

Final 2009 Sport Halibut Harvest Estimates Alaska Department of Fish and Game

Area 2C Harvest:

Table 1. Area 2C sport halibut harvest estimates by harvest survey area.

Area	Charter			Non-Charter		
	MeanWt (lb)	No. Fish	Yield (lb)	MeanWt (lb)	No. Fish	Yield (lb)
Ketchikan	21.3	5,567	118,393	14.3	14,375	206,221
POW Island	12.3	13,138	161,367	11.7	9,492	110,878
PBG/WRG	37.4	3,609	134,839	18.1	9,449	171,472
Sitka	23.6	14,918	352,234	21.7	4,260	92,391
Juneau	15.4	5,741	88,506	13.0	14,534	188,976
Haines/SKG	15.4	152	2,343	13.0	316	4,109
Glacier Bay	37.0	10,477	387,313	26.6	13,123	348,718
Area 2C	23.2	53,602	1,244,996	17.1	65,549	1,122,764

Table 2. Approximate confidence intervals for harvest estimates (million pounds).

User	Estimate	StdErr	Lower Limit	Upper Limit
Charter	1.245	0.080	1.088	1.402
Non-Charter	1.123	0.083	0.959	1.286
Overall	2.368	0.106	2.161	2.575

Table 3. Comparison of final estimates to October 2009 projections (million pounds).

User	Projection	Final	Error (%)
Charter	1.302	1.245	4.6%
Non-Charter	1.244	1.123	10.8%
Overall	2.546	2.368	7.5%

Table 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	20.7	1.126	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	23.2	1.245	0.788	65,549	17.1	1.123	119,151	19.9	2.368

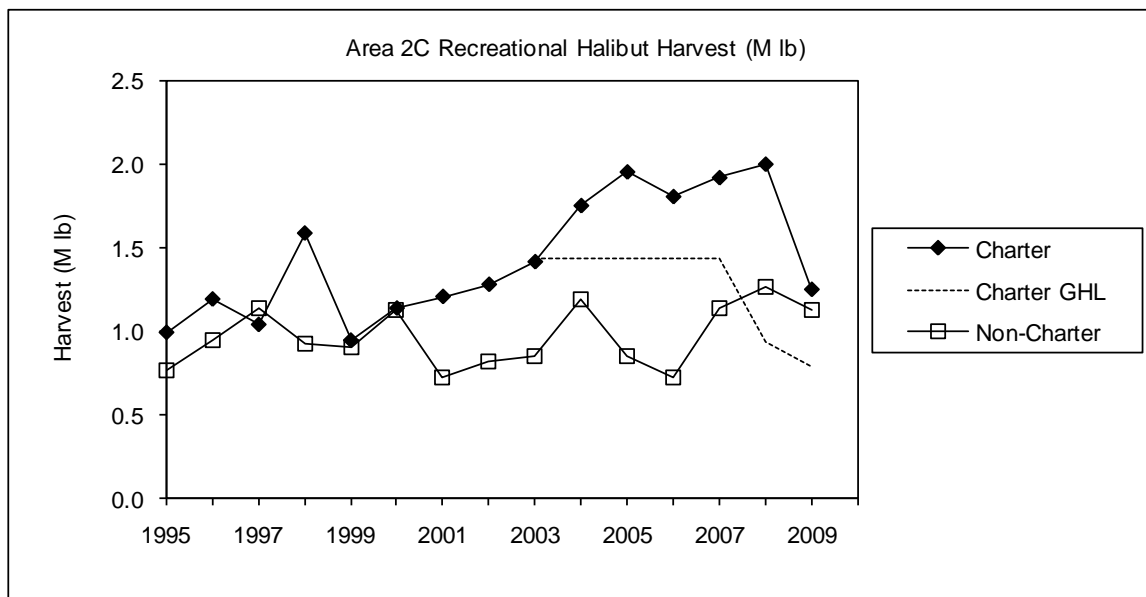


Table 5. Area 2C charter regulation history.

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.

Area 3A Harvest:

Table 1. Area 3A sport halibut harvest estimates by harvest survey area.

Area	Charter			Non-Charter		
	MeanWt (lb)	No. Fish	Yield (lb)	MeanWt (lb)	No. Fish	Yield (lb)
Central Cook Inlet	15.5	43,704	675,660	14.6	41,498	606,298
Lower Cook Inlet	14.9	58,543	874,402	12.4	51,549	639,245
Kodiak	17.2	13,050	224,056	15.6	18,540	288,309
North Gulf Coast	13.5	30,491	410,700	10.3	20,113	207,775
Eastern PWS	29.1	10,187	296,080	12.5	9,160	114,289
Western PWS	16.6	8,147	135,225	18.2	7,747	140,740
Yakutat	34.0	3,477	118,192	16.6	1,598	26,600
Area 3A	16.3	167,599	2,734,315	13.5	150,205	2,023,256

Table 2. Approximate confidence intervals for harvest estimates (million pounds).

User	Estimate	StdErr	Lower Limit	Upper Limit
Charter	2.734	0.133	2.474	2.994
Non-Charter	2.023	0.113	1.802	2.244
Overall	4.758	0.171	4.423	5.092

Table 3. Comparison of final estimates to October 2009 projections (million pounds).

User	Projection	Final	Error (%)
Charter	2.564	2.734	-6.2%
Non-Charter	1.966	2.023	-2.8%
Overall	4.531	4.758	-4.8%

Table 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

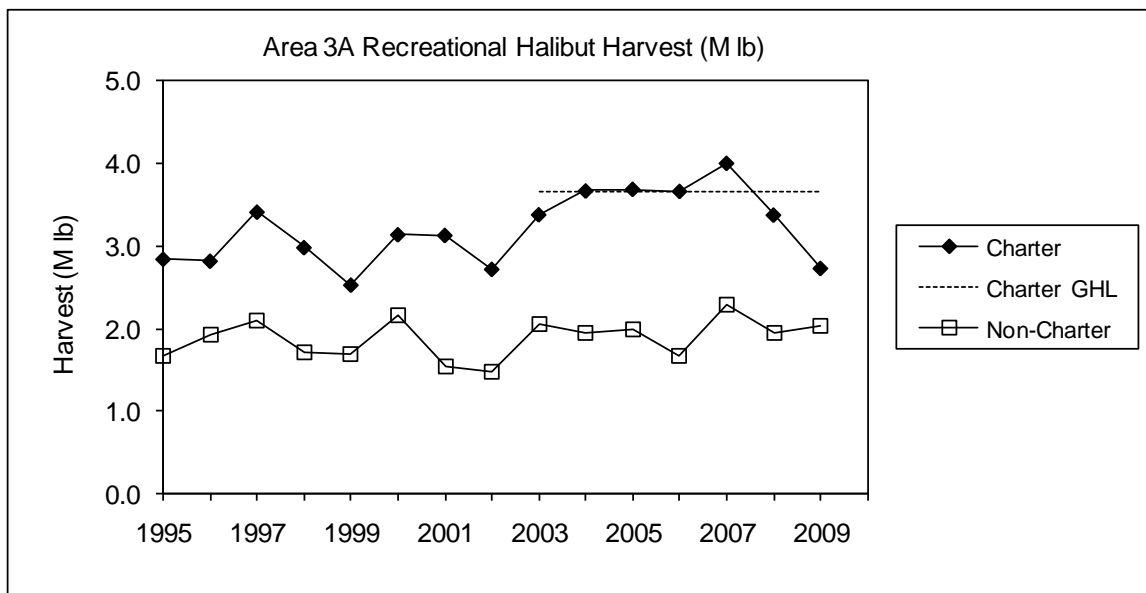
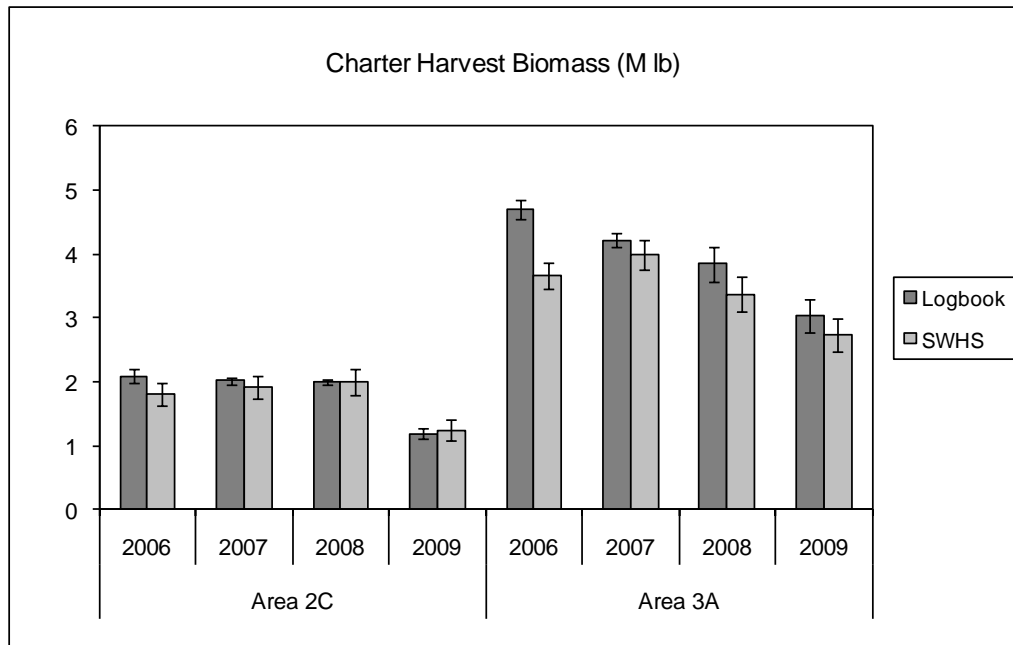


Table 5. Area 3A charter regulation history.

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

Comparison of Logbook and Statewide Harvest Survey Estimates



Area	Year	Logbook		Statewide Harvest Survey	
		Harvest (M lb)	StdErr	Harvest (M lb)	StdErr
2C	2006	2.094	0.053	1.804	0.089
	2007	2.019	0.028	1.918	0.085
	2008	1.996	0.025	1.999	0.099
	2009	1.187	0.042	1.245	0.080
3A	2006	4.690	0.076	3.664	0.108
	2007	4.224	0.059	4.002	0.120
	2008	3.843	0.140	3.378	0.142
	2009	3.029	0.130	2.734	0.133