	0.0
	Individual	46,967,935	48,549,573	1,581,638	3.4	71.1	73.4
	Partnership	1,547,438	1,416,117	-131,321	-8.5	2.3	2.1
	Skippers	8,728,760	9,012,759	283,999	3.3	13.2	13.6
	Sole Proprietor	201,169	0	-201,169	-100.0	0.3	0.0
	Trust	0	58,295	58,295	0	0.0	0.1
	-----	66,030,961	66,120,619			100.0	100.0
WY	Corporations	21,798,139	20,289,244	-1,508,895	-6.9	41.0	38.1
	Estates	68,338	7,285	-61,053	-89.3	0.1	0.0
	Individual	21,877,197	23,310,197	1,433,000	6.6	41.1	43.8
	Partnership	1,553,432	1,248,718	-304,714	-19.6	2.9	2.3
	Skippers	7,933,960	8,410,986	477,026	6.0	14.9	15.8
	-----	53,231,066	53,266,430			100.0	100.0
CG	Corporations	48,822,029	47,464,687	-1,357,342	-2.8	43.7	42.5
	Estates	265,948	49,592	-216,356	-81.4	0.2	0.0
	Individual	46,041,757	48,793,965	2,752,208	6.0	41.2	43.7
	Non Profit	1,813,408	1,813,408	0	0.0	1.6	1.6
	Partnership	3,801,767	2,155,822	-1,645,945	-43.3	3.4	1.9
	Skippers	10,874,811	11,409,158	534,347	4.9	9.7	10.2
	-----	111,619,720	111,686,632			100.0	100.0
WG	Corporations	21,086,057	20,157,331	-928,726	-4.4	58.5	56.0
	Estates	90,229	18,799	-71,430	-79.2	0.3	0.0
	Individual	11,553,307	9,929,459	-1,623,848	-14.1	32.1	27.6
	Non Profit	323,008	323,008	0	0.0	0.9	0.9
	Partnership	621,879	352,333	-269,546	-43.3	1.7	1.0
	Skippers	2,354,625	5,248,649	2,894,024	122.9	6.5	14.6
	-----	36,029,105	36,029,579			100.0	100.0
BS	Corporations	10,993,212	7,385,412	-3,607,800	-32.8	58.6	39.3
	Estates	132,845	0	-132,845	-100.0	0.7	0.0
	Individual	4,747,246	4,342,868	-404,378	-8.5	25.3	23.1
	Non Profit	360,448	1,551,947	1,191,499	330.6	1.9	8.3
	Partnership	1,283,873	204,438	-1,079,435	-84.1	6.8	1.1
	Skippers	1,251,221	5,305,702	4,054,481	324.0	6.7	28.2
	-----	18,768,845	18,790,367			100.0	100.0
AI	Corporations	17,881,030	17,084,596	-796,434	-4.5	56.0	53.5
	Estates	331,821	377,589	45,768	13.8	1.0	1.2
	Individual	5,740,799	7,316,455	1,575,656	27.4	18.0	22.9
	Non Profit	679,248	679,248	0	0.0	2.1	2.1
	Partnership	359,786	359,786	0	0.0	1.1	1.1
	Skippers	6,939,808	6,114,818	-824,990	-11.9	21.7	19.1
	-----	31,932,492	31,932,492			100.0	100.0

Table 7-2. Sablefish QS Holders by Area and Type of Person

Area	Person Type	2000 Total QS Holders	Year-end 2006 Total QS Holders	Change In Total QS Holders	Pct Change In Total QS Holders	2000 Pct Area QS holders	Year-end 2006 Pct Area QS holders
SE	Corporations	54	41	-13	-24.1	10.9	9.3
	Estates	2	1	-1	-50.0	0.4	0.2
	Individual	378	344	-34	-9.0	76.2	78.0
	Partnership	11	7	-4	-36.4	2.2	1.6
	Skippers	50	47	-3	-6.0	10.1	10.7
	Sole Proprietor	1	0	-1	-100.0	0.2	0.0
	Trust	0	1	1	0	0.0	0.2
		----- 496	----- 441				
WY	Corporations	67	56	-11	-16.4	22.1	21.1
	Estates	2	1	-1	-50.0	0.7	0.4
	Individual	185	163	-22	-11.9	61.1	61.5
	Partnership	7	5	-2	-28.6	2.3	1.9
	Skippers	42	40	-2	-4.8	13.9	15.1
			----- 303	----- 265			100
CG	Corporations	96	82	-14	-14.6	21.4	20.2
	Estates	3	2	-1	-33.3	0.7	0.5
	Individual	282	260	-22	-7.8	62.9	64.0
	Non Profit	1	1	0	0.0	0.2	0.2
	Partnership	11	7	-4	-36.4	2.5	1.7
	Skippers	55	54	-1	-1.8	12.3	13.3
		----- 448	----- 406				
WG	Corporations	59	50	-9	-15.3	33.5	29.2
	Estates	2	1	-1	-50.0	1.1	0.6
	Individual	82	84	2	2.4	46.6	49.1
	Non Profit	1	1	0	0.0	0.6	0.6
	Partnership	6	4	-2	-33.3	3.4	2.3
	Skippers	26	31	5	19.2	14.8	18.1
		----- 176	----- 171				
BS	Corporations	46	34	-12	-26.1	38.7	29.6
	Estates	1	0	-1	-100.0	0.8	0.0
	Individual	54	55	1	1.9	45.4	47.8
	Non Profit	1	2	1	100.0	0.8	1.7
	Partnership	3	1	-2	-66.7	2.5	0.9
	Skippers	14	23	9	64.3	11.8	20.0
		----- 119	----- 115				
AI	Corporations	41	30	-11	-26.8	39.4	30.3
	Estates	1	2	1	100.0	1.0	2.0
	Individual	42	42	0	0.0	40.4	42.4
	Non Profit	1	1	0	0.0	1.0	1.0
	Partnership	4	4	0	0.0	3.8	4.0
	Skippers	15	20	5	33.3	14.4	20.2
		----- 104	----- 99				

Table 7-3. Sablefish QS by Type of Holder, Vessel Category, and Area

Person Type	Vessel Category	Area	2000 Total QS Holdings	Year-end 2006 Total QS Holdings	Change In Total QS Holdings	Pct Change In Total QS Holdings	Pct 2000 Vessel cat/Area QS	Pct Year end 2006 Vessel cat /Area QS
Corporate	Freezer	SE	2,779,767	2,690,639	-89,128	-3.2	6.1	5.2
		WY	1,805,253	2,497,064	691,811	38.3	4.0	4.8
		CG	10,690,597	13,221,252	2,530,655	23.7	23.5	25.6
		WG	12,272,807	12,897,708	624,901	5.1	27.0	24.9
		BS	5,715,973	5,425,154	-290,819	-5.1	12.6	10.5
		AI	12,226,589	15,001,552	2,774,963	22.7	26.9	29.0
	GT 60 ft.	SE	3,067,582	2,184,661	-882,921	-28.8	5.1	4.5
		WY	16,890,278	14,921,061	-1,969,217	-11.7	27.9	30.5
		CG	27,089,516	23,440,483	-3,649,033	-13.5	44.8	47.9
		WG	5,866,982	5,278,772	-588,210	-10.0	9.7	10.8
		BS	3,456,411	1,321,255	-2,135,156	-61.8	5.7	2.7
		AI	4,154,888	1,788,296	-2,366,592	-57.0	6.9	3.7
	LE 60 ft.	SE	2,571,204	2,203,929	-367,275	-14.3	11.4	11.7
		WY	3,102,608	2,871,119	-231,489	-7.5	13.8	15.3
		CG	11,041,916	10,802,952	-238,964	-2.2	49.1	57.5
		WG	2,946,268	1,980,851	-965,417	-32.8	13.1	10.5
		BS	1,931,649	639,003	-1,292,646	-66.9	8.6	3.4
		AI	885,337	294,748	-590,589	-66.7	3.9	1.6
Estates	GT 60 ft.	SE	167,106	4,646	-162,460	-97.2	15.8	1.0
		WY	68,338	7,285	-61,053	-89.3	6.5	1.6
		CG	264,383	48,027	-216,356	-81.8	25.1	10.5
		WG	90,229	18,799	-71,430	-79.2	8.6	4.1
		BS	132,845	0	-132,845	-100.0	12.6	0.0
		AI	331,821	377,589	45,768	13.8	31.5	82.7
	LE 60 ft	CG	1,565	1,565	0	0.0	100.0	100.0
	Individual	Freezer	SE	1,051,566	2,074,234	1,022,668	97.3	11.8
WY			523,672	466,274	-57,398	-11.0	5.9	5.4
CG			2,617,104	1,937,673	-679,431	-26.0	29.4	22.5
WG			2,823,164	2,725,554	-97,610	-3.5	31.7	31.7
BS			646,539	272,915	-373,624	-57.8	7.3	3.2
AI			1,233,476	1,126,989	-106,487	-8.6	13.9	13.1
GT 60 FT.		SE	7,260,669	6,493,240	-767,429	-10.6	13.5	11.8
		WY	11,004,677	12,414,735	1,410,058	12.8	20.5	22.6
		CG	20,432,982	24,066,683	3,633,701	17.8	38.1	43.8
		WG	8,467,844	6,132,685	-2,335,159	-27.6	15.8	11.2
		BS	3,274,734	1,848,242	-1,426,492	-43.6	6.1	3.4
		AI	3,247,990	3,976,585	728,595	22.4	6.0	7.2
LE 60 ft.		SE	36,884,102	39,330,779	2,446,677	6.6	49.6	50.0
		WY	9,639,044	9,768,473	129,429	1.3	13.0	12.4
		CG	22,991,671	22,789,609	-202,062	-0.9	30.9	29.0
		WG	2,438,924	3,523,859	1,084,935	44.5	3.3	4.5
		BS	948,840	2,028,352	1,079,512	113.8	1.3	2.6
		AI	1,441,243	1,265,636	-175,607	-12.2	1.9	1.6
Non profit	Freezer	SE	0	0	0	0	0.0	0.0
		WY	0	0	0	0	0.0	0.0
		CG	1,813,408	1,813,408	0	0.0	57.1	41.5
		WG	323,008	323,008	0	0.0	10.2	7.4
		BS	360,448	1,551,947	1,191,499	330.6	11.3	35.5
		AI	679,248	679,248	0	0.0	21.4	15.6
Partnership	Freezer	SE	61,889	0	-61,889	-100.0	2.1	0.0
		WY	254,174	0	-254,174	-100.0	8.5	0.0
		CG	1,245,595	0	-1,245,595	-100.0	41.9	0.0
		WG	385,630	0	-385,630	-100.0	13.0	0.0

Table 7-3 continued. Sablefish QS by Type of Holder, Vessel Category, and Area

Person Type	Vessel Category	Area	2000 Total QS Holdings	Year-end 2006 Total QS Holdings	Change In Total QS Holdings	Pct Change In Total QS Holdings	Pct 2000 Vessel cat/Area QS	Pct Year end 2006 Vessel cat /Area QS
Partnership cont.	Freezer	BS	830,132	0	-830,132	-100.0	27.9	0.0
		AI	197,249	197,249	0	0.0	6.6	100.0
	GT 60 FT.	SE	492,519	492,519	-263,929	-18.6	10.4	8.6
		WY	495,700	495,700	-344,978	-38.6	2.7	1.7
		CG	504,708	502,533	-1,290,594	-46.9	5.2	2.8
		WG	3,077	3,077	-98,812	-96.8	0.7	0
		BS	241,915	0	236,732	249.2	0.1	3.2
		AI	24,200	24,200	1,517,844	6272	0.2	13.6
	LE 60 ft	SE	993,030	923,598	-69,432	-7.0	22.4	23.0
		WY	803,558	753,018	-50,540	-6.3	18.1	18.7
		CG	2,051,464	1,653,289	-398,175	-19.4	46.3	41.1
		WG	233,172	349,256	116,084	49.8	5.3	8.7
		BS	211,826	204,438	-7,388	-3.5	4.8	5.1
		AI	138,337	138,337	0	0.0	3.1	3.4
	Skipper	Freezer	SE	469,159	659,491	190,332	40.6	16.0
WY			1,080,835	749,685	-331,150	-30.6	36.8	34.1
CG			1,190,400	584,771	-605,629	-50.9	40.6	26.6
WG			43,417	177,770	134,353	309.4	1.5	8.1
BS			150,823	26,852	-123,971	-82.2	5.1	1.2
GT 60 FT.		SE	2,244,995	4,259,847	2,014,852	89.7	13.9	15.4
		WY	3,802,532	4,423,450	620,918	16.3	23.5	16.0
		CG	4,734,079	4,986,526	252,447	5.3	29.3	18.1
		WG	1,164,616	4,159,889	2,995,273	257.2	7.2	15.1
		BS	652,459	4,610,389	3,957,930	606.6	4.0	16.7
		AI	3,560,734	5,152,963	1,592,229	44.7	22.0	18.7
LE 60 ft		SE	6,014,606	4,093,421	-1,921,185	-31.9	38.1	26.1
		WY	3,050,593	3,237,851	187,258	6.1	19.3	20.6
		CG	4,950,332	5,837,861	887,529	17.9	31.3	37.2
		WG	1146592	910990	-235,602	-20.5	7.3	5.8
		BS	447,939	668,461	220,522	49.2	2.8	4.3
		AI	195,659	961,855	766,196	391.6	1.2	6.1
Sole Proprietor		GT 60 FT.	SE	201,169	0	-201,169	-100.0	100.0
Trust	Freezer	SE	0	58,295	58,295	0	100.0	0.4

Table 7-4. Sablefish QS Holders by Type of Holder, Vessel Category, and Area

Person Type	Vessel Category	Area	2000 Total QS Holders	Year-end 2006 Total QS Holders	Change In Total QS Holders	Pct Change In Total QS Holders	Pct 2000 Vessel cat/Area QS	Pct Year-end 2006 Vessel cat/Area QS
Corporate	Freezer	SE	14	11	-3	-21.4	15.9	11.6
		WY	13	15	2	15.4	14.8	15.8
		CG	17	20	3	17.6	19.3	21.1
		WG	15	16	1	6.7	17.0	16.8
		BS	14	17	3	21.4	15.9	17.9
		AI	15	16	1	6.7	17.0	16.8
	GT 60 ft.	SE	23	17	-6	-26.1	11.7	12.0
		WY	40	31	-9	-22.5	20.3	21.8
		CG	58	48	-10	-17.2	29.4	33.8
		WG	35	27	-8	-22.9	17.8	19.0
		BS	22	9	-13	-59.1	11.2	6.3
		AI	19	10	-9	-47.4	9.6	7.0
	LE 60 ft.	SE	19	14	-5	-26.3	19.2	17.7
		WY	19	16	-3	-15.8	19.2	20.3
		CG	29	24	-5	-17.2	29.3	30.4
		WG	11	11	0	0.0	11.1	13.9
		BS	11	8	-3	-27.3	11.1	10.1
		AI	10	6	-4	-40.0	10.1	7.6
Estates	GT 60 FT.	SE	2	1	-1	-50.0	20.0	16.7
		WY	2	1	-1	-50.0	20.0	16.7
		CG	2	1	-1	-50.0	20.0	16.7
		WG	2	1	-1	-50.0	20.0	16.7
		BS	1	0	-1	-100.0	10.0	0.0
		AI	1	2	1	100.0	10.0	33.3
	LE 60 ft	CG	1	1	0	0.0	100.0	100.0
	Individual	Freezer	SE	22	19	-3	-13.6	31.4
WY			13	11	-2	-15.4	18.6	17.2
CG			14	12	-2	-14.3	20.0	18.8
WG			9	7	-2	-22.2	12.9	10.9
BS			4	5	1	25.0	5.7	7.8
AI			8	10	2	25.0	11.4	15.6
GT 60 FT.		SE	51	45	-6	-11.8	19.3	16.5
		WY	55	57	2	3.6	20.8	21.0
		CG	78	90	12	15.4	29.5	33.1
		WG	38	39	1	2.6	14.4	14.3
		BS	23	21	-2	-8.7	8.7	7.7
		AI	19	20	1	5.3	7.2	7.4
LE 60 ft		SE	315	288	-27	-8.6	42.6	43.1
		WY	127	109	-18	-14.2	17.2	16.3
		CG	207	178	-29	-14.0	28.0	26.6
		WG	47	46	-1	-2.1	6.4	6.9
		BS	27	31	4	14.8	3.6	4.6
		AI	17	16	-1	-5.9	2.3	2.4
Non profit	Freezer	SE	0	0	0	0.0	0.0	0.0
		WY	0	0	0	0.0	0.0	0.0
		CG	1	1	0	0.0	25.0	20.0
		WG	1	1	0	0.0	25.0	20.0
		BS	1	2	1	100.0	25.0	40.0
		AI	1	1	0	0.0	25.0	20.0
Partnership	Freezer	SE	2	0	-2	-100.0	14.3	0.0
		WY	2	0	-2	-100.0	14.3	0.0
		CG	3	0	-3	-100.0	21.4	0.0

Table 7-4 continued. Sablefish QS Holders by Type of Holder, Vessel Category, and Area

Person Type	Vessel Category	Area	2000 Total QS Holders	Year-end 2006 Total QS Holders	Change In Total QS Holders	Pct Change In Total QS Holders	Pct 2000 Vessel cat/Area QS	Pct Year-end 2006 Vessel cat/Area QS	
Partnership Cont.	Freezer	WG	3	0	-3	-100.0	21.4	0.0	
		BS	2	0	-2	-100.0	14.3	0.0	
		AI	2	2	0	0.0	14.3	100.0	
	GT 60 FT.	SE	4	4	0	0.0	33.3	40.0	
		WY	1	1	0	0.0	8.3	10.0	
		CG	3	2	-1	-33.3	25.0	20.0	
		WG	2	2	0	0.0	16.7	20.0	
		BS	1	0	-1	-100.0	8.3	0.0	
		AI	1	1	0	0.0	8.3	10.0	
		LE 60 ft	SE	5	3	-2	-40.0	22.7	17.6
	WY	5	4	-1	-20.0	22.7	23.5		
	CG	7	6	-1	-14.3	31.8	35.3		
	WG	2	2	0	0.0	9.1	11.8		
	BS	2	1	-1	-50.0	9.1	5.9		
	AI	1	1	0	0.0	4.5	5.9		
Skipper	Freezer	SE	3	3	0	0.0	25.0	33.3	
		WY	2	2	0	0.0	16.7	22.2	
		CG	1	1	0	0.0	8.3	11.1	
		WG	1	2	1	100.0	8.3	22.2	
		BS	3	1	-2	-66.7	25.0	11.1	
		AI	2	0	-2	-100.0	16.7	0.0	
		GT 60 FT.	SE	12	17	5	41.7	15.6	15.7
	WY	14	18	4	28.6	18.2	16.7		
	CG	22	21	-1	-4.5	28.6	19.4		
	WG	12	20	8	66.7	15.6	18.5		
	BS	6	18	12	200.0	7.8	16.7		
	AI	11	14	3	27.3	14.3	13.0		
	LE 60 ft	SE	36	29	-7	-19.4	27.5	24.6	
	WY	30	24	-6	-20.0	22.9	20.3		
	CG	39	40	1	2.6	29.8	33.9		
	WG	16	12	-4	-25.0	12.2	10.2		
	BS	6	5	-1	-16.7	4.6	4.2		
	AI	4	8	4	100.0	3.1	6.8		
	Sole Proprietor	GT 60 FT.	SE	1	0	-1	-100.0	100.0	0.0
	Trust	Freezer	SE	0	1	1	0	0	100.0

8 Changes in the Distribution of Sablefish QS by State

Tables 8-1 and 8-2 provide data on QS holdings based on the US state in which QS holders reside. These tables show changes in distribution of sablefish QS holdings by state from initial issuance through year-end 2006. The state of residence for QS holders is based upon NMFS-RAM records of current mailing addresses as self-reported by holders.⁵³

At both initial issuance and year end of 2006, persons from Washington held the highest percentage of QS issued for all IFQ areas except Southeast. By the end of 2006, Alaskan residents had slightly increased their QS holdings in the Southeast, Bering Sea, and Aleutians areas and had slightly decreased their QS holdings in all other areas.

The percentage of QS held by Alaskans in each area at year end 2006 ranged from 22.0% in the Western Gulf area to 65.2 % in the Southeast area. Sablefish QS holdings by Alaska residents increased only in the Southeast and Aleutian Islands management areas, and decreased in the other areas.

In all areas, the QS holdings of persons from Oregon and other states were small relative to the QS holdings of persons from Washington and Alaska.

Table 8-2 shows similar information as Table 8-1, except it provides the number of QS holders instead of the amount of QS. In the Southeast, West Yakutat, Central Gulf, and Bering Sea, most QS holders were from Alaska at year-end 2006; nonresidents of Alaska comprise most of the QS holders in the Western Gulf and Aleutian Islands.

Since initial issuance, the overall number of QS holders has dropped in all areas. With this drop in the number of QS holders there was a coincident increase in the average size of QS holdings in each IFQ management area for residents of most states.

Average QS holdings vary considerably among persons from different states within a management area. For example, in the West Yakutat area, Alaska residents received average initial allocations of 73,978 QS units, whereas Oregon residents received 109,134 QS units, and Washington residents received average initial allocations of 192,088 QS units. In all areas except Southeast, persons from Washington held the highest average amounts of QS, at initial issuance; this also was true at year-end 2006. Except that in Southeast Alaska, residents held the highest average number of QS units.

⁵³NMFS-RAM maintains data only for year end addresses

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 2006 period, and had different addresses and were classified into different resident categories at different points in time.

Table 8-1. Initial Allocation and Year-end 2006 QS Holdings by Area and State.

Area	State	Initial Amount of QS	2006 Amount of QS	Initial Pct. of Area QS	2006 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	Alaska	42,740,595	43,083,774	64.3	65.2	343,179	0.8
	Washington	19,289,335	18,694,040	29.0	28.3	-595,295	-3.1
	Oregon	1,922,885	723,731	2.9	1.1	-1,199,154	-62.4
	Other	2,521,979	3,619,074	3.8	5.5	1,097,095	43.5
		-----	-----			-----	
		66,474,794	66,120,619			-354,175	
W. Yakutat	Alaska	18,494,619	16,934,953	34.6	31.8	-1,559,666	-8.4
	Washington	30,734,052	29,360,557	57.5	55.1	-1,373,495	-4.5
	Oregon	2,619,205	3,321,178	4.9	6.2	701,973	26.8
	Other	1,584,985	3,649,742	3.0	6.9	2,064,757	130.3
		-----	-----			-----	
		53,432,861	53,266,430			-166,431	
C. Gulf	Alaska	43,422,477	41,710,412	39.0	37.3	-1,712,065	-3.9
	Washington	55,214,072	55,043,827	49.5	49.3	-170,245	-0.3
	Oregon	5,180,714	5,435,527	4.6	4.9	254,813	4.9
	Other	7,660,286	9,496,866	6.9	8.5	1,836,580	24.0
		-----	-----			-----	
		111,477,549	111,686,632			209,083	
W. Gulf	Alaska	8,523,462	7,930,283	23.6	22.0	-593,179	-7.0
	Washington	24,283,461	24,706,085	67.3	68.6	422,624	1.7
	Oregon	1,022,862	688,886	2.8	1.9	-333,976	-32.7
	Other	2,256,096	2,704,325	6.3	7.5	448,229	19.9
		-----	-----			-----	
		36,085,881	36,029,579			-56,302	
Bering Sea	Alaska	7,090,226	7,108,280	38.1	37.8	18,054	0.3
	Washington	10,313,616	10,915,383	55.4	58.1	601,767	5.8
	Oregon	432,874	334,646	2.3	1.8	-98,228	-22.7
	Other	768,438	432,058	4.1	2.3	-336,380	-43.8
		-----	-----			-----	
		18,605,154	18,790,367			-185,213	
Aleutians	Alaska	7,112,625	8,703,314	22.6	27.3	1,590,689	22.4
	Washington	22,270,655	21,671,976	70.7	67.9	-598,679	-2.7
	Oregon	628,152	90,849	2	0.3	-537,303	-85.5
	Other	1,506,744	1,466,353	4.8	4.6	-40,391	-2.7
		-----	-----			-----	
		31,518,176	31,932,492			414,316	

Table 8-2. Initial Allocation and Year-end 2006 of Sablefish QS Holders by Area and State

Area	State	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct. of Area QS Holders	2006 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2006 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	Alaska	465	284	52.7	64.4	-181	-38.9	91,915	151,703	59,788	65.0
	Washington	197	115	36.4	26.1	-82	-41.6	97,915	162,557	64,642	66.0
	Oregon	25	11	5.1	2.5	-14	-56.0	76,915	65,794	-11,121	-14.5
	Other	25	31	5.8	7.0	6	24.0	100,879	116,744	15,865	15.7
			----- 712	----- 441			----- -271		----- -----	----- -----	----- -----
W. Yakutat	Alaska	250	126	54.9	47.5	-124	-49.6	73,978	134,404	60,426	81.7
	Washington	160	102	35.2	38.5	-58	-36.3	192,088	287,849	95,761	49.9
	Oregon	24	17	5.3	6.4	-7	-29.2	109,134	195,363	86,229	79.0
	Other	21	20	4.6	7.5	-1	-4.8	75,475	182,487	107,012	141.8
			----- 455	----- 265			----- -190		----- -----	----- -----	----- -----
C. Gulf	Alaska	395	228	61.5	56.2	-167	-42.3	109,930	182,940	73,010	66.4
	Washington	184	112	28.7	27.6	-72	-39.1	300,076	491,463	191,387	63.8
	Oregon	37	32	5.8	7.9	-5	-13.5	140,019	169,860	29,841	21.3
	Other	26	34	4.0	8.4	8	30.8	294,626	279,320	-15,306	-5.2
			----- 642	----- 406			----- -236		----- -----	----- -----	----- -----
W. Gulf	Alaska	107	68	46.1	39.8	-39	-36.4	76,659	116,622	39,963	52.1
	Washington	100	71	43.1	41.5	-29	-29.0	242,835	347,973	105,138	43.3
	Oregon	12	14	5.2	8.2	2	16.7	85,239	49,206	-36,033	-42.3
	Other	13	18	5.6	10.5	5	38.5	173,546	150,240	-23,306	-13.4
			----- 232	----- 171			----- -61		----- -----	----- -----	----- -----
Bering Sea	Alaska	62	54	43.1	47.0	-8	-12.9	114,358	131,635	17,277	15.1
	Washington	65	48	45.1	41.7	-17	-26.2	158,671	227,404	68,733	43.3
	Oregon	8	6	5.6	5.2	-2	-25.0	54,109	55,774	1,665	3.1
	Other	9	7	6.3	4.1	-2	-22.2	85,382	61,723	-23,659	-27.7
			----- 144	----- 115			----- -29		----- -----	----- -----	----- -----

Table 8-2 continued. Initial Allocation and Year-end 2006 of Sablefish QS Holders by Area and State

Area	State	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct. of Area QS Holders	2006 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2006 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Aleutians	Alaska	49	37	36.0	37.8	-12	-24.5	145,156	235,225	90,069	62.0
	Washington	73	50	53.7	51.0	-23	-31.5	305,077	433,440	128,363	42.1
	Oregon	5	2	3.7	2.0	-3	-60.0	125,630	45,425	-80,206	-63.8
	Other	9	9	6.6	9.2	0	0.0	167,416	162,928	-4,488	-2.7
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
		136	98			-38					

9 Sablefish: 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.⁵⁴ They 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 *nonlocal* 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 *nonlocal* 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.

In the 2000 census technological advances in the field of geographic information systems (GIS) during the last 10 years allowed the Census Bureau to automate the urban and rural delineation process for the first time in Census Bureau history. The new urban area criteria, based solely on the population density of census Block Groups (BGs) and census blocks, provide a continuum of urban areas for Census 2000 (see Appendix I).

⁵⁴Langdon, 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 1999.

9.1 Initial and Year-end 2006 Allocations

Table 9-1a provides the initial distribution and year-end 2006 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.⁵⁵

As was shown in Chapter 8, 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 2006, 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 2006, the highest percentage was held by Alaskan Urban Locals.

Table 9-1b provides similar information as Table 9-1a, but shows data on QS holders rather than amounts of QS. The table provides data on the initial and year-end 2006 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 2006.

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 2006, in all areas except Southeast.

⁵⁵Note 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 during 1995 to 2006, and had different addresses at each issuance event. These persons were classified into different resident-types at different points in time.

Table 9-1a. Initial Allocation and Year-end 2006 Sablefish QS Holdings by Management Area and Resident Type

Area	Resident Type	Initial Amount of QS	2006 Amount of QS	Initial Pct. of Area QS	2006 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	AK Rural Local	9,487,259	5,486,602	14.3	8.3	-4,000,657	-42.2
	AK Rural Non-Loc	147,424	1,228,480	0.2	1.9	1,081,056	733.3
	AK Urban Local	30,214,860	34,793,351	45.5	52.6	4,578,491	15.2
	AK Urban Non-Loc	2,891,052	1,575,341	4.3	2.4	-1,315,711	-45.5
	Nonresident	23,734,199	23,011,280	35.7	34.8	-722,919	-3.0
		-----	-----			-----	
		66,474,794	66,095,054			-379,740	
W. Yakutat	AK Rural Local	1,024,288	1,861,277	1.9	3.5	836,989	81.7
	AK Rural Non-Loc	1,276,179	2,222,793	2.4	4.2	946,614	74.2
	AK Urban Local	7,928	0	0.0	0.0	-7,928	-100.0
	AK Urban Non-Loc	16,186,224	12,850,883	30.3	24.4	-3,335,341	-20.6
	Nonresident	34,938,242	35,825,121	65.4	67.9	886,879	2.5
		-----	-----			-----	
		53,432,861	52,760,074			-672,787	
C. Gulf	AK Rural Local	2,660,815	10,147,748	2.4	9.1	7,486,933	281.4
	AK Rural Non-Loc	1,530,000	3,812,272	1.4	3.4	2,282,272	149.2
	AK Urban Local	18,991,744	12,449,806	17	11.2	-6,541,938	-34.4
	AK Urban Non-Loc	20,239,918	15,300,596	18.2	13.7	-4,939,322	-24.4
	Nonresident	68,055,072	69,781,395	61.0	62.6	1,726,323	2.5
		-----	-----			-----	
		111,477,549	111,491,817			14,268	
W. Gulf	AK Rural Local	1,301,812	428,013	3.6	1.2	-873,799	-67.1
	AK Rural Non-Loc	393,081	1,611,716	1.1	4.7	1,218,635	310.0
	AK Urban Local	20,784	128	0.1	0.0	-20,656	-99.4
	AK Urban Non-Loc	6,807,785	5,055,694	18.9	14.6	-1,752,091	-25.7
	Nonresident	27,562,419	27,513,424	76.4	79.5	-48,995	-0.2
		-----	-----			-----	
		36,085,881	34,608,975			-1,476,906	
Bering Sea	AK Rural Local	197	360,448	0.0	1.8	360,251	n.d.
	AK Rural Non-Loc	364,906	2,263,447	2.0	11.5	1,898,541	520
	AK Urban Local	700	1,327,482	0.0	6.7	1,326,782	n.d.
	AK Urban Non-Loc	6,724,423	3,156,903	36.1	16.0	-3,567,520	-53.1
	Nonresident	11,514,928	12,598,937	61.9	63.9	1,084,009	9.4
		-----	-----			-----	
		18,605,154	19,707,217			1,102,063	
Aleutians	AK Rural Local	0	0	0.0	0.0	0	0.0
	AK Rural Non-Loc	109,993	4,603,119	0.3	14.6	4,493,126	4084.9
	AK Urban Non-Loc	7,002,632	4,100,195	22.2	13.0	-2,902,437	-41.4
	Nonresident	24,405,551	22,921,983	77.4	72.5	-1,483,568	-6.1
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		31,518,176	31,625,297			107,121	

n.d. means not defined

Table 9-1b. Initial Allocation and Year-end 2006 Sablefish QS Holders by Area and Resident Type

Area	Resident Type	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct. of Area QS Holders	2006 Pct of Area QS Holders	Change in QS Holders	Pct Change in QS Holders	Initial Avg. QS Holdings	2006 Avg. QS Holdings	Change Avg. QS in Holdings	Pct Change Avg QS Holdings
Southeast	AK Rural Local	118	52	16.5	12.1	-66	-55.9	80,401	105,512	25,111	31.2
	AK Rural Non-Loc	13	13	1.8	3.0	0	0.0	11,340	94,498	83,158	733.3
	AK Urban Local	278	198	38.9	45.9	-80	-28.8	108,687	175,724	67,037	61.7
	AK Urban Non-Loc	58	21	8.1	4.9	-37	-63.8	49,846	75,016	25,170	50.5
	Nonresident	247	147	34.6	34.1	-100	-40.5	96,090	156,539	60,449	62.9
		714	431								
W. Yakutat	AK Rural Local	12	6	2.6	2.4	-6	-50.0	85,357	310,213	224,856	263.4
	AK Rural Non-Loc	47	25	10.3	9.8	-22	-46.8	27,153	88,912	61,759	227.4
	AK Urban Local	1	0	0.2	0.0	-1	-100.0	7,928	0	0	0
	AK Urban Non-Loc	190	95	41.8	37.3	-95	-50.0	85,191	135,272	50,081	58.8
	Nonresident	205	129	45.1	50.6	-76	-37.1	170,430	277,714	107,284	62.9
		455	255								
C. Gulf	AK Rural Local	38	85	5.9	21.3	47	123.7	70,021	119,385	49,364	70.5
	AK Rural Non-Loc	35	23	5.4	5.8	-12	-62.9	43,714	165,751	122,037	279.2
	AK Urban Local	224	77	34.8	19.3	-147	-15.2	84,785	161,686	76,901	90.7
	AK Urban Non-Loc	99	44	15.4	11.0	-55	-31.3	204,444	347,741	143,297	70.1
	Nonresident	247	170	38.4	42.6	-77	-30.4	275,527	410,479	134,952	49.0
		643	399								
W. Gulf	AK Rural Local	17	11	7.3	2.7	-12	-70.6	76,577	38,910	-37,667	-49.2
	AK Rural Non-Loc	10	15	4.3	4.8	-1	-10.0	39,308	107,448	68,140	173.3
	AK Urban Local	5	4	2.2	1.6	-2	-40.0	4,157	32	-4,125	-99.2
	AK Urban Non-Loc	75	38	32.3	37.4	-5	-6.7	90,770	133,045	42,275	46.6
	Nonresident	125	98	53.9	53.5	-25	-20.0	220,499	280,749	60,250	27.3
		232	166								
Bering Sea	AK Rural Local	1	1	0.7	0.9	0	0.0	197	360,448	360,251	n.d.
	AK Rural Non-Loc	11	19	7.6	17.1	-2	-18.2	33,173	119,129	85,956	259.1
	AK Urban Local	2	6	1.4	5.4	0	0.0	350	221,247	220,897	n.d.
	AK Urban Non-Loc	48	28	33.3	25.2	-1	-2.1	140,092	112,747	-27,345	-19.5
	Nonresident	82	57	56.9	51.4	-13	-15.9	140,426	221,034	80,608	57.4
		144	111								

Table 9-1b continued. Initial Allocation and Year-end 2006 Sablefish QS Holders by Area and Resident Type

Area	Resident Type	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct of Area QS Holders	2006 Pct of Area QS Holders	Change in QS Holders	Pct Change in QS Holders	Initial Avg QS Holdings	2006 Avg QS Holdings	Change in Avg QS Holdings	Percent Change Avg QS Holdings
Aleutians	AK Rural Local	0	0	0.0	0.0	0	0.0	0	0	0	n.d.
	AK Rural Non-Loc	4	10	2.9	10.5	6	50.0	460,312	432,814	1,574.0	722.9
	AK Urban Non-Loc	45	27	33.1	28.4	-18	-17.8	151,859	-3,755	-2.4	28.5
	Nonresident	87	58	64.0	61.1	-29	-13.8	395,207	114,683	40.9	7.0
		----- 136	----- 95								

n.d. means not defined

10 Changes in the Distribution of Sablefish QS by Census Area

The tables in this section use 2000 Alaska census areas to classify sablefish QS holders into resident categories. Persons who hold QS were assigned to a census area based upon addresses they provided NMFS-RAM. Persons who reside outside of Alaska were put in a single nonresident category. The tables provide data on the initial distribution and the 2006 year-end distribution of sablefish QS holdings.

Table 10-1a presents a summary on the QS holdings of each resident category in each of the different sablefish IFQ management areas. The table provides the initial QS holdings, the 2006 year-end QS holdings, the change in QS holdings from initial issuance through 2006, and the percentage change in QS holdings. The table also shows the percentage of the total QS in the IFQ area that was initially issued to persons in each resident category as well as the year-end 2006 percentage of the total area QS held in each resident category.

Persons who reside outside of Alaska received the majority of the initial QS in all areas except Southeast, and continued to hold most of the QS at the end of 2006. They have increased their holdings in the West Yakutat, Central Gulf, Western Gulf and Bering Sea areas.

Census areas that show relatively high percentages of QS held by Alaskans at the end of 2006 are: Sitka (Southeast and West Yakutat); Petersburg/Wrangell (Southeast, West Yakutat, Central Gulf); Kodiak (Western Gulf); and the Kenai Peninsula (Western Gulf, Aleutian Islands).

Table 10-1b provides somewhat similar information on QS holders. The table shows, for each census area, the initial number of QS holders, the 2006 year-end number of QS holders, the change in the number of QS holders through 2006, and the percentage change in the number of QS holders for each IFQ management area and census area.

For each IFQ management area and resident category, Table 10-1b also shows the initial average sablefish QS holdings, the 2006 year-end average QS holdings, the change in average QS holdings from initial issuance to year-end 2006, and the percentage change in average QS holdings.

Table 10-1b again shows that the Sitka, Petersburg/Wrangell, Kodiak Borough, and Kenai Peninsula census areas had relatively high numbers of persons with sablefish QS. It also shows that average QS holdings in these census areas were relatively high in most IFQ management areas. The number of QS holders and average QS holdings are high in the “Outside Alaska” category as well.

The table indicates that the majority of sablefish QS holders in the Southeast and Central Gulf areas are Alaskans, while the majority of QS holders in the West Yakutat, Western Gulf, Bering Sea, and Aleutian Islands are from outside Alaska.

Table 10-1b demonstrates that in most census areas there was some consolidation of sablefish QS holdings and a reduction in the number of QS holders. In the few cases where the number of QS holders increased, the increases were very small.

Some of the decline in numbers of QS holders in the Southeast, West Yakutat, Central Gulf, and Western Gulf may be related to persons selling their CDQ compensation QS.

The decline in the number of persons in a resident category usually lead to increases in the average QS holdings for that resident category. However, some resident categories showed decreases in average QS holdings for some IFQ areas even when the number of QS holders had declined.

Table 10-1a. Initial Allocation and Year-end 2006 QS Holdings by Management Area and Census Area

Area	Census Area	Initial Amount of QS	2006 Amount of QS	Initial Pct. of Area QS	2006 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	Aleutians East	54,783	313	0.1	0.0	-54,470	-99.4
	Aleutians West	844	22	0.0	0.0	-822	97.4
	Anchorage Borough	1,281,393	406,449	1.9	0.6	-874,944	68.3
	Fairbanks\N. Star	146,069	0	0.2	0.0	-146,069	100.0
	Haines	685,601	537,887	1.0	0.8	-147,714	21.5
	Juneau	4,529,676	5,211,399	6.8	7.9	681,723	-15.1
	Kenai Peninsula	1,120,873	956,219	1.7	1.4	-164,654	14.7
	Ketchikan	1,819,371	526,747	2.7	0.8	-1,292,624	71.0
	Kodiak Borough	379,517	372,811	0.6	0.6	-6,706	1.8
	MatSu Borough	54,997	321,796	0.1	0.5	266,799	-485.1
	Nome	0	416	0.0	0.0	416	0.0
	Prince of Wales	1,775,814	836,403	2.7	1.3	-939,411	52.9
	Sitka	14,977,433	17,486,918	22.5	26.4	2,509,485	-16.8
	Skgway\Yakt\Angoon	5,662,655	2,209,165	8.5	3.3	-3,453,490	61.0
	Valdez\Cordova	0	3,618	0.0	0.0	3,618	0.0
	Wade Hampton	0	136	0.0	0.0	136	0.0
	Pburg\Wrangell	10,251,569	14,213,475	15.4	21.5	3,961,906	-38.6
	Outside Alaska	23,734,199	23,036,845	35.7	34.8	-697,354	-2.9
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	66,474,794	66,120,619			-354,175		
W. Yakutat	Aleutians East	120,822	10	0.2	0.0	-120,812	-100.0
	Aleutians West	692	18	0.0	0.0	-674	-97.4
	Anchorage Borough	1,524,824	177,440	2.9	0.3	-1,348,090	-88.4
	Fairbanks\N. Star	354	0	0.0	0.0	-354	-100.0
	Haines	16,451	0	0.0	0.0	-16,451	-100.0
	Juneau	1,058,458	294,040	2.0	0.6	-764,418	-72.2
	Kenai Peninsula	2,104,973	2,059,495	3.9	3.9	-45,478	-2.2
	Ketchikan	761,558	569,272	1.4	1.1	-163,366	-22.3
	Kodiak Borough	3,198,743	1,789,468	6.0	3.4	-1,409,275	-44.1
	MatSu Borough	353,076	32,716	0.7	0.1	-320,360	-90.7
	Prince of Wales	77,665	0	0.1	0.0	-77,665	0.0
	Sitka	3,335,668	4,746,870	1.2	8.9	4,094,445	627.6
	Skgway\Yakt\Angoon	680,543	161,216	1.3	0.3	-519,327	-76.3
	SE Fairbanks	0	2,072	0.0	0.0	2,072	0.0
	Valdez\Cordova	797,193	1,861,277	1.5	3.5	1,064,084	0.0
	Pburg\Wrangell	4,463,599	5,241,059	8.3	9.8	777,460	0.0
	Outside Alaska	34,938,242	36,331,477	69.3	68.2	662,677	1.9
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		53,432,861	53,266,430			1,814,468	

Table 10-1a continued. Initial Allocation and Year-end 2006 QS Holdings by Management Area and Census Area

Area	Census Area	Initial Amount of QS	2006 Amount of QS	Initial Pct. of Area QS	2006 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
C. Gulf	Aleutians East	398,414	21	0.4	0.0	-398,393	-100.0
	Aleutians West	1,382	36	0.0	0.0	-1,346	-97.4
	Anchorage Borough	2,057,131	2,528,669	1.9	2.3	452,954	21.8
	Dillingham	0	1,813,408	0.0	1.6	1,813,408	0.0
	Fairbanks\N. Star	1,369	0	0.0	0.0	-1,369	-100.0
	Haines	21	43,969	0.0	0.0	43,948	2,092.8
	Juneau	756,809	782,261	0.7	0.7	25,452	3.4
	Kenai Peninsula	8,533,093	9,652,890	7.7	8.6	1,119,797	13.1
	Ketchikan	1,521,621	539,191	1.2	0.5	-792,140	-59.5
	Kodiak Borough	10,439,338	9,812,733	9.4	8.8	-626,605	-6.0
	MatSu Borough	609,175	146,353	0.5	0.1	-462,822	-76.0
	Prince of Wales	60,592	466,851	0.1	0.4	406,259	670.5
	Sitka	6,971,832	5,288,905	6.3	4.7	-1,682,927	-24.1
	Skgway\Yakt\Angoon	660,060	125,571	0.6	0.1	-534,489	-81.0
	SE Fairbanks	0	242,643	0.0	0.2	242,643	0.0
	Valdez\Cordova	295,982	1,575,983	0.3	1.4	1,280,001	432.5
	Pburg\Wrangell	11,115,658	8,690,928	10.0	7.8	-2,424,730	-21.8
	Outside Alaska	68,055,072	69,976,220	61.1	62.7	1,921,148	2.8
		-----	-----			-----	
		111,477,549	111,686,632			380,789	
W. Gulf	Aleutians East	1,301,808	456	3.6	0.0	-1,301,352	-100.0
	Aleutians West	20,788	57,527	0.1	0.2	36,739	176.7
	Anchorage Borough	162,988	750,589	0.5	2.1	587,601	360.5
	Dillingham	0	323,008	0.0	0.9	323,008	0
	Juneau	78,109	413,482	0.2	1.1	335,373	429.4
	Kenai Peninsula	2,194,155	2,350,572	6.1	6.5	156,417	7.1
	Ketchikan	178,524	731	0.5	0.0	-177,793	-99.6
	Kodiak Borough	795,085	3,486,985	2.2	9.7	2,691,900	338.6
	MatSu Borough	179,250	4,676	0.5	0.0	-174,574	-97.4
	Sitka	2,177,935	340,725	6.0	0.9	-1,837,210	-84.4
	Skgway\Yakt\Angoon	159,065	118,397	0.4	0.3	-40,668	-25.6
	Valdez\Cordova	0	46,382	0.0	0.1	46,382	0
	Pburg\Wrangell	1,275,755	36,753	3.5	0.1	-1,239,002	-97.1
	Outside Alaska	27,562,419	28,099,296	76.4	78.0	536,877	1.9
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		36,085,881	36,029,579			56,302	

Table 10-1a continued. Initial Allocation and Year-end 2006 QS Holdings by Management Area and Census Area

Area	Census Area	Initial Amount of QS	2006 Amount of QS	Initial Pct. of Area QS	2006 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Bering Sea	Aleutians East	50,716	312	0.3	0.0	-50,404	-99.4
	Aleutians West	897	1,327,482	0.0	7.1	1,326,585	n.d.
	Anchorage Borough	204,549	1,030,160	1.1	5.5	825,611	403.6
	Dillingham	0	360,448	0.0	1.9	360,448	0.0
	Juneau	210,263	1,213,392	1.1	6.5	1,003,129	477.1
	Kenai Peninsula	2,226,027	1,371,424	12.0	7.3	-854,603	-38.4
	Ketchikan	39,654	33,200	0.2	0.2	-6,454	-16.3
	Kodiak Borough	1,624,456	527,422	8.7	2.8	-1,097,034	-67.5
	MatSu Borough	54,330	146,061	0.3	0.8	91,731	168.8
	Sitka	901,910	323,344	4.8	1.7	-578,566	-64.1
	Skgway\Yakt\Angoon	163,530	224,846	0.9	1.2	61,316	37.5
	Valdez\Cordova		496,055	0.0	2.6	496,055	0.0
	Pburg\Wrangell	1,613,894	54,134	8.7	0.3	-1,559,760	-96.6
	Outside Alaska	11,514,928	11,682,087	61.9	62.2	167,159	1.5
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		18,605,154	18,790,367			185,213	
Aleutians	Aleutians East	0	-	0.0	0.0	0	0.0
	Aleutians West	16,206	300,292	0.1	0.9	284,086	1,753.0
	Anchorage Borough	249,267	656,299	0.8	2.1	407,032	163.3
	Dillingham	0	679,248	0.0	2.1	679,248	0.0
	Fairbanks	0	283,873	0.0	0.9	283,873	0.0
	Juneau	91,817	1,061,411	0.3	3.3	969,594	1,056.0
	Kenai Peninsula	3,742,955	3,774,574	11.9	11.8	31,619	0.8
	Ketchikan	119,314	0	0.4	0.0	-119,314	-100.0
	Kodiak Borough	475,455	978,243	1.5	3.1	502,788	105.7
	MatSu Borough	23,264	0	0.1	0.0	-23,264	-100.0
	Sitka	1,706,262	470,682	5.4	1.5	-1,235,580	-72.4
	Skgway\Yakt\Angoon	109,993	93,383	0.3	0.3	-16,610	-15.1
	Wade Hampton	0	55,914	0.0	0.2	55,914	0.0
	Pburg\Wrangell	578,092	349,395	1.8	1.1	-228,697	-39.6
Outside Alaska	24,405,551	23,229,178	77.4	72.7	-1,176,373	-4.8	
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		31,518,176	31,932,492			414,316	

Note: n.d. means not "not defined"

Table 10-1b. Initial Allocation and Year-end 2006 QS Holders by Management Area and Census Area

Area	Census Area	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct. of Area QS Holders	2006 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2006 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	Aleutians East	4	2	0.6	0.5	-2	-50.0	13,696	157	-13,539	-98.9
	Aleutians West	5	2	0.7	0.5	-3	-60.0	169	11	-158	-93.5
	Anchorage Borough	13	4	1.8	0.9	-9	-69.2	98,569	101,612	3,044	3.1
	Fairbanks\N. Star	2	0	0.3	0.0	-2	-100.0	73,035	0	-73,035	0
	Haines	16	10	2.2	2.3	-6	-37.5	42,850	53,789	10,939	25.5
	Juneau	72	39	10.1	8.8	-33	-45.8	63,385	133,626	70,241	110.8
	Kenai Peninsula	19	10	2.7	2.3	-9	-47.4	58,993	95,622	36,629	62.1
	Ketchikan	36	11	5.0	2.5	-25	-69.4	45,241	47,886	2,645	5.8
	Kodiak Borough	22	8	3.1	1.8	-14	-63.6	17,251	46,601	29,351	170.1
	MatSu Borough	5	3	0.7	0.7	-2	-40.0	12,196	107,265	95,069	779.5
	Nome	0	1	0.0	0.2	1	0.0	0	416	416	0.0
	Prince of Wales	35	15	4.9	3.4	-20	-57.1	50,738	55,760	5,023	9.9
	Sitka	118	99	16.5	22.4	-19	-16.1	126,927	176,636	49,708	39.2
	Skgway\Yakt\Angoon	47	15	6.6	3.4	-32	-68.1	117,336	147,278	29,941	25.5
	Wade Hampton	0	1	0.0	0.2	1	0.0	0	3,618	3,618	0.0
	Valdez\Cordova	0	1	0.0	0.2	1	0.0	0	136	136	0.0
	Pburg\Wrangell	72	63	10.1	14.3	-9	-12.5	142,383	225,611	83,228	58.5
	Outside Alaska	247	157	34.6	35.6	-90	-36.4	94,027	146,569	52,542	55.9
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		713	441								
W. Yakutat	Aleutians East	4	1	0.9	0.4	-3	-75.0	30,206	10	-30,196	-100.0
	Aleutians West	5	2	1.1	0.8	-3	-60.0	138	9	-129	-93.5
	Anchorage Borough	17	11	3.7	4.2	-6	-35.3	89,737	16,131	-73,606	-82.0
	Fairbanks\N. Star	1	0	0.2	0.0	-1	-100.0	354	0	-354	-100.0
	Haines	3	0	0.7	0.0	-3	-100.0	5,484	0	-5,484	-100.0
	Juneau	18	8	3.9	3.0	-10	-55.6	58,803	36,755	-22,048	-37.5
	Kenai Peninsula	52	18	11.4	6.8	-34	-65.4	40,480	114,416	73,936	182.6
	Ketchikan	7	4	1.5	1.5	-3	-42.9	104,663	142,318	37,655	36.0
	Kodiak Borough	30	13	6.6	4.9	-17	-56.7	106,625	137,651	31,027	29.1
	MatSu Borough	9	3	2.0	1.1	-6	-66.7	39,231	10,905	-28,325	-72.2
	Prince of Wales	5	0	1.1	0.0	-5	-100.0	15,533	0	-15,533	-100.0
	Sitka	38	28	8.3	10.6	-10	-26.3	17,169	169,531	152,362	887.4
	Skgway\Yakt\Angoon	19	5	4.2	1.9	-14	-73.7	35,818	32,243	-3,575	-10.0
	SE Fairbanks		1	0.0	0.4	1	0.0	0	2,072	2,072	0
	Valdez\Cordova	10	6	2.2	2.3	-4	-40.0	79,719	310,213	230,494	289.1
	Pburg\Wrangell	33	26	7.2	9.8	-7	-21.2	135,261	201,579	66,319	49.0
	Outside Alaska	205	139	45.0	52.5	-66	-32.2	173,994	257,735	83,741	48.1
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		456	265								

Table 10-1b continued. Initial Allocation and Year-end 2006 QS Holders by Management Area and Census Area

Area	Census Area	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct. of Area QS Holders	2006 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2006 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
C. Gulf	Aleutians East	5	1	0.8	0.2	-4	-80.0	79,683	21	-79,662	-100.0
	Aleutians West	5	2	0.8	0.5	-3	-60.0	276	18	-258	-93.5
	Anchorage Borough	30	15	4.7	3.7	-15	-50.0	69,191	168,578	99,387	143.6
	Dillingham	0	1	0.0	0.2	1	0.0	0	1,813,408	0	0.0
	Fairbanks\N. Star	1	0	0.2	0.0	-1	-100.0	1,369	0	-1,369	-100.0
	Haines	1	1	0.2	0.2	0	0.0	21	43,969	43,948	n.d
	Juneau	12	3	1.9	0.7	-9	-75.0	63,067	260,754	197,686	313.5
	Kenai Peninsula	140	89	21.8	21.9	-51	-36.4	60,951	108,459	47,509	77.9
	Ketchikan	11	2	1.7	0.5	-9	-81.8	121,030	269,596	148,565	122.8
	Kodiak Borough	78	49	12.1	12.1	-29	-37.2	133,838	200,260	66,422	49.6
	MatSu Borough	10	6	1.6	1.5	-4	-40.0	60,918	24,392	-36,525	-60.0
	Prince of Wales	5	1	0.8	0.2	-4	-80.0	12,118	466,851	454,733	3,752.5
	Sitka	34	18	5.3	4.4	-16	-47.1	205,054	293,828	88,774	43.3
	Skgway\Yakt\Angoon	13	2	2.0	0.5	-11	-84.6	50,774	62,786	12,012	23.7
	SE Fairbanks	0	6	0.0	1.5	6	0.0	0	40,441	0	0.0
	Valdez\Cordova	13	12	2.0	3.0	-1	-7.7	22,768	131,332	108,564	476.8
	Pburg\Wrangell	38	20	5.9	4.9	-18	-47.4	292,517	434,546	142,029	48.6
Outside Alaska	247	178	38.4	43.8	-69	-27.9	275,527	393,125	117,598	42.7	
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		643	406								
W. Gulf	Aleutians East	16	1	6.9	0.6	-15	93.8	81,363	456	-80,907	-99.4
	Aleutians West	6	4	2.6	2.3	-2	33.3	3,465	14,382	10,917	315.1
	Anchorage Borough	6	5	2.6	2.9	-1	16.7	27,244	150,118	122,874	451.0
	Dillingham	0	1	0.0	0.6	1	0.0	0	323,008	0	0.0
	Juneau	3	1	1.3	0.6	-2	66.7	26,036	413,482	387,446	1,488.1
	Kenai Peninsula	18	20	7.7	11.7	2	-11.1	121,898	117,529	-4,369	-3.6
	Ketchikan	4	2	1.7	1.2	-2	50.0	44,631	366	-44,266	-99.2
	Kodiak Borough	24	23	10.3	13.5	-1	4.2	33,129	151,608	118,480	357.6
	MatSu Borough	5	2	2.1	1.2	-3	60.0	35,850	2,338	-33,512	-93.5
	Sitka	13	4	5.6	2.3	-9	69.2	167,533	85,181	-82,352	-49.2
	Skgway\Yakt\Angoon	4	2	1.7	1.2	-2	50.0	39,766	59,199	19,432	48.9
	Valdez\Cordova	0	1	0.0	0.6	1	0.0	0	46,382	0	0.0
	Pburg\Wrangell	9	2	3.9	1.2	-7	77.8	141,751	18,377	-123,374	-87.0
	Outside Alaska	125	103	53.6	60.2	-22	17.6	221,541	273,547	52,006	23.5
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		233	171								

Table 10-1b continued. Initial Allocation and Year-end 2006 QS Holders by Management Area and Census Area

Area	Census Area	Initial Number of QS Holders	2006 Number of QS Holders	Initial Pct. of Area QS Holders	2006 Pct. Of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	2006 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Bering Sea	Aleutians East	3	1	2.1	0.9	-2	-66.7	16,905	312	-16,593	-98.2
	Aleutians West	3	6	2.1	5.2	3	100.0	299	221,247	220,948	73895.7
	Anchorage Borough	4	6	2.8	5.2	2	50.0	56,518	171,693	115,176	203.8
	Dillingham	0	1	0.0	0.9	1	0.0	0	360,448	360,448	0.0
	Juneau	3	5	2.1	4.3	2	66.7	70,088	242,678	172,591	246.2
	Kenai Peninsula	12	13	8.3	11.3	1	8.3	185,502	105,494	-80,008	-43.1
	Ketchikan	3	2	2.1	1.7	-1	-33.3	13,218	16,600	3,382	25.6
	Kodiak Borough	16	9	11.1	7.8	-7	-43.8	101,529	58,602	-42,926	-42.3
	MatSu Borough	4	3	2.8	2.6	-1	-25.0	13,583	48,687	35,105	258.5
	Sitka	6	2	4.2	1.7	-4	-66.7	150,318	161,672	11,354	7.6
	Skgway\Yakt\Angoon	4	3	2.8	2.6	-1	-25.0	40,883	74,949	34,066	83.3
	Valdez\Cordov	0	1	0.0	0.9	1	0.0	0	496,055	496,055	0.0
	Pburg\Wrangell	4	2	2.8	1.7	-2	-50.0	403,474	27,067	-376,407	-93.3
	Outside Alaska	82	61	56.9	53.0	-21	-25.6	141,923	208,704	66,780	47.1
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		144	115								
Aleutians	Aleutians East	0	0	0.0	0.0	0	0.0	0	0	0	0.0
	Aleutians West	2	2	1.5	2.0	0	0.0	8,103	150,146	142,043	1753.0
	Anchorage Borough	4	3	2.9	3.0	-1	-25.0	62,317	218,766	156,450	251.1
	Dillingham	0	1	0.0	1.0	1	0.0	0	679,248	679,248	0.0
	Fairbanks	0	1	0.0	1.0	1	0.0	0	283,873	283,873	0.0
	Juneau	3	2	2.2	2.0	-1	-33.3	30,606	530,706	500,100	1634.0
	Kenai Peninsula	10	6	7.4	6.1	-4	-40.0	374,296	644,222	269,926	72.1
	Ketchikan	1	0	0.7	0.0	-1	-100.0	119,314	0	-119,314	-100.0
	Kodiak Borough	12	13	8.8	13.1	1	8.3	39,621	75,249	35,628	89.9
	MatSu Borough	1	0	0.7	0.0	-1	-100.0	23,264	0	-23,264	-100.0
	Sitka	7	3	5.1	3.0	-4	-57.1	243,752	156,894	-86,858	-35.6
	Skgway\Yakt\Angoon	4	2	2.9	2.0	-2	-50.0	27,498	46,692	19,193	69.8
	Wade Hampton	0	1	0.0	1.0	1	0.0	0	55,914	55,914	0.0
	Pburg\Wrangell	5	3	3.7	3.0	-2	-40.0	115,618	116,465	847	0.7
	Outside Alaska	87	62	64.0	62.6	-25	-28.7	284,749	371,853	87,104	30.6
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		136	99								

11 New Entrants in the Sablefish Fishery

Other sections of this report provides the result of consolidations and transfer activities that have occurred since the initial QS allocation. Some of the transferred QS went to initial QS recipients and some went to new entrants. The tables in this section present data that show the extent to which new entrants received QS and entered the sablefish fishery. The data indicates that significant numbers of persons who were not initial issues for an area were able to acquire sablefish QS.

The IFQ program provides free transferability of QS, subject to several constraints designed to temper consolidation and preserve opportunities for the smaller boat and part-time portion of the fleet that existed under open access. These constraints are discussed in Chapter 2 and other sections of this report.

Any United States citizen or entity can receive freezer vessel QS through transfer. Persons who receive catcher vessel QS through transfer must be initial QS recipients or IFQ crewmembers. Under the IFQ program, an IFQ crewmember is defined as any individual who has at least 150 days experience working as part of a harvesting crew in any United States commercial fishery or as any individual who receives an initial allocation of QS.(US Code of Federal regulations, Part 679.2)

New entrants may also participate in the fishery through regulations which allow an individual to transfer QS to the individual's solely owned corporation (a new entity). New entrants might also participate because of transfers due to court order, operation of law, or as part of a security agreement. However, in these latter cases IFQ is not assigned unless the person receiving the QS transfer meets all eligibility requirements.

Table 11-1a shows, by area, the amount of QS and the percentage of QS still held by initial issues at year end from 1995 through 2006. The table provides their average QS holdings and the percentage these initial holders represent of all QS holders.

The table also shows the amount and percentage of sablefish QS held year end by new entrants to the area. Note that a new entrant in one area may have initially received sablefish QS in some other area(s). The table provides the number of new entrants to each area their average QS holdings, and the percentage these new entrants represent of all QS holders.

The number of initial issues who still held QS declined in all areas from 1995 through 2006. By the end of 2006, the average percentage of QS holders of all years who were new entrants to the area ranged from 32.5% of the QS holders in the Bering Sea area to 9.8% of the QS holders in the West Yakutat area. Similarly, by the end of 2006, new entrants to the area held between 12.9 % of the available QS in the West Yakutat area to 82.9 % in the Bering Sea area. These data indicate significant numbers of new persons have been able to enter the sablefish fishery after initial allocation.

Table 11-1a. Sablefish QS Holdings of Initial Issuees and New Entrants at Year-end

Area	Year	Total QS Held By Initial Issuees	% of QS Held By Initial Issuees	Avg. QS Held By Initial Issuees	Initial Issuees For Area	Percent Who Are Initial Issuees	Total QS Held By New Entrants	% of QS Held By New Entrants	Avg. QS Held By New Entrants	New Entrants For Area	Percent Who Are New Entrants
Southeast	1995	61,934,533	94.8	104,974	590	89.9	3,418,229	5.2	51,791	66	10.1
	1996	60,369,833	91.7	117,680	513	84.4	5,459,642	8.3	57,470	95	15.6
	1997	57,882,234	87.8	130,660	443	80.1	8,056,528	12.2	73,241	110	19.9
	1998	57,528,456	87.2	137,628	418	79.6	8,439,392	12.8	78,873	107	20.4
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	55,896,930	85.7	140,798	397	81.2	9,354,951	16.7	101,684	92	14.3
	2001	54,368,182	83.3	141,584	384	80.2	10,883,699	20.0	114,565	95	16.7
	2002	53,962,682	82.8	145,845	370	78.2	11,214,681	20.8	108,880	103	17.2
	2003	52,171,784	80.0	150,351	347	75.4	13,034,117	25.0	115,346	113	20.0
	2004	52,042,829	79.5	153,973	338	74.1	13,456,158	25.9	114,035	118	20.5
	2005	49,149,127	74.9	156,029	315	71.1	16,444,769	33.5	128,475	128	25.1
2006	48,533,839	74.0	158,607	306	70.7	17,078,302	35.2	134,475	127	26.0	
W. Yakutat	1995	51,120,475	97.2	130,743	391	93.1	1,476,794	2.8	50,924	29	6.9
	1996	50,017,543	94.3	149,306	335	85.5	3,010,683	5.7	52,819	57	14.5
	1997	49,333,311	92.9	175,563	281	80.3	3,783,309	7.1	54,831	69	19.7
	1998	48,134,112	90.5	181,638	265	77.7	5,073,113	9.5	66,751	76	22.3
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	48,929,155	92.6	202,187	242	81.2	3,891,717	8.0	69,495	56	7.4
	2001	48,129,396	91.1	203,938	236	80.0	4,691,476	9.7	79,517	59	8.9
	2002	47,549,362	89.8	207,639	229	78.7	5,391,273	11.3	86,956	62	10.2
	2003	46,960,049	88.9	216,406	217	77.0	5,845,189	12.4	89,926	65	11.1
	2004	46,419,230	88.5	224,247	207	75.5	6,008,343	12.9	89,677	67	11.5
	2005	46,213,852	88.2	234,588	197	73.5	6,197,486	13.4	87,289	71	11.8
2006	46,388,675	88.6	244,151	190	73.6	5,984,692	12.9	88,010	68	11.4	
C. Gulf	1995	105,094,376	97.6	189,701	554	93.6	2,540,934	2.4	66,867	38	6.4
	1996	104,898,351	95.4	214,956	488	88.2	5,099,495	4.6	78,454	65	11.8
	1997	101,161,444	91.2	246,735	410	82.7	9,712,414	8.8	112,935	86	17.3
	1998	99,611,419	89.7	255,414	390	81.4	11,421,004	10.3	128,326	89	18.6
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	100,031,697	92.6	269,627	371	84.3	7,989,970	8.0	115,797	69	7.4
	2001	96,505,256	90.8	271,846	355	81.8	9,773,074	10.1	123,710	79	9.2
	2002	95,297,720	89.7	276,225	345	81.0	10,977,134	11.5	135,520	81	10.3
	2003	92,117,002	87.3	280,845	328	77.5	13,351,424	14.5	140,541	95	12.7
	2004	91,484,529	87.2	285,889	320	76.4	13,383,826	14.6	135,190	99	12.8
	2005	91,967,903	87.7	299,570	307	76.4	12,900,429	14.0	135,794	95	12.3
2006	90,751,062	87.3	304,534	298	75.4	13,243,054	14.6	136,526	97	12.7	

Table 11-1a continued. Sablefish QS Holdings of Initial Issues and New Entrants at Year-end

Area	Year	Total QS Held By Initial Issues	% of QS Held By Initial Issues	Avg. QS Held By Initial Issues	Initial Issues For Area	Percent Who Are Initial Issues	Total QS Held By New Entrants	% of QS Held By New Entrants	Avg. QS Held By New Entrants	New Entrants For Area	Percent Who Are New Entrants
W. Gulf	1995	34,657,516	98.5	169,890	204	94.0	539,326	1.5	41,487	13	6.0
	1996	33,084,728	92.4	173,218	191	90.5	2,708,574	7.6	135,429	20	9.5
	1997	32,135,348	89.4	197,149	163	82.7	3,799,891	10.6	111,762	34	17.3
	1998	31,439,519	87.5	212,429	148	79.1	4,511,493	12.5	115,679	39	20.9
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	30,644,782	91.3	214,299	143	84.1	2,934,109	9.6	108,671	27	8.7
	2001	29,847,364	90.3	214,729	139	81.8	3,190,739	10.7	102,927	31	9.7
	2002	29,960,653	91.0	221,931	135	82.3	2,981,225	10.0	102,801	29	9.0
	2003	28,810,079	87.0	218,258	132	78.6	4,299,454	14.9	119,429	36	13.0
	2004	29,714,087	89.7	221,747	134	80.2	3,395,920	11.4	102,907	33	10.3
	2005	28,870,604	87.2	218,717	132	79.0	4,238,847	14.7	121,110	35	12.8
	2006	28,646,219	87.4	223,799	128	78.0	4,135,290	14.4	114,869	36	12.6
Bering Sea	1995	17,027,736	96.8	130,983	130	94.2	571,066	3.2	71,383	8	5.8
	1996	17,070,758	92.7	135,482	126	93.3	1,350,271	7.3	150,030	9	6.7
	1997	16,612,071	89.3	140,780	118	90.1	1,990,327	10.7	153,102	13	9.9
	1998	14,632,484	78.7	130,647	112	87.5	3,954,992	21.3	247,187	16	12.5
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	14,566,793	93.8	140,065	104	91.2	965,524	6.6	96,552	10	6.2
	2001	13,753,796	88.6	138,927	99	89.2	1,763,966	12.8	146,997	12	11.4
	2002	12,284,359	83.2	134,993	91	85.0	2,487,029	20.2	155,439	16	16.8
	2003	9,061,189	69.1	114,699	79	76.7	4,055,815	44.8	168,992	24	30.9
	2004	8,057,981	61.3	103,307	78	75.7	5,080,545	63.0	203,222	25	38.7
	2005	7,626,906	58.1	96,543	79	75.2	5,511,277	72.3	211,972	26	41.9
	2006	7,085,493	54.7	95,750	74	71.8	5,871,664	82.9	202,471	29	45.3
Aleutians	1995	29,184,860	97.7	249,443	117	93.6	678,469	2.3	84,809	8	6.4
	1996	29,211,688	93.9	243,431	120	92.3	1,892,172	6.1	189,217	10	7.7
	1997	28,129,408	89.2	262,892	107	86.3	3,388,768	10.8	199,339	17	13.7
	1998	26,845,632	85.2	285,592	94	79.0	4,672,544	14.8	186,902	25	21.0
	1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2000	27,639,438	97.7	317,695	87	88.8	644,038	2.3	58,549	11	2.3
	2001	26,441,289	95.2	343,393	77	85.6	1,321,476	5.0	101,652	13	4.8
	2002	23,735,412	85.9	325,143	73	81.1	3,908,039	16.5	229,885	17	14.1
	2003	20,317,563	74.3	298,788	68	78.2	7,043,119	34.7	370,690	19	25.7
	2004	19,934,535	73.0	297,530	67	75.3	7,380,379	37.0	335,472	22	27.0
	2005	18,937,362	74.3	282,647	67	73.6	6,539,741	34.5	272,489	24	25.7
	2006	15,494,812	64.0	245,949	63	70.8	8,709,696	56.2	334,988	26	36.0

12 Sablefish: Changes in Landing and Delivery Patterns

This chapter examines harvest and delivery patterns in the sablefish fishery. The first table shows time-series data that compare deliveries from 1995 through 2006. Tables also show the number of persons who recorded landings, including the seasons before and after implementation of the IFQ program. Other tables show quarterly harvest data, the harvest by QS holder, residence, and finally, a comparison of harvests by QS owners with harvests by hired skippers. Information in this chapter may be confused with ex-vessel price data found in chapter 15 to desire ex-vessel of the fisheries.

12.1 Deliveries by State, Census Area, Annual Quarter, and Residency

Tables 12-1 and 12-2 contain Alaska harvest data from 1995 through 2006 by place of delivery. The 1995 through 2006 data come from NMFS-RAM IFQ databases and include commercial harvests in the IFQ fishery only. All harvests in the CDQ fisheries were also excluded.

Table 12-1 classifies 1995 to 2006 sablefish harvests based upon where the catch was delivered. Harvests attributed to WPR data sources from 1991 to 1994 were placed in the “catcher/processor” category. The remaining 1991 to 1994 harvest was classified depending upon whether the deliveries were made in Alaska or in other states.

Harvest data for 1995-2006 were analyzed similarly to 1991-1994 data even though they come from a different source. Catcher/processor harvest from 1995-2006 was identified from the NMFS-RAM Registered Buyers file, the ADF&G Intent to Operate file, and ADF&G fish tickets.⁵⁶

⁵⁶ This was a complicated exercise. Information sources from ADF&G were necessary because the NMFS-RAM Registered Buyers file lacks precise characterization of buying operations, especially catcher/sellers and catcher/processors. For example, registered buyers are allowed to indicate several processor types on their permit form, but the corresponding electronic data entry form only contains space for one processor type and data entry personnel must make a choice on which processor type is entered. Consequently, there were numerous operations which were labelled as catcher/sellers (catchers who sell *unprocessed* fish) on the NMFS-RAM system, but which were classified as catcher/processors on the ADF&G system. Since the ADF&G system has a more strict methodology of assigning processor type, and since a number of these entities had large harvests (some exceeding 300,000 pounds), it was deemed prudent to use the ADF&G data to identify catcher/processors.

State processor codes from fish ticket data were also used to augment the NMFS-RAM Registered Buyers file. Most processors on the NMFS-RAM Registered Buyers file have been assigned state processor codes; however, individuals sometimes do not list their state processor codes when they fill out their Registered Buyers permit forms. When state processor codes were missing from the NMFS-RAM Registered Buyers file, it was possible to find state processor codes for some of the registered buyers by linking to specific fish tickets with NMFS-RAM IFQ harvest data by pre-printed fish ticket number.

The final step in this procedure was to hand review the names and addresses and harvest amounts of each processor within each category.

Other 1995-2006 harvest was classified based upon whether the deliveries were made in Alaska or in other states.

Table 12-1 shows small variations in delivery patterns from 1991 to 2006 with respect to the percentage of the sablefish delivered to Alaskan ports, to catcher/ processors, or to ports outside Alaska. However, total harvests over the time period have declined significantly. The 2006 statewide harvest of sablefish was the smallest of any year in the time series; consequently, the pounds of sablefish delivered to Alaskan ports and catcher/processors was considerably lower than other years. Again, the 1995 through 2006 harvest data include only the commercial catch in the IFQ fishery.

Table 12-2 breaks out the Alaskan deliveries in Table 12-1 and apportions them to reporting areas based upon Alaskan census areas or combinations of census areas.⁵⁷ Lower TACs in the sablefish fishery have contributed to an overall decrease in the total amount of pounds of sablefish delivered after 1994. Delivery patterns have also varied since the inception of the IFQ program and these changes may or may not have been related to the program. For example, the percentage of total harvest that was delivered to the Ketchikan/Prince of Wales, Wrangell/Petersburg, Skagway/Yakutat/Angoon, and Kodiak census areas declined after 1994, whereas the percentage of total deliveries in the Sitka/Juneau/Haines and Kenai Peninsula / Anchorage aggregated census areas appears to have increased after 1994.

Quarterly sablefish harvests are examined in Table 12-3. The number of pounds landed, number of persons with landings, and the average pounds landed are given for each area and quarter for 1995 through 2006.

Table 12-3 indicates most of the catch is landed in the 2nd and 3rd quarters of each year. Note that these periods, April through June and July through September, contain the best weather months. Also note that the Alaska sablefish seasons have opened on March 15 and closed on November 15, which shortened the available time to make landings in the 1st and 4th quarters. In most areas since 1995, there appears to be a shift away from harvests in the 2nd quarter, and increases in harvests in the 3rd and 4th quarters.

Table 12-4 classifies 1995-2006 sablefish harvests by area, year, and state of residence of the QS owner. Note that the count of persons with landings in this table represents the number of unique IFQ permit holders with landings. An IFQ permit holder may or may not own the QS they are fishing. For example, a QS owner can hire a skipper to fish their IFQ for them, or they may lease their QS to another person. In Table 12-4, “persons with landings” counts the number of unique IFQ permit holders, and their harvests have been assigned to the residence of the QS owner.

Table 12-4 indicates that in the Southeast, West Yakutat, and Central Gulf areas, the majority of IFQ permit holders with landings were using QS owned by persons from

⁵⁷ It is necessary to aggregate some census areas to preserve confidential delivery data.

Alaska. The majority of IFQ permit holders with landings in the Western Gulf, Bering Sea, and Aleutian Islands were using QS owned by persons from Washington. Washington QS holders were also credited with the majority of the pounds harvested in all areas and years except the Central Gulf in 1995 and 2006 and in all years from 1995 to 2006 in Southeast. Persons from states other than Alaska or Washington were credited with relatively small amounts of the harvest in each area.

Table 12-1. Alaska Sablefish Deliveries (pounds), by State of Delivery, 1995-2006

Year	Total Harvest (pounds)	Deliveries In Alaska	Percent Of Total	Deliveries In Washington	Percent Of Total	Deliveries In other States	Percent Of Total
1995	40,935,864	39,594,337	96.7	1,103,217	2.7	238,310	2.1
1996	33,196,479	31,258,176	94.2	1,685,325	5.1	252,978	1.8
1997	28,651,250	26,979,477	94.2	1,657,854	5.8	13,919	1.6
1998	27,636,101	24,762,355	89.6	2,740,491	11.1	133,255	1.3
1999	25,410,370	23,351,064	91.9	2,053,711	8.1	5,595	1.3
2000	27,624,505	26,083,896	94.4	1,540,609	5.6	900	0.0
2001	26,355,159	25,110,044	95.3	1,243,399	4.7	1,716	0.0
2002	27,091,941	25,534,159	94.3	1,553,975	5.7	3,807	0.0
2003	30,838,900	29,001,176	94.0	1,837,724	6.0	0	0.0
2004	33,695,316	31,424,348	93.3	2,270,968	6.7	0	0.0
2005	32,877,746	30,476,818	92.7	2,390,811	7.3	10,117	0.0
2006	30,849,437	28,615,241	92.8	2,234,196	7.2	0	0.0

Note: Harvest figures from 1995 through 2006 are for commercial harvests in the IFQ fishery. Harvests in the CDQ fisheries are excluded.

Table 12-2. Sablefish Deliveries (pounds), by Alaska Place of Delivery: 1991-2006

Alaska Census Area	Year	Pounds Delivered	Percent of Total Harvest
Ketchikan / Prince of Wales Census Area	1991	1,499,252	2.9
	1992	1,084,597	2.2
	1993	1,253,704	2.5
	1994	1,783,025	4.0
	1995	659,842	1.6
	1996	663,452	2.0
	1997	484,246	1.7
	1998	473,457	1.7
	1999	364,955	1.6
	2000	293,674	1.1
	2001	307,584	1.2
	2002	220,832	0.9
	2003	204,858	0.7
	2004	113,338	0.4
2005	83,279	0.3	
2006	62,979	0.2	
Wrangell-Petersburg Census Area	1991	2,219,025	4.3
	1992	2,923,296	6.0
	1993	3,266,984	6.6
	1994	4,030,771	9.0
	1995	2,024,982	5.0
	1996	1,757,858	5.3
	1997	1,240,980	4.3
	1998	943,670	3.5
	1999	965,587	4.1
	2000	1,090,700	4.2
	2001	1,061,556	4.2
	2002	1,337,805	5.2
	2003	1,344,162	4.6
	2004	1,408,206	4.5
2005	1,313,498	4.6	
2006	1,369,586	4.8	
Sitka / Juneau / Haines Census Area	1991	3,916,241	7.6
	1992	3,842,141	7.9
	1993	3,595,039	7.3
	1994	5,661,772	12.6
	1995	6,030,924	14.8
	1996	5,372,676	16.2
	1997	4,919,060	17.2
	1998	5,340,560	19.5
	1999	4,565,094	19.6
	2000	5,024,144	13.6
	2001	4,650,110	18.5
	2002	4,510,175	17.7
	2003	5,448,325	18.8
	2004	6,222,977	19.8
2005	6,278,302	21.9	
2006	5,734,495	20.0	
Skagway-Yakutat-Angoon Census Area	1991	6,115,837	11.9
	1992	5,993,468	12.4
	1993	7,739,549	15.7
	1994	7,850,543	17.5
	1995	5,548,055	13.7
	1996	3,767,543	11.4
	1997	3,234,288	11.3
	1998	2,570,430	9.4
	1999	2,368,087	10.1
	2000	2,569,617	9.9

**Table 12-2 continued. Sablefish Deliveries (pounds), by Alaska Place of Delivery:
1991-2006**

Alaska Census Area	Year	Pounds Delivered	Percent of Total Harvest
Skagway-Yakutat-Angoon Census Area (continued)	2001	2,345,229	9.3
	2002	2,115,256	8.3
	2003	1,795,493	6.2
	2004	1,285,841	4.1
	2005	765,633	2.7
	2006	2,111,907	7.4
Valdez-Cordova Census Area	1991	3,267,057	6.4
	1992	2,555,694	5.3
	1993	2,202,364	4.5
	1994	1,954,723	4.4
	1995	1,709,629	4.2
	1996	1,285,453	3.9
	1997	1,246,654	4.4
	1998	945,608	3.5
	1999	922,525	4.0
	2000	1,060,708	4.1
	2001	1,348,461	5.4
	2002	1,279,302	8.3
	2003	1,899,492	6.5
	2004	2,072,108	6.6
2005	2,131,880	7.4	
2006	1,399,128	4.9	
Kenai Peninsula / Anchorage Census Area	1991	13,291,830	26.0
	1992	10,333,650	21.4
	1993	10,166,782	20.6
	1994	8,226,662	18.4
	1995	10,201,382	25.1
	1996	8,890,290	26.8
	1997	7,803,330	27.3
	1998	8,037,530	29.4
	1999	7,854,651	33.6
	2000	8,332,348	31.9
	2001	7,076,125	28.2
	2002	7,804,480	30.6
	2003	8,872,634	30.6
	2004	10,390,004	33.1
2005	8,481,821	29.5	
2006	8,118,915	28.4	

Table 12-2 continued. Sablefish Deliveries (pounds), by Alaska Place of Delivery: 1991-2006

Alaska Census Area	Year	Pounds Delivered	Percent of Total Harvest
Kodiak Island Borough Census Area	1991	7,560,370	14.8
	1992	6,423,037	13.3
	1993	7,642,884	15.5
	1994	5,523,117	12.3
	1995	4,235,964	10.4
	1996	2,654,164	8.0
	1997	3,635,076	12.7
	1998	3,051,421	11.2
	1999	2,636,574	11.3
	2000	2,499,925	9.6
	2001	2,619,512	10.4
	2002	1,922,976	7.5
	2003	2,247,198	7.7
	2004	2,763,289	8.8
	2005	2,937,695	10.2
2006	2,781,467	9.7	
Aleutians / Alaska Peninsula Census Area	1991	5,774,578	11.3
	1992	4,927,040	10.2
	1993	1,985,665	4.0
	1994	1,160,320	2.6
	1995	3,821,559	9.4
	1996	2,917,046	8.8
	1997	2,415,342	8.4
	1998	2,256,014	8.3
	1999	3,672,421	15.7
	2000	5,211,880	20.0
	2001	5,701,467	22.7
	2002	6,343,333	24.8
	2003	7,189,014	24.8
	2004	7,168,585	22.8
2005	6,733,169	23.4	
2006	7,036,764	24.6	
(other area) Floating Processor	1991	1,256,886	2.5
	1992	3,221,230	6.7
	1993	593,951	1.2
	1994	171,715	0.4

Table 12-3. Sablefish Harvest (pounds), by Area, Year, and Quarter: 1995 to 2006

Area	1995 Persons With Landings	1996 Persons With Landings	1997 Persons With Landings	1998 Persons With Landings	1999 Persons With Landings	2000 Persons With Landings	2001 Persons With Landings	2002 Persons With Landings	2003 Persons With Landings	2004 Persons With Landings	2005 Persons With Landings	2006 Persons With Landings
Southeast	478	482	444	398	386	390	391	389	382	381	373	365
W. Yakutat	285	289	261	238	232	242	236	245	230	226	222	210
C. Gulf	439	386	363	337	315	355	345	335	345	336	334	341
W. Gulf	118	121	119	105	98	118	110	126	125	119	113	128
Bering Sea	79	75	63	55	54	62	54	59	59	54	62	63
Aleutians	73	75	66	46	52	61	57	58	60	51	50	50

Table 12-4 Average Landings in the Sable Fishery from 1995 to 2006.

Area	1995 Average Catch	1996 Average Catch	1997 Average Catch	1998 Average Catch	1999 Average Catch	2000 Average Catch	2001 Average Catch	2002 Average Catch	2003 Average Catch	2004 Average Catch	2005 Average Catch	2006 Average Catch
Southeast	24,873	20,312	17,963	18,652	17,874	19,966	18,541	18,177	20,299	21,448	20,897	21,127
W. Yakutat	27,953	21,091	18,967	19,578	16,961	17,497	16,398	15,113	19,200	21,569	22,452	20,590
C. Gulf	31,812	30,610	30,165	31,912	30,882	28,273	26,943	28,557	32,613	37,837	37,717	32,599
W. Gulf	33,232	29,524	25,588	28,713	31,246	26,322	30,803	30,693	33,868	39,435	37,039	35,231
Bering Sea	12,433	9,375	9,089	10,542	11,593	11,059	14,754	19,829	20,471	21,319	19,802	25,538
Aleutians	26,070	15,563	17,229	19,448	21,044	29,096	30,694	29,483	32,773	40,869	41,732	30,838

**Table 12-5. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner:
1995-2006**

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest	
Southeast	1995	Alaska	7,841,621	66.0	319	67.2	24,582	
		Washington	3,427,926	28.8	135	28.4	25,392	
		Other	619,871	5.2	21	4.4	29,518	

			11,889,418					
	1996	Alaska	6,599,180	67.4	321	67.3	20,558	
		Washington	2,682,861	27.4	133	27.9	20,172	
		Other	508,402	5.2	23	4.8	22,104	

			9,790,443					
	1997	Alaska	5,215,966	65.4	281	65.3	18,562	
		Washington	2,331,771	29.2	128	29.8	18,217	
		Other	427,817	5.4	21	4.9	20,372	

			7,975,554					
	1998	Alaska	4,737,668	63.8	247	64.5	19,181	
		Washington	2,264,455	30.5	115	30.0	19,691	
		Other	421,304	5.7	21	5.5	20,062	

			7,423,427					
	1999	Alaska	NA	NA	NA	NA	NA	
		Washington						
		Other						
	2000	Alaska	7,495,096	96.3	389	96.5	19,268	
		Washington	291,517	3.7	14	3.5	20,823	
		Other	0	0.0	0	0.0	0	

			7,786,613		403			
2001	Alaska	6,942,029	95.8	383	96.5	18,125		
	Washington	305,593	4.2	13	3.3	23,507		
	Other	1,716	0.0	1	0.3	1,716		

		7,249,338		397				
2002	Alaska	6,746,992	95.4	386	95.8	17,479		
	Washington	322,460	4.6	16	4.0	20,154		
	Other	1,427	0.0	1	0.2	1,427		

		7,070,879		403				
2003	Alaska	7,444,584	50.2	380	48.0	19,591		
	Washington	319,115	2.2	9	1.1	35,457		
	Other	0	0.0	0	0.0	0		

		14,834,578		792				
2004	Alaska	7,495,096	96.3	380	97.7	19,724		
	Washington	291,517	3.7	9	2.3	32,391		
	Other	0	0.0	0	0.0	0		

		7,786,613		389				

Table 12-5 continued. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner: 1995-2006

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Southeast Cont.	2005	Alaska	7,509,984	96.5	363	97.1	20,689
		Washington	276,081	3.5	11	2.9	25,098
		Other	0	0.0	0	0.0	0

			7,786,065		374		
	2006	Alaska	7,446,801	96.6	356	97.0	20,918
Washington		264,605	3.4	11	3.0	24,055	
Other		0	0.0	0	0.0	0	

		7,711,406		367			
W. Yakutat	1995	Alaska	2,726,073	34.2	150	53.4	18,174
		Washington	4,605,397	57.8	105	37.4	43,861
		Other	635,118	8.0	26	9.3	24,428

			7,966,588				
	1996	Alaska	2,064,312	33.9	147	52.3	14,043
		Washington	3,605,995	59.2	113	40.2	31,911
		Other	425,062	7.0	21	7.5	20,241

			6,095,369				
	1997	Alaska	1,696,122	34.3	135	52.9	12,564
		Washington	2,921,421	59.0	105	41.2	27,823
		Other	332,902	6.7	15	5.9	22,193

			4,950,445				
	1998	Alaska	1,612,739	34.6	118	52.2	13,667
		Washington	2,694,728	57.8	90	39.8	29,941
		Other	352,085	7.6	18	8.0	19,560

			4,659,552				
1999	Alaska	NA	NA	NA	NA	NA	
	Washington						
	Other						
2000	Alaska	4,072,715	96.2	236	93.7	17,257	
	Washington	160,774	3.8	15	6.0	10,718	
	Other	900	0.0	1	0.4	900	

		4,234,389		252			
2001	Alaska	3,750,812	96.8	232	93.2	16,167	
	Washington	124,846	3.2	17	6.8	7,344	
	Other		0.0		0.0	0	

		3,875,658		249			
2002	Alaska	3,621,028	97.8	245	96.1	14,780	
	Washington	79,245	2.1	9	3.5	8,805	
	Other	2,380	0.1	1	0.4	2,380	

		3,702,653		255			
2003	Alaska	4,294,710	97.3	229	95.8	18,754	
	Washington	121,350	2.7	10	4.2	12,135	
	Other	0	0.0	0	0.0	0	

		4,416,060		239			

**Table 12-5 continued. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner:
1995-2006**

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
W. Yakutat Cont.	2004	Alaska	4,072,715	96.2	236	93.7	17,257
		Washington	160,774	3.8	15	6.0	10,718
		Other	900	0.0	1	0.4	900

			4,234,389		252		
	2005	Alaska	4,824,061	96.8	216	93.1	22,334
		Washington	160,345	3.2	16	6.9	10,022
		Other	0	0.0	0	0.0	0

		4,984,406		232			
2006	Alaska	4,191,547	96.5	210	92.5	19,960	
	Washington	150,195	3.5	17	7.5	8,835	
	Other	0	0.0	0	0.0		

		4,341,742		227			
C. Gulf	1995	Alaska	5,586,565	40.0	263	59.8	21,242
		Washington	6,827,064	48.9	134	30.5	50,948
		Other	1,551,751	11.1	43	9.8	36,087

			13,965,380				
	1996	Alaska	4,946,704	41.9	230	60.1	21,507
		Washington	5,953,167	50.4	125	32.6	47,625
		Other	915,481	7.7	28	7.3	32,696

			11,815,352				
	1997	Alaska	4,627,198	42.3	211	59.8	21,930
		Washington	5,549,763	50.7	115	32.6	48,259
		Other	772,786	7.1	27	7.6	28,622

			10,949,747				
	1998	Alaska	4,855,073	45.1	199	61.6	24,397
		Washington	5,106,747	47.5	102	31.6	50,066
		Other	792,604	7.4	22	6.8	36,027

		10,754,424					
1999	Alaska	NA	NA	NA	NA	NA	
	Washington						
	Other						
2000	Alaska	9,512,423	94.8	334	96.8	28,480	
	Washington	524,629	5.2	11	3.2	47,694	
	Other	0	0.0	0	0.0	0	

		10,037,052		345			
2001	Alaska	8,768,049	94.3	334	95.7	26,252	
	Washington	527,455	5.7	15	4.3	35,164	
	Other	0	0.0	0	0.0	0	

		9,295,504		349			

Table 12-5 continued. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner: 1995-2006

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
C. Gulf Cont.	2002	Alaska	9,173,672	95.8	328	96.8	27,969
		Washington	397,461	4.2	11	3.2	36,133
		Other	0	0.0	0	0.0	0

			9,571,133		339		
	2003	Alaska	10,549,810	93.8	335	98.2	31,492
		Washington	701,692	6.2	6	1.8	116,949
		Other	0	0.0	0	0.0	0

			11,251,502		341		
	2004	Alaska	9,512,423	94.8	334	96.5	28,480
		Washington	524,629	5.2	12	3.5	43,719
		Other	0	0.0	0	0.0	0

			10,037,052		346		
	2005	Alaska	11,772,174	93.4	317	96.4	37,136
		Washington	825,281	6.6	12	3.6	68,773
		Other	0	0.0	0	0.0	0

			12,597,455		329		
2006	Alaska	10,334,993	92.8	324	96.4	31,898	
	Washington	800,962	7.2	12	3.6	66,747	
	Other	0	0.0	0	0.0	0	

		11,135,955		336			
W. Gulf	1995	Alaska	809,122	20.6	42	35.0	19,265
		Washington	2,607,130	66.5	62	51.7	42,050
		Other	505,105	12.9	16	13.3	31,569

			3,921,357				
	1996	Alaska	835,011	23.4	44	37.0	18,978
		Washington	2,303,369	64.5	63	52.9	36,561
		Other	433,987	12.1	12	10.1	36,166

			3,572,367				
	1997	Alaska	692,750	22.8	44	38.3	15,744
		Washington	2,005,476	65.9	61	53.0	32,877
		Other	346,760	11.4	10	8.7	34,676

			3,044,986				
	1998	Alaska	714,040	23.7	39	37.1	18,309
		Washington	1,963,287	65.1	53	50.5	37,043
		Other	337,547	11.2	13	12.4	25,965

			3,014,874				
1999	Alaska	NA	NA	NA	NA	NA	
	Washington						
	Other						

2000	Alaska	2,602,664	83.8	114	93.4	22,830	
	Washington	503,278	16.2	8	6.6	62,910	

Table 12-5 continued. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner: 1995-2006

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
W. Gulf Cont.	2000	Other	0	0.0	0	0.0	0
			----- 3,105,942		122		
	2001	Alaska	3,108,650	91.7	107	93.0	29,053
		Washington	279,724	8.3	8	7.0	34,966
		Other	0	0.0	0	0.0	0
			----- 3,388,374		115		
	2002	Alaska	3,216,492	82.2	121	97.6	26,583
		Washington	695,567	17.8	3	2.4	231,856
		Other	0	0.0	0	0.0	0
			----- 3,912,059		124		
	2003	Alaska	3,537,895	83.6	114	94.2	31,034
		Washington	695,567	16.4	7	5.8	99,367
		Other	0	0.0	0	0.0	0
			----- 4,233,462		121		
	2004	Alaska	2,602,664	83.8	114	93.4	22,830
		Washington	503,278	16.2	8	6.6	62,910
		Other	0	0.0	0	0.0	0
			----- 3,105,942		122		
2005	Alaska	3,119,713	77.8	113	94.2	27,608	
	Washington	887,983	22.2	7	5.8	126,855	
	Other	0	0.0	0	0.0	0	
		----- 4,007,696		120			
2006	Alaska	3,621,543	80.3	114	93.4	31,768	
	Washington	887,983	19.7	8	6.6	110,998	
	Other	0	0.0	0	0.0	0	
		----- 4,509,526		122			
Bering Sea	1995	Alaska	365,720	37.2	27	33.8	13,545
		Washington	565,099	57.5	45	56.3	12,558
		Other	51,352	5.2	8	10.0	6,419
			----- 982,171				
	1996	Alaska	292,755	41.6	27	36.0	10,843
		Washington	371,832	52.9	41	54.7	9,069
		Other	38,502	5.5	7	9.3	5,500
			----- 703,089				
	1997	Alaska	228,855	40.0	25	40.3	9,154
		Washington	313,804	54.8	33	53.2	9,509
		Other	29,920	5.2	4	6.5	7,480
			----- 572,579				

**Table 12-5 continued. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner:
1995-2006**

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Bering Sea Cont.	1998	Alaska	213,867	36.9	21	37.5	10,184
		Washington	340,909	58.8	31	55.4	10,997
		Other	25,021	4.3	4	7.1	6,255

			579,797				
	1999	Alaska	NA	NA	NA	NA	NA
		Washington					
		Other					
	2000	Alaska	630,577	92.0	56	96.6	11,260
		Washington	55,105	8.0	2	3.4	27,553
		Other	0	0.0	0	0.0	0

			685,682		58		
	2001	Alaska	795,688	99.9	49	98.0	16,239
		Washington	1,041	0.1	1	2.0	1,041
		Other	0	0.0	0	0.0	0

			796,729		50		
	2002	Alaska	1,167,426	99.8	45	95.7	25,943
		Washington	2,470	0.2	2	4.3	1,235
		Other	0	0.0	0	0.0	0

			1,169,896		47		
	2003	Alaska	1,207,792	100.0	53	100.0	22,789
Washington		0	0.0	0	0.0	0	
Other		0	0.0	0	0.0	0	

		1,207,792		53			
2004	Alaska	630,577	92.0	56	96.6	11,260	
	Washington	55,105	8.0	2	3.4	27,553	
	Other	0	0.0	0	0.0	0	

		685,682		58			
2005	Alaska	1,222,078	99.5	57	96.6	21,440	
	Washington	5,615	0.5	2	3.4	2,808	
	Other	0	0.0	0	0.0	0	

		1,227,693		59			
2006	Alaska	1,590,333	75.2	58	96.7	27,420	
	Washington	524,629	24.8	2	3.3	262,315	
	Other	0	0.0	0	0.0	0	

		2,114,962		60			

**Table 12-5 continued. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner:
1995-2006**

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest	
Aleutians	1995	Alaska	401,147	21.1	19	26.0	21,113	
		Washington	1,132,752	59.5	43	58.9	26,343	
		Other	369,215	19.4	11	15.1	33,565	

			1,903,114					
	1996	Alaska	306,462	26.3	24	32.9	12,769	
		Washington	798,807	68.4	41	56.2	19,483	
		Other	61,920	5.3	8	11.0	7,740	

			1,167,189					
	1997	Alaska	305,726	26.9	19	29.2	16,091	
		Washington	674,078	59.3	38	58.5	17,739	
		Other	157,289	13.8	8	12.3	19,661	

			1,137,093					
	1998	Alaska	295,727	33.1	17	36.2	17,396	
		Washington	572,255	64.0	24	51.1	23,844	
		Other	26,641	3.0	6	12.8	4,440	

			894,623					
	1999	Alaska	NA	NA	NA	NA	NA	
		Washington						
		Other						
	2000	Alaska	1,769,521	99.7	52	98.1	34,029	
		Washington	5,306	0.3	1	1.9	5,306	
		Other	0	0.0	0	0.0	0	

			1,774,827		53			
2001	Alaska	1,744,816	99.7	55	98.2	31,724		
	Washington	4,740	0.3	1	1.8	4,740		
	Other	0	0.0	0	0.0	0		

		1,749,556		56				
2002	Alaska	1,608,549	94.1	45	95.7	35,746		
	Washington	101,451	5.9	2	4.3	50,726		
	Other	0	0.0	0	0.0	0		

		1,710,000		47				
2003	Alaska	1,966,385	100.0	46	100.0	42,748		
	Washington	0	0.0	0	0.0	0		
	Other	0	0.0	0	0.0	0		

		1,966,385		46				

Table 12-5 continued. Sablefish Harvest (pounds) by Area, Year, and State of QS Owner: 1995-2006

Area	Year	State of Residence of QS Owner	Total Harvest	Percent of Area Harvest	Persons With Landings	Pct. of Total Persons	Average Annual Harvest
Aleutians Cont.	2004	Alaska	1,769,521	99.7	52	98.1	34,029
		Washington	5,306	0.3	1	1.9	0
		Other	0	0.0	0	0.0	0

			1,774,827		53		
	2005	Alaska	2,028,808	97.2	45	97.8	45,085
		Washington	57,795	2.8	1	2.2	0
		Other	0	0.0	0	0.0	0

			2,086,603		46		
	2006	Alaska	1,430,024	92.7	45	95.7	31,778
		Washington	111,871	7.3	2	4.3	0
Other		0	0.0	0	0.0	0	

		1,541,895		47			

12.2 Harvests by QS Owners and Hired Skippers

Table 12-5 provides data on harvests by QS owners and hired skippers. The IFQ program rules allow some QS holders to employ a “hired skipper” to harvest the IFQ associated with their QS.

For example, in all management areas except Southeast, an individual who received an initial QS allocation in the catcher vessel categories does not have to be on board the vessel and sign IFQ landing reports if that individual has at least a 20% ownership interest in the vessel on which the IFQ are harvested, and the individual is represented on the vessel by a hired skipper.

⁵⁸ Because this exemption is confined to initial issuees only, the number of fishing operations where hired skippers are allowed should decrease over time as initial issuees transfer their QS holdings.

Persons who hold freezer vessel QS may use hired skippers to operate the vessels and sign IFQ landing reports in any management area, and they do not have to own the vessel that’s used in the fishing operation.⁵⁹

Corporations or partnerships that received an initial catcher vessel QS allocation may use their IFQ if they own the vessel on which the IFQ is fished and they are represented on the vessel by a “master,” or skipper, who is an employee of the corporation or partnership. In the Southeast area the corporation or partnership can use a hired skipper to fish only those QS that were received as an initial allocation.⁶⁰

⁵⁸ See 50 CFR 679.42(i). These new minimum ownership regulations were first implemented by NMFS-RAM in 1998. They also provide for some “grandfathered” privileges whereby some initial QS holders who had used a hired skipper prior to April 17, 1997 can continue to do so, even if their ownership interest is less than 20%.

⁵⁹ CFR 679.42 (c) and (i).

⁶⁰ See 50 CFR 679.42 (j).

A hired skipper is defined in this analysis as a person who makes a landing and signs an IFQ report for the harvest of someone else's IFQ. It is a common practice in the sablefish fishery for two or more IFQ holders to fish together and harvest each person's IFQ from a single vessel, which is usually owned by one of the partners. If each partner records their delivery using their own IFQ permit card then this does not constitute a "hired skipper" in this analysis.

Some "hired skippers," as identified herein, may actually be *de facto* QS lease arrangements. The regulatory requirement that the initial QS holder own at least 20% of the vessel that is being used to harvest the IFQ was meant to discourage leasing of QS. However, this regulation was only implemented by NMFS-RAM in 1998. In prior years, the regulation was not specific concerning the percentage ownership interest that the QS holder needed to have.

There apparently have been cases where an initial catcher vessel QS holder has purchased a small percentage ownership interest in a vessel and then the skipper of that vessel fished all of the person's IFQ.

While the Council wanted to provide for hired skippers, it did not want to expand the leasing privilege. The Council adopted a proposed regulation for a 20% minimum vessel ownership percentage in September, 1997 in order to constrain this practice. NMFS-RAM, acting on the Council's intent, implemented the rule in 2006.⁶¹

The data indicate a substantial amount of the sablefish harvest was taken by hired skippers, especially in the westward management areas. Note that more restrictive rules in the Southeast area probably kept the number of operations with hired skippers lower than other areas. In the other management areas there has been a considerable increase between 1995 and 2006 in the amount of harvest taken by hired skippers. For example, in 1995 in the Central Gulf, 65 hired skippers were credited with taking 15.4% of the catch. In each following year, the number of hired skippers and their percentage of the catch increased until 2006 when 172 hired skippers took 71.7% of the area catch.

NMFS-RAM landing records for corporations or partnerships should show IFQ permit identifiers for hired skippers. However, in some instances, landings records on the NMFS-RAM database show IFQ identifiers for corporations or partnerships rather than employed "masters," or skippers. Although it is not possible for a non-human corporate entity to actually skipper a vessel, this anomaly makes counting hired skippers on the NMFS data difficult. Therefore, the actual number of hired skippers is probably underestimated in Tables 12-5 and 12-6.

⁶¹ At their September 1997 meeting in Seattle, the Council adopted a proposal requiring initial recipients of catcher vessel QS who wanted to use a designated skipper to hold a 20% ownership interest in any vessel used by their hired skipper. Some "grandfathered" privileges are included in the new rule that will allow some initial QS holders who had used a hired skipper prior to April 17, 1997 to continue to use a hired skipper on a vessel where they have a smaller ownership interest. NMFS-RAM began implementing the Council's intent in 1998. (See page 6, *The IFQ Program: 1998 Report To The Fleet* published by NMFS-RAM in February 1998.) These rules were incorporated into regulations as 50 CFR 679.42 9(i)(1) and 50 CFR 679.42(j).

Table 12-6 illustrates the same information as Table 12-5, except it is broken out by vessel category. The table shows that the rate of use of hired skippers and the percent of harvest taken by operations with hired skippers increased from 1995 to 2006 in nearly all vessel categories. Freezer vessels have high rates of use of hired skippers, which is likely related to the more liberal program rules for hired skippers aboard freezer vessels.

Table 12-6. Sablefish Harvest by QS Owners and Hired Skippers, 1995 to 2006

Area	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
Southeast	1995	453	11,184,466	94.1	25	704,952	5.9	11,889,418
	1996	439	8,804,283	89.9	43	986,160	10.1	9,790,443
	1997	394	6,986,876	87.6	50	988,678	12.4	7,975,554
	1998	346	6,369,249	85.8	52	1,054,178	14.2	7,423,427
	1999	337	5,795,540	84.0	49	1,104,006	16.0	6,899,546
	2000	334	6,480,618	83.2	56	1,305,995	16.8	7,786,613
	2001	337	6,005,776	82.8	54	1,243,562	17.2	7,249,338
	2002	340	5,924,010	83.8	49	1,146,869	16.2	7,070,879
	2003	334	6,542,868	84.4	48	1,211,227	15.6	7,754,095
	2004	334	6,899,589	84.4	47	1,271,935	15.6	8,171,524
2005	324	6,580,082	84.4	49	1,214,503	15.6	7,794,585	
2006	314	6,505,870	84.4	51	1,205,536	15.6	7,711,406	
W. Yakutat	1995	252	7,359,101	92.4	33	607,487	7.6	7,966,588
	1996	223	4,491,856	73.7	66	1,603,513	26.3	6,095,369
	1997	185	2,762,060	55.8	76	2,188,385	44.2	4,950,445
	1998	159	2,164,952	46.5	79	2,494,600	53.5	4,659,552
	1999	147	1,841,969	46.8	85	2,093,013	53.2	3,934,982
	2000	143	1,785,665	42.2	99	2,448,724	57.8	4,234,389
	2001	136	1,638,390	42.3	100	2,231,528	57.7	3,869,918
	2002	145	1,673,119	45.2	100	2,029,534	54.8	3,702,653
	2003	134	2,037,400	46.1	96	2,378,660	53.9	4,416,060
	2004	134	2,152,522	44.2	92	2,722,162	55.8	4,874,684
2005	118	1,870,925	37.5	104	3,113,481	62.5	4,984,406	
2006	112	1,596,243	36.9	98	2,727,609	63.1	4,323,852	
C. Gulf	1995	374	11,818,775	84.6	65	2,146,605	15.4	13,965,380
	1996	285	6,899,237	58.4	101	4,916,115	41.6	11,815,352
	1997	242	5,238,065	47.8	121	5,711,682	52.2	10,949,747
	1998	203	4,058,081	37.7	134	6,696,343	62.3	10,754,424
	1999	186	3,828,147	39.4	129	5,899,748	60.6	9,727,895
	2000	197	3,552,255	35.4	158	6,484,548	64.6	10,036,803
	2001	203	2,916,260	31.4	142	6,379,244	68.6	9,295,504
	2002	197	3,293,470	34.4	138	6,273,112	65.6	9,566,582
	2003	195	3,735,494	33.2	150	7,516,008	66.8	11,251,502
	2004	183	4,112,891	32.4	153	8,600,218	67.6	12,713,109
2005	172	3,820,365	30.3	162	8,777,090	69.7	12,597,455	
2006	169	3,145,265	28.3	172	7,971,077	71.7	11,116,342	
W. Gulf	1995	86	3,124,314	79.7	32	797,043	20.3	3,921,357
	1996	72	1,917,676	53.7	49	1,654,691	46.3	3,572,367
	1997	53	939,615	30.9	66	2,105,371	69.1	3,044,986
	1998	44	773,867	25.7	61	2,241,007	74.3	3,014,874
	1999	43	900,274	29.4	55	2,161,809	70.6	3,062,083
	2000	50	894,440	28.8	68	2,211,502	71.2	3,105,942
	2001	45	826,525	24.4	65	2,561,849	75.6	3,388,374
	2002	56	1,007,532	26.1	70	2,859,848	73.9	3,867,380
	2003	55	1,008,293	23.8	70	3,225,169	76.2	4,233,462
	2004	43	899,529	19.2	76	3,793,257	80.8	4,692,786
2005	43	677,889	16.2	70	3,507,518	83.8	4,185,407	
2006	43	721,458	16.0	85	3,788,068	84.0	4,509,526	
Bering Sea	1995	56	707,927	72.1	23	274,244	27.9	982,171
	1996	31	208,247	29.6	44	494,842	70.4	703,089
	1997	23	158,548	27.7	40	414,031	72.3	572,579
	1998	18	152,818	26.4	37	426,979	73.6	579,797
	1999	16	116,310	18.6	38	509,724	81.4	626,034
	2000	12	100,064	14.6	50	585,618	85.4	685,682
	2001	16	233,211	29.3	38	563,518	70.7	796,729
	2002	18	218,511	18.7	41	951,385	81.3	1,169,896
2003	18	474,136	39.3	41	733,656	60.7	1,207,792	

Table 12-6 continued. Sablefish Harvest by QS Owners and Hired Skippers, 1995 to 2006

Area	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
Bering Sea Cont.	2004	16	371,406	32.3	38	779,842	67.7	1,151,248
	2005	22	480,188	39.1	40	747,505	60.9	1,227,693
	2006	19	556,240	34.6	44	1,052,673	65.4	1,608,913
Aleutians	1995	49	1,021,128	53.7	24	881,986	46.3	1,903,114
	1996	37	458,001	39.2	38	709,188	60.8	1,167,189
	1997	24	278,451	24.5	42	858,642	75.5	1,137,093
	1998	11	291,452	32.6	35	603,171	67.4	894,623
	1999	16	182,812	16.7	36	911,485	83.3	1,094,297
	2000	18	341,273	19.2	43	1,433,554	80.8	1,774,827
	2001	11	284,620	16.3	46	1,464,936	83.7	1,749,556
	2002	12	327,428	19.1	46	1,382,572	80.9	1,710,000
	2003	15	400,357	20.4	45	1,566,028	79.6	1,966,385
	2004	14	499,841	24.0	37	1,584,473	76.0	2,084,314
	2005	14	666,996	32.0	36	1,419,607	68.0	2,086,603
	2006	12	392,538	25.5	38	1,149,357	74.5	1,541,895

Table 12-7. Sablefish Harvests by QS Owners and Hired Skippers, 1995-2006, by Vessel Category

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest	
Southeast	Freezer	1995	23	C	C	2	C	C	1,035,543	
		1996	17	409,560	45.1	12	498,284	54.9	907,844	
		1997	18	356,069	50.9	10	343,582	49.1	699,651	
		1998	19	327,489	61.5	12	205,424	38.5	532,913	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	15	267,190	38.5	14	427,134	61.5	694,324	
		2001	17	250,903	37.3	14	421,982	62.7	672,885	
		2002	17	274,724	41.6	15	386,278	58.4	661,002	
		2003	20	296,550	40.9	15	429,270	59.1	725,820	
		2004	19	323,012	43.4	12	420,613	56.6	743,625	
		2005	14	219,264	30.2	17	505,645	69.8	724,909	
	2006	12	179,463	25.1	20	536,402	74.9	715,865		
	GT 60 ft.	1995	73	2,261,040	91.2	12	219,394	8.8	2,480,434	
		1996	71	1,779,938	87.9	15	245,282	12.1	2,025,220	
		1997	60	1,339,630	82.4	20	286,418	17.6	1,626,048	
		1998	54	1,128,941	72.8	23	421,549	27.2	1,550,490	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	47	1,131,551	71.8	21	444,880	28.2	1,576,431	
		2001	45	1,015,739	70.4	21	427,310	29.6	1,443,049	
		2002	49	1,026,070	71.3	18	413,695	28.7	1,439,765	
		2003	47	1,140,430	74.6	17	387,455	25.4	1,527,885	
		2004	45	1,226,038	73.5	17	442,880	26.5	1,668,918	
		2005	50	1,256,074	79.2	14	329,400	20.8	1,585,474	
		2006	46	1,273,904	80.3	14	311,571	19.7	1,585,475	
		LE 60 ft.	1995	364	8,164,594	97.5	11	208,847	2.5	8,373,441
			1996	356	6,614,785	96.5	19	242,594	3.5	6,857,379
			1997	324	5,291,177	93.7	24	358,678	6.3	5,649,855
	1998		284	4,912,819	92.0	23	427,205	8.0	5,340,024	
	1999		NA	NA	NA	NA	NA	NA	NA	
	2000		272	5,081,877	92.1	21	433,981	7.9	5,515,858	
	2001		275	4,739,134	92.3	19	394,270	7.7	5,133,404	
	2002		274	4,623,216	93.0	16	346,896	7.0	4,970,112	
	2003		267	5,105,888	92.8	16	394,502	7.2	5,500,390	
	2004		270	5,350,539	92.9	18	408,442	7.1	5,758,981	
	2005	260	5,104,744	93.1	18	379,458	6.9	5,484,202		
	2006	256	5,052,503	93.4	17	357,563	6.6	5,410,066		
W. Yakutat	Freezer	1995	14	544,644	85.8	5	90,003	14.2	634,647	
		1996	8	185,531	37.0	14	316,425	63.0	501,956	
		1997	6	135,228	35.6	13	244,516	64.4	379,744	
		1998	10	176,112	49.0	11	182,935	51.0	359,047	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	6	111,162	32.5	13	230,711	67.5	341,873	
		2001	5	98,759	30.6	16	223,525	69.4	322,284	
		2002	6	94,028	31.2	14	206,874	68.8	300,902	
		2003	5	115,851	31.6	13	251,279	68.4	367,130	
		2004	5	69,905	18.2	13	314,380	81.8	384,285	
		2005	4	90,537	21.7	12	326,943	78.3	417,480	
	2006	4	67,493	19.2	12	283,528	80.8	351,021		
	GT 60 ft.	1995	85	4,564,866	93.1	18	336,107	6.9	4,900,973	
		1996	82	2,816,256	75.6	32	910,370	24.4	3,726,626	
		1997	62	1,607,730	53.2	42	1,415,752	46.8	3,023,482	
		1998	52	1,063,474	37.4	44	1,780,529	62.6	2,844,003	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	47	903,931	34.7	50	1,698,589	65.3	2,602,520	

Table 12-7 (continued). Sablefish Harvests by QS Owners and Hired Skippers, 1995-2006, by Vessel Category

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest		
W. Yakutat Cont.	GT 60 ft. Cont.	2001	47	774,360	32.9	50	1,577,602	67.1	2,351,962		
		2002	49	861,211	38.1	52	1,399,248	61.9	2,260,459		
		2003	49	1,064,100	39.9	48	1,603,407	60.1	2,667,507		
		2004	46	1,180,546	39.5	45	1,807,691	60.5	2,988,237		
		2005	41	944,181	31.1	53	2,094,896	68.9	3,039,077		
		2006	44	829,450	31.6	49	1,796,308	68.4	2,625,758		
	LE 60 ft.	1995	156	2,249,591	92.5	10	181,377	7.5	2,430,968		
		1996	140	1,490,069	79.8	23	376,718	20.2	1,866,787		
		1997	122	1,019,102	65.9	31	528,117	34.1	1,547,219		
		1998	104	925,366	63.5	30	531,136	36.5	1,456,502		
		1999	NA	NA	NA	NA	NA	NA	NA		
		2000	90	770,572	59.7	36	519,424	40.3	1,289,996		
		2001	84	765,271	64.0	34	430,401	36.0	1,195,672		
		2002	90	717,880	62.9	34	423,412	37.1	1,141,292		
		2003	80	857,449	62.1	35	523,974	37.9	1,381,423		
		2004	83	902,071	60.1	34	600,091	39.9	1,502,162		
		2005	73	836,207	54.7	39	691,642	45.3	1,527,849		
		2006	64	699,300	51.9	37	647,773	48.1	1,347,073		
		C. Gulf	Freezer	1995	24	1,489,651	75.4	9	485,382	24.6	1,975,033
				1996	13	392,844	23.3	22	1,295,053	76.7	1,687,897
1997	7			266,451	18	22	1,214,622	82	1,481,073		
1998	10			429,493	27.5	24	1,130,777	72.5	1,560,270		
1999	NA			NA	NA	NA	NA	NA	NA		
2000	6			180,208	11.4	25	1,401,590	88.6	1,581,798		
2001	6			115,597	8.0	26	1,326,750	92.0	1,442,347		
2002	6			181,892	12.2	25	1,312,143	87.8	1,494,035		
2003	5			145,297	8.2	27	1,626,281	91.8	1,771,578		
2004	3			C	C	28	C	C	1,990,603		
2005	3			C	C	33	C	C	1,965,461		
2006	5			83,774	4.8	30	1,661,088	95.2	1,744,862		
GT 60 ft.	1995			127	5,892,676	84.2	32	1,102,099	15.8	6,994,775	
	1996			95	3,443,193	59.9	49	2,303,697	40.1	5,746,890	
	1997			90	2,555,928	47.6	60	2,812,318	52.4	5,368,246	
	1998		68	1,680,957	32.3	77	3,525,468	67.7	5,206,425		
	1999		NA	NA	NA	NA	NA	NA	NA		
	2000		67	1,668,833	34.8	75	3,123,835	65.2	4,792,668		
	2001		67	1,207,420	27.4	67	3,203,793	72.6	4,411,213		
	2002		72	1,463,866	32.0	66	3,113,364	68.0	4,577,230		
	2003		72	1,737,762	32.4	68	3,628,897	67.6	5,366,659		
	2004		64	1,964,152	32.4	69	4,093,362	67.6	6,057,514		
	2005		62	1,805,496	30.0	70	4,204,217	70.0	6,009,713		
	2006		61	1,484,972	28.1	76	3,808,279	71.9	5,293,251		
LE 60 ft.	1995		227	4,436,448	88.8	25	559,124	11.2	4,995,572		
	1996		187	3,063,200	69.9	35	1,317,365	30.1	4,380,565		
	1997		158	2,415,686	58.9	51	1,684,742	41.1	4,100,428		
	1998		142	1,947,631	48.8	53	2,040,098	51.2	3,987,729		
	1999		NA	NA	NA	NA	NA	NA	NA		
	2000		124	1,703,214	46.5	58	1,959,123	53.5	3,662,337		
	2001		130	1,593,243	46.3	49	1,848,701	53.7	3,441,944		
2002	119		1,647,712	47.1	47	1,847,605	52.9	3,495,317			
2003	118		1,852,435	45.0	55	2,260,830	55.0	4,113,265			

**Table 12-7 continued. Sablefish Harvests by QS Owners and Hired Skippers, 1995-2006,
by Vessel Category**

Area	Vessel Category	Year	QS Owners With Landings	Harvest By QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest By Hired Skipper	Skipper Harvest % of Total	Total Harvest	
C. Gulf Cont.		2004	116	2,064,471	44.3	56	2,600,521	55.7	4,664,992	
		2005	107	1,933,645	41.8	59	2,688,636	58.2	4,622,281	
		2006	103	1,576,519	38.7	66	2,501,710	61.3	4,078,229	
W. Gulf	Freezer	1995	17	1,172,259	74.8	6	394,913	25.2	1,567,172	
		1996	10	383,507	27.4	16	1,014,560	72.6	1,398,067	
		1997	4	17,166	1.5	20	1,138,312	98.5	1,155,478	
		1998	6	80,875	7.0	21	1,076,662	93.0	1,157,537	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	4	53,673	4.4	20	1,156,741	95.6	1,210,414	
		2001	2	C	C	C	C	C	C	
		2002	5	137,580	9.1	15	1,369,235	90.9	1,506,815	
		2003	3	C	C	C	C	C	C	
		2004	2	C	C	C	C	C	C	
		2005	1	C	C	C	C	C	C	
		2006	1	C	C	C	C	C	C	
		GT 60 ft.	1995	45	1,442,395	82.0	19	315,917	18.0	1,758,312
			1996	39	1,093,474	69.1	25	489,097	30.9	1,582,571
			1997	29	668,181	50.3	33	660,979	49.7	1,329,160
			1998	24	541,486	41.3	36	768,159	58.7	1,309,645
			1999	NA	NA	NA	NA	NA	NA	NA
			2000	25	644,000	48.4	31	686,774	51.6	1,330,774
			2001	20	535,677	35.6	32	970,342	64.4	1,506,019
			2002	24	614,615	37.0	39	1,048,404	63.0	1,663,019
			2003	25	614,249	34.5	36	1,167,376	65.5	1,781,625
			2004	22	600,289	30.1	38	1,394,406	69.9	1,994,695
			2005	23	474,897	27.5	37	1,251,877	72.5	1,726,774
			2006	20	398,019	20.2	45	1,571,772	79.8	1,969,791
		LE 60 ft.	1995	28	509,660	85.5	7	86,213	14.5	595,873
			1996	25	440,695	74.5	12	151,034	25.5	591,729
			1997	23	254,268	45.4	25	306,080	54.6	560,348
			1998	18	151,506	27.7	18	396,186	72.3	547,692
			1999	NA	NA	NA	NA	NA	NA	NA
			2000	21	196,767	34.8	17	367,987	65.2	564,754
			2001	23	214,750	35.3	16	394,194	64.7	608,944
			2002	27	255,337	36.6	16	442,209	63.4	697,546
			2003	27	311,814	40.7	15	454,972	59.3	766,786
			2004	19	248,060	28.8	15	612,684	71.2	860,744
			2005	19	188,778	26.5	17	522,989	73.5	711,767
			2006	22	320,722	39.0	19	502,161	61.0	822,883

**Table 12-7 continued. Sablefish Harvests by QS Owners and Hired Skippers, 1995-2006,
by Vessel Category**

Area	Vessel Category	Year	QS Owners With Landings	Harvest By QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest By Hired Skipper	Skipper Harvest % of Total	Total Harvest	
Bering Sea	Freezer	1995	13	262,412	64.7	7	143,446	35.3	405,858	
		1996	4	49,045	18.4	16	217,171	81.6	266,216	
		1997	3	C	C	15	C	C	224,862	
		1998	9	107,924	43.0	15	143,060	57.0	250,984	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	3	C	C	24	C	C	336,600	
		2001	4	84,562	25.1	19	252,609	74.9	337,171	
		2002	3	C	C	18	C	C	614,768	
		2003	3	C	C	17	C	C	608,484	
		2004	1	C	C	19	C	C	457,281	
	2005	1	C	C	24	C	C	572,432		
	2006	1	C	C	24	C	C	772,942		
	GT 60 ft.	1995	31	392,422	83.3	8	78,860	16.7	471,282	
		1996	21	131,349	38.0	22	214,579	62.0	345,928	
		1997	14	124,371	43.5	19	161,445	56.5	285,816	
		1998	7	44,309	16.6	19	223,311	83.4	267,620	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	7	54,123	20.5	22	209,640	79.5	263,763	
		2001	7	127,756	40.0	13	191,346	60.0	319,102	
		2002	8	154,747	39.9	14	233,532	60.1	388,279	
		2003	8	333,371	77.2	13	98,280	22.8	431,651	
		2004	10	332,236	59.4	14	227,295	40.6	559,531	
	2005	13	421,742	81.6	8	95,384	18.4	517,126		
	2006	14	450,665	67.7	13	214,629	32.3	665,294		
	LE 60 ft.	1995	12	53,093	50.5	8	51,938	49.5	105,031	
		1996	7	27,853	30.6	8	63,092	69.4	90,945	
		1997	6	14,977	24.2	8	46,924	75.8	61,901	
		1998	2	C	C	6	C	C	61,193	
		1999	NA	NA	NA	NA	NA	NA	NA	
		2000	2	C	C	4	C	C	85,319	
		2001	5	20,893	14.9	6	119,563	85.1	140,456	
		2002	7	50,765	30.4	9	116,084	69.6	166,849	
		2003	7	58,407	34.8	11	109,250	65.2	167,657	
		2004	5	22,073	16.4	5	112,363	83.6	134,436	
	2005	8	41,760	30.2	8	96,375	69.8	138,135		
	2006	4	88,342	51.8	7	82,335	48.2	170,677		
	Aleutians	Freezer	1995	8	334,802	30.2	13	775,095	69.8	1,109,897
			1996	5	85,110	13.9	15	525,601	86.1	610,711
			1997	3	C	C	15	C	C	656,313
			1998	5	167,846	32.8	15	343,183	67.2	511,029
1999			NA	NA	NA	NA	NA	NA	NA	
2000			3	C	C	21	C	C	1,093,512	
2001			1	C	C	19	C	C	845,418	
2002			1	C	C	19	C	C	905,975	
2003			1	C	C	26	C	C	1,253,988	
2004			0	C	C	21	1,296,007	100.0	1,296,007	
2005		0	C	C	22	1,195,422	100.0	1,195,422		
2006		1	C	C	20	C	C	914,242		
GT 60 ft.		1995	28	619,237	87.1	9	91,541	12.9	710,778	
		1996	24	310,292	68.7	17	141,246	31.3	451,538	
		1997	16	200,078	47.1	22	224,352	52.9	424,430	
		1998	6	108,603	32.7	17	223,847	67.3	332,450	
		1999	NA	NA	NA	NA	NA	NA	NA	

- a) C indicates confidential data.
- b) NA indicates data are not available.

Table 12-7 continued. Sablefish Harvests by QS Owners and Hired Skippers, 1995-2006, by Vessel Category

Area	Vessel Category	Year	QS Owners With Landings	Harvest by QS Owners	Owner Harvest % of Total	Hired Skippers With Landings	Harvest by Hired Skipper	Skipper Harvest % of Total	Total Harvest
Aleutians Cont.	GT 60 ft.	2000	10	271,724	46.4	17	314,172	53.6	585,896
		2001	8	248,387	31.8	20	532,426	68.2	780,813
		2002	7	288,680	43.8	21	370,818	56.2	659,498
		2003	12	364,444	60.9	11	234,104	39.1	598,548
		2004	11	457,181	69.6	12	200,027	30.4	657,208
		2005	11	637,592	84.3	11	118,309	15.7	755,901
		2006	6	322,027	72.3	14	123,406	27.7	445,433
	LE 60 ft.	1995	13	C	C	2	C	C	82,439
		1996	9	62,599	59.7	7	42,341	40.3	104,940
		1997	6	18,648	33.1	9	37,702	66.9	56,350
		1998	3	C	C	5	C	C	51,144
		1999	NA	NA	NA	NA	NA	NA	NA
		2000	5	25,904	27.1	5	69,515	72.9	95,419
		2001	2	C	C	7	C	C	123,325
		2002	4	37,059	25.6	6	107,468	74.4	144,527
		2003	2	C	C	8	C	C	113,849
		2004	3	C	C	4	C	C	131,099
		2005	3	C	C	3	C	C	135,280
		2006	5	57,939	31.8	4	124,281	68.2	182,220

- a) C indicates confidential data.
- b) NA indicates data are not available.

13 Sablefish: Overharvest and Underharvest of IFQs and TACs

13.1 TACs and Harvests: 1991 to 2006

Table 13-1 provides a comparison of commercial and retained sablefish harvests in each management area with the total allowable catch (TAC) for each year from 1991 through 2006. This table shows the difference, in pounds, between the harvest and TAC and provides the percent of harvested TAC.

The 1991 to 1994 estimated harvests come from a computerized file that contains fish ticket records for catcher vessels and records derived from NMFS's Weekly Production Reports (WPRs) for catcher-processors.⁶² Harvest data for 1995 through 2006 comes from NMFS-RAM catch records. Again, both commercial and retained catch have been included in the harvest totals; therefore, harvest totals are slightly different than those shown in Tables 14-1 and 14-2.⁶³

The TACs and harvests in Table 13-1 do not include the portion of the TAC allocated to trawl operations. Also excluded are the 1995 to 2006 TACs and harvests allocated to the sablefish CDQ fishery in the Bering Sea and Aleutian Islands.

Table 13-1 indicates that estimated harvests in the 1995 through 2006 IFQ fisheries fell below the TACs in all sablefish management areas. The estimated shortfall ranged from about 0.8% in Southeast in 1997 to 50.9% in 2006 in the Aleutian Islands.

Before implementation of the IFQ program in 1995, "overages," or catches that exceeded the TAC, were common in the Southeast, West Yakutat, and Central Gulf areas. In other areas, large underharvests sometimes occurred, particularly when sablefish fisheries were closed after halibut bycatch limits were reached.

⁶²The harvest estimates in table 13-1 may not agree with sablefish harvest estimates from other data sources. Since 1990, State of Alaska fish tickets do not contain all of the sablefish catch; some Exclusive Economic Zone (EEZ) catch may be recorded only on NMFS Weekly Production Reports (WPR). The authors used fish ticket records for catcher vessels and WPR records for catcher-processors to construct the 1991-1994 sablefish catch records in table 13-1. In doing so, the authors excluded fish ticket records from catcher processors. The amount of harvest for a catcher-processor in a specific management area varies dramatically between fish ticket data and WPR data. Thus, the method of blending data used here may differ from harvest estimates from other methods of blending fish ticket and WPR data.

⁶³ Under the NMFS IFQ catch reporting system, the entire harvest is required to be offloaded and weighed during the first delivery. If a portion of the catch is "retained" by the IFQ permit holder, it is entered on the catch reporting system as "retained catch." Catch may be retained for personal use or it may be retained to sell to a different processor or customer. The subsequent sale of retained catch does not result in an additional entry on the NMFS catch reporting system; i.e., the harvest is only recorded once. Nevertheless, the system does not allow a precise breakout of catch that is sold versus catch that is kept for personal use. It is likely that some of the retained catch is subsequently sold and should be included with the commercial harvest.

Table 13-1. Comparison of Sablefish TACs and Harvest by Management Area, 1991 to 2006

Area	Year	Total Allowable Catch (TAC)	Total Area Harvest	Difference TAC (-) Harvest	Percent of TAC Harvested
Southeast	1991	10,367,226	10,848,012	-480,786	104.6
	1992	10,451,001	10,627,495	-176,494	101.7
	1993	11,372,532	12,643,296	1,270,764	111.2
	1994	14,953,937	14,042,432	911,505	93.9
	1995	12,985,212	12,007,125	978,087	92.5
	1996	10,436,188	9,823,345	612,843	94.1
	1997	8,042,381	7,980,959	61,422	99.2
	1998	7,687,440	7,598,000	89,440	98.8
	1999	7,054,720	6,910,643	144,077	98.0
	2000	7,832,944	7,786,613	46,331	99.4
	2001	7,407,456	7,249,338	158,118	97.9
	2002	7,076,766	7,070,879	5,887	99.9
	2003	7,848,376	7,763,699	84,677	98.9
	2004	8,311,342	8,172,370	138,972	98.3
	2005	7,870,422	7,796,182	74,240	99.1
2006	7,760,192	7,711,406	48,786	99.4	
W. Yakutat	1991	8,482,275	10,246,116	-1,763,841	120.8
	1992	7,833,015	9,944,545	-2,111,530	127.0
	1993	8,021,510	9,065,405	-1,043,895	113.0
	1994	10,157,787	11,639,260	-1,481,473	114.6
	1995	8,586,995	7,989,722	597,273	93.0
	1996	6,366,885	6,096,859	270,026	95.8
	1997	5,048,534	4,952,665	95,869	98.1
	1998	4,795,005	4,671,994	123,011	97.4
	1999	4,023,395	3,942,955	80,440	98.0
	2000	4,230,627	4,234,389	-3,762	100.0
	2001	3,944,029	3,875,658	68,371	98.3
	2002	3,708,137	3,702,653	5,484	99.9
	2003	4,466,520	4,416,060	50,460	98.9
	2004	4,925,076	4,874,684	50,392	99.0
	2005	5,011,056	4,984,406	26,650	99.5
2006	4,387,154	4,341,742	45,412	99.0	
C. Gulf	1991	18,651,085	20,331,346	-1,680,261	109.0
	1992	16,878,571	18,112,446	-1,233,875	107.3
	1993	16,949,119	20,365,049	-3,415,930	120.2
	1994	19,788,669	14,860,366	4,928,303	75.1
	1995	15,167,786	14,072,591	1,095,195	92.8
	1996	12,169,392	11,818,815	350,577	97.1
	1997	11,305,189	10,961,703	343,486	97.0
	1998	11,146,458	10,843,975	302,483	97.3
	1999	9,858,971	9,762,324	96,647	99.0
	2000	10,105,886	10,037,052	68,834	99.3
	2001	9,541,509	9,295,504	246,005	97.4
	2002	9,576,782	9,571,133	5,649	99.9
	2003	11,358,099	11,251,502	106,597	99.1
	2004	12,874,864	12,713,109	161,755	98.7
	2005	12,786,680	12,597,455	189,225	98.5
2006	11,234,642	11,135,955	98,687	99.1	
W. Gulf	1991	5,158,811	3,671,681	1,487,130	71.2
	1992	4,409,240	5,322,280	-913,040	120.7
	1993	3,580,303	1,540,237	2,040,066	43.0
	1994	4,038,864	598,492	3,440,372	14.8
	1995	4,585,610	3,950,818	634,792	86.2
	1996	3,880,096	3,585,286	294,810	92.4
	1997	3,280,445	3,045,866	234,579	92.8
	1998	3,245,171	3,060,082	185,089	94.3
	1999	3,209,898	3,072,512	137,386	96.0
	2000	3,245,171	3,105,942	139,229	95.7
	2001	3,544,997	3,388,374	156,623	95.6

Table 13-1. Comparison of Sablefish TACs and Harvest by Management Area, 1991 to 2006

Area	Year	Total Allowable Catch (TAC)	Total Area Harvest	Difference TAC (-) Harvest	Percent of TAC Harvested
W. Gulf Cont.	2002	3,950,643	3,867,380	83,263	97.9
	2003	4,532,658	4,233,462	299,196	93.4
	2004	5,167,582	4,692,786	474,796	90.8
	2005	4,479,747	4,185,407	294,340	93.4
	2006	4,709,026	4,509,526	199,500	95.7
Bering Sea	1991	3,417,161	1,878,196	1,538,965	55.0
	1992	1,543,234	1,249,116	294,118	80.9
	1993	1,653,465	1,436,788	216,677	86.9
	1994	595,247	617,692	-22,445	103.8
	1995	1,410,957	998,318	412,639	70.8
	1996	970,024	703,905	266,119	72.6
	1997	970,024	572,773	397,251	59.0
	1998	1,146,392	579,860	566,532	50.6
	1999	1,181,666	626,749	554,917	53.0
	2000	1,296,305	685,682	610,623	52.9
	2001	1,375,670	789,872	585,798	57.4
	2002	1,701,951	1,169,896	532,055	68.7
	2003	2,557,336	1,207,792	1,349,544	47.2
	2004	2,557,336	1,158,053	1,399,283	45.3
	2005	2,151,690	1,227,693	923,997	57.1
2006	2,486,789	1,608,913	877,876	64.7	
Aleutians	1991	5,291,088	4,234,283	1,056,805	80.0
	1992	4,960,395	3,145,105	1,815,290	63.4
	1993	4,299,009	4,263,206	35,803	99.2
	1994	4,629,702	3,069,026	1,560,676	66.3
	1995	2,910,098	1,917,782	992,316	65.9
	1996	1,587,312	1,168,273	419,039	73.6
	1997	1,587,312	1,137,281	450,031	71.6
	1998	1,825,409	895,482	929,927	49.1
	1999	1,825,409	1,095,189	730,220	60.0
	2000	3,215,189	1,774,828	1,440,361	55.2
	2001	3,306,900	1,749,556	1,557,344	52.9
	2002	3,373,920	1,710,000	1,663,920	50.7
	2003	4,100,556	1,966,385	2,134,171	48.0
	2004	4,100,556	2,084,314	2,016,242	50.8
	2005	3,465,631	2,086,603	1,379,028	60.2
2006	3,968,280	1,541,895	2,426,385	38.9	

14 Consolidation of Permit holders on Fishing Operations

The sablefish IFQ program was expected to reduce the number of fishing operations. Reducing the number of fishing operations can result in more fishing time and greater harvests for the remaining operations. A reduction in the number of fishing operations can also reduce total harvesting costs and increase the net economic value that can be generated by the fishery.

The consolidation of QS holdings is one way that the number of fishing operations is reduced under the IFQ program. This topic was examined in previous chapters. Reductions can also occur on a seasonal basis when IFQ holders combine to fish their IFQ holdings from a single vessel. This chapter examines participation by multiple permit holders upon a single vessel.

Table 14-1 examines harvest and participation by persons and vessels over the 1991 to 2006 time period for *catcher vessels* only. Catcher vessels were chosen because data on CFEC permit holders with landings over the 1991 to 1994 time period were only consistently available for catcher vessels. A “catcher vessel only” subset of observations provided a means to compare average permit holders per vessel prior to the IFQ program with average permit holders per vessel under the IFQ program. The table shows the annual harvest, the number of unique persons and vessels with landings, the number of landing days by persons and vessels, the average number of pounds landed per person and vessel, and the ratio of the number of persons with landings to the number of vessels with landings.

Since 1990, ADF&G fish tickets have not captured all the data on the sablefish catch. Some of the catch from catcher/processors in the Exclusive Economic Zone (EEZ) is only recorded on NMFS’s Weekly Production Reports (WPRs). Weekly Production Reports did not collect information on the CFEC permit holders involved in the landings over the 1991 to 1994 period.

To create a file of catcher vessels only, sablefish catcher/processor activity from 1991 to 1994 was identified on WPRs, and any corresponding activity on these vessels that had been recorded on ADF&G fish tickets was identified and eliminated. Counts of persons with landings are counts of unique CFEC permit holders with landings.

NMFS-RAM catch data were used for 1995 through 2006. These data were made consistent with 1991 to 1994 data by identifying catcher/processor harvest data and eliminating those from the NMFS-RAM catch file. Catcher/processors were identified using a combination of the NMFS-RAM Registered Buyer file, the ADF&G Intent to Operate file, and ADF&G fish tickets.⁶⁵ The remaining vessels on the NMFS-RAM file were identified as the catcher vessels for Table 14-1. As a result of this methodology,

⁶⁵ See Appendix III for more specific details on using these files to create the data set.

the 1995 to 2006 harvest by catcher vessels in Table 14-1 will differ somewhat from the 1995 to 2006 data on catcher vessels presented in Table 14-2.⁶⁶

For the 1995 to 2006 period, the counts of persons with landings represent IFQ permit holders with landings as identified on the NMFS-RAM catch data. The reader should be aware that these counts may not be strictly comparable to counts of persons with landings over the 1991 to 1994 time period based upon CFEC permit holders.

The harvest in Table 14-1 includes commercial harvests only in the fixed gear sablefish fisheries. Small amounts of non-commercial catch have been excluded. CDQ harvests from 1995 to 2006 also have been excluded.

Table 14-1 indicates that in all areas the ratio of the number of unique persons with landings to the number of unique vessels with landings rose in 1995 over the 1991-1994 average. This provides some evidence that the practice of multiple persons recording landings off a single vessel has increased since inception of the program. Through 2006, this ratio has remained above the 1991-1994 average in all areas.

Table 14-2 examines 1995 to 2006 sablefish commercial harvests by area and vessel category. This table assigns harvest to a vessel category using the QS/IFQ type used to make landings. The table includes freezer-processors; and as noted above, the catcher vessel data differ somewhat from Table 14-1 due to the different data methodologies used. Again, CDQ harvests have been excluded.

Table 14-2 shows total and mean harvests, as well as the number of persons who recorded landings. The percent of the total area harvest attributed to each vessel category is given and the percent of total persons with landings in each vessel category also is shown.

Note that some persons have landings in more than one vessel category in an area; therefore, the sum of persons with landings in each vessel category is greater than the overall unique number of persons with landings shown in Table 14-1.

⁶⁶ There is no requirement under the sablefish IFQ program for a person with harvester/processor (freezer) vessel QS to freeze or process the person's sablefish harvest. In some cases, freezer vessel catch was landed unfrozen to a floating processor or shore-based processor using freezer vessel IFQ. In Table 14-1, this catch is often counted as catcher vessel catch if the vessel was not otherwise identified as a catcher processor. In Table 14-2 the catch was assigned to freezer-processor vessels based upon the type of QS/IFQ used. Thus the catcher vessel catch in Table 14-2 is slightly different than that reported in Table 14-1.

**Table 14-1. Summary of 1991-2006 Sablefish Harvest and Participation
For All Vessels Other Than Catcher/Processors**

Area	Year	Total Harvest (pounds)	Persons With Landings	Vessels With Landings	Vessel Landing Days	Pounds per Person	Pounds per Vessel	Persons per Vessel
Southeast	1991	10,628,875	458	449	961	23,207	23,672	1.02
	1992	10,554,259	499	507	1,079	21,151	20,817	0.98
	1993	12,576,981	390	391	852	32,249	32,166	1.00
	1994	14,042,432	488	488	1,272	28,775	28,775	1.00
	1995	11,271,987	462	378	930	24,398	29,820	1.22
	1996	9,320,028	460	358	889	20,261	26,034	1.28
	1997	7,595,320	420	333	800	18,084	22,809	1.26
	1998	7,176,227	370	301	781	19,395	23,841	1.23
	1999	6,577,966	361	287	731	18,222	22,920	1.26
	2000	7,786,613	358	280	746	21,750	27,809	1.28
	2001	7,249,338	351	267	752	20,653	27,253	1.32
	2002	7,070,879	357	262	701	19,806	26,988	1.36
	2003	7,763,699	347	250	684	22,374	31,055	1.39
	2004	8,172,370	350	252	701	23,350	32,430	1.39
2005	7,796,182	340	233	701	22,930	33,460	1.46	
2006	7,711,406	332	227	701	23,227	33,971	1.46	
W. Yakutat	1991	9,104,355	211	205	347	43,149	44,411	1.03
	1992	8,795,861	267	266	466	32,943	33,067	1.00
	1993	7,556,136	198	196	343	38,162	38,552	1.01
	1994	10,476,642	246	249	470	42,588	42,075	0.99
	1995	7,500,726	266	228	371	28,198	32,898	1.17
	1996	5,567,743	253	211	317	22,007	26,387	1.20
	1997	4,715,335	244	198	305	19,325	23,815	1.23
	1998	4,399,920	213	179	281	20,657	24,581	1.19
	1999	3,721,412	208	172	263	17,891	22,692	1.27
	2000	4,234,389	193	156	240	21,940	27,144	1.24
	2001	3,875,658	185	146	248	20,950	26,546	1.27
	2002	3,702,653	190	143	231	19,488	25,893	1.33
	2003	4,416,060	178	135	216	24,809	32,712	1.32
	2004	4,874,684	179	136	251	27,233	35,843	1.32
2005	4,984,406	175	129	256	28,482	38,639	1.36	
2006	4,341,742	164	127	271	26,474	34,187	1.29	
C. Gulf	1991	19,625,278	469	455	1,142	41,845	43,132	1.03
	1992	16,583,538	618	588	1,538	26,834	28,203	1.05
	1993	16,808,127	470	462	1,120	35,762	36,381	1.02
	1994	11,660,920	572	562	1,162	20,386	20,749	1.02
	1995	12,307,979	411	326	761	29,946	37,755	1.26
	1996	9,674,187	351	290	673	27,562	33,359	1.21
	1997	9,886,607	334	279	655	29,601	35,436	1.20
	1998	9,530,960	302	246	655	31,559	38,744	1.23
	1999	9,762,324	280	228	679	30,259	37,160	1.23
	2000	10,037,052	279	228	668	35,975	44,022	1.22
	2001	9,295,504	278	225	664	33,437	41,313	1.24
	2002	9,571,133	255	208	649	37,534	46,015	1.23
	2003	11,251,502	262	204	646	42,945	55,154	1.28
	2004	12,713,109	262	192	650	48,523	66,214	1.36
2005	12,597,455	255	192	684	49,402	65,612	1.33	
2006	11,135,955	254	188	662	43,842	59,234	1.35	
W. Gulf	1991	2,849,541	104	102	143	27,399	27,937	1.02
	1992	3,973,089	110	103	223	36,119	38,574	1.07
	1993	602,266	29	29	42	20,768	20,768	1.00
	1994	297,563	18	19	26	16,531	15,661	0.95
	1995	2,470,384	99	86	143	24,953	28,725	1.15
	1996	2,336,261	95	83	131	24,592	28,148	1.14
	1997	2,085,415	98	81	139	21,280	25,746	1.21
	1998	2,010,751	83	69	131	24,226	29,141	1.20
	1999	3,062,083	76	63	134	25,872	31,211	1.21

**Table 14-1 continued. Summary of 1991-2006 Sablefish Harvest and Participation
For All Vessels Other Than Catcher/Processors**

Area	Year	Total Harvest (pounds)	Persons With Landings	Vessels With Landings	Vessel Landing Days	Pounds per Person	Pounds per Vessel	Persons per Vessel
W. Gulf Cont.	2000	3,105,942	92	76	147	33,760	40,868	1.21
	2001	3,388,374	87	74	149	38,947	45,789	1.18
	2002	3,867,380	98	74	182	39,463	52,262	1.32
	2003	4,233,462	96	74	208	44,099	57,209	1.30
	2004	4,692,786	91	73	217	51,569	64,285	1.25
	2005	4,185,407	89	75	162	47,027	55,805	1.19
	2006	4,509,526	93	74	215	48,490	60,940	1.26
Bering Sea	1991	1,372,901	87	84	163	15,780	16,344	1.04
	1992	753,239	77	72	120	9,782	10,462	1.07
	1993	597,064	41	40	133	14,563	14,927	1.03
	1994	289,080	32	31	63	9,034	9,325	1.03
	1995	728,660	65	55	85	11,210	13,248	1.18
	1996	446,943	52	47	77	8,595	9,509	1.11
	1997	423,468	48	45	84	8,822	9,410	1.07
	1998	379,272	35	33	60	10,836	11,493	1.06
	1999	626,749	27	23	81	12,152	14,265	1.17
	2000	685,682	55	51	91	12,467	13,445	1.08
	2001	796,729	48	42	114	16,599	18,970	1.14
	2002	1,169,896	50	47	138	23,398	24,891	1.06
	2003	1,207,792	49	44	170	24,649	27,450	1.11
	2004	1,158,053	46	38	139	25,175	30,475	1.21
2005	1,227,693	52	44	137	23,609	27,902	1.18	
2006	1,608,913	55	40	139	29,253	40,223	1.38	
Aleutians	1991	1,427,163	48	47	71	29,733	30,365	1.02
	1992	1,164,629	27	27	63	43,134	43,134	1.00
	1993	650,815	32	33	52	20,338	19,722	0.97
	1994	573,662	33	33	56	17,384	17,384	1.00
	1995	820,417	56	53	69	14,650	15,480	1.06
	1996	569,781	54	50	63	10,552	11,396	1.08
	1997	736,224	56	50	76	13,147	14,724	1.12
	1998	486,487	30	27	43	16,216	18,018	1.11
	1999	1,095,189	36	31	83	12,475	14,487	1.16
	2000	1,774,827	53	43	115	33,487	41,275	1.23
	2001	1,749,556	46	39	129	38,034	44,860	1.18
	2002	1,710,000	47	38	129	36,383	45,000	1.24
	2003	1,966,385	49	44	153	40,130	44,691	1.11
	2004	2,084,314	44	36	119	47,371	57,898	1.22
	2005	2,086,603	41	34	101	50,893	61,371	1.21
2006	1,541,895	42	30	87	36,712	51,397	1.40	

Table 14-2. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
Southeast	1995	Freezer	1,035,543	8.7	41,422	25	5.2
		GT 60 ft.	2,480,434	20.9	29,529	84	17.5
		LE 60 ft.	8,373,441	70.4	22,570	371	77.3
			-----				480
	1996	Freezer	907,844	9.3	34,917	26	5.4
		GT 60 ft.	2,025,220	20.7	24,110	84	17.5
		LE 60 ft.	6,857,379	70.0	18,584	369	77.0
			-----				479
	1997	Freezer	699,651	8.8	26,910	26	5.9
		GT 60 ft.	1,626,048	20.4	21,681	75	17.2
		LE 60 ft.	5,649,855	70.8	16,815	336	76.9
			-----				437
	1998	Freezer	532,913	7.2	19,033	28	7.0
		GT 60 ft.	1,550,490	20.9	21,838	71	17.8
		LE 60 ft.	5,340,024	71.9	17,860	299	75.1
			-----				398
	1999	Freezer	644,455	9.3	23,016	28	7.2
		GT 60 ft.	1,404,079	20.4	22,287	63	16.3
		LE 60 ft.	4,851,012	70.3	16,389	296	76.5
			-----				387
	2000	Freezer	694,324	8.9	11,768	59	7.6
		GT 60 ft.	1,576,431	20.2	15,608	101	13.0
		LE 60 ft.	5,515,858	70.8	8,969	615	79.4
			-----				775
	2001	Freezer	672,885	9.3	11,215	60	7.8
		GT 60 ft.	1,443,049	19.9	16,587	87	11.3
		LE 60 ft.	5,133,404	70.8	8,213	625	81.0
			-----				772
2002	Freezer	661,002	9.3	11,397	58	8.0	
	GT 60 ft.	1,439,765	20.4	15,650	92	12.7	
	LE 60 ft.	4,970,112	70.3	8,674	573	79.3	
		-----				723	
2003	Freezer	725,820	9.3	23,016	60	8.5	
	GT 60 ft.	1,537,489	19.8	22,287	88	12.5	
	LE 60 ft.	5,500,390	70.8	16,389	557	79.0	
		-----				705	

Table 14-2 continued. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons	
Southeast Cont.	2004	Freezer	743,625	9.1	23,016	67	9.2	
		GT 60 ft.	1,668,918	20.4	22,287	90	12.4	
		LE 60 ft.	5,759,827	70.5	16,389	568	78.3	
			-----	8,172,370			725	
	2005	Freezer	724,909	9.3	10,983	66	9.0	
		GT 60 ft.	1,585,474	20.3	17,423	91	12.5	
		LE 60 ft.	5,485,799	70.4	9,574	573	78.5	
			-----	7,796,182			730	
	2006	Freezer	715,865	9.3	10,527	68	9.3	
GT 60 ft.		1,585,475	20.6	17,423	91	12.4		
LE 60 ft.		5,410,066	70.2	9,458	572	78.2		
		-----	7,711,406			731		
W. Yakutat	1995	Freezer	634,647	8.0	35,258	18	6.4	
		GT 60 ft.	4,900,973	61.5	49,505	99	35.1	
		LE 60 ft.	2,430,968	30.5	14,733	165	58.5	
			-----	7,966,588			282	
	1996	Freezer	501,956	8.2	25,098	20	7.0	
		GT 60 ft.	3,726,626	61.1	34,506	108	37.6	
		LE 60 ft.	1,866,787	30.6	11,741	159	55.4	
			-----	6,095,369			287	
	1997	Freezer	379,744	7.7	21,097	18	6.7	
		GT 60 ft.	3,023,482	61.1	30,235	100	37.5	
		LE 60 ft.	1,547,219	31.3	10,384	149	55.8	
			-----	4,950,445			267	
	1998	Freezer	359,047	7.7	19,947	18	7.5	
		GT 60 ft.	2,844,003	61.0	31,253	91	38.1	
		LE 60 ft.	1,456,502	31.3	11,204	130	54.4	
			-----	4,659,552			239	
	1999	Freezer	327,993	8.3	16,400	20	8.4	
		GT 60 ft.	2,384,087	60.6	25,363	94	39.7	
LE 60 ft.		1,222,902	31.1	9,942	123	51.9		
		-----	3,934,982			237		
2000	Freezer	341,873	8.1	18,993	18	6.7		
	GT 60 ft.	2,602,520	61.5	22,244	117	43.3		
	LE 60 ft.	1,289,996	30.5	9,556	135	50.0		
		-----	4,234,389			270		
2001	Freezer	322,284	8.3	15,347	21	5.4		
	GT 60 ft.	2,351,962	60.7	19,278	122	31.5		

Table 14-2 continued. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
W. Yakutat Cont.	2001	LE 60 ft.	1,201,412	31.0	8,769	137	35.4
			-----			387	
	2002	Freezer	300,902	8.1	15,837	19	4.9
		GT 60 ft.	2,260,459	61.0	19,829	114	29.5
		LE 60 ft.	1,141,292	30.8	8,779	130	33.6
			-----	387			
	2003	Freezer	367,130	8.3	24,475	15	3.9
		GT 60 ft.	2,667,507	60.4	24,250	110	28.4
		LE 60 ft.	1,381,423	31.3	10,792	128	33.1
			-----	387			
	2004	Freezer	384,285	7.9	22,605	17	4.4
		GT 60 ft.	2,988,237	61.3	22,986	130	33.6
		LE 60 ft.	1,502,162	30.8	11,045	136	35.1
			-----	387			
	2005	Freezer	417,480	8.4	26,093	16	5.5
		GT 60 ft.	3,039,077	61.0	23,378	130	44.5
		LE 60 ft.	1,527,849	30.7	10,465	146	50.0
			-----	292			
	2006	Freezer	351,021	8.1	19,501	18	6.0
		GT 60 ft.	2,626,032	60.5	18,757	140	46.4
LE 60 ft.		1,364,689	31.4	9,477	144	47.7	
		-----	302				
C. Gulf	1995	Freezer	1,975,033	14.1	59,849	33	7.6
		GT 60 ft.	6,994,775	50.1	44,838	156	35.8
		LE 60 ft.	4,995,572	35.8	20,225	247	56.7
			-----	436			
	1996	Freezer	1,687,897	14.3	51,148	33	8.5
		GT 60 ft.	5,746,890	48.6	41,345	139	35.9
		LE 60 ft.	4,380,565	37.1	20,375	215	55.6
			-----	387			
	1997	Freezer	1,481,073	13.5	52,895	28	7.6
		GT 60 ft.	5,368,246	49.0	37,540	143	38.8
		LE 60 ft.	4,100,428	37.4	20,709	198	53.7
			-----	369			
	1998	Freezer	1,560,270	14.5	48,758	32	9.0
		GT 60 ft.	5,206,425	48.4	37,456	139	39.0
		LE 60 ft.	3,987,729	37.1	21,555	185	52.0
			-----	356			

Table 14-2 continued. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons	
C. Gulf Cont.	1999	Freezer	1,575,265	16.2	54,319	29	8.7	
		GT 60 ft.	4,607,286	47.4	34,128	135	40.3	
		LE 60 ft.	3,545,344	36.4	20,733	171	51	
			-----				-----	
			9,727,895			335		
	2000	Freezer	1,581,798	15.8	32,954	48	6.7	
		GT 60 ft.	4,792,668	47.7	15,071	318	44.2	
		LE 60 ft.	3,662,586	36.5	10,346	354	49.2	
			-----				-----	
			10,037,052			720		
	2001	Freezer	1,442,347	15.5	25,756	56	7.9	
		GT 60 ft.	4,411,213	47.5	15,424	286	40.1	
		LE 60 ft.	3,441,944	37.0	9,277	371	52.0	
			-----				-----	
			9,295,504			713		
	2002	Freezer	1,494,035	15.6	27,164	55	7.7	
		GT 60 ft.	4,577,230	47.8	15,156	302	42.4	
		LE 60 ft.	3,499,868	36.6	9,859	355	49.9	
			-----				-----	
			9,571,133			712		
	2003	Freezer	1,771,578	15.7	31,635	56	7.8	
GT 60 ft.		5,366,659	47.7	17,538	306	42.6		
LE 60 ft.		4,113,265	36.6	11,554	356	49.6		
		-----				-----		
		11,251,502			718			
2004	Freezer	1,990,603	15.7	38,281	52	7.2		
	GT 60 ft.	6,057,514	47.6	19,291	314	43.4		
	LE 60 ft.	4,664,992	36.7	13,031	358	49.4		
		-----				-----		
		12,713,109			724			
2005	Freezer	1,965,461	15.6	32,221	61	8.2		
	GT 60 ft.	6,009,713	47.7	19,512	308	41.4		
	LE 60 ft.	4,622,281	49.7	12,326	375	50.4		
		-----				-----		
		12,597,455			744			
2006	Freezer	1,744,862	15.7	29,574	59	8.0		
	GT 60 ft.	5,312,864	47.7	16,866	315	42.7		
	LE 60 ft.	4,078,229	36.6	11,235	363	49.3		
		-----				-----		
		11,135,955			737			
W. Gulf	1995	Freezer	1,567,172	40.0	68,138	23	19.2	
		GT 60 ft.	1,758,312	44.8	27,910	63	52.5	
		LE 60 ft.	595,873	15.2	17,526	34	28.3	
			-----				-----	
			3,921,357			120		
	1996	Freezer	1,398,067	39.1	55,923	25	20.3	
		GT 60 ft.	1,582,571	44.3	25,525	62	50.4	
		LE 60 ft.	591,729	16.6	16,437	36	29.3	
			-----				-----	
				3,572,367			123	

Table 14-2 continued. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
W. Gulf Cont.	1997	Freezer	1,155,478	37.9	50,238	23	18.1
		GT 60 ft.	1,329,160	43.7	21,790	61	48.0
		LE 60 ft.	560,348	18.4	13,031	43	33.9
			3,044,986			127	
	1998	Freezer	1,157,537	38.4	42,872	27	22.9
		GT 60 ft.	1,309,645	43.4	22,580	58	49.2
		LE 60 ft.	547,692	18.2	16,597	33	28.0
			3,014,874			118	
	1999	Freezer	1,213,418	16.2	54,319	20	19.2
		GT 60 ft.	1,317,715	47.4	34,128	53	51
		LE 60 ft.	530,950	36.4	20,733	31	29.8
			3,062,083			104	
	2000	Freezer	1,210,414	15.8	32,954	27	15.3
		GT 60 ft.	1,330,774	47.7	15,071	91	51.4
		LE 60 ft.	564,754	36.5	10,346	59	33.3
			3,105,942			177	
	2001	Freezer	1,273,411	15.5	25,756	20	11.7
		GT 60 ft.	1,506,019	47.5	15,424	97	56.7
		LE 60 ft.	608,944	37.0	9,277	54	31.6
			3,388,374			171	
	2002	Freezer	1,506,815	15.6	27,164	35	16.7
		GT 60 ft.	1,663,019	47.8	15,156	119	56.9
		LE 60 ft.	697,546	36.6	9,859	55	26.3
			3,867,380			209	
	2003	Freezer	1,685,051	15.7	31,635	35	15.0
		GT 60 ft.	1,781,625	47.7	17,538	126	53.8
		LE 60 ft.	766,786	36.6	11,554	73	31.2
			4,233,462			234	
2004	Freezer	1,837,347	15.7	38,281	39	16.5	
	GT 60 ft.	1,994,695	47.6	19,291	128	54.0	
	LE 60 ft.	860,744	36.7	13,031	70	29.5	
		4,692,786			237		
2005	Freezer	1,746,866	15.6	32,221	20	11.1	
	GT 60 ft.	1,726,774	47.7	19,512	102	56.7	
	LE 60 ft.	711,767	49.7	12,326	58	32.2	
		4,185,407			180		
2006	Freezer	1,716,852	15.7	29,574	47	19.0	
	GT 60 ft.	1,969,791	47.7	16,866	125	50.6	
	LE 60 ft.	822,883	36.6	11,235	75	30.4	
		4,509,526			61		

Table 14-2 continued. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
Bering Sea	1995	Freezer	405,858	41.3	21,361	19	24.4
		GT 60 ft.	471,282	48.0	12,084	39	50.0
		LE 60 ft.	105,031	10.7	5,252	20	25.6
			-----				78
	1996	Freezer	266,216	37.9	13,311	20	26.0
		GT 60 ft.	345,928	49.2	8,236	42	54.5
		LE 60 ft.	90,945	12.9	6,063	15	19.5
			-----				77
	1997	Freezer	224,862	39.3	13,227	17	27.9
		GT 60 ft.	285,816	49.9	8,932	32	52.5
		LE 60 ft.	61,901	10.8	5,158	12	19.7
			-----				61
	1998	Freezer	250,984	43.3	10,458	24	42.9
		GT 60 ft.	267,620	46.2	10,705	25	44.6
		LE 60 ft.	61,193	10.6	8,742	7	12.5
			-----				56
	1999	Freezer	303,383	48.5	10,835	28	51.9
		GT 60 ft.	264,855	42.3	12,612	21	38.9
		LE 60 ft.	57,796	9.2	11,559	5	9.3
			-----				54
	2000	Freezer	336,600	49.1	10,519	32	34.0
		GT 60 ft.	263,763	38.5	4,977	53	56.4
		LE 60 ft.	85,319	12.4	9,480	9	9.6
			-----				94
	2001	Freezer	337,171	42.3	7,493	45	38.1
		GT 60 ft.	319,102	40.1	5,909	54	45.8
		LE 60 ft.	140,456	17.6	7,392	19	16.1
			-----				118
2002	Freezer	614,768	52.5	9,916	62	43.7	
	GT 60 ft.	388,279	33.2	7,190	54	38.0	
	LE 60 ft.	166,849	14.3	6,417	26	18.3	
		-----				142	
2003	Freezer	608,484	50.4	9,814	62	35.8	
	GT 60 ft.	431,651	35.7	5,995	72	41.6	
	LE 60 ft.	167,657	13.9	4,299	39	22.5	
		-----				173	
2004	Freezer	464,086	40.1	9,874	47	33.1	
	GT 60 ft.	559,531	48.3	7,881	71	50.0	
	LE 60 ft.	134,436	11.6	5,602	24	16.9	
		-----				142	
			1,158,053				

Table 14-2 continued. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
Bering Sea Cont.	2005	Freezer	572,432	46.6	10,801	53	36.8
		GT 60 ft.	517,126	42.1	8,916	58	40.3
		LE 60 ft.	138,135	11.3	4,186	33	22.9
			-----			-----	
			1,227,693			144	
	2006	Freezer	988,635	39.8	19,012	52	35.4
GT 60 ft.		1,029,617	41.4	14,922	69	46.9	
LE 60 ft.		468,529	18.8	18,020	26	17.7	
		-----			-----		
		2,486,781			147		
Aleutians	1995	Freezer	1,109,897	58.3	52,852	21	28.8
		GT 60 ft.	710,778	37.3	19,210	37	50.7
		LE 60 ft.	82,439	4.3	5,496	15	20.5
			-----			-----	
			1,903,114			73	
	1996	Freezer	610,711	52.3	30,536	20	26.7
		GT 60 ft.	451,538	38.7	11,578	39	52.0
		LE 60 ft.	104,940	9.0	6,559	16	21.3
			-----			-----	
			1,167,189			75	
	1997	Freezer	656,313	57.7	36,462	18	26.9
		GT 60 ft.	424,430	37.3	11,790	36	53.7
		LE 60 ft.	56,350	5.0	4,335	13	19.4
			-----			-----	
			1,137,093			67	
	1998	Freezer	511,029	57.1	26,896	19	38.0
		GT 60 ft.	332,450	37.2	14,454	23	46.0
		LE 60 ft.	51,144	5.7	6,393	8	16.0
			-----			-----	
			894,623			50	
	1999	Freezer	790,931	72.3	34,388	23	41.8
		GT 60 ft.	265,897	24.3	10,636	25	45.5
		LE 60 ft.	37,469	3.4	5,353	7	12.7
			-----			-----	
		1,094,297			55		
2000	Freezer	1,093,512	61.6	31,243	35	29.2	
	GT 60 ft.	585,896	33.0	8,370	70	58.3	
	LE 60 ft.	95,419	5.4	6,361	15	12.5	
		-----			-----		
		1,774,827			120		
2001	Freezer	845,418	48.3	20,620	41	30.4	
	GT 60 ft.	780,813	44.6	10,010	78	57.8	
	LE 60 ft.	123,325	7.0	7,708	16	11.9	
		-----			-----		
		1,749,556			135		
2002	Freezer	905,975	53.0	22,097	41	30.1	
	GT 60 ft.	659,498	38.6	8,348	79	58.1	
	LE 60 ft.	144,527	8.5	9,033	16	11.8	
		-----			-----		
		1,710,000			136		

Table 14-2 continued. Summary of 1995-2006 Sablefish Harvest and Participation by Vessel Category. The Totals Include Catches by Catcher/Processors

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
Aleutians Cont.	2003	Freezer	1,253,988	63.8	16,946	74	48.1
		GT 60 ft.	598,548	30.4	9,501	63	40.9
		LE 60 ft.	113,849	5.8	6,697	17	11.0
			-----				-----
			1,966,385			154	
	2004	Freezer	1,296,007	62.2	24,923	52	41.9
		GT 60 ft.	657,208	31.5	11,530	57	46.0
		LE 60 ft.	131,099	6.3	8,740	15	12.1
			-----				-----
			2,084,314			124	
	2005	Freezer	1,119,422	57.3	29,866	40	37.7
		GT 60 ft.	755,901	36.2	15,118	50	47.2
		LE 60 ft.	135,280	6.5	8,455	16	15.1
			-----				-----
			2,086,603			106	
	2006	Freezer	914,242	59.3	21,261	43	45.7
GT 60 ft.		445,433	28.9	13,498	33	35.1	
LE 60 ft.		182,220	11.8	10,123	18	19.1	
		-----				-----	
		1,541,895			94		

15 Annual Sablefish Ex-Vessel Prices

The term “ex-vessel” refers to activities that occur when a commercial fishing vessel lands or offloads a catch. For example, the price received by a captain (at the point of landing) for unprocessed catch is an ex-vessel price.

Although fishermen often target sablefish and halibut at the same time, because of differences in market demands and fishing procedures, sablefish and halibut ex-vessel prices are neither equivalent nor generally comparable.

This chapter provides annual estimated ex-vessel prices by IFQ management area, including statewide estimates, during 1992 through 2007. The State of Alaska Commercial Fisheries Entry Commission (CFEC) is the source for these data. The commission collects summary data from permit holder fish ticket landing records. NMFS-RAM uses CFEC data for Table 15-1, which provides annual ex-vessel price estimates by management area (including statewide estimates) for the 16-year reporting period.

Estimated prices reflect all commercial delivery/condition types and weighted average ex-vessel prices reported for all fixed-gear types, including longline, troll, jig, handline, and pot. These estimates reflect catcher vessel deliveries to shoreside processors for commercial catches (IFQ Community Development Quota (CDQ) program) only and exclude harvests from discards, test fishing, confiscated catch, personal use, and other unsold harvests. CFEC also excluded small harvests and associated landings from the state waters of the Aleutian Islands, Alaska Peninsula, and Chukchi Sea during their calculations of sablefish ex-vessel prices.

In Table 15-1, prices in the Aleutian Islands reflect a narrower range in ex-vessel prices from 1992 through 2007, compared with ex-vessel prices in all other statewide areas. Prices in the Aleutian Islands ranged from a low of \$1.67 in 1993 to a peak price of \$3.60 in 1997. The Central Gulf and West Yakutat shared the widest range of prices in statewide management areas, with prices in the Central Gulf and West Yakutat ranging from \$1.63 and \$1.65, respectively, in 1993 to \$3.74 and \$3.76, respectively, in 1997.

Table 15-1 shows estimated ex-vessel prices were highest during 1997 for all IFQ management areas, except in Southeast, where the price reached \$3.79 during 2000. Western Gulf ex-vessel price of \$3.84 in 2007 was the statewide highest ex-vessel price. Over the entire 16 years, the lowest ex-vessel price was in the Central Gulf during 1993 when the estimated price was \$1.65 in the Western Gulf. Generally, ex-vessel prices rose in gradual increments in each management area, except prices declined in all areas during 1998 and 2001 and gradually rebounded.

Table 15-1 Sablefish estimated ex-vessel prices by management area and year, including annual statewide estimates, 1992–2007

Sablefish IFQ Area ¹	Year	Estimated ex-vessel price	Sablefish IFQ Area ¹	Year	Estimated ex-vessel price	Sablefish IFQ Area ¹	Year	Estimated ex-vessel price
Aleutian Islands	1992	1.88	Central Gulf Cont.	1998	2.63	Western Gulf Cont.	2004	2.99
	1993	1.67		1999	3.00		2005	3.31
	1994	1.98		2000	3.67		2006	3.89
	1995	2.99		2001	3.16		2007	3.84
	1996	3.03		2002	3.17	West Yakutat	1992	1.87
	1997	3.60		2003	3.63		1993	1.65
	1998	2.21		2004	3.09		1994	2.24
	1999	2.75	2005	3.17	1995		3.31	
	2000	3.17	2006	3.51	1996		3.27	
	2001	2.93	2007	3.30	1997		3.76	
	2002	3.09	Southeast	1992	1.93		1998	2.64
	2003	3.46		1993	1.68	1999	2.98	
	2004	2.81		1994	2.46	2000	3.73	
	2005	2.87		1995	3.18	2001	3.20	
	2006	3.55		1996	3.42	2002	3.24	
2007	3.53	1997		3.78	2003	3.67		
Bering Sea	1992	1.86		1998	2.49	2004	3.22	
	1993	1.66	1999	3.03	2005	3.24		
	1994	1.99	2000	3.79	2006	3.53		
	1995	3.04	2001	3.23	2007	3.47		
	1996	3.05	2002	3.25	Statewide	1992	1.89	
	1997	3.61	2003	3.68		1993	1.67	
	1998	2.26	2004	3.26		1994	2.36	
	1999	2.86	2005	3.50		1995	3.23	
	2000	3.54	2006	3.11		1996	3.30	
	2001	3.03	2007	2.63		1997	3.53	
	2002	2.16	Western Gulf	1992		1.90	1998	2.34
	2003	3.00		1993	1.65	1999	2.83	
	2004	2.22		1994	2.00	2000	3.53	
	2005	2.67		1995	3.21	2001	3.04	
	2006	3.26		1996	3.13	2002	3.06	
2007	2.93	1997		3.65	2003	3.46		
Central Gulf	1992	1.85		1998	2.41	2004	2.95	
	1993	1.63	1999	2.92	2005	3.14		
	1994	2.21	2000	3.65	2006	3.33		
	1995	3.30	2001	3.14	2007	3.10		
	1996	3.23	2002	3.25				
	1997	3.74	2003	3.65				

Sablefish: Appendix I

This project required resident-type designations for QS and IFQ permit holders. Resident-type was based upon addresses on NMFS-RAM demographic files at the end of each year from 1995 through 2006. Each “place,” or community, on the NMFS-RAM files was given an Urban/Rural designation and a Local/Nonlocal designation.

Decision Rules Used to Designate Urban and Rural

- (1) Urban includes all towns with 1990 U.S. Census populations of 2,500 or more.
- (2) Communities also are designated as urban even though their populations are under 2,500 if they lie within an “urbanized area.” Urbanized areas are defined as all communities and places connected by highway to urban centers with populations of 6,000 or more and lying within a 20-mile radius of the urban center (for centers from 6,000 to 20,000 population) or a 40-mile radius (for centers of more than 20,000). The radius is measured from the center of the city as denoted by the city location point on maps, rather than from the city limits. An exception to the radius rule is that the Anchorage “urbanized area” does not extend north of Knik Arm nor south of Turnagain Arm.

The cities of 6,000 to 20,000 population are Ketchikan, Kenai, Kodiak and Sitka. The cities above 20,000 are Anchorage, Fairbanks and Juneau.

Decision Rules Used to Designate Local and Non-local

Localness to halibut management areas is determined using the following rules:

- (1) If the place is a coastal community, it is local to the halibut management areas of that coastline.
- (2) If a community's border is within 25 miles of the coast, and is connected to the coast by a navigable body of water or road, it is local to the halibut management areas of that coastline.
- (3) If a community is determined to be local to a management area as defined above, and there is another management area adjacent, then localness to the adjacent area is determined by the following rule:

If the community is a coastal community, and it is within 25 straight-line miles of the adjacent area boundary, it is local to the adjacent area.

Appendix I Differences Between the 1990 Census and Census 2000 Urbanized Area Criteria

The following paragraphs provide a summary of the most important differences between the 1990 census UA criteria and the urban area criteria for Census 2000:

- The Census Bureau did not automatically recognize previously existing UA territory as part of the Census 2000 UA delineation process. There was no "grandfathering" of areas that qualified based on the results of earlier censuses.
- For Census 2000, the Census Bureau used the territory designated as UCs, rather than the entity of places that have a specified population, to determine the total urban population outside of UAs. Previously, place boundaries generally were used to determine the urban or rural classification of territory outside of UAs. With the creation of UCs, place boundaries became "invisible" when creating and classifying the cores of densely settled population agglomerations.
- Technological advances in the field of geographic information systems (GIS) during the last 10 years allowed the Census Bureau to automate the urban and rural delineation process for the first time in Census Bureau history.
- The extended city criteria were modified extensively for Census 2000. Any place that is split by a UA or UC boundary is referred to as an extended place. Previously, the extended city criteria included only sparsely settled territory within incorporated places and relied on density and area measurements to determine whether or not portions of an incorporated place were excluded from the UA. The new urban area criteria, based solely on the population density of census Block Groups (BGs) and census blocks, provide a continuum of urban areas for Census 2000.
- The Census 2000 criteria increased the allowable jump distance from 1.5 to 2.5 miles. The increase in the jump distance was proposed as a means to recognize improvements in the transportation network, and the associated changes in development patterns that reflect these improvements, coupled with governmental influence to provide additional "green space" between developments.
- The Census Bureau developed the concept of "hops" to extend the urban definition across small nonqualifying census blocks, and thereby avoid the need to designate the break in qualifying blocks as a jump. Hops between qualifying areas are less than or equal to 0.5 mile.
- For Census 2000, the area of an indentation in qualifying territory had to be four times the area of a circle with a diameter equal to the closure line of the indentation for the territory to be included in a UA or UC. Previously, an indentation only had to be two times longer than the distance across the mouth. The new criteria enabled the Census Bureau to use an automated methodology that reduced the chances of incorrectly classifying as urban, sparsely settled territory along the fringe of a core.
- The uninhabitable jump criteria were revised for Census 2000 to be more restrictive regarding the types of terrain over which an uninhabitable jump could be made. For Census 2000 only water, military reservations, national parks, and qualifying floodplains were deemed to be "exempted territory," which replaced undevelopable as the term applied to these areas.
- The UA central place and title criteria no longer follow standards predefined by other federal agencies. Previously, many UA central places and titles were based on metropolitan area (MA) central city definitions set forth by the Office of Management and Budget.
- The new MA criteria will be, and always have been, applied later than the UA criteria. To avoid creating a situation in which the 2000 UA or UC central places and titles would need to follow MA central city definitions that were established in the early 1990s, the Census 2000 criteria create an objective, zero-based approach.

- Note: U.S. Census Bureau Difference between the 1990 census and the census 2000 urbanized Area Criteria [http:// www.census.gov/geo/www/ua/uac2k_90.html](http://www.census.gov/geo/www/ua/uac2k_90.html)

Appendix II

Application for Transfer of QS/IFQ
 Restricted Access Management (RAM) Division
 Alaska Region, National Marine Fisheries Service
 P.O. Box 21668, Juneau, AK 99802-1668

Part III(a) - Additional Information (Transferor)

THE FOLLOWING QUESTIONS MUST BE ANSWERED BY THE PROPOSED TRANSFEROR

Are you using a broker to transfer this QS/IFQ (check one)? Yes No
 If your answer is "yes," please name the broker: _____

How much are you paying in broker's fees? \$ _____ (____ % of price)

What is the net price you are receiving for the QS/IFQ?
 \$ _____ /unit of QS
 \$ _____ /pound of IFQ

How is the purchase price being paid to you (circle one): Lump Sum Installment Plan

What is your reason for transferring the QS and/or the IFQ (check all that apply)?
 Retirement from the Fishery Pursue non-fishing Activities
 Health Problems Entering other fishery(ies)
 Other (explain) _____

Part III(b) - Additional Information (Transferee)

THE FOLLOWING QUESTIONS MUST BE ANSWERED BY THE PROPOSED TRANSFEREE

How did you locate this Quota Share or Individual Fishing Quota (check all that apply)?
 Relative/personal friend Advertisement/Public Notice
 Casual Acquaintance Broker
 Other Source (explain): _____

What is your relationship to the QS/IFQ Holder (check one)?
 No Relationship Personal Family Member
 Business Partner Other Friend or Relative

If this is a purchase of QS or IFQ, is the QS or IFQ being used as Collateral? Yes No
 If yes, what entity or entities hold(s) a lien against the QS or IFQ? _____
 (NMFS/RAM will neither record nor enforce the terms of liens or levies against QS and IFQ)

If this is a purchase of QS or IFQ, how are you financing the purchase (check one)?
 Personal Resources (cash) Private Bank/Credit Union
 Alaska Dep't of Commerce Ak Com. Fish & Ag. Bank
 Transferor (Seller) Processor/Fishing Company
 Other Source(explain): _____

Do you have any agreement to return the QS or IFQ to the Transferor or to otherwise dispose of (sell, give away, lease, etc.) the QS or IFQ to another person? Yes No
 If "Yes," please explain: _____

Public reporting burden for this collection is estimated to average 5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and reviewing the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Restricted Access Management Division, Alaska Region, NMFS, Box 21668, Juneau, AK 99802-1668; and to the Office of Management and Budget, Paperwork Reduction Project, Washington, D.C. 20503. OMB No. 0540-0272 Expires 08/96, Rev. 11/20/94

Figure 2
 QS Transfer Application Form - 1995

BLOCK H - REQUIRED SUPPLEMENTAL INFORMATION MUST BE FILLED OUT BY TRANSFEROR (SELLER)											
1. What is the total amount you are receiving for this QS/IFQ transaction, including all fees? Please give both amounts in units of QS & number of IFQ pounds (#). \$ _____ /Unit of QS \$ _____ /# of IFQ If you are not receiving any dollar value for this transaction, please explain in space below.											
2. Are you using a broker for this transaction? If "yes" go to question 3, if "no" go to question 4. <input type="checkbox"/> Yes <input type="checkbox"/> No											
3. How much are you paying in brokerage fees? \$ _____, or _____ % of price											
4. What are your reasons for transferring QS/IFQ (check all that apply)? <table style="width: 100%; border: none;"> <tr> <td>Retirement from fisheries <input type="checkbox"/></td> <td>Pursue non-fishing activities <input type="checkbox"/></td> <td>Health problems <input type="checkbox"/></td> </tr> <tr> <td>Shares too small to fish <input type="checkbox"/></td> <td>Trading Shares <input type="checkbox"/></td> <td>Enter other fisheries <input type="checkbox"/></td> </tr> <tr> <td>Consolidation of Shares <input type="checkbox"/></td> <td>Too far away to fish <input type="checkbox"/></td> <td>Other (explain) <input type="checkbox"/></td> </tr> </table>			Retirement from fisheries <input type="checkbox"/>	Pursue non-fishing activities <input type="checkbox"/>	Health problems <input type="checkbox"/>	Shares too small to fish <input type="checkbox"/>	Trading Shares <input type="checkbox"/>	Enter other fisheries <input type="checkbox"/>	Consolidation of Shares <input type="checkbox"/>	Too far away to fish <input type="checkbox"/>	Other (explain) <input type="checkbox"/>
Retirement from fisheries <input type="checkbox"/>	Pursue non-fishing activities <input type="checkbox"/>	Health problems <input type="checkbox"/>									
Shares too small to fish <input type="checkbox"/>	Trading Shares <input type="checkbox"/>	Enter other fisheries <input type="checkbox"/>									
Consolidation of Shares <input type="checkbox"/>	Too far away to fish <input type="checkbox"/>	Other (explain) <input type="checkbox"/>									
BLOCK I - REQUIRED SUPPLEMENTAL INFORMATION MUST BE FILLED OUT BY TRANSFEREE (BUYER)											
1. Will the QS/IFQ being purchased be used as collateral? <input type="checkbox"/> Yes <input type="checkbox"/> No											
2. If yes, what entity holds the lien?											
3. What is your primary source of financing this transfer (check one)? <table style="width: 100%; border: none;"> <tr> <td>Personal Resources (cash) <input type="checkbox"/></td> <td>Private Bank/Credit Union <input type="checkbox"/></td> <td>Alaska Dep't of Commerce <input type="checkbox"/></td> </tr> <tr> <td>AK Com. Fish & Ag. Bank <input type="checkbox"/></td> <td>Transferor (Seller) <input type="checkbox"/></td> <td>Processor/Fishing Company <input type="checkbox"/></td> </tr> <tr> <td>Received as Gift <input type="checkbox"/></td> <td colspan="2">Other (explain)</td> </tr> </table>			Personal Resources (cash) <input type="checkbox"/>	Private Bank/Credit Union <input type="checkbox"/>	Alaska Dep't of Commerce <input type="checkbox"/>	AK Com. Fish & Ag. Bank <input type="checkbox"/>	Transferor (Seller) <input type="checkbox"/>	Processor/Fishing Company <input type="checkbox"/>	Received as Gift <input type="checkbox"/>	Other (explain)	
Personal Resources (cash) <input type="checkbox"/>	Private Bank/Credit Union <input type="checkbox"/>	Alaska Dep't of Commerce <input type="checkbox"/>									
AK Com. Fish & Ag. Bank <input type="checkbox"/>	Transferor (Seller) <input type="checkbox"/>	Processor/Fishing Company <input type="checkbox"/>									
Received as Gift <input type="checkbox"/>	Other (explain)										
4. How did you locate this QS/IFQ (check all that apply)? <table style="width: 100%; border: none;"> <tr> <td>Relative/personal friend <input type="checkbox"/></td> <td>Advertisement/Public Notice <input type="checkbox"/></td> <td>Casual Acquaintance <input type="checkbox"/></td> </tr> <tr> <td>Broker <input type="checkbox"/></td> <td colspan="2">Other (explain)</td> </tr> </table>			Relative/personal friend <input type="checkbox"/>	Advertisement/Public Notice <input type="checkbox"/>	Casual Acquaintance <input type="checkbox"/>	Broker <input type="checkbox"/>	Other (explain)				
Relative/personal friend <input type="checkbox"/>	Advertisement/Public Notice <input type="checkbox"/>	Casual Acquaintance <input type="checkbox"/>									
Broker <input type="checkbox"/>	Other (explain)										
5. What is your relationship to the QS/IFQ Holder (check all that apply)? <table style="width: 100%; border: none;"> <tr> <td>No Relationship <input type="checkbox"/></td> <td>Family Member <input type="checkbox"/></td> <td>Business Partner <input type="checkbox"/></td> </tr> <tr> <td>Friend <input type="checkbox"/></td> <td colspan="2">Other (explain)</td> </tr> </table>			No Relationship <input type="checkbox"/>	Family Member <input type="checkbox"/>	Business Partner <input type="checkbox"/>	Friend <input type="checkbox"/>	Other (explain)				
No Relationship <input type="checkbox"/>	Family Member <input type="checkbox"/>	Business Partner <input type="checkbox"/>									
Friend <input type="checkbox"/>	Other (explain)										
6. Do you have an agreement to return the QS or IFQ to the Transferor (Seller)? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please explain:											

*Figure 3
QS Transfer Application Form - 1996*

**REQUIRED SUPPLEMENTAL INFORMATION
YOUR APPLICATION WILL NOT BE PROCESSED UNLESS YOU PROVIDE THE FOLLOWING INFORMATION**

BLOCK H - TO BE COMPLETED BY THE TRANSFEROR		
1. Is there a broker being used for this transaction? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If yes, how much is being paid in brokerage fees? \$ _____ or _____ % of total price.		
2. What is the total amount being paid for the QS/IFQ in this transaction, including all fees? _____		
3. Give both the price per unit of QS and the price per pound of IFQ.		
\$ _____ /Unit of QS	\$ _____ /# of IFQ	
(Price divided by QS Units)	(Price divided by IFQ pounds)	
4. What are your reasons for transferring the QS/IFQ? (check all that apply)		
Retirement from Fisheries <input type="checkbox"/>	Shares too small to fish <input type="checkbox"/>	Consolidation of shares <input type="checkbox"/>
Pursue non-fishing activities <input type="checkbox"/>	Trading Shares <input type="checkbox"/>	Other (explain) <input type="checkbox"/>
Health Problems <input type="checkbox"/>	Enter other Fisheries <input type="checkbox"/>	

BLOCK I - TO BE COMPLETED BY THE TRANSFEREE		
1. Will the QS/IFQ being purchased have a lien attached? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If Yes, Name of Lien Holder _____		
2. What is the primary source of financing for this transfer (check one)?		
<i>PS</i> Personal Resources (cash) <input type="checkbox"/>	<i>PS</i> AK Com. Fish & Ag. Bank <input type="checkbox"/>	Received as a Gift <input type="checkbox"/>
<i>PS</i> Private Bank/Credit Union <input type="checkbox"/>	Transferor/Seller <input type="checkbox"/>	Other (explain) <input type="checkbox"/>
<i>PS</i> Alaska Dept. Of Commerce <input type="checkbox"/>	Processor/Fishing Company <input type="checkbox"/>	<i>RADE</i> <input type="checkbox"/>
3. How was the QS/IFQ located (check all that apply)?		
Relative/Personal Friend <input type="checkbox"/>	Casual Acquaintance <input type="checkbox"/>	Other (explain) <input type="checkbox"/>
Advertisement/Public Notice <input type="checkbox"/>	Broker <input type="checkbox"/>	
4. What is the Buyer's relationship to the QS/IFQ Holder (check all that apply)?		
No Relationship <input type="checkbox"/>	Business Partner <input type="checkbox"/>	Other (explain) <input type="checkbox"/>
Family Member <input type="checkbox"/>	Friend <input type="checkbox"/>	
5. Is there an agreement to return the QS or IFQ to the Transferor (seller), or any other person, or a condition placed on resale? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If yes, please explain:		

**Figure 5
QS Transfer Application Form - 1998**

BLOCK H - TO BE COMPLETED BY THE TRANSFEROR	
1. Give the price per pound (including leases) \$ _____ / #IFQ (Price divided by IFQ pounds) Including fees	
Give the price per unit of QS \$ _____ / Unit of QS (Price divided by QS Units)	
2. What is the total amount being paid for the QS/IFQ in this transaction, including all fees? _____	
3. What are your reasons for transferring the QS/IFQ? (check all that apply)	
Retirement from fisheries <input type="checkbox"/>	Shares too small to fish <input type="checkbox"/>
Pursue non-fishing activities <input type="checkbox"/>	Trading shares <input type="checkbox"/>
Health problems <input type="checkbox"/>	Enter other fisheries <input type="checkbox"/>
	Consolidation of shares <input type="checkbox"/>
	Other (explain) <input type="checkbox"/>
4. Is there a broker being used for this transaction? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, how much is being paid in brokerage fees? \$ _____ or _____ % of total price.	
BLOCK I - TO BE COMPLETED BY THE TRANSFEREE	
1. Will the QS/IFQ being purchased have a lien attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, name of lien holder _____	
2. What is the primary source of financing for this transfer (check one)?	
Personal resources (cash) <input type="checkbox"/>	AK Com. Fish & Ag. Bank <input type="checkbox"/>
Private bank/credit union <input type="checkbox"/>	Transferor/seller <input type="checkbox"/>
Alaska Dept. Of Commerce <input type="checkbox"/>	Processor/fishing company <input type="checkbox"/>
	Received as a gift <input type="checkbox"/>
	NMFS loan program <input type="checkbox"/>
	Other (explain) <input type="checkbox"/>
3. How was the QS/IFQ located (check all that apply)?	
Relative <input type="checkbox"/>	Advertisement/public notice <input type="checkbox"/>
Personal friend <input type="checkbox"/>	Other (explain) <input type="checkbox"/>
	Broker <input type="checkbox"/>
4. What is the Buyer's relationship to the QS/IFQ Holder (check all that apply)?	
Unrelated <input type="checkbox"/>	Family member <input type="checkbox"/>
	Business partner <input type="checkbox"/>
	Friend <input type="checkbox"/>
Other (explain) <input type="checkbox"/>	
5. Is there an agreement to return the QS or IFQ to the Transferor (seller), or any other person, or a condition placed on resale? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please explain:	

NOTE: This application for transfer must be completed, signed, and notarized by both parties. Failure to have signatures properly notarized will result in delays in the processing of this application.

Figure 6
QS Transfer Application Form - 2008