

15 Overharvest and Underharvest of IFQs and TACs

15.1 TACs and Harvests: 1990 to 1998

Table 15-1 compares actual harvests in each management area with the total allowable catch (TAC) for each year from 1990 through 1998. It shows the difference, in pounds, between the harvest and TAC, and shows the percent of the TAC that was harvested.

The TACs in Table 15-1 are the total allowable catches for only the commercial IFQ harvest. They do not include the portion of the TACs that were set aside for CDQs in Areas 4B, 4C, 4D, and 4E. Note that the entire TAC in Area 4E is allocated to CDQs; hence, no harvests are shown for Area 4E from 1995 to 1998. The harvest data in Table 15-1 also do not include portions of the harvest that were retained by fishermen after the harvest was delivered and reported.⁷³

The 1990 through 1994 harvest data are based upon halibut fish tickets. The 1995 through 1998 data come from NMFS-RAM IFQ catch databases. Harvest data in the table include commercial catch in the IFQ fishery and exclude catches made for CDQs.

Prior to implementation of the IFQ program, “overages,” or catches that exceeded the TAC, were common. However, harvests in the IFQ fishery from 1995 to 1998 fell below the IFQ TAC in all areas. The percentage of the TAC that was harvested in the IFQ fishery ranged from 59.5% of the TAC in Area 4C in 1998 to 97.3% in Area 3B in 1997. The under-harvest decreased from 1995 to 1996 in all areas except Area 4C, and continued to decrease from 1996 to 1997 in all areas. However, in 1998, in all areas the underharvest increased.

⁷³Under the NMFS IFQ catch reporting system, the entire harvest is supposed to be offloaded and weighed when the first delivery is made. 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 another 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, this 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 15-1. Comparison of Halibut TACs and Harvest by Management Area, 1990 to 1998

Area	Year	Total Allowable Catch (TAC)	Total Area Harvest	Difference TAC (-) Harvest	Percent of TAC Harvested
2C	1990	9,500,000	9,705,514	-205,514	102.2
	1991	7,400,000	8,686,934	-1,286,934	117.4
	1992	10,000,000	9,816,892	183,108	98.2
	1993	10,000,000	11,289,516	-1,289,516	112.9
	1994	11,000,000	10,378,542	621,458	94.4
	1995	9,000,000	7,708,414	1,291,586	85.6
	1996	9,000,000	8,424,418	575,582	93.6
	1997	10,000,000	9,557,265	442,735	95.6
	1998	10,500,000	9,528,878	971,122	90.8
3A	1990	31,000,000	28,844,296	2,155,704	93.0
	1991	26,600,000	22,926,430	3,673,570	86.2
	1992	26,600,000	26,781,876	-181,876	100.7
	1993	20,700,000	22,737,512	-2,037,512	109.8
	1994	26,000,000	24,843,824	1,156,176	95.6
	1995	20,000,000	17,747,126	2,252,874	88.7
	1996	20,000,000	19,305,362	694,638	96.5
	1997	25,000,000	24,185,163	814,837	96.7
	1998	26,000,000	24,519,052	1,480,948	94.3
3B	1990	8,500,000	8,694,295	-194,295	102.3
	1991	8,800,000	11,934,312	-3,134,312	135.6
	1992	8,800,000	8,622,283	177,717	98.0
	1993	6,500,000	7,855,357	-1,355,357	120.9
	1994	4,000,000	3,860,240	139,760	96.5
	1995	3,700,000	3,147,300	552,700	85.1
	1996	3,700,000	3,493,223	206,777	94.4
	1997	9,000,000	8,754,093	245,907	97.3
	1998	11,000,000	10,568,081	431,919	96.1
4A	1990	1,800,000	2,503,281	-703,281	139.1
	1991	1,700,000	2,254,990	-554,990	132.6
	1992	2,300,000	2,699,027	-399,027	117.3
	1993	2,020,000	2,560,741	-540,741	126.8
	1994	1,800,000	1,803,462	-3,462	100.2
	1995	1,950,000	1,570,898	379,102	80.6
	1996	1,950,000	1,734,201	215,799	88.9
	1997	2,940,000	2,762,728	177,272	94.0
	1998	3,500,000	3,200,610	299,390	91.4
4B	1990	1,900,000	1,332,988	567,012	70.2
	1991	1,700,000	1,513,422	186,578	89.0
	1992	2,300,000	2,317,361	-17,361	100.8
	1993	2,300,000	1,962,364	337,636	85.3
	1994	2,100,000	2,017,108	82,892	96.1
	1995	1,848,000	1,247,323	600,677	67.5
	1996	1,848,000	1,645,932	202,068	89.1
	1997	2,784,000	2,574,988	209,012	92.5
	1998	2,800,000	2,071,879	728,121	74.0
4C	1990	600,000	529,481	70,519	88.2
	1991	600,000	678,093	-78,093	113.0
	1992	800,000	792,925	7,075	99.1
	1993	800,000	831,018	-31,018	103.9
	1994	700,000	714,882	-14,882	102.1
	1995	385,000	299,642	85,358	77.8
	1996	385,000	296,439	88,561	77.0
	1997	580,000	504,568	75,432	87.0
	1998	795,000	473,120	321,880	59.5

(Continued)

Table 15-1 (con't). Comparison of Halibut TACs and Harvest by Management Area, 1990 to 1998

Area	Year	Total Allowable Catch (TAC)	Total Area Harvest	Difference TAC (-) Harvest	Percent of TAC Harvested
4D	1990	600,000	1,005,291	-405,291	167.5
	1991	600,000	1,436,533	-836,533	239.4
	1992	800,000	727,423	72,577	90.9
	1993	800,000	836,160	-36,160	104.5
	1994	700,000	710,901	-10,901	101.6
	1995	539,000	430,815	108,185	79.9
	1996	539,000	487,140	51,860	90.4
	1997	812,000	756,980	55,020	93.2
	1998	1,113,000	842,812	270,188	75.7
4E	1990	100,000	60,355	39,645	60.4
	1991	100,000	104,297	-4,297	104.3
	1992	130,000	66,818	63,182	51.4
	1993	120,000	64,235	55,765	53.5
	1994	100,000	120,226	-20,226	120.2

15.2 Total Available IFQs and Actual Harvest by Vessel Category

Table 15-2 compares actual harvests with an estimate of the available IFQ for 1995 through 1998. The data is broken out by area and vessel category. The table also shows the total number of unique persons who recorded landings in each vessel category in the year.

Note the harvest data in Table 15-2 consists of both commercial and retained catches, whereas Table 15-1 and tables in Chapter 14 and 16 *do not* include retained catches.⁷⁴ Also please note that the available current year IFQs in this table are estimates.⁷⁵

The IFQ program rules provide for adjustments to a person's current year IFQ assignment if they overharvest or underharvest their IFQ in the previous year. If a person overharvests their IFQ, then deductions can be made from their IFQ for the next year. If a person underharvests their IFQ then they can carry-over up to 10% of the unharvested portion to the following year.⁷⁶ The total net carry-over from all QS holders is shown in Table 15-2. The carry-over in 1995 is zero because it was the first year of the IFQ program. The "estimated total available IFQs" in the table is the sum of the "estimated current year IFQs" and the previous year carry-over. The carry-over could be positive or negative.

Table 15-2 indicates that from 1995 through 1998 the harvest in nearly all vessel categories was less than the total available IFQ, but the percentage of unharvested IFQ generally decreased from 1995 to 1998, especially outside of Areas 4C and 4D.

There were often large differences between vessel categories in the percentage of harvested IFQ, especially in 1995. For example, in Area 2C in 1995 the percentage of IFQ harvested in the "35 foot or less" vessel category was 69.1%, but was 82.6% in the "greater than 60 foot" category, 88.0% in the freezer category, and 92.2% in "36 to 60 foot" category.

⁷⁴ Under the NMFS IFQ catch reporting system, the entire harvest is supposed to be offloaded and weighed when the first delivery is made. 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 another 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, this 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.

⁷⁵ The data provided by NMFS-RAM for this study do not allow for a complete accounting of IFQ. Therefore, the percentage of unharvested IFQ is also an estimate.

⁷⁶ See 50 CFR 679.40(c) and 50 CFR 679.40(e).

Table 15-2. Available IFQs and IFQs Harvested, By Area and Vessel Category

Area	Year	Vessel Category	Total Harvest	Number of Unique Harvesters	Previous Year		Total Available IFQ	IFQ Pounds Remaining	Percent IFQ Harvested
					Current Year IFQs	Year Carry-Over			
2C	1995	Freezer	163,289	19	185,520	0	185,520	22,231	88.0
		GT 60 ft.	360,350	70	436,194	0	436,194	75,844	82.6
		36-60 ft.	6,267,832	830	6,800,385	0	6,800,385	532,553	92.2
		LE 35 ft.	998,463	428	1,444,844	0	1,444,844	446,381	69.1
		AREA TOTAL	7,789,934		8,866,943	0	8,866,943	1,077,009	87.9
	1996	Freezer	183,461	19	185,116	4,837	189,953	6,492	96.6
		GT 60 ft.	384,164	66	418,463	11,987	430,450	46,286	89.2
		36-60 ft.	6,774,476	819	6,836,238	189,223	7,025,461	250,985	96.4
		LE 35 ft.	1,191,643	455	1,355,109	76,882	1,431,991	240,348	83.2
		AREA TOTAL	8,533,744		8,794,926	282,929	9,077,855	544,111	94.0
	1997	Freezer	208,201	21	211,357	4,148	215,505	7,304	96.6
		GT 60 ft.	436,635	61	458,487	9,624	468,111	31,476	93.3
		36-60 ft.	7,659,233	802	7,773,985	138,502	7,912,487	253,254	96.8
		LE 35 ft.	1,333,846	440	1,530,554	54,171	1,584,725	250,879	84.2
		AREA TOTAL	9,637,915		9,974,383	206,445	10,180,828	542,913	94.7
	1998	Freezer	204,925	23	220,247	4,846	225,093	20,168	91.0
		GT 60 ft.	440,730	59	480,033	8,116	488,149	47,419	90.3
		36-60 ft.	7,801,508	740	8,177,693	143,823	8,321,516	520,008	93.8
		LE 35 ft.	1,212,964	343	1,602,288	63,640	1,665,928	452,964	72.8
		AREA TOTAL	9,660,127		10,480,261	220,425	10,700,686	1,040,559	90.3
3A	1995	Freezer	425,102	28	447,418	0	447,418	22,316	95.0
		GT 60 ft.	6,865,146	238	7,266,673	0	7,266,673	401,527	94.5
		36-60 ft.	9,695,569	975	10,508,070	0	10,508,070	812,501	92.3
		LE 35 ft.	946,778	334	1,440,253	0	1,440,253	493,475	65.7
		AREA TOTAL	17,932,595		19,662,414	0	19,662,414	1,729,819	91.2
	1996	Freezer	510,484	29	505,965	5,534	511,499	1,015	99.8
		GT 60 ft.	7,328,504	246	7,287,996	145,963	7,433,959	105,455	98.6
		36-60 ft.	10,389,426	1,002	10,430,307	245,946	10,676,253	286,827	97.3
		LE 35 ft.	1,137,194	346	1,317,274	69,776	1,387,050	249,856	82.0
		AREA TOTAL	19,365,608		19,541,542	467,219	20,008,761	643,153	96.8

Notes: A "C" denotes confidential harvest data.
 Small amounts of personal use halibut harvest in some vessel categories are included in this table.

(Continued)

Table 15-2. Available IFQs and IFQs Harvested, By Area and Vessel Category

Area	Year	Vessel Category	Total Harvest	Number of Unique Harvesters	Current Year IFQs	Previous Year Carry-Over	Total Available IFQ	IFQ Pounds Remaining	Percent IFQ Harvested	
3A (con't)	1997	Freezer	615,150	30	646,635	677	647,312	32,162	95.0	
		GT 60 ft.	8,993,205	254	9,233,422	68,478	9,301,900	308,695	96.7	
		36-60 ft.	13,212,814	958	13,362,505	169,494	13,531,999	319,185	97.6	
		LE 35 ft.	1,456,531	363	1,735,995	43,255	1,779,250	322,719	81.9	
		AREA TOTAL	24,277,700		24,978,557	281,904	25,260,461	982,761	96.1	
	1998	Freezer	640,207	33	668,561	10,730	679,291	39,084	94.2	
		GT 60 ft.	9,356,499	252	9,609,527	104,136	9,713,663	357,164	96.3	
		36-60 ft.	13,236,842	858	13,854,772	217,422	14,072,194	835,352	94.1	
		LE 35 ft.	1,404,479	279	1,810,273	62,845	1,873,118	468,639	75.0	
		AREA TOTAL	24,638,027		25,943,133	395,133	26,338,266	1,700,239	93.5	
	3B	1995	Freezer	104,388	12	103,668	0	103,668	-720	100.7
			GT 60 ft.	1,881,344	135	2,017,147	0	2,017,147	135,803	93.3
			36-60 ft.	1,100,256	251	1,375,363	0	1,375,363	275,107	80.0
			LE 35 ft.	85,880	43	133,131	0	133,131	47,251	64.5
		AREA TOTAL	3,171,868		3,629,309	0	3,629,309	457,441	87.4	
1996		Freezer	102,424	16	103,394	-2,717	100,677	-1,747	101.7	
		GT 60 ft.	1,986,671	134	2,017,955	-4,593	2,013,362	26,691	98.7	
		36-60 ft.	1,321,722	292	1,373,858	36,604	1,410,462	88,740	93.7	
		LE 35 ft.	91,558	50	105,814	3,152	108,966	17,408	84.0	
		AREA TOTAL	3,502,375		3,601,021	32,446	3,633,467	131,092	96.4	
1997		Freezer	258,036	19	265,971	406	266,377	8,341	96.9	
		GT 60 ft.	4,900,379	147	5,000,671	-7,445	4,993,226	92,847	98.1	
		36-60 ft.	3,365,415	302	3,434,311	9,697	3,444,008	78,593	97.7	
		LE 35 ft.	248,611	51	281,658	2,915	284,573	35,962	87.4	
		AREA TOTAL	8,772,441		8,982,611	5,573	8,988,184	215,743	97.6	
1998		Freezer	322,748	18	325,110	6,664	331,774	9,026	97.3	
		GT 60 ft.	5,975,346	152	6,110,660	24,423	6,135,083	159,737	97.4	
		36-60 ft.	3,984,221	269	4,213,156	46,978	4,260,134	275,913	93.5	
		LE 35 ft.	305,558	46	343,177	5,634	348,811	43,253	87.6	
		AREA TOTAL	10,587,873		10,992,103	83,699	11,075,802	487,929	95.6	

Notes: A "C" denotes confidential harvest data.

Small amounts of personal use halibut harvest in some vessel categories are included in this table.

(Continued)

Table 15-2. Available IFQs and IFQs Harvested, By Area and Vessel Category

Area	Year	Vessel Category	Total Harvest	Number of Unique Harvesters	Current Year IFQs	Previous Year Carry-Over	Total Available IFQ	IFQ Pounds Remaining	Percent IFQ Harvested
4A	1995	Freezer	74,886	9	77,260	0	77,260	2,374	96.9
		GT 60 ft.	995,018	81	1,095,621	0	1,095,621	100,603	90.8
		36-60 ft.	415,926	56	556,754	0	556,754	140,828	74.7
		LE 35 ft.	97,839	39	143,487	0	143,487	45,648	68.2
		AREA TOTAL	1,583,669		1,873,122	0	1,873,122	289,453	84.5
	1996	Freezer	79,231	10	66,347	1,607	67,954	-11,277	116.6
		GT 60 ft.	1,029,023	91	1,084,684	-1,623	1,083,061	54,038	95.0
		36-60 ft.	518,585	64	539,511	8,263	547,774	29,189	94.7
		LE 35 ft.	108,670	38	134,625	2,878	137,503	28,833	79.0
		AREA TOTAL	1,735,509		1,825,167	11,125	1,836,292	100,783	94.5
	1997	Freezer	116,720	8	125,484	1,150	126,634	9,914	92.2
		GT 60 ft.	1,647,057	84	1,730,323	3,904	1,734,227	87,170	95.0
		36-60 ft.	803,339	71	864,143	-9,797	854,346	51,007	94.0
		LE 35 ft.	199,656	43	204,313	2,942	207,255	7,599	96.3
		AREA TOTAL	2,766,772		2,924,263	-1,801	2,922,462	155,690	94.7
	1998	Freezer	125,713	9	149,383	3,929	153,312	27,599	82.0
		GT 60 ft.	1,939,011	89	2,054,359	24,441	2,078,800	139,789	93.3
		36-60 ft.	928,605	63	1,034,699	12,885	1,047,584	118,979	88.6
		LE 35 ft.	209,902	36	256,638	1,948	258,586	48,684	81.2
		AREA TOTAL	3,203,231		3,495,079	43,203	3,538,282	335,051	90.5
4B	1995	Freezer	45,513	4	64,596	0	64,596	19,083	70.5
		GT 60 ft.	1,059,520	45	1,420,640	0	1,420,640	361,120	74.6
		36-60 ft.	142,405	10	266,796	0	266,796	124,391	53.4
		LE 35 ft.	0	1	53,140	0	53,140	53,140	0.0
		AREA TOTAL	1,247,438		1,805,172	0	1,805,172	557,734	69.1
	1996	Freezer	109,335	8	110,066	1,644	111,710	2,375	97.9
		GT 60 ft.	1,311,869	51	1,414,781	81,166	1,495,947	184,078	87.7
		36-60 ft.	225,675	15	268,012	17,775	285,787	60,112	79.0
		LE 35 ft.	0	0	52,817	5,171	57,988	57,988	0.0
		AREA TOTAL	1,646,879		1,845,676	105,756	1,951,432	304,553	84.4

Notes: A "C" denotes confidential harvest data.
 Small amounts of personal use halibut harvest in some vessel categories are included in this table.

(Continued)

Table 15-2. Available IFQs and IFQs Harvested, By Area and Vessel Category

Area	Year	Vessel Category	Total Harvest	Number of Unique Harvesters	Previous Year		Total Available IFQ	IFQ Pounds Remaining	Percent IFQ Harvested	
					Current Year IFQs	Carry-Over				
4B (con't)	1997	Freezer	158,851	8	167,011	-373	166,638	7,787	95.3	
		GT 60 ft.	1,940,458	53	2,133,262	47,447	2,180,709	240,251	89.0	
		36-60 ft.	470,656	19	404,124	8,067	412,191	-58,465	114.2	
		LE 35 ft.	5,161	5	80,659	5,658	86,317	81,156	6.0	
		AREA TOTAL	2,575,126		2,785,056	60,799	2,845,855	270,729	90.5	
	1998	Freezer	C	5	166,916	1,213	168,129	C	C	
		GT 60 ft.	1,715,682	48	2,145,521	32,856	2,178,377	462,695	78.8	
		36-60 ft.	283,490	14	406,443	8,913	415,356	131,866	68.3	
		LE 35 ft.	C	2	81,122	8,352	89,474	C	C	
		AREA TOTAL	2,072,122		2,800,002	51,334	2,851,336	779,214	72.7	
	4C	1995	Freezer	0	0	1,831	0	1,831	1,831	0.0
			GT 60 ft.	131,229	10	171,428	0	171,428	40,199	76.6
36-60 ft.			77,902	10	97,680	0	97,680	19,778	79.8	
LE 35 ft.			91,288	17	114,043	0	114,043	22,755	80.0	
		AREA TOTAL	300,419		384,982	0	384,982	84,563	78.0	
1996		Freezer	0	0	1,831	183	2,014	2,014	0.0	
		GT 60 ft.	154,225	16	157,433	2,973	160,406	6,181	96.1	
		36-60 ft.	67,923	8	79,599	4,252	83,851	15,928	81.0	
		LE 35 ft.	74,291	19	123,969	4,371	128,340	54,049	57.9	
		AREA TOTAL	296,439		362,832	11,779	374,611	78,172	79.1	
1997		Freezer	0	0	2,758	201	2,959	2,959	0.0	
		GT 60 ft.	215,864	16	236,348	3,925	240,273	24,409	89.8	
		36-60 ft.	107,731	11	119,919	-930	118,989	11,258	90.5	
		LE 35 ft.	181,331	23	220,510	9,919	230,429	49,098	78.7	
		AREA TOTAL	504,926		579,535	13,115	592,650	87,724	85.2	
1998		Freezer	0	0	3,781	296	4,077	4,077	0.0	
		GT 60 ft.	254,613	12	324,594	2,895	327,489	72,876	77.7	
		36-60 ft.	113,010	10	164,373	343	164,716	51,706	68.6	
		LE 35 ft.	105,697	14	302,250	9,056	311,306	205,609	34.0	
		AREA TOTAL	473,320		794,998	12,590	807,588	334,268	58.6	

Notes: A "C" denotes confidential harvest data.
 Small amounts of personal use halibut harvest in some vessel categories are included in this table.

(Continued)

Table 15-2. Available IFQs and IFQs Harvested, By Area and Vessel Category

Area	Year	Vessel Category	Total Harvest	Number of Unique Harvesters	Current Year IFQs	Previous Year Carry-Over	Total Available IFQ	IFQ Pounds Remaining	Percent IFQ Harvested
4D (con')	1995	Freezer	C	2	40,869	0	40,869	C.	C
		GT 60 ft.	381,116	23	457,260	0	457,260	76,144	83.3
		36-60 ft.	C	5	40,861	0	40,861	C	C
		AREA TOTAL	431,768		538,990	0	538,990	107,222	80.1
	1996	Freezer	C	2	47,611	1,953	49,564	C	C
		GT 60 ft.	424,024	32	445,376	1,093	446,469	22,445	95.0
		36-60 ft.	C	5	40,861	1,182	42,043	C	C
		AREA TOTAL	487,140		533,848	4,228	538,076	50,936	90.5
	1997	Freezer	C	4	70,163	-817	69,346	C	C
		GT 60 ft.	645,445	31	681,961	8,114	690,075	44,630	93.5
		36-60 ft.	C	7	61,223	557	61,780	C	C
		AREA TOTAL	757,183		813,347	7,854	821,201	64,018	92.2
	1998	Freezer	C	2	94,615	2,462	97,077	C	C
		GT 60 ft.	753,101	21	919,176	2,297	921,473	168,372	81.7
		36-60 ft.	C	3	71,105	712	71,817	C	C
		AREA TOTAL	842,812		1,084,896	5,471	1,090,367	247,555	77.3
4E	1995	GT 60 ft.	0	0	0	0	0	0	0.0
		36-60 ft.	0	0	0	0	0	0	0.0
		LE 35 ft.	0	0	0	0	0	0	0.0
		AREA TOTAL	0		0	0	0	0	0.0
	1996	GT 60 ft.	0	0	0	0	0	0	0.0
		36-60 ft.	0	0	0	0	0	0	0.0
		LE 35 ft.	0	0	0	0	0	0	0.0
		AREA TOTAL	0		0	0	0	0	0.0
	1997	GT 60 ft.	0	0	0	0	0	0	0.0
		36-60 ft.	0	0	0	0	0	0	0.0
		LE 35 ft.	0	0	0	0	0	0	0.0
		AREA TOTAL	0		0	0	0	0	0.0
	1998	GT 60 ft.	0	0	0	0	0	0	0.0
		36-60 ft.	0	0	0	0	0	0	0.0
		LE 35 ft.	0	0	0	0	0	0	0.0
		AREA TOTAL	0		0	0	0	0	0.0

Notes: A "C" denotes confidential harvest data.

Small amounts of personal use halibut harvest in some vessel categories are included in this table.

15.3 Unchanged QS and Unharvested IFQ, 1995 to 1998

During the 1995-1998 fishing seasons there were persons who did not transfer, lease, or alter their QS holdings in any way, nor did they fish any portion of their IFQs. Tables 15-3a and 15-3b provide information on the extent of unchanged and unused QS.

Table 15-3a shows the total amount of QS initially issued by area and year. It is compared with the sum of QS holdings that belong to persons who did not alter their holdings by the end of the year. The portion of the “unaltered holdings” is divided into two groups for the year: QS that was used for an IFQ harvest, and QS that was not used for an IFQ harvest. The table also shows the average amount of QS held by persons in each of the two categories, as well as the IFQ equivalent of the average QS.

In Tables 15-3a and 15-3b, CDQ catches are not considered for the counts of persons who had halibut harvest. Persons in Area 4E are not shown because the entire TAC in Area 4E was allocated to CDQs.

The amount and percentage of QS that belongs to persons who have not altered their holdings since the beginning of the program should decline each year. The percentage of QS that was held by persons who had not changed their holdings by the end of 1995 ranged from 68.4% in Area 2C to 97.8% in Area 4C. As expected, these percentages declined in each year from 1995 to 1998 in all areas. By the end of 1998, the percentage of QS that was held by persons who had not changed their holdings ranged from 37.1% in Area 2C to 61.3% in Area 4B.

Some persons did not alter their QS holdings, nor did they fish in a particular year. The average QS holdings of these persons were considerably smaller than the average holdings of persons who did fish, and who also had not altered their holdings. This was true in all areas over the 1995 to 1998 period.

Table 15-3b provides similar information on the number of QS holders. It shows the total number of initial QS recipients by area and year, and compares them with the number of QS holders who had not altered their holdings by the end of the year. Initial QS recipients who had not changed their holdings are divided into two groups: the table shows the number and percentage that fished some, or all, of their IFQ during the year, and the number and percentage that did not fish any of their IFQ during the year. The table also shows the mean QS and IFQ equivalent holdings for each group of persons.

As expected, the percentage of initial QS recipients who had not made changes to their QS holdings dropped from 1995 to 1998 in all areas. By the end of 1998 this percentage ranged from 36.4% in Area 3B to 56.3% in Area 4C. Although the number of persons who had not altered their QS holdings nor fished their IFQ is relatively high in some areas and years, these persons held relatively small amounts of QS. For example, in Area 3A, 24.9% of the initial issuees had not altered their QS holdings by year-end 1998, nor did they fish any of their IFQ in 1998. These persons held 3,416,932 shares (Table 15-3a), or 1.8% of the total QS issued in Area 3A. Their average IFQ in 1998 was 629 pounds.

Table 15-3a. Fished and Unfished QS Owned by Initial Issues Who Had Not Altered Their QS Holdings by Year-end 1995 to 1998

Area	Year	Initial Quota Share	QS Holdings of Persons Who Had Not Altered Their Holdings by Year-end									
			Total Unaltered QS	Percent Initial	QS With Some Harvest	Percent Initial	Mean of QS With Some Harvest	IFQ Equivalent of Mean	QS With No Harvest	Percent Initial	Mean of QS With No Harvest	IFQ Equivalent of Mean
2C	1995	58,965,237	40,313,905	68.4	37,118,081	62.9	36,823	5,537	3,195,824	5.4	4,124	620
	1996	59,031,562	29,684,484	50.3	27,861,153	47.2	34,696	5,206	1,823,331	3.1	3,291	494
	1997	59,557,993	24,797,500	41.6	22,880,656	38.4	35,419	5,993	1,916,844	3.2	4,298	727
	1998	59,559,390	22,094,694	37.1	19,793,195	33.2	39,040	6,883	2,301,499	3.9	4,755	838
3A	1995	182,683,91	126,677,83	69.3	118,609,378	64.9	105,150	11,317	8,068,454	4.4	6,701	721
	1996	184,560,04	93,142,034	50.5	89,584,466	48.5	102,382	11,004	3,557,568	1.9	3,863	415
	1997	185,051,14	77,917,775	42.1	75,550,073	40.8	103,070	13,934	2,367,702	1.3	3,187	431
	1998	185,320,92	72,136,678	38.9	68,719,746	37.1	119,930	16,863	3,416,932	1.8	4,472	629
3B	1995	53,394,413	39,351,898	73.7	33,958,173	63.6	99,293	6,749	5,393,725	10.1	10,744	730
	1996	53,962,724	29,444,159	54.6	27,610,888	51.2	95,539	6,486	1,833,271	3.4	5,801	394
	1997	54,075,051	24,512,572	45.3	23,956,206	44.3	96,210	16,062	556,366	1.0	2,883	481
	1998	54,171,893	22,543,925	41.6	21,661,391	40.0	107,235	21,885	882,534	1.6	4,849	990
4A	1995	14,276,912	11,562,318	81.0	9,593,529	67.2	64,821	8,504	1,968,789	13.8	7,057	926
	1996	14,453,937	9,362,818	64.8	8,518,109	58.9	63,097	8,249	844,709	5.8	4,400	575
	1997	14,535,002	6,973,526	48.0	6,681,883	46.0	71,848	14,565	291,643	2.0	2,039	413
	1998	14,551,336	6,790,408	46.7	6,375,133	43.8	77,746	18,761	415,275	2.9	3,146	759
4B	1995	9,022,264	8,032,411	89.0	6,152,164	68.2	116,079	23,225	1,880,247	20.8	24,106	4,823
	1996	9,283,983	7,557,939	81.4	6,746,516	72.7	112,442	22,359	811,423	8.7	14,753	2,934
	1997	9,293,391	6,026,770	64.9	5,666,406	61.0	106,913	32,058	360,364	3.9	10,599	3,178
	1998	9,293,391	5,698,202	61.3	4,876,113	52.5	143,415	43,249	822,089	8.8	18,684	5,634
4C	1995	3,969,186	3,882,732	97.8	3,026,880	76.3	81,808	7,935	855,852	21.6	20,874	2,025
	1996	3,969,186	2,954,877	74.4	2,075,188	52.3	71,558	6,941	879,689	22.2	24,436	2,370
	1997	3,969,186	2,241,511	56.5	1,905,974	48.0	54,456	7,958	335,537	8.5	17,660	2,581
	1998	3,969,186	1,964,173	49.5	1,316,968	33.2	73,165	14,654	647,205	16.3	23,971	4,801
4D	1995	4,685,996	4,569,397	97.5	3,673,579	78.4	131,199	15,091	895,818	19.1	24,884	2,862
	1996	4,790,491	4,153,966	86.7	3,689,992	77.0	108,529	12,483	463,974	9.7	18,559	2,135
	1997	4,790,491	3,107,436	64.9	2,876,948	60.1	110,652	18,755	230,488	4.8	15,366	2,604
	1998	4,790,491	2,927,856	61.1	2,422,036	50.6	151,377	34,600	505,820	10.6	28,101	6,423
4E	1995	139,999	*	*	*	*	*	*	*	*	*	*
	1996	139,999	*	*	*	*	*	*	*	*	*	*
	1997	139,999	*	*	*	*	*	*	*	*	*	*
	1998	139,999	*	*	*	*	*	*	*	*	*	*

* Note that 100% of the TAC in Area 4E went to CDQ harvest

Table 15-3b. Number of Initial QS Recipients Who Had Not Altered Their QS Holdings by Year-end 1995 to 1998: Persons With and Without Harvests

Area	Year	Total Initial Issues	Persons Who Had Not Altered Their QS Holdings By Year-end									
			Total Persons	Percent Initial	Persons With Some Harvest	Percent Initial	Mean of QS With Some Harvest	IFQ Equivalent of Mean	Persons With No Harvest	Percent Initial	Mean of QS With No Harvest	IFQ Equivalent of Mean
2C	1995	2,378	1,783	75.0	1,008	42.4	36,823	5,537	775	32.6	4,124	620
	1996	2,382	1,357	57.0	803	33.7	34,696	5,206	554	23.3	3,291	494
	1997	2,386	1,092	45.8	646	27.1	35,419	5,993	446	18.7	4,298	727
	1998	2,387	991	41.5	507	21.2	39,040	6,883	484	20.3	4,755	838
3A	1995	3,046	2,332	76.6	1,128	37.0	105,150	11,317	1,204	39.5	6,701	721
	1996	3,061	1,796	58.7	875	28.6	102,382	11,004	921	30.1	3,863	415
	1997	3,068	1,476	48.1	733	23.9	103,070	13,934	743	24.2	3,187	431
	1998	3,070	1,337	43.6	573	18.7	119,930	16,863	764	24.9	4,472	629
3B	1995	1,041	844	81.1	342	32.9	99,293	6,749	502	48.2	10,744	730
	1996	1,051	605	57.6	289	27.5	95,539	6,486	316	30.1	5,801	394
	1997	1,055	442	41.9	249	23.6	96,210	16,062	193	18.3	2,883	481
	1998	1,055	384	36.4	202	19.1	107,235	21,885	182	17.3	4,849	990
4A	1995	526	427	81.2	148	28.1	64,821	8,504	279	53.0	7,057	926
	1996	527	327	62.0	135	25.6	63,097	8,249	192	36.4	4,400	575
	1997	529	236	44.6	93	17.6	71,848	14,565	143	27.0	2,039	413
	1998	529	214	40.5	82	15.5	77,746	18,761	132	25.0	3,146	759
4B	1995	149	131	87.9	53	35.6	116,079	23,225	78	52.3	24,106	4,823
	1996	151	115	76.2	60	39.7	112,442	22,359	55	36.4	14,753	2,934
	1997	152	87	57.2	53	34.9	106,913	32,058	34	22.4	10,599	3,178
	1998	152	78	51.3	34	22.4	143,415	43,249	44	28.9	18,684	5,634
4C	1995	80	78	97.5	37	46.3	81,808	7,935	41	51.3	20,874	2,025
	1996	80	65	81.3	29	36.3	71,558	6,941	36	45.0	24,436	2,370
	1997	80	54	67.5	35	43.8	54,456	7,958	19	23.8	17,660	2,581
	1998	80	45	56.3	18	22.5	73,165	14,654	27	33.8	23,971	4,801
4D	1995	67	64	95.5	28	41.8	131,199	15,091	36	53.7	24,884	2,862
	1996	68	59	86.8	34	50.0	108,529	12,483	25	36.8	18,559	2,135
	1997	68	41	60.3	26	38.2	110,652	18,755	15	22.1	15,366	2,604
	1998	68	34	50.0	16	23.5	151,377	34,600	18	26.5	28,101	6,423
4E	1995	104	*	*	*	*	*	*	*	*	*	*
	1996	104	*	*	*	*	*	*	*	*	*	*
	1997	104	*	*	*	*	*	*	*	*	*	*
	1998	104	*	*	*	*	*	*	*	*	*	*

* Note that 100% of the TAC in Area 4E went to CDQ harvest