

Final 2010 Sport Halibut Harvest Estimates Alaska Department of Fish and Game

1. Area 2C Harvest:

Table 1.1. Area 2C sport halibut harvest estimates by harvest survey area, 2010.

Area	Charter			Non-Charter		
	Avg. Wt (lb) ^a	No. Fish	Yield (lb)	MeanWt (lb)	No. Fish	Yield (lb)
Ketchikan	22.1	3,174	70,164	13.5	7,254	97,933
Prince of Wales Island	14.8	9,480	140,415	11.7	11,933	140,040
Petersburg/Wrangell	34.6	3,731	129,276	21.2	7,920	167,865
Sitka	25.3	14,762	373,855	20.7	4,162	86,321
Juneau	16.2	3,302	53,518	15.0	11,993	180,378
Haines/Skagway	16.2	51	827	15.0	704	10,588
Glacier Bay	47.4	6,702	317,984	22.6	8,930	201,547
Area 2C	26.4	41,202	1,086,038	16.7	52,896	884,672

^a – Average net weight, rounded to the nearest 0.1 lb.

Table 1.2. Approximate 95% confidence intervals for harvest estimates (million pounds).

User	Estimate	StdErr	Lower Limit	Upper Limit
Charter	1.086	0.077	0.935	1.237
Non-Charter	0.885	0.059	0.769	1.000
Overall	1.971	0.089	1.796	2.145

Table 1.3. Comparison of final estimates to October 2010 projections (million pounds).

User	Projection	Final	Projection Error (%)
Charter	1.279	1.086	+17.8%
Non-Charter	1.269	0.885	+43.4%
Overall	2.548	1.971	+29.3%

Table 1.4. Area 2C sport halibut harvest history.

Year	Charter				Non-Charter			Total Sport Harvest		
	No. Fish	Avg. Wt.	Yield (M lb)	GHL (M lb)	No. Fish	Avg. Wt.	Yield (M lb)	No. Fish	Avg. Wt.	Yield (M lb)
1995	49,615	19.9	0.986	No GHL	39,707	19.3	0.765	89,322	19.6	1.751
1996	53,590	22.1	1.187		41,307	22.8	0.943	94,897	22.4	2.129
1997	51,181	20.2	1.034		53,205	21.4	1.139	104,386	20.8	2.172
1998	54,364	29.1	1.584		42,580	21.5	0.917	96,944	25.8	2.501
1999	52,735	17.8	0.939		44,301	20.4	0.904	97,036	19.0	1.843
2000	57,208	19.7	1.130		54,432	20.6	1.121	111,640	20.2	2.251
2001	66,435	18.1	1.202		43,519	16.6	0.721	109,954	17.5	1.923
2002	64,614	19.7	1.275	40,199	20.3	0.814	104,813	19.9	2.090	
2003	73,784	19.1	1.412	1.432	45,697	18.5	0.846	119,481	18.9	2.258
2004	84,327	20.7	1.750	1.432	62,989	18.8	1.187	147,316	19.9	2.937
2005	102,206	19.1	1.952	1.432	60,364	14.0	0.845	162,570	17.2	2.798
2006	90,471	19.9	1.804	1.432	50,520	14.3	0.723	140,991	17.9	2.526
2007	109,835	17.5	1.918	1.432	68,498	16.5	1.131	178,333	17.1	3.049
2008	102,965	19.4	1.999	0.931	66,296	19.1	1.265	169,261	19.3	3.264
2009	53,602	23.3	1.249	0.788	65,549	17.3	1.133	119,151	20.0	2.383
2010	41,202	26.4	1.086	0.788	52,896	16.7	0.885	94,098	20.9	1.971

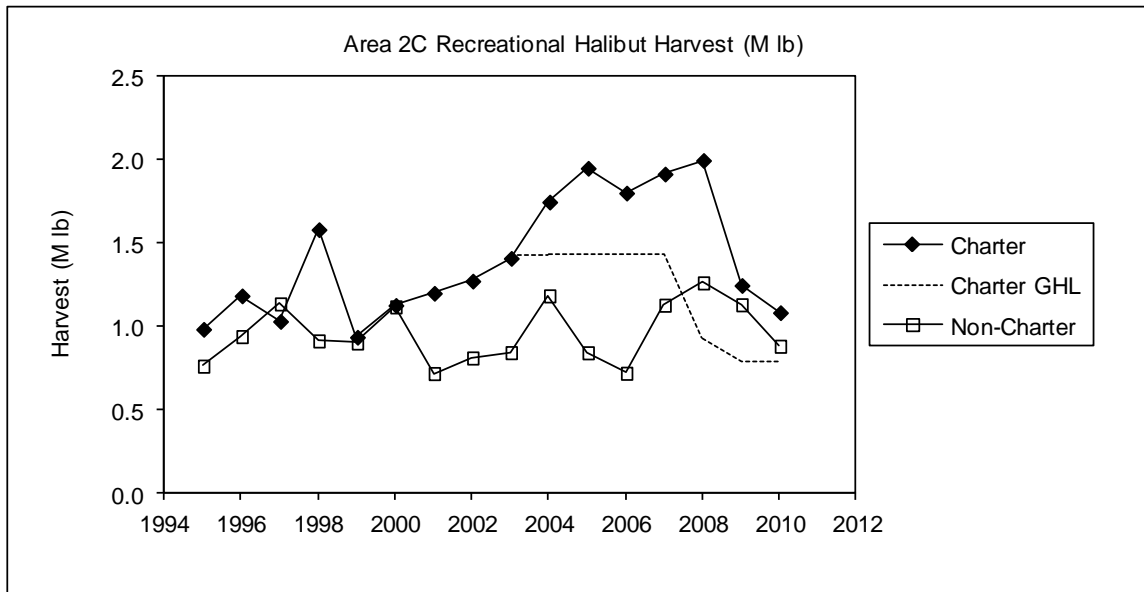


Table 1.5. Area 2C charter regulation history.

Year	Charter Regulations
1995-2005	Two-fish bag limit (no size restrictions), no limit on crew retention.
2006	Two-fish bag limit (no size limit), state EO prohibiting crew harvest 5/26-12/31.
2007	Two-fish bag limit (1 under 32" eff. 6/1), no crew retention 5/1-12/31 (State EO and Federal Rule).
2008	Two-fish bag limit (1 under 32"), except one-fish bag limit Jun 1-10 (halted by injunction).
2009	One fish (no size limit), no harvest by skipper & crew, line limit (effective June 5).
2010	One fish (no size limit), no harvest by skipper & crew, line limit.

2. Area 3A Harvest:

Table 2.1. Area 3A sport halibut harvest estimates by harvest survey area, 2010.

Area	Charter			Non-Charter		
	Avg. Wt (lb) ^a	No. Fish	Yield (lb)	MeanWt (lb)	No. Fish	Yield (lb)
Central Cook Inlet	15.5	45,781	708,126	12.5	29,022	363,626
Lower Cook Inlet	15.0	63,629	952,877	11.9	54,271	646,582
Kodiak	14.9	13,381	199,489	19.1	9,682	185,132
North Gulf Coast	12.0	33,359	401,486	10.8	16,618	179,244
Eastern PWS	24.4	8,843	216,121	12.2	5,503	67,294
Western PWS	12.0	8,511	102,160	16.3	6,468	105,452
Yakutat	29.7	3,956	117,523	15.6	2,524	39,442
Area 3A	15.2	177,460	2,697,783	12.8	124,088	1,586,772

^a – Average net weight, rounded to the nearest 0.1 lb.

Table 2.2. Approximate 95% confidence intervals for harvest estimates (million pounds).

User	Estimate	StdErr	Lower Limit	Upper Limit
Charter	2.698	0.116	2.470	2.925
Non-Charter	1.587	0.098	1.395	1.779
Overall	4.285	0.152	3.987	4.582

Table 2.3. Comparison of final estimates to October 2010 projections (million pounds).

User	Projection	Final	Projection Error (%)
Charter	2.992	2.698	+10.9%
Non-Charter	2.077	1.587	+30.9%
Overall	5.068	4.285	+18.3%

Table 2.4. Area 3A sport halibut harvest history.

Year	Charter				Non-Charter			Total Sport Harvest		
	No. Fish	Avg. Wt.	Yield (M lb)	GHL (M lb)	No. Fish	Avg. Wt.	Yield (M lb)	No. Fish	Avg. Wt.	Yield (M lb)
1995	137,843	20.6	2.845	No GHL	95,206	17.5	1.666	233,049	19.4	4.511
1996	142,957	19.7	2.822		108,812	17.6	1.918	251,769	18.8	4.740
1997	152,856	22.3	3.413		119,510	17.6	2.100	272,366	20.2	5.514
1998	143,368	20.8	2.985		105,876	16.2	1.717	249,244	18.9	4.702
1999	131,726	19.2	2.533		99,498	17.0	1.695	231,224	18.3	4.228
2000	159,609	19.7	3.140		128,427	16.9	2.165	288,036	18.4	5.305
2001	163,349	19.2	3.132		90,249	17.1	1.543	253,598	18.4	4.675
2002	149,608	18.2	2.724	93,240	15.9	1.478	242,848	17.3	4.202	
2003	163,629	20.7	3.382	3.650	118,004	17.3	2.046	281,633	19.3	5.427
2004	197,208	18.6	3.668	3.650	134,960	14.4	1.937	332,168	16.9	5.606
2005	206,902	17.8	3.689	3.650	127,086	15.6	1.984	333,988	17.0	5.672
2006	204,115	17.9	3.664	3.650	114,887	14.6	1.674	319,002	16.7	5.337
2007	236,133	16.9	4.002	3.650	166,338	13.7	2.281	402,471	15.6	6.283
2008	198,108	17.0	3.378	3.650	145,286	13.4	1.942	343,394	15.5	5.320
2009	167,599	16.3	2.734	3.650	150,205	13.5	2.023	317,804	15.0	4.758
2010	177,460	15.2	2.698	3.650	124,088	12.8	1.587	301,548	14.2	4.285

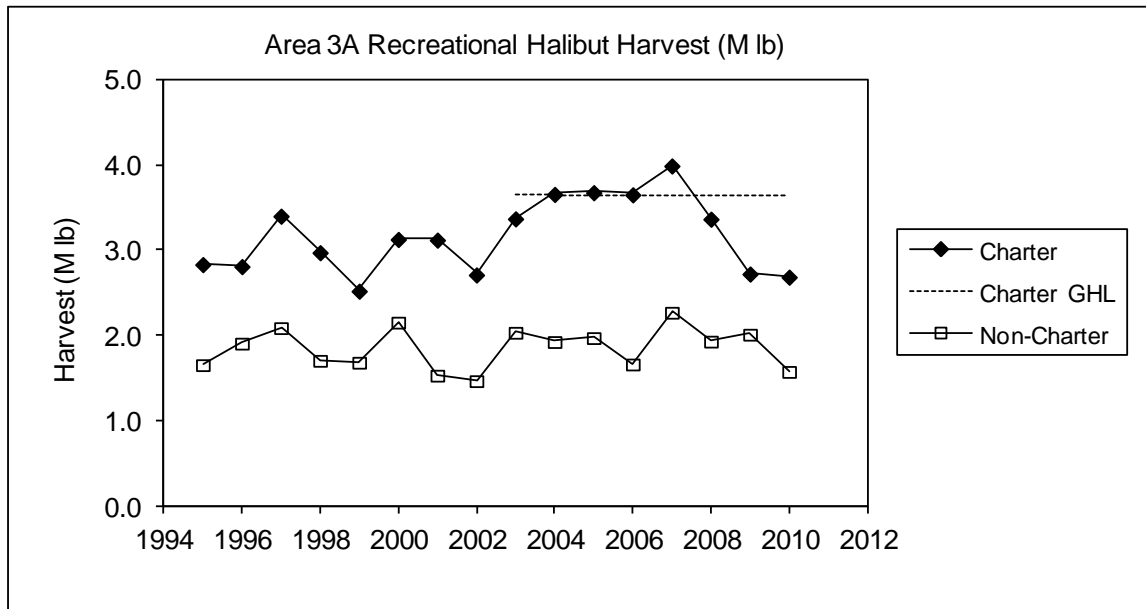


Table 2.5. Area 3A charter regulation history.

Year	Charter Regulations
1995-2006	Two-fish bag limit (no size restrictions), no limit on crew retention
2007	Two-fish bag limit (no size restrictions), state EO prohibiting crew harvest 5/1-12/31.
2008	Two-fish bag limit (no size restrictions), state EO prohibiting crew harvest 5/24-9/1.
2009	Two-fish bag limit (no size restrictions), state EO prohibiting crew harvest 5/23-9/1.
2010	Two-fish bag limit (no size restrictions), no limit on crew retention

3. Comparison of Logbook and Statewide Harvest Survey Estimates

Table 3.1. Comparison of estimates of charter halibut harvest biomass (yield) based on numbers of fish from logbooks and from Statewide Harvest Survey estimates, 2006-2010.

Area	Year	Logbook		Statewide Harvest Survey	
		Yield (M lb)	StdErr	Yield (M lb)	StdErr
2C	2006	2.063	0.052	1.804	0.089
	2007	2.015	0.028	1.918	0.085
	2008	1.974	0.025	1.999	0.099
	2009	1.187	0.022	1.249	0.071
	2010	1.249	0.040	1.086	0.077
3A	2006	4.689	0.072	3.664	0.108
	2007	4.229	0.059	4.002	0.120
	2008	3.865	0.063	3.378	0.142
	2009	3.044	0.055	2.734	0.133
	2010	3.238	0.123	2.698	0.116

