

Final 2024 Sport Halibut Harvest Estimates for Areas 2C and 3A

Alaska Department of Fish and Game

1. Area 2C

Table 1.1. Area 2C sport halibut harvest estimates by sector and subarea, 2024.

Subarea	Num Fish Charter ^a	Avg Wt Charter ^b	Yield Charter	Num Fish Unguided ^a	Avg Wt Unguided ^b	Yield Unguided
Ketchikan	15,262	8.10	0.124	13,244	11.85	0.157
POW Island	24,142	7.73	0.187	17,593	10.43	0.184
PBurg_Wrang	1,801	12.85	0.023	20,567	12.72	0.262
Sitka	28,313	10.56	0.299	8,840	13.92	0.123
Jun_Haines_Skag	10,318	6.88	0.071	13,339	9.91	0.132
Glacier_Bay_2C	9,950	11.26	0.112	25,945	21.34	0.554
Total_2C	89,786	9.08	0.815	99,528	14.18	1.411

^a-Number of fish harvested in charter fishery is from logbook data, estimate for unguided fishery is from the ADF&G Statewide Harvest Survey.

^b-Average net weight (headed and gutted).

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

User	Estimate	StdErr	Lower 95	Upper 95
Charter	0.815	0.025	0.766	0.864
Unguided	1.411	0.109	1.198	1.624
Overall	2.226	0.112	2.007	2.445

Table 1.3. Comparison of preliminary and final estimates of sport halibut removals in Area 2C in 2024 (million pounds).

User	Removals	Preliminary	Final	Difference Mlb	Percent Error
Charter	Yield	0.810	0.815	-0.005	-0.6%
Charter	All Rel Mort	0.032	0.038	-0.006	-18.7%
Charter	Total	0.842	0.853	-0.011	-1.3%
Unguided	Yield	0.992	1.411	-0.419	-42.2%
Unguided	All Rel Mort	0.017	0.034	-0.017	-100.0%
Unguided	Total	1.009	1.445	-0.436	-43.2%

Table 1.4. Area 2C sport halibut yield (excluding release mortality) by sector since 2000. Charter harvest (no. fish) from charter logbook data beginning in 2014 and estimated using the ADF&G Statewide Harvest Survey before 2014.

Year	Charter			Unguided			Total Sport Harvest		
	No. Fish	Avg. Wt.	Yield (M lb)	No. Fish	Avg. Wt.	Yield (M lb)	No. Fish	Avg. Wt.	Yield (M lb)
1995	49,615	19.88	0.986	39,707	19.27	0.765	89,322	19.61	1.751
1996	53,590	22.15	1.187	41,307	22.82	0.943	94,897	22.44	2.129
1997	51,181	20.19	1.034	53,205	21.40	1.139	104,386	20.81	2.172
1998	54,364	29.14	1.584	42,580	21.53	0.917	96,944	25.80	2.501
1999	52,735	17.80	0.939	44,301	20.41	0.904	97,036	18.99	1.843
2000	57,208	19.75	1.130	54,432	20.59	1.121	111,640	20.16	2.251
2001	66,435	18.10	1.202	43,519	16.56	0.721	109,954	17.49	1.923
2002	64,614	19.74	1.275	40,199	20.25	0.814	104,813	19.94	2.090
2003	73,784	19.13	1.412	45,697	18.52	0.846	119,481	18.90	2.258
2004	84,327	20.75	1.750	62,989	18.84	1.187	147,316	19.93	2.937
2005	102,206	19.10	1.952	60,364	14.01	0.845	162,570	17.21	2.798
2006	90,471	19.94	1.804	50,520	14.30	0.723	140,991	17.92	2.526
2007	109,835	17.46	1.918	68,498	16.51	1.131	178,333	17.10	3.049
2008	102,965	19.42	1.999	66,296	19.08	1.265	169,261	19.28	3.264
2009	53,602	23.31	1.249	65,549	17.29	1.133	119,151	20.00	2.383
2010	41,202	26.36	1.086	52,896	16.72	0.885	94,098	20.94	1.971
2011	36,545	9.40	0.344	42,202	16.24	0.685	78,747	13.07	1.029
2012	42,436	14.27	0.605	54,696	17.87	0.977	97,132	16.30	1.583
2013	52,675	14.47	0.762	78,078	17.43	1.361	130,753	16.24	2.123
2014	65,036	12.04	0.783	69,060	16.95	1.170	134,096	14.57	1.954
2015	65,656	11.69	0.768	73,816	17.97	1.327	139,472	15.02	2.094
2016	66,147	11.93	0.789	66,714	18.68	1.246	132,861	15.32	2.035
2017	70,647	12.76	0.901	60,817	20.03	1.218	131,464	16.12	2.120
2018	69,992	9.37	0.656	57,688	21.09	1.216	127,680	14.67	1.873
2019	70,600	9.38	0.662	60,760	19.23	1.169	131,360	13.94	1.831
2020	36,100	12.77	0.461	47,371	18.44	0.873	83,471	15.99	1.334
2021	77,803	14.50	1.128	65,364	17.80	1.163	143,167	16.01	2.292
2022	83,136	9.74	0.810	67,310	17.69	1.191	150,446	13.29	2.000
2023	84,911	9.41	0.799	77,910	16.06	1.251	162,821	12.59	2.050
2024	89,786	9.08	0.815	99,528	14.18	1.411	189,314	11.76	2.226

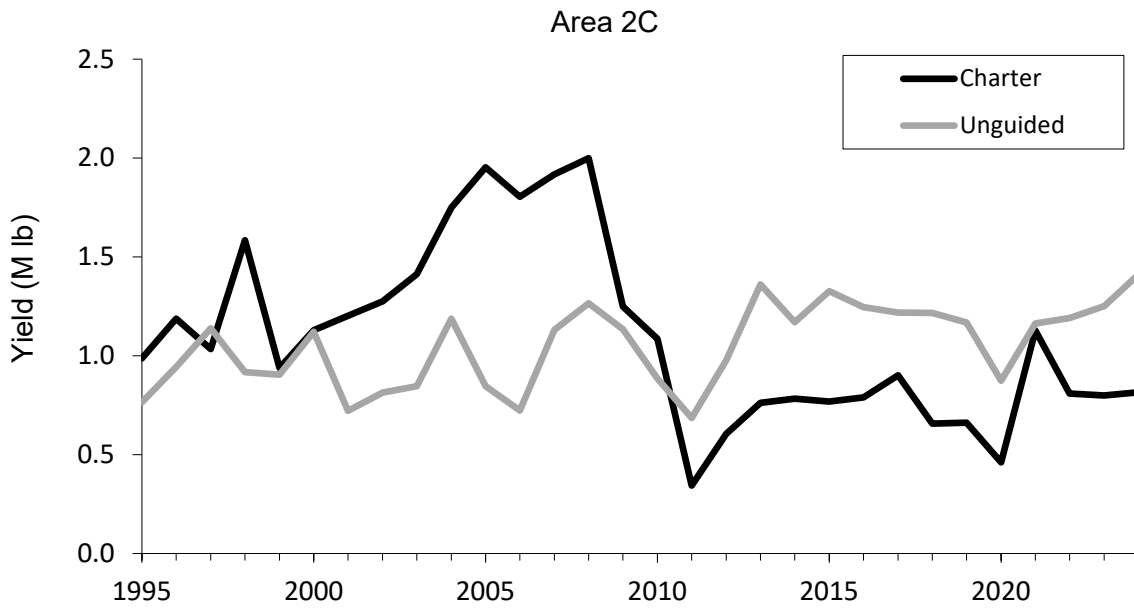


Figure 1.1. Charter and Unguided halibut yield (M lb) in Area 2C since 1995.

2. Area 3A

Subarea	Num Fish Charter ^a	Avg Wt Charter ^b	Yield Charter	Num Fish Unguided ^a	Avg Wt Unguided ^b	Yield Unguided
Central Cook						
Inlet	22,617	8.84	0.200	20,675	9.95	0.206
Lower Cook Inlet	75,190	9.29	0.698	31,185	8.74	0.273
Kodiak	13,947	12.45	0.174	6,691	13.25	0.089
North Gulf Coast	34,704	8.38	0.291	8,025	10.90	0.087
Eastern PWS	5,315	12.99	0.069	8,522	10.41	0.089
Western PWS	6,201	9.58	0.059	5,446	11.92	0.065
Yakutat	2,835	28.38	0.080	2,709	14.77	0.040
Glacier_Bay_3A	703	36.48	0.026	NA	NA	NA
Total_3A	161,512	9.89	1.598	83,253	10.19	0.848

Table 2.1. Area 3A sport halibut harvest estimates by sector and subarea, 2024.

^a-Number of fish harvested in charter fishery is from logbook data, estimate for unguided fishery is from the ADF&G Statewide Harvest Survey.

^b-Average net weight (headed and gutted).

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

User	Estimate	StdErr	Lower 95	Upper 95
Charter	1.598	0.055	1.491	1.705
Unguided	0.848	0.052	0.747	0.949
Overall	2.446	0.075	2.299	2.593

Table 2.3 Comparison of preliminary and final estimates of sport halibut removals in Area 3A in 2024 (million pounds).

User	Removals	Preliminary	Final	Difference Mlb	Percent Error
Charter	Yield	1.591	1.598	-0.007	-0.4%
Charter	All Rel Mort	0.017	0.019	-0.002	-11.8%
Charter	Total	1.608	1.617	-0.009	-0.6%
Unguided	Yield	0.862	0.848	0.014	1.6%
Unguided	All Rel Mort	0.016	0.019	-0.003	-18.7%
Unguided	Total	0.878	0.867	0.011	1.3%

Table 2.4. Area 3A sport halibut yield (excluding release mortality) by sector since 1995. Charter harvest (no. fish) from charter logbook data beginning in 2014 and estimated using the ADF&G Statewide Harvest Survey before 2014.

Year	Charter			Unguided			Total Sport Harvest		
	No. Fish	Avg. Wt.	Yield (M lb)	No. Fish	Avg. Wt.	Yield (M lb)	No. Fish	Avg. Wt.	Yield (M lb)
1995	137,843	20.64	2.845	95,206	17.50	1.666	233,049	19.36	4.511
1996	142,957	19.74	2.822	108,812	17.63	1.918	251,769	18.83	4.740
1997	152,856	22.33	3.413	119,510	17.58	2.100	272,366	20.24	5.514
1998	143,368	20.82	2.985	105,876	16.22	1.717	249,244	18.86	4.702
1999	131,726	19.23	2.533	99,498	17.03	1.695	231,224	18.29	4.228
2000	159,609	19.67	3.140	128,427	16.86	2.165	288,036	18.42	5.305
2001	163,349	19.18	3.132	90,249	17.09	1.543	253,598	18.43	4.675
2002	149,608	18.20	2.724	93,240	15.86	1.478	242,848	17.30	4.202
2003	163,629	20.67	3.382	118,004	17.34	2.046	281,633	19.27	5.427
2004	197,208	18.60	3.668	134,960	14.35	1.937	332,168	16.88	5.606
2005	206,902	17.83	3.689	127,086	15.61	1.984	333,988	16.98	5.672
2006	204,115	17.95	3.664	114,887	14.57	1.674	319,002	16.73	5.337
2007	236,133	16.95	4.002	166,338	13.71	2.281	402,471	15.61	6.283
2008	198,108	17.05	3.378	145,286	13.37	1.942	343,394	15.49	5.320
2009	167,599	16.31	2.734	150,205	13.47	2.023	317,804	14.97	4.758
2010	177,460	15.20	2.698	124,088	12.79	1.587	301,548	14.21	4.285
2011	184,293	15.16	2.793	128,464	12.57	1.615	312,757	14.09	4.408
2012	173,582	13.16	2.284	113,359	11.83	1.341	286,941	12.64	3.626
2013	199,248	12.62	2.514	121,568	11.94	1.452	320,816	12.36	3.966
2014	174,351	11.67	2.034	127,125	12.06	1.533	301,476	11.83	3.568
2015	163,632	12.63	2.067	136,225	11.86	1.616	299,857	12.28	3.682
2016	158,212	12.67	2.004	128,582	11.96	1.538	286,794	12.35	3.542
2017	142,664	14.55	2.076	108,972	14.04	1.530	251,636	14.33	3.606
2018	136,312	13.75	1.874	105,880	14.69	1.555	242,192	14.16	3.429
2019	139,082	14.64	2.036	107,722	15.62	1.682	246,804	15.06	3.718
2020	106,589	14.58	1.554	90,766	15.62	1.418	197,355	15.06	2.971
2021	184,441	13.21	2.437	95,353	14.45	1.378	279,794	13.64	3.815
2022	169,592	10.18	1.727	75,911	11.78	0.894	245,503	10.68	2.621
2023	154,646	10.17	1.572	83,892	10.81	0.907	238,538	10.39	2.479
2024	161,512	9.89	1.598	83,253	10.19	0.848	244,765	9.99	2.446

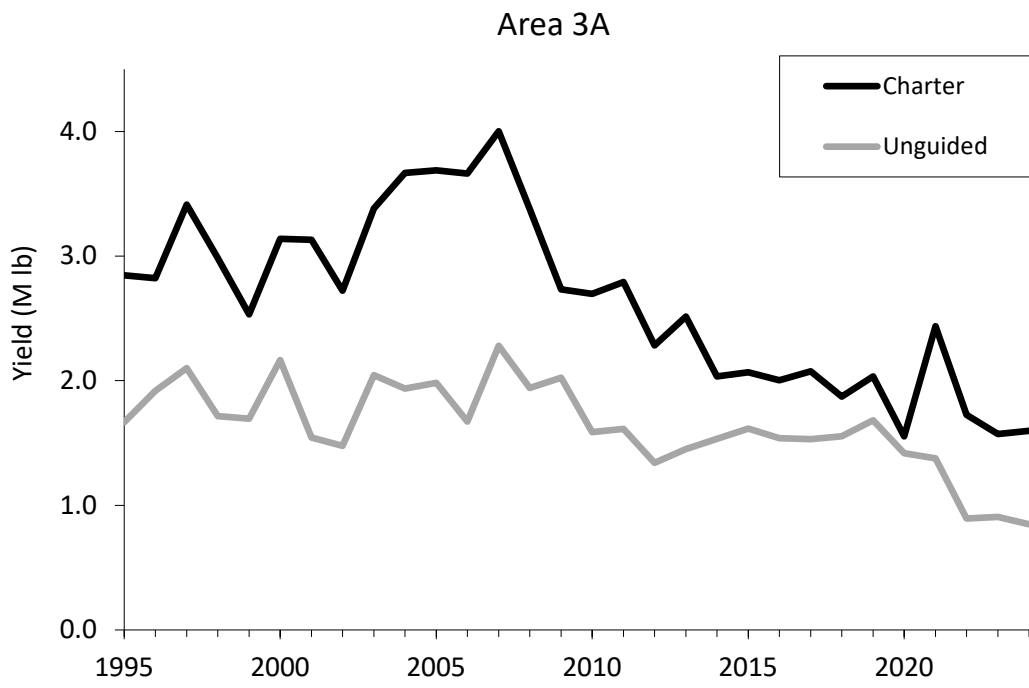


Figure 2.1. Charter and Unguided halibut yield (M lb) in Area 3A since 1995.

3. Comparison of Charter Logbook and Mail Survey Estimates

Table 3.1. Comparison of estimates of charter halibut yield based on numbers of fish reported harvested in charter logbooks and estimated via the ADF&G Statewide Harvest Survey (SWHS), 2006-2024. Logbook data include all reported harvest by clients, comps, and crew.

Area	Year	Logbook		SWHS	
		Yield (Mlb)	StdError	Yield (Mlb)	StdError
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
	2011	0.452	0.005	0.344	0.015
	2012	0.728	0.025	0.605	0.034
	2013	0.825	0.026	0.762	0.037
	2014	0.783	0.014	0.677	0.027
	2015	0.768	0.013	0.739	0.030
	2016	0.789	0.010	0.623	0.024
	2017	0.901	0.029	0.647	0.028
	2018	0.656	0.019	0.551	0.022
	2019	0.662	0.020	0.483	0.020
	2020	0.461	0.019	0.390	0.017
	2021	1.128	0.037	0.979	0.044
	2022	0.810	0.020	0.684	0.011
	2023	0.799	0.024	0.608	0.027
	2024	0.815	0.025	0.706	0.036
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
	2011	3.308	0.133	2.793	0.129
	2012	2.802	0.087	2.284	0.087
	2013	2.724	0.085	2.514	0.093
	2014	2.034	0.069	1.858	0.076
	2015	2.067	0.079	1.918	0.082
	2016	2.004	0.080	1.913	0.089
	2017	2.076	0.082	1.945	0.090
	2018	1.874	0.057	1.829	0.072
	2019	2.036	0.069	1.943	0.079
	2020	1.554	0.044	1.334	0.051
	2021	2.437	0.085	2.166	0.090
2022	1.727	0.055	1.436	0.062	
2023	1.572	0.079	1.305	0.075	
2024	1.598	0.055	1.510	0.069	

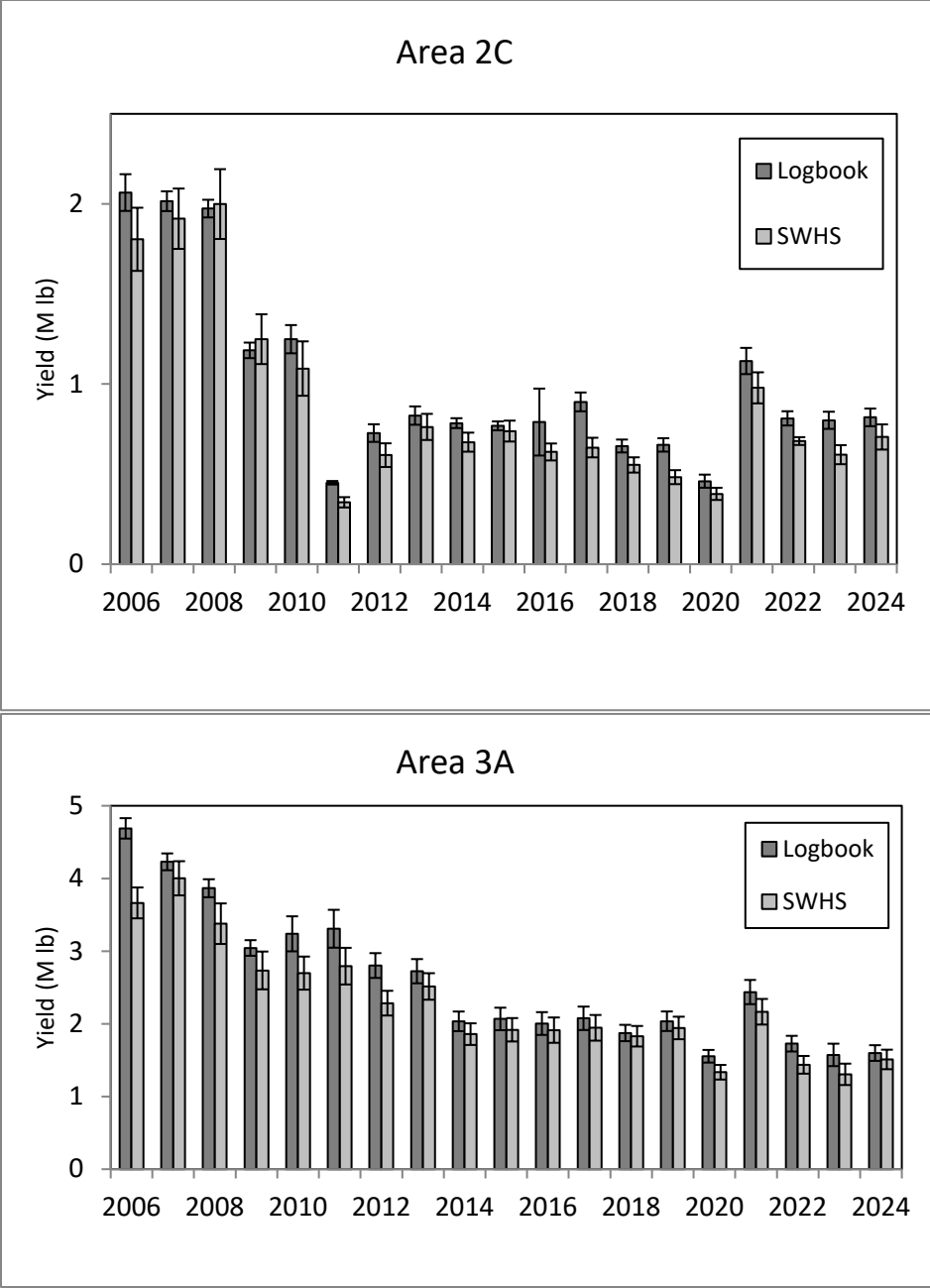


Figure 3.1. Comparison of logbook- and SWHS-based estimates of charter halibut yield in Areas 2C and 3A (with approx 95% confidence intervals).