

16 Consolidation of Permit Holders on Fishing Operations

Table 16-1 provides data on halibut harvest and participation by management area from 1990 through 1997. The table shows the total 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 number of persons with landings to the number of vessels with landings.

The 1990 through 1994 harvest data are based upon halibut fish tickets and the counts of persons reflect CFEC permit holders who recorded landings. The 1995 through 1997 data come from NMFS-RAM databases. The number of persons in those years represent unique persons with IFQ identifiers who recorded landings. These persons may be QS owners, hired skippers, or persons leasing QS.

Harvest data in the table excludes catches made for CDQs. Note that no harvests are shown for Area 4E after 1994 because the entire TAC in that area has been allocated to CDQs.

Annual harvests depend primarily upon the total allowable catch (TAC), which is set annually by the IPHC. Table 16-1 indicates that harvests over the 1990-1997 period were relatively high in most areas in the early 1990's but declined in 1995, when catches in six of the seven areas were the lowest over the time period. Since 1995, TACs and corresponding harvests have risen.

After the IFQ fisheries commenced in 1995, the number of persons and vessels with landings either rose or fell from the 1990-1994 averages, depending upon the area. In Areas 2C, 3A, and 4C the number of persons and vessels with landings fell substantially, but in Areas 3B, 4A, 4B, and 4D there has not been a pronounced change in either direction. Consolidation of QS will contribute to a decrease in the number of persons and vessels with landings.

Person landing-days are calculated by summing the number of days with landings for each person. Vessel landing-days are calculated in a similar fashion. Larger harvests appear to be correlated with high numbers of person and vessel landing-days in some areas, particularly Areas 3B and 4C, but in other areas there appears to be no clear relationship between harvests and landing-days.

Before the IFQ program in 1995, it was not uncommon for more than one CFEC permit holder to make landings off one vessel in the halibut fishery. After the IFQ fisheries were implemented, two or more IFQ permit holders might join together to fish their IFQ off one vessel. Table 16-1 indicates that in all areas except Areas 4C and 4E the ratio of the number of unique persons with landings to the number of unique vessels with landings rose in 1995 over the 1990-1994 average, which provides some evidence that the practice

of multiple persons recording landings off a single vessel has increased since inception of the program. The ratio of persons to vessels also increased from 1995 to 1996 in these areas and continued at roughly the same levels through 1997.

Table 16-2 shows harvest data for 1995 through 1997, broken out by area and vessel category. Total and mean harvests are shown, 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 is also shown.

The source of harvest data in this table is similar to Table 16-1. Catch data are derived from NMFS-RAM databases and harvests made for CDQs have been excluded. Area 4E does not appear on the table because the entire TAC from 1995 to 1997 was devoted to CDQs.

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 16-1.

Table 16-1. Summary of 1990-1997 Halibut Harvest and Participation

Area	Year	Total Harvest (pounds)	Persons With Landings	Vessels With Landings	Person Landing Days	Vessel Landing Days	Pounds per Person	Pounds per Vessel	Persons per Vessel
2C	1990	9,705,514	1,525	1,489	2,638	2,605	6,364	6,518	1.02
	1991	8,686,934	1,831	1,805	2,967	2,927	4,744	4,813	1.01
	1992	9,816,892	1,786	1,775	3,273	3,255	5,497	5,531	1.01
	1993	11,289,516	1,563	1,562	2,586	2,575	7,223	7,228	1.00
	1994	10,378,542	1,468	1,461	2,386	2,373	7,070	7,104	1.00
	1995	7,708,414	1,319	1,105	3,210	2,922	5,844	6,976	1.19
	1996	8,424,418	1,321	1,024	3,602	3,248	6,377	8,227	1.29
	1997	9,557,265	1,275	989	3,956	3,557	7,496	9,664	1.29
3A	1990	28,844,296	2,457	2,348	4,415	4,349	11,740	12,285	1.05
	1991	22,926,430	2,306	2,231	3,443	3,393	9,942	10,276	1.03
	1992	26,781,876	1,985	1,924	3,291	3,263	13,492	13,920	1.03
	1993	22,737,512	1,554	1,529	2,308	2,292	14,632	14,871	1.02
	1994	24,843,824	1,735	1,712	2,699	2,693	14,319	14,512	1.01
	1995	17,747,126	1,537	1,145	3,122	2,730	11,547	15,500	1.34
	1996	19,305,362	1,553	1,101	3,322	2,882	12,431	17,534	1.41
	1997	24,185,163	1,501	1,072	3,666	3,215	16,113	22,561	1.40
3B	1990	8,694,295	406	383	546	537	21,415	22,701	1.06
	1991	11,934,312	624	602	882	874	19,126	19,824	1.04
	1992	8,622,283	485	478	642	642	17,778	18,038	1.01
	1993	7,855,357	406	401	537	535	19,348	19,589	1.01
	1994	3,860,240	328	320	499	499	11,769	12,063	1.03
	1995	3,147,300	436	332	553	464	7,219	9,480	1.31
	1996	3,493,223	467	349	599	490	7,480	10,009	1.34
	1997	8,754,093	479	355	839	711	18,276	24,659	1.35
4A	1990	2,503,281	155	153	189	188	16,150	16,361	1.01
	1991	2,254,990	237	237	257	257	9,515	9,515	1.00
	1992	2,699,027	197	190	326	326	13,701	14,205	1.04
	1993	2,560,741	166	165	196	196	15,426	15,520	1.01
	1994	1,803,462	178	176	230	229	10,132	10,247	1.01
	1995	1,570,898	180	140	246	210	8,727	11,221	1.29
	1996	1,734,201	192	147	280	239	9,032	11,797	1.31
	1997	2,762,728	185	141	318	277	14,934	19,594	1.31
4B	1990	1,332,988	65	61	136	133	20,508	21,852	1.07
	1991	1,513,422	84	81	182	182	18,017	18,684	1.04
	1992	2,317,361	85	82	261	261	27,263	28,261	1.04
	1993	1,962,364	67	65	132	132	29,289	30,190	1.03
	1994	2,017,108	75	74	229	229	26,895	27,258	1.01
	1995	1,247,323	60	57	79	77	20,789	21,883	1.05
	1996	1,645,932	73	64	85	81	22,547	25,718	1.14
	1997	2,574,988	82	69	129	120	31,402	37,319	1.19
4C	1990	529,481	54	51	160	158	9,805	10,382	1.06
	1991	678,093	53	51	165	165	12,794	13,296	1.04
	1992	792,925	68	62	329	315	11,661	12,789	1.10
	1993	831,018	63	58	368	344	13,191	14,328	1.09
	1994	714,882	66	64	329	320	10,832	11,170	1.03
	1995	299,642	37	35	130	127	8,098	8,561	1.06
	1996	296,439	43	41	137	136	6,894	7,230	1.05
	1997	504,568	48	46	152	151	10,512	10,969	1.04

(Continued)

Table 16-1. Summary of 1990-1997 Halibut Harvest and Participation

Area	Year	Total Harvest (pounds)	Persons With Landings	Vessels With Landings	Person Landing Days	Vessel Landing Days	Pounds per Person	Pounds per Vessel	Persons per Vessel
4D	1990	1,005,291	24	24	25	25	41,887	41,887	1.00
	1991	1,436,533	48	48	49	49	29,928	29,928	1.00
	1992	727,423	26	26	27	27	27,978	27,978	1.00
	1993	836,160	19	19	22	22	44,008	44,008	1.00
	1994	710,901	40	39	118	117	17,773	18,228	1.03
	1995	430,815	30	27	30	28	14,361	15,956	1.11
	1996	487,140	38	33	40	36	12,819	14,762	1.15
	1997	756,980	38	33	40	36	19,921	22,939	1.15
4E	1990	60,355	133	129	276	273	454	468	1.03
	1991	104,297	64	64	156	156	1,630	1,630	1.00
	1992	66,818	41	41	146	146	1,630	1,630	1.00
	1993	64,235	47	47	223	223	1,367	1,367	1.00
	1994	120,226	75	74	453	451	1,603	1,625	1.01

Table 16-2. Summary of 1995-1997 Halibut Harvest and Participation by Vessel Category

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
2C	1995	Freezer	162,188	2.1	9,010	18	1.3
		GT 60 ft.	350,402	4.5	5,309	66	4.9
		36-60 ft.	6,218,243	80.7	7,519	827	61.9
		LE 35 ft.	977,581	12.7	2,306	424	31.8

			7,708,414			1,335	
	1996	Freezer	181,483	2.2	9,552	19	1.4
		GT 60 ft.	378,278	4.5	5,911	64	4.7
		36-60 ft.	6,684,480	79.3	8,232	812	60.1
		LE 35 ft.	1,180,177	14.0	2,594	455	33.7

			8,424,418			1,350	
1997	Freezer	207,640	2.2	9,888	21	1.6	
	GT 60 ft.	431,453	4.5	7,191	60	4.5	
	36-60 ft.	7,599,965	79.5	9,500	800	60.6	
	LE 35 ft.	1,318,207	13.8	2,996	440	33.3	

		9,557,265			1,321		
3A	1995	Freezer	404,537	2.3	14,448	28	1.8
		GT 60 ft.	6,776,434	38.2	28,472	238	15.1
		36-60 ft.	9,636,050	54.3	9,914	972	61.9
		LE 35 ft.	930,105	5.2	2,793	333	21.2

			17,747,126			1,571	
	1996	Freezer	509,014	2.6	18,179	28	1.7
		GT 60 ft.	7,306,607	37.8	29,702	246	15.2
		36-60 ft.	10,360,216	53.7	10,350	1,001	61.8
		LE 35 ft.	1,129,525	5.9	3,274	345	21.3

			19,305,362			1,620	
1997	Freezer	611,375	2.5	20,379	30	1.9	
	GT 60 ft.	8,971,240	37.1	35,320	254	15.9	
	36-60 ft.	13,156,197	54.4	13,762	956	59.7	
	LE 35 ft.	1,446,351	6.0	4,007	361	22.5	

		24,185,163			1,601		
3B	1995	Freezer	104,290	3.3	8,691	12	2.7
		GT 60 ft.	1,857,272	59.0	13,860	134	30.5
		36-60 ft.	1,099,858	34.9	4,382	251	57.0
		LE 35 ft.	85,880	2.7	1,997	43	9.8

			3,147,300			440	
	1996	Freezer	102,021	2.9	6,801	15	3.1
		GT 60 ft.	1,981,960	56.7	14,791	134	27.4
36-60 ft.		1,317,684	37.7	4,544	290	59.3	
LE 35 ft.		91,558	2.6	1,831	50	10.2	

		3,493,223			489		

(Continued)

Table 16-2. Summary of 1995-1997 Halibut Harvest and Participation by Vessel Category

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
3B (con't)	1997	Freezer	252,440	2.9	14,024	18	3.5
		GT 60 ft.	4,890,271	55.9	33,267	147	28.4
		36-60 ft.	3,362,861	38.4	11,135	302	58.3
		LE 35 ft.	248,521	2.8	4,873	51	9.8
		-----	8,754,093			518	
4A	1995	Freezer	74,886	4.8	8,321	9	4.9
		GT 60 ft.	985,344	62.7	12,317	80	43.5
		36-60 ft.	412,829	26.3	7,372	56	30.4
		LE 35 ft.	97,839	6.2	2,509	39	21.2
	-----	1,570,898			184		
	1996	Freezer	79,231	4.6	7,923	10	4.9
		GT 60 ft.	1,027,715	59.3	11,294	91	44.8
		36-60 ft.	518,585	29.9	8,103	64	31.5
		LE 35 ft.	108,670	6.3	2,860	38	18.7
	-----	1,734,201			203		
	1997	Freezer	116,695	4.2	14,587	8	3.9
		GT 60 ft.	1,645,849	59.6	19,593	84	41.0
		36-60 ft.	803,169	29.1	11,312	71	34.6
LE 35 ft.		197,015	7.1	4,691	42	20.5	
-----	2,762,728			205			
4B	1995	Freezer	45,513	3.6	11,378	4	6.7
		GT 60 ft.	1,058,609	84.9	23,525	45	75.0
		36-60 ft.	142,305	11.4	14,231	10	16.7
		LE 35 ft.	896	0.1	896	1	1.7
	-----	1,247,323			60		
	1996	Freezer	109,335	6.6	13,667	8	10.8
		GT 60 ft.	1,310,922	79.6	25,704	51	68.9
		36-60 ft.	225,675	13.7	15,045	15	20.3
	-----	1,645,932			74		
	1997	Freezer	158,783	6.2	19,848	8	9.4
		GT 60 ft.	1,940,418	75.4	36,612	53	62.4
		36-60 ft.	470,626	18.3	24,770	19	22.4
		LE 35 ft.	5,161	0.2	1,032	5	5.9
-----	2,574,988			85			
4C	1995	GT 60 ft.	131,229	43.8	13,123	10	27.0
		36-60 ft.	77,125	25.7	7,713	10	27.0
		LE 35 ft.	91,288	30.5	5,370	17	45.9
	-----	299,642			37		
	1996	GT 60 ft.	154,225	52.0	9,639	16	37.2
		36-60 ft.	67,923	22.9	8,490	8	18.6
		LE 35 ft.	74,291	25.1	3,910	19	44.2
-----		296,439			43		

(Continued)

Table 16-2. Summary of 1995-1997 Halibut Harvest and Participation by Vessel Category

Area	Year	Vessel Category	Total Harvest (pounds)	Percent Area Harvest	Mean Harvest	Persons With Landings	Percent Total Area Persons
4C (con't)	1997	GT 60 ft.	215,864	42.8	13,492	16	32.0
		36-60 ft.	107,373	21.3	9,761	11	22.0
		LE 35 ft.	181,331	35.9	7,884	23	46.0
			----- 504,568			----- 50	
4D	1995	Freezer	27,142	6.3	13,571	2	6.7
		GT 60 ft.	380,163	88.2	16,529	23	76.7
		36-60 ft.	23,510	5.5	4,702	5	16.7
			----- 430,815			----- 30	
	1996	Freezer	35,466	7.3	17,733	2	5.1
		GT 60 ft.	424,024	87.0	13,251	32	82.1
		36-60 ft.	27,650	5.7	5,530	5	12.8
		----- 487,140			----- 39		
	1997	Freezer	56,718	7.5	14,180	4	9.5
		GT 60 ft.	645,293	85.2	20,816	31	73.8
		36-60 ft.	54,969	7.3	7,853	7	16.7
		----- 756,980			----- 42		