

**Analysis of Management Options for the Area 2C and 3A
Charter Halibut Fisheries for 2025**

A Report to the North Pacific Fishery Management Council

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This document contains only the tables requested for 2025 management measures analyses. Methods used were very similar to past years. This document was provided to give the Charter Halibut Committee (CHMC) time to review their options before their meeting on December 3, 2024. The full document will be available for that meeting.

For reference the charter allocations in 2024 were 0.810 Milb in area 2C and 1.89 Milb in area 3A.

A correction was made to the to the status quo forecast in 2C that reduced the projected number of fish harvested in 2025 from 104,354 to 95,926. All 2C tables have been updated to reflect this. No changes were made to 3A tables.

**Analysis of Management Options for the Area 2C
Charter Halibut Fisheries for 2025**

Table 2C.1: Subareas of IPHC Areas 2C, ports where ADF&G halibut sampling occurs, and Subarea abbreviations used in tables and figures in this report.

IPHC Area	Subarea	Ports with Sampling and Angler Interviews	Abbreviations
2C	Ketchikan	Ketchikan	Ketch, A
	Prince of Wales Island	Craig, Klawock	PWalesI, PWI, B
	Petersburg/Wrangell	Petersburg, Wrangell	Pburg, C
	Sitka	Sitka	D
	Juneau, Haines, Skagway	Juneau	Jun, E, EF
	Glacier Bay (2C portion)	Gustavus, Elfin Cove	GlacB, GlacB-2C, G2C

Table 2C.2: Charter logbook effort, harvest per unit effort, and harvest of halibut in IPHC Area 2C, 2015 - 2024. Preliminary numbers for 2024 (in italics) are based on logbook data for charter trips entered as of November 6th, 2024.

Year	Subarea						Total 2C
	Ketch	PWI	Pburg	Sitka	Jun	GlacB-2C	
Effort (angler-days)*							
2015	16,685	21,931	3,071	31,113	11,391	10,613	94,804
2016	16,595	23,440	3,373	31,093	12,069	9,694	96,264
2017	18,678	25,466	3,133	33,481	13,729	9,786	104,273
2018	21,661	25,708	3,538	32,394	13,993	11,396	108,690
2019	20,998	24,412	3,194	33,057	14,674	10,414	106,749
2020	4,521	12,644	1,934	16,605	4,089	5,133	44,926
2021	13,536	26,082	3,303	33,689	12,112	12,618	101,340
2022	21,223	28,486	3,293	37,044	12,965	13,761	116,772
2023	25,240	27,772	3,302	33,862	12,717	13,100	115,993
2024	<i>26,005</i>	<i>27,750</i>	<i>2,635</i>	<i>33,692</i>	<i>13,313</i>	<i>12,477</i>	<i>115,872</i>
Halibut Harvest per Angler-Day (HPUE)							
2015	0.465	0.744	0.691	0.759	0.675	0.768	0.693
2016	0.507	0.725	0.621	0.789	0.633	0.667	0.687
2017	0.460	0.753	0.630	0.777	0.592	0.692	0.677
2018	0.440	0.729	0.606	0.751	0.572	0.637	0.644
2019	0.439	0.742	0.523	0.766	0.615	0.699	0.661
2020	0.776	0.771	0.768	0.834	0.854	0.783	0.804
2021	0.674	0.794	0.668	0.806	0.718	0.786	0.768
2022	0.480	0.794	0.610	0.807	0.689	0.706	0.714
2023	0.533	0.814	0.631	0.824	0.741	0.721	0.732
2024	<i>0.587</i>	<i>0.870</i>	<i>0.687</i>	<i>0.839</i>	<i>0.777</i>	<i>0.794</i>	<i>0.775</i>
Harvest (number of halibut)							
2015	7,762	16,322	2,121	23,611	7,687	8,153	65,656
2016	8,414	16,999	2,095	24,528	7,642	6,469	66,147
2017	8,590	19,173	1,975	26,018	8,123	6,769	70,648
2018	9,530	18,731	2,143	24,327	7,998	7,255	69,984
2019	9,217	18,105	1,672	25,306	9,020	7,280	70,600
2020	3,507	9,750	1,485	13,848	3,490	4,020	36,100
2021	9,125	20,706	2,206	27,155	8,692	9,919	77,803
2022	10,177	22,608	2,009	29,693	8,928	9,721	83,136
2023	13,454	22,618	2,082	27,896	9,419	9,442	84,911
2024	<i>15,270</i>	<i>24,145</i>	<i>1,809</i>	<i>28,281</i>	<i>10,343</i>	<i>9,904</i>	<i>89,752</i>

*Effort is defined as an angler-day on open days with recorded bottomfish hours or harvest of at least one halibut.

Table 2C.3. Forecasts of effort, halibut harvest per unit effort (HPUE), and harvest (numbers of halibut) for Area 2C in 2025 under status quo regulations, with associated standard errors. Status quo regulations include a one-fish bag limit, a U40O80 reverse slot size limit through July 14th, a U36O80 reverse slot size limit after July 14th, and Fridays closed beginning on July 19th through September 13th.

Subarea	Effort (angler-days)**	HPUE	Std Error	Harvest (no. halibut)	Std Error
Ketch	26,005	0.587	0.045	15,264	1,162
PWI	27,750	0.869	0.044	24,127	1,225
Pburg	2,635	0.687	0.047	1,810	123
Sitka	33,692	0.834	0.045	28,090	1,519
Jun	13,313	0.817	0.045	10,872	596
GlacB-2C	12,477	0.767	0.057	9,564	712
Area 2C	115,872	0.775	*	89,727	2,457

*This SE cannot be calculated because unlike effort and harvest, HPUE is not expected to additive across subareas.

**2C regulations in 2023 measures aimed to reduce effort through day closures. For this year, preliminary effort data for 2024 was used in the 2025 forecasts.

Table 2C.4. Projected charter removals (Mlb, includes release mortality) for Area 2C in 2025 under reverse slot limits ranging from U32O50 to U50O80 with a 1-fish bag limit. Shaded cells represent projections for the most liberal combinations that do not exceed the 2024 allocation of 0.810 Mlb. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. The harvest projection is for all days open throughout the season. The last column is the discard mortality estimate (Mlb) for the UXO80 removal estimates.

Harvest = 95,926

Lower Limit (in)	Upper Length Limit (in)															Amount of discard mortality at uXo80	
	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78		80
32	1.437	1.332	1.255	1.168	1.107	1.049	0.969	0.893	0.850	0.817	0.784	0.761	0.730	0.711	0.709	0.695	0.028
33	1.465	1.362	1.286	1.200	1.138	1.082	1.002	0.926	0.883	0.850	0.817	0.795	0.763	0.745	0.743	0.728	0.029
34	1.499	1.398	1.322	1.236	1.176	1.119	1.040	0.965	0.922	0.889	0.856	0.834	0.803	0.784	0.782	0.768	0.031
35	1.524	1.424	1.349	1.264	1.204	1.148	1.069	0.994	0.952	0.919	0.886	0.864	0.833	0.814	0.812	0.798	0.032
36	1.565	1.467	1.393	1.309	1.250	1.194	1.116	1.042	1.000	0.967	0.934	0.912	0.881	0.863	0.861	0.847	0.034
37	1.590	1.493	1.419	1.336	1.277	1.222	1.145	1.071	1.029	0.996	0.964	0.942	0.911	0.892	0.890	0.876	0.035
38	1.628	1.532	1.460	1.378	1.319	1.265	1.188	1.115	1.073	1.041	1.008	0.986	0.956	0.937	0.935	0.921	0.037
39	1.655	1.561	1.490	1.408	1.350	1.296	1.220	1.147	1.105	1.073	1.041	1.019	0.989	0.970	0.968	0.954	0.038
40	1.678	1.585	1.515	1.434	1.377	1.323	1.247	1.174	1.133	1.101	1.069	1.047	1.017	0.998	0.996	0.982	0.040
41	1.706	1.615	1.545	1.465	1.408	1.355	1.280	1.208	1.167	1.135	1.103	1.081	1.051	1.033	1.030	1.017	0.041
42	1.724	1.634	1.565	1.486	1.430	1.377	1.302	1.230	1.189	1.157	1.126	1.104	1.074	1.056	1.054	1.040	0.042
43	1.745	1.655	1.587	1.509	1.453	1.400	1.326	1.254	1.214	1.182	1.150	1.129	1.099	1.081	1.079	1.065	0.043
44	1.774	1.686	1.619	1.541	1.486	1.434	1.360	1.289	1.249	1.217	1.186	1.165	1.134	1.116	1.114	1.100	0.044
45	1.806	1.719	1.653	1.577	1.522	1.470	1.397	1.327	1.287	1.255	1.224	1.203	1.173	1.155	1.153	1.139	0.046
46	1.827	1.742	1.677	1.601	1.547	1.496	1.422	1.353	1.313	1.282	1.250	1.229	1.199	1.181	1.179	1.166	0.047
47	1.856	1.773	1.708	1.633	1.580	1.529	1.457	1.388	1.348	1.317	1.286	1.265	1.235	1.217	1.215	1.201	0.048
48	1.877	1.795	1.731	1.657	1.604	1.553	1.481	1.412	1.373	1.342	1.311	1.290	1.260	1.242	1.240	1.227	0.049
49	1.911	1.830	1.768	1.694	1.642	1.592	1.521	1.453	1.413	1.383	1.352	1.331	1.302	1.284	1.282	1.268	0.051
50	1.934	1.855	1.793	1.721	1.669	1.620	1.549	1.481	1.442	1.412	1.381	1.360	1.331	1.313	1.311	1.298	0.052

Table 2C.5. Projected charter removals (Mlb, includes release mortality) for Area 2C in 2025 under reverse slot limits ranging from U35O80 to U40O80 with a 1-fish bag limit *and* a limit of **one trip per vessel and one trip per permit per day**. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. The harvest projection is for all days open throughout the season.

Harvest = 93,202

		Upper Length Limit (in)
		80
	35	0.783
	36	0.831
Lower Length Limit (in)	37	0.860
	38	0.905
	39	0.938
	40	0.966

Table 2C.6. Projected charter **savings per day** (lbs) for Area 2C in 2025 under reverse slot limits with lower limits of the protected slot ranging from 32 to 50 inches and an upper limit of 80 inches with with days closed between May 15 and September 15 for **Tuesday, Thursday, and Saturday**. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. To determine removals from a closed day(s), take the total removals for a given lower slot limit and subtract the savings from a date(s) in that row.

a. Tuesday closures

Lower Length Limit (in)	Closed Tuesdays																		Projected removals (O80)
	September	September	August	August	August	August	July	July	July	July	July	June	June	June	June	May	May	May	
	9	2	26	19	12	5	29	22	15	8	1	24	17	10	3	27	20	13	
32	1,897	4,420	6,573	8,184	6,610	9,130	9,499	8,821	7,954	9,563	6,899	8,494	7,867	5,529	4,755	3,140	2,254	967	694,913
33	2,004	4,632	6,893	8,579	6,929	9,570	9,956	9,239	8,322	10,021	7,223	8,895	8,240	5,774	4,991	3,287	2,360	1,018	728,419
34	2,123	4,899	7,264	9,028	7,298	10,085	10,486	9,733	8,756	10,549	7,599	9,374	8,689	6,086	5,270	3,479	2,501	1,085	768,088
35	2,217	5,093	7,546	9,380	7,587	10,481	10,890	10,113	9,096	10,963	7,881	9,735	9,038	6,326	5,492	3,626	2,607	1,131	797,970
36	2,376	5,414	8,003	9,936	8,036	11,113	11,539	10,717	9,627	11,617	8,319	10,311	9,585	6,709	5,862	3,875	2,786	1,216	846,577
37	2,467	5,620	8,277	10,275	8,320	11,508	11,934	11,093	9,963	12,014	8,586	10,674	9,925	6,957	6,085	4,029	2,896	1,265	876,190
38	2,615	5,920	8,702	10,805	8,766	12,113	12,544	11,666	10,471	12,632	9,017	11,223	10,451	7,303	6,410	4,238	3,046	1,333	921,196
39	2,718	6,139	9,010	11,182	9,072	12,543	12,984	12,077	10,836	13,076	9,315	11,616	10,822	7,569	6,659	4,407	3,167	1,389	954,090
40	2,824	6,324	9,278	11,519	9,350	12,921	13,362	12,439	11,156	13,476	9,563	11,949	11,167	7,799	6,894	4,561	3,279	1,438	982,376
41	2,945	6,558	9,599	11,923	9,696	13,388	13,824	12,877	11,545	13,947	9,879	12,367	11,574	8,066	7,153	4,728	3,396	1,491	1,016,534
42	3,025	6,717	9,815	12,196	9,925	13,701	14,132	13,179	11,819	14,275	10,078	12,645	11,864	8,275	7,351	4,866	3,497	1,532	1,039,750
43	3,107	6,885	10,049	12,496	10,174	14,043	14,470	13,504	12,117	14,626	10,295	12,950	12,157	8,492	7,556	5,001	3,589	1,569	1,064,687
44	3,234	7,117	10,387	12,910	10,510	14,507	14,945	13,951	12,508	15,120	10,616	13,367	12,582	8,775	7,840	5,192	3,730	1,635	1,100,461
45	3,357	7,383	10,742	13,340	10,866	15,006	15,448	14,433	12,934	15,634	10,948	13,824	13,030	9,104	8,145	5,410	3,890	1,708	1,138,779
46	3,450	7,576	10,986	13,631	11,111	15,351	15,791	14,768	13,225	15,991	11,172	14,138	13,359	9,343	8,366	5,578	4,019	1,767	1,165,575
47	3,579	7,810	11,326	14,058	11,469	15,831	16,274	15,226	13,629	16,494	11,508	14,567	13,795	9,619	8,640	5,754	4,148	1,824	1,201,382
48	3,670	7,978	11,565	14,343	11,700	16,155	16,606	15,539	13,898	16,838	11,731	14,859	14,095	9,821	8,843	5,895	4,255	1,876	1,226,753
49	3,789	8,241	11,956	14,848	12,117	16,717	17,176	16,080	14,396	17,427	12,139	15,371	14,587	10,164	9,140	6,087	4,388	1,926	1,268,036
50	3,896	8,437	12,235	15,211	12,425	17,127	17,578	16,469	14,751	17,855	12,402	15,730	14,954	10,413	9,386	6,244	4,498	1,969	1,297,521

Table 2C.6. (continued)

b. Thursday closures

Lower Length Limit (in)	Closed Thursdays																		Projected removals (O80)
	September	September	August	August	August	August	August	July	July	July	July	June	June	June	June	May	May	May	
	12	5	29	22	15	8	1	25	18	11	4	27	20	13	6	30	23	16	
32	893	2,884	5,847	7,922	7,253	8,549	9,321	9,339	9,913	8,774	6,546	8,568	7,755	6,266	4,881	3,048	2,199	1,599	694,913
33	948	3,035	6,145	8,287	7,594	8,953	9,760	9,785	10,387	9,182	6,869	8,972	8,123	6,551	5,122	3,202	2,304	1,676	728,419
34	1,011	3,222	6,490	8,724	7,994	9,426	10,285	10,307	10,943	9,664	7,248	9,456	8,559	6,906	5,409	3,388	2,443	1,778	768,088
35	1,055	3,356	6,749	9,047	8,301	9,782	10,671	10,702	11,359	10,035	7,535	9,822	8,890	7,175	5,631	3,536	2,543	1,852	797,970
36	1,132	3,586	7,186	9,560	8,775	10,354	11,295	11,335	12,020	10,619	7,999	10,401	9,421	7,608	6,006	3,799	2,721	1,985	846,577
37	1,174	3,730	7,452	9,875	9,074	10,705	11,674	11,723	12,423	10,975	8,282	10,753	9,752	7,885	6,237	3,951	2,826	2,061	876,190
38	1,249	3,944	7,850	10,358	9,544	11,241	12,256	12,321	13,060	11,525	8,724	11,303	10,252	8,281	6,564	4,153	2,966	2,163	921,196
39	1,297	4,097	8,144	10,708	9,868	11,631	12,679	12,751	13,507	11,923	9,037	11,695	10,614	8,579	6,819	4,330	3,086	2,252	954,090
40	1,346	4,232	8,398	10,993	10,151	11,955	13,026	13,117	13,887	12,270	9,316	12,040	10,924	8,830	7,043	4,496	3,187	2,328	982,376
41	1,404	4,403	8,709	11,346	10,508	12,355	13,456	13,568	14,362	12,682	9,657	12,451	11,306	9,133	7,302	4,659	3,294	2,405	1,016,534
42	1,438	4,513	8,913	11,582	10,741	12,622	13,740	13,867	14,668	12,971	9,882	12,736	11,565	9,355	7,493	4,802	3,383	2,472	1,039,750
43	1,467	4,627	9,142	11,837	10,995	12,918	14,046	14,195	15,001	13,277	10,122	13,027	11,848	9,591	7,700	4,945	3,467	2,534	1,064,687
44	1,531	4,796	9,457	12,209	11,345	13,330	14,498	14,657	15,485	13,714	10,470	13,467	12,234	9,904	7,974	5,149	3,601	2,636	1,100,461
45	1,589	4,983	9,798	12,608	11,717	13,773	14,983	15,149	15,994	14,176	10,833	13,929	12,655	10,265	8,281	5,373	3,755	2,751	1,138,779
46	1,637	5,123	10,031	12,882	11,971	14,071	15,318	15,484	16,343	14,498	11,091	14,262	12,944	10,521	8,496	5,542	3,874	2,843	1,165,575
47	1,701	5,293	10,346	13,256	12,342	14,488	15,771	15,954	16,843	14,940	11,448	14,707	13,338	10,830	8,760	5,720	3,991	2,929	1,201,382
48	1,749	5,417	10,569	13,518	12,584	14,776	16,091	16,277	17,183	15,246	11,693	15,020	13,609	11,053	8,956	5,871	4,093	3,008	1,226,753
49	1,797	5,585	10,916	13,981	13,031	15,283	16,631	16,836	17,770	15,778	12,089	15,532	14,079	11,433	9,253	6,055	4,214	3,095	1,268,036
50	1,840	5,722	11,182	14,278	13,341	15,628	16,989	17,224	18,170	16,146	12,383	15,889	14,412	11,703	9,490	6,219	4,307	3,163	1,297,521

Table 2C.6. (continued)

c. Saturday closures

Lower Length Limit (in)	Closed Saturdays																		Projected removals (O80)
	September	September	August	August	August	August	August	July	July	July	July	June	June	June	June	May	May	May	
	13	6	30	23	16	9	2	26	19	12	5	28	21	14	7	31	24	17	
32	574	1,335	4,379	6,884	7,476	2,766	8,696	8,103	9,202	8,754	7,319	5,797	8,179	5,984	4,948	3,811	1,197	1,800	694,913
33	609	1,410	4,598	7,199	7,837	2,879	9,117	8,503	9,638	9,171	7,672	6,079	8,575	6,273	5,186	4,014	1,255	1,885	728,419
34	652	1,504	4,857	7,577	8,265	3,022	9,605	8,961	10,161	9,660	8,087	6,413	9,040	6,621	5,468	4,255	1,329	1,999	768,088
35	678	1,565	5,036	7,861	8,574	3,139	9,972	9,304	10,542	10,026	8,397	6,663	9,390	6,882	5,685	4,442	1,382	2,081	797,970
36	727	1,684	5,345	8,308	9,078	3,304	10,558	9,868	11,157	10,603	8,886	7,078	9,961	7,315	6,048	4,784	1,474	2,228	846,577
37	752	1,755	5,533	8,588	9,384	3,420	10,911	10,204	11,533	10,951	9,188	7,330	10,305	7,575	6,267	4,984	1,526	2,313	876,190
38	797	1,854	5,815	9,013	9,859	3,592	11,471	10,725	12,113	11,509	9,668	7,707	10,829	7,959	6,580	5,251	1,603	2,425	921,196
39	827	1,932	6,023	9,320	10,199	3,710	11,866	11,105	12,530	11,898	9,999	7,987	11,215	8,252	6,826	5,479	1,664	2,524	954,090
40	853	1,993	6,179	9,572	10,472	3,818	12,205	11,425	12,869	12,233	10,285	8,225	11,545	8,504	7,038	5,688	1,717	2,607	982,376
41	886	2,072	6,389	9,887	10,821	3,950	12,622	11,816	13,297	12,646	10,647	8,512	11,940	8,795	7,278	5,909	1,775	2,691	1,016,534
42	901	2,119	6,510	10,100	11,039	4,052	12,892	12,068	13,573	12,914	10,876	8,707	12,208	9,004	7,457	6,083	1,819	2,764	1,039,750
43	914	2,172	6,653	10,332	11,278	4,158	13,184	12,351	13,870	13,197	11,122	8,920	12,496	9,221	7,649	6,270	1,861	2,832	1,064,687
44	952	2,253	6,861	10,654	11,638	4,283	13,616	12,760	14,314	13,628	11,485	9,221	12,917	9,544	7,915	6,524	1,932	2,945	1,100,461
45	987	2,346	7,091	11,007	12,023	4,428	14,065	13,187	14,792	14,072	11,863	9,547	13,362	9,892	8,208	6,806	2,008	3,072	1,138,779
46	1,015	2,414	7,242	11,248	12,287	4,531	14,374	13,473	15,123	14,382	12,127	9,773	13,672	10,142	8,412	7,010	2,067	3,173	1,165,575
47	1,053	2,489	7,449	11,576	12,650	4,668	14,817	13,883	15,571	14,826	12,507	10,070	14,090	10,453	8,665	7,237	2,132	3,267	1,201,382
48	1,082	2,552	7,598	11,801	12,907	4,752	15,121	14,170	15,887	15,130	12,762	10,283	14,389	10,686	8,855	7,422	2,186	3,354	1,226,753
49	1,107	2,619	7,837	12,211	13,331	4,938	15,634	14,643	16,416	15,647	13,199	10,625	14,870	11,035	9,149	7,650	2,253	3,450	1,268,036
50	1,126	2,675	7,994	12,481	13,608	5,068	15,986	14,974	16,763	15,994	13,501	10,872	15,210	11,289	9,367	7,859	2,302	3,525	1,297,521

Table 2C.7. Projected charter **savings per day** (lbs) for Area 2C in 2025 under reverse slot limits with lower limits of the protected slot ranging from 32 to 42 inches and an upper limit of 80 inches with days closed between May 15 and September 15 for **Tuesday, Thursday, and Saturday and a limit of one trip per vessel and one trip per permit per day** All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. To determine removals from a closed day(s), take the total removals for a given lower slot limit and subtract the savings from a date(s) in that row.

a. Tuesday closures

Lower Length Limit (in)	Closed Tuesdays																		Projected removals (O80)
	September	September	August	August	August	August	July	July	July	July	July	June	June	June	June	May	May	May	
	9	2	26	19	12	5	29	22	15	8	1	24	17	10	3	27	20	13	
32	1,833	4,302	6,398	7,963	6,416	8,878	9,246	8,590	7,755	9,316	6,702	8,266	7,659	5,423	4,650	3,087	2,218	948	676,876
33	1,937	4,508	6,709	8,346	6,724	9,304	9,688	8,996	8,113	9,760	7,015	8,655	8,021	5,663	4,881	3,232	2,322	997	709,390
34	2,051	4,767	7,069	8,781	7,082	9,804	10,203	9,476	8,535	10,273	7,379	9,120	8,456	5,969	5,153	3,421	2,460	1,062	747,935
35	2,142	4,956	7,343	9,124	7,362	10,189	10,597	9,847	8,867	10,676	7,653	9,472	8,797	6,204	5,370	3,565	2,564	1,108	777,063
36	2,296	5,268	7,788	9,664	7,798	10,803	11,227	10,434	9,385	11,313	8,077	10,032	9,329	6,581	5,733	3,810	2,742	1,191	824,405
37	2,384	5,469	8,055	9,994	8,073	11,187	11,612	10,800	9,712	11,701	8,337	10,384	9,660	6,824	5,951	3,961	2,849	1,239	853,238
38	2,526	5,760	8,467	10,508	8,504	11,773	12,204	11,356	10,206	12,300	8,754	10,917	10,170	7,163	6,267	4,167	2,996	1,306	896,905
39	2,626	5,973	8,768	10,875	8,801	12,191	12,632	11,757	10,562	12,733	9,042	11,300	10,531	7,424	6,512	4,333	3,116	1,361	928,972
40	2,729	6,154	9,029	11,203	9,072	12,560	13,001	12,110	10,875	13,123	9,284	11,625	10,868	7,650	6,742	4,485	3,226	1,409	956,606
41	2,845	6,381	9,340	11,595	9,406	13,013	13,449	12,536	11,254	13,581	9,589	12,030	11,262	7,912	6,995	4,648	3,342	1,461	989,743
42	2,923	6,537	9,552	11,862	9,630	13,319	13,750	12,832	11,521	13,902	9,783	12,303	11,547	8,118	7,189	4,785	3,441	1,501	1,012,520

Table 2C.7. (continued)

b. Thursday closures

Lower Length Limit (in)	Closed Thursdays																		Projected removals (O80)
	September	September	August	August	August	August	August	July	July	July	July	June	June	June	June	May	May	May	
	12	5	29	22	15	8	1	25	18	11	4	27	20	13	6	30	23	16	
32	855	2,794	5,685	7,722	7,044	8,328	9,079	9,089	9,632	8,556	6,356	8,344	7,553	6,129	4,773	3,011	2,166	1,579	676,876
33	906	2,939	5,974	8,076	7,375	8,720	9,505	9,522	10,091	8,953	6,669	8,735	7,910	6,407	5,008	3,162	2,269	1,655	709,390
34	966	3,120	6,308	8,501	7,762	9,179	10,015	10,028	10,629	9,422	7,035	9,206	8,333	6,755	5,289	3,345	2,406	1,756	747,935
35	1,009	3,249	6,560	8,816	8,060	9,527	10,392	10,413	11,033	9,784	7,315	9,562	8,656	7,017	5,506	3,492	2,505	1,829	777,063
36	1,083	3,472	6,986	9,316	8,520	10,084	10,999	11,029	11,675	10,353	7,765	10,126	9,173	7,441	5,874	3,752	2,680	1,960	824,405
37	1,123	3,612	7,244	9,622	8,810	10,426	11,368	11,407	12,067	10,701	8,040	10,469	9,495	7,713	6,100	3,902	2,784	2,036	853,238
38	1,194	3,818	7,630	10,092	9,265	10,946	11,932	11,986	12,682	11,235	8,467	11,002	9,981	8,099	6,418	4,101	2,921	2,136	896,905
39	1,241	3,967	7,916	10,433	9,579	11,326	12,344	12,405	13,117	11,623	8,771	11,384	10,333	8,391	6,668	4,276	3,039	2,224	928,972
40	1,287	4,098	8,164	10,712	9,855	11,642	12,684	12,762	13,487	11,963	9,043	11,720	10,636	8,638	6,888	4,440	3,140	2,299	956,606
41	1,343	4,263	8,465	11,054	10,200	12,031	13,100	13,199	13,947	12,363	9,372	12,119	11,007	8,933	7,141	4,601	3,245	2,375	989,743
42	1,375	4,371	8,665	11,286	10,428	12,292	13,378	13,492	14,246	12,646	9,593	12,399	11,260	9,152	7,328	4,743	3,333	2,442	1,012,520

Table 2C.7. (continued)

c. Saturday closures

Lower Length Limit (in)	Closed Saturdays																		Projected removals (O80)
	September	September	August	August	August	August	August	July	July	July	July	June	June	June	June	May	May	May	
	13	6	30	23	16	9	2	26	19	12	5	28	21	14	7	31	24	17	
32	547	1,295	4,249	6,710	7,266	2,703	8,450	7,881	8,953	8,507	7,100	5,650	7,968	5,845	4,847	3,746	1,174	1,778	676,876
33	581	1,368	4,461	7,017	7,614	2,814	8,857	8,269	9,375	8,910	7,441	5,924	8,352	6,126	5,079	3,945	1,230	1,863	709,390
34	622	1,458	4,711	7,385	8,029	2,953	9,330	8,713	9,882	9,383	7,842	6,249	8,804	6,466	5,355	4,181	1,302	1,975	747,935
35	646	1,518	4,886	7,662	8,329	3,067	9,687	9,047	10,253	9,739	8,143	6,493	9,145	6,720	5,568	4,365	1,354	2,056	777,063
36	693	1,634	5,186	8,097	8,819	3,229	10,256	9,595	10,852	10,299	8,617	6,897	9,702	7,144	5,924	4,701	1,444	2,202	824,405
37	717	1,702	5,367	8,370	9,116	3,343	10,599	9,922	11,217	10,637	8,909	7,143	10,036	7,398	6,138	4,898	1,496	2,286	853,238
38	760	1,798	5,640	8,783	9,575	3,510	11,140	10,426	11,779	11,176	9,373	7,508	10,546	7,772	6,444	5,160	1,571	2,396	896,905
39	788	1,874	5,841	9,082	9,905	3,626	11,524	10,796	12,185	11,555	9,694	7,782	10,922	8,058	6,686	5,385	1,630	2,494	928,972
40	813	1,934	5,993	9,329	10,171	3,731	11,854	11,108	12,515	11,881	9,971	8,014	11,244	8,305	6,894	5,590	1,683	2,577	956,606
41	844	2,009	6,196	9,634	10,509	3,861	12,258	11,487	12,929	12,280	10,321	8,293	11,628	8,589	7,128	5,807	1,739	2,659	989,743
42	859	2,056	6,315	9,843	10,722	3,960	12,521	11,734	13,200	12,542	10,545	8,485	11,890	8,794	7,304	5,979	1,783	2,732	1,012,520

Table 2C.8. Projected removals (Mlb) for changing the lower slot limit from a range of 38-42 inches at start of the season to 32-38 inches after July 1, July 15, and August 1. All analyses assume an upper slot limit of 80 inches and all days of the season open to fishing and include corrections for errors in estimation of average weight and inflation factors for release mortality.

Starting Lower Slot Limit	Ending Lower Slot Limit	Removals		
		1-Jul	15-Jul	1-Aug
38	32	0.766	0.799	0.842
	33	0.789	0.817	0.854
	34	0.816	0.838	0.867
	35	0.837	0.855	0.878
	36	0.870	0.881	0.895
	37	0.890	0.897	0.905
	38	0.921	0.921	0.921
39	32	0.921	0.814	0.863
	33	0.799	0.832	0.875
	34	0.827	0.854	0.889
	35	0.847	0.870	0.899
	36	0.880	0.896	0.916
	37	0.901	0.912	0.927
	38	0.932	0.936	0.943
40	32	0.785	0.827	0.882
	33	0.809	0.845	0.893
	34	0.836	0.867	0.907
	35	0.856	0.883	0.918
	36	0.889	0.909	0.935
	37	0.910	0.925	0.945
	38	0.941	0.950	0.961
41	32	0.796	0.843	0.904
	33	0.819	0.861	0.915
	34	0.846	0.883	0.929
	35	0.867	0.899	0.940
	36	0.900	0.925	0.957
	37	0.920	0.941	0.967
	38	0.952	0.965	0.983
42	32	0.804	0.854	0.919
	33	0.827	0.872	0.931
	34	0.854	0.893	0.945
	35	0.875	0.910	0.955
	36	0.908	0.936	0.972
	37	0.928	0.952	0.982
	38	0.959	0.976	0.998

Table 2C.9. Projected removals (Mlb) for changing the lower slot limit from a range of 38-42 inches at start of the season to 32-38 inches after July 1, July 15, and August 1 *and a limit of one trip per vessel and one trip per permit per day*. All analyses assume an upper slot limit of 80 inches and all days of the season open to fishing and include corrections for errors in estimation of average weight and inflation factors for release mortality.

		Removals		
Starting Lower Slot Limit	Ending Lower Slot Limit	1-Jul	15-Jul	1-Aug
38	32	0.746	0.778	0.820
	33	0.768	0.796	0.831
	34	0.795	0.816	0.845
	35	0.815	0.832	0.855
	36	0.847	0.858	0.871
	37	0.867	0.873	0.882
	38	0.897	0.897	0.897
39	32	0.897	0.793	0.841
	33	0.779	0.810	0.852
	34	0.805	0.831	0.865
	35	0.825	0.847	0.876
	36	0.857	0.872	0.892
	37	0.877	0.888	0.902
	38	0.907	0.912	0.918
40	32	0.765	0.806	0.859
	33	0.788	0.823	0.870
	34	0.814	0.844	0.883
	35	0.834	0.860	0.894
	36	0.866	0.885	0.910
	37	0.886	0.901	0.920
	38	0.916	0.925	0.936
41	32	0.775	0.821	0.880
	33	0.798	0.839	0.891
	34	0.824	0.859	0.905
	35	0.844	0.875	0.915
	36	0.877	0.901	0.932
	37	0.896	0.916	0.942
	38	0.927	0.940	0.957
42	32	0.783	0.832	0.895
	33	0.806	0.849	0.906
	34	0.832	0.870	0.920
	35	0.852	0.886	0.930
	36	0.884	0.911	0.947
	37	0.904	0.927	0.957
	38	0.934	0.951	0.972

**Analysis of Management Options for the Area 3A
Charter Halibut Fisheries for 2025**

Table 3A.10: Subareas of IPHC Area 3A, ports where ADF&G halibut sampling occurs, and Subarea abbreviations used in tables and figures in this report.

IPHC Area	Subarea	Ports with Sampling and Angler Interviews	Abbreviations
3A	Glacier Bay (3A portion)	Gustavus, Elfin Cove	GlacB, GlacB-3A, G3A
	Yakutat	Yakutat	Yak, H
	Eastern Prince William Sound	Valdez	EPWS
	Western Prince William Sound	Whittier	WPWS
	North Gulf	Seward	NGulf, NGC
	Lower Cook Inlet	Homer	LCI
	Central Cook Inlet	Anchor Point, Deep Creek	CCI
	Kodiak	Kodiak	Kod, QR

Table 3A.11. Charter logbook effort, harvest per unit effort, and harvest of halibut in IPHC Area 3A, 2015 - 2024. Preliminary estimates for 2024 (in italics) are based on logbook data for charter trips through August 31, 2024, entered as of November 6th, 2024.

Year	Subarea								Tot 3A
	GlacB-3A	Yak	EPWS	WPWS	NGulf	CCI	LCI	Kod	
Effort (angler-days)									
2015	1,852	3,267	3,527	3,484	30,864	19,882	33,011	8,756	104,643
2016	1,887	3,382	4,126	4,094	33,007	16,865	36,978	8,427	108,766
2017	2,211	3,405	3,579	3,679	27,934	17,330	35,426	7,899	101,463
2018	2,739	4,412	4,045	3,955	27,535	16,871	33,723	8,476	101,756
2019	2,094	4,365	4,653	4,764	29,889	15,184	33,663	8,961	103,573
2020	958	1,994	3,495	3,770	20,694	10,773	24,250	5,851	71,745
2021	1,282	4,220	4,940	4,721	32,297	17,284	46,506	12,628	123,878
2022	1,130	4,130	4,718	4,597	30,120	15,897	42,965	12,385	115,942
2023	1,046	2,874	3,925	4,730	26,020	12,840	39,899	11,778	103,112
2024	<i>1,136</i>	<i>3,106</i>	<i>4,052</i>	<i>5,222</i>	<i>27,321</i>	<i>12,136</i>	<i>41,180</i>	<i>10,614</i>	<i>104,767</i>
Halibut Harvest per Angler-Day (HPUE)									
2015	0.746	0.983	1.218	1.330	1.501	1.802	1.791	1.010	1.564
2016	0.757	0.964	1.149	1.096	1.294	1.705	1.741	1.001	1.455
2017	0.728	0.939	1.143	1.016	1.166	1.665	1.718	0.983	1.406
2018	0.688	0.980	1.187	1.088	1.056	1.670	1.668	0.883	1.340
2019	0.755	0.985	1.103	1.094	1.143	1.660	1.642	0.916	1.343
2020	0.899	1.157	1.379	1.296	1.212	1.779	1.744	1.227	1.486
2021	0.981	1.116	1.431	1.138	1.177	1.831	1.759	1.154	1.489
2022	0.662	0.888	1.364	0.936	1.225	1.795	1.746	1.129	1.463
2023	0.598	1.020	1.240	1.073	1.279	1.820	1.766	1.204	1.508
2024	<i>0.613</i>	<i>0.921</i>	<i>1.314</i>	<i>1.178</i>	<i>1.269</i>	<i>1.840</i>	<i>1.807</i>	<i>1.230</i>	<i>1.527</i>
Harvest (number of halibut)*									
2015	1,381	3,210	4,296	4,635	46,321	35,834	59,110	8,845	163,632
2016	1,428	3,259	4,742	4,487	42,721	28,747	64,392	8,438	158,214
2017	1,609	3,196	4,090	3,737	32,576	28,850	60,845	7,761	142,664
2018	1,884	4,322	4,803	4,302	29,068	28,183	56,262	7,488	136,312
2019	1,582	4,301	5,132	5,214	34,171	25,200	55,274	8,208	139,082
2020	861	2,308	4,882	4,887	25,078	19,094	42,299	7,180	106,589
2021	1,257	4,709	7,070	5,371	38,000	31,640	81,825	14,569	184,441
2022	748	3,668	6,437	4,304	36,909	28,534	75,015	13,977	169,592
2023	626	2,707	4,867	5,076	33,262	23,245	70,809	14,054	154,646
2024	<i>703</i>	<i>2,835</i>	<i>5,293</i>	<i>6,181</i>	<i>34,711</i>	<i>22,334</i>	<i>74,392</i>	<i>12,950</i>	<i>159,399</i>

*Effort is defined as an angler-day on open days with recorded bottomfish hours or harvest of at least one halibut.

Table 3A.12. Forecasts of effort (angler-days), halibut harvest per unit effort (HPUE), and harvest (numbers of halibut) for Area 3A in 2025 under status quo regulations, with associated standard errors. Status quo regulations include a two-fish bag limit with a maximum size limit of 28 inches on one of the fish, no retention of halibut on Wednesdays, CHP trip limits, and vessel trip limits.

Subarea	Effort		HPUE	Std Error	Harvest	
	(angler-days)	Std Error			(no. halibut)	Std Error
CCI	12,277	69	1.840	0.117	22,590	1,445
EPWS	3,974	46	1.300	0.136	5,167	543
GlacB	1,136	9	0.613	0.158	696	180
Yak	3,384	126	0.942	0.139	3,190	485
LCI	42,153	436	1.807	0.072	76,186	3,145
NGulf	27,572	257	1.269	0.100	34,980	2,777
Kod	11,877	213	1.230	0.108	14,604	1,308
WPWS	5,021	102	1.140	0.146	5,722	740
Area 3A	107,393	69	1.519	NA	163,135	4,745

Table 3A.13. Area 3A projected harvest, change in harvest, and specified dates with status quo (grey) management measures combined with Wednesday openings.

Number of Closed Wednesdays	Beginning and Ending Dates	Percentage change in harvest	Projected Harvest (no. Fish)	Projected Removals (Mlb) (Size limit of 2nd fish is 28")
0	NA	18.0%	192,362	2.079
1	July 30	16.7%	190,323	2.057
2	July 30 - Aug 6	16.2%	189,608	2.049
3	July 23 - Aug 6	15.6%	188,490	2.037
4	July 16 - Aug 6	14.8%	187,345	2.024
5	July 16 - Aug 13	14.1%	186,199	2.011
6	July 9 - Aug 13	13.2%	184,681	1.995
7	July 2 - Aug 13	12.0%	182,675	1.973
8	July 2 - Aug 20	10.8%	180,856	1.953
9	June 25 - Aug 20	9.4%	178,643	1.929
10	June 18 - Aug 20	7.9%	176,089	1.901
11	June 18 - Aug 27	6.9%	174,529	1.884
12	June 11 - Aug 27	5.2%	171,707	1.854
13	June 4 - Aug 27	3.5%	168,857	1.824
14	June 4 - Sept 3	3.8%	166,225	1.830
48	Feb 01 - Dec 31	0.0%	163,135	1.762

Table 3A.14. Area 3A projected harvest, change in harvest, and specified dates with status quo (grey) management measures combined with Tuesday closures.

Number of Closed Tuesdays	Beginning and Ending Dates	Percentage change in harvest	Projected Harvest (no. Fish	Projected Removals (Mlb) (Size limit of 2nd fish is 28")
0	NA	0.0%	138,670	1.762
1	July 29	-1.2%	140,684	1.741
2	July 29 - Aug 5	-1.9%	142,234	1.728
3	July 22 - Aug 5	-3.4%	163,135	1.703
4	July 15 - Aug 5	-4.9%	161,059	1.677
5	July 15 - Aug 12	-6.2%	159,993	1.653
6	July - Aug 12	-7.4%	157,579	1.632
7	July 1 - Aug 12	-8.4%	155,238	1.614
8	July 1 - Aug 19	-9.3%	152,970	1.599
9	June 24 - Aug 19	-10.2%	151,017	1.582
10	June 17 - Aug 19	-11.1%	149,242	1.568
11	June 17 - Aug 26	-11.5%	147,921	1.560
12	June 10 - Aug 26	-12.3%	146,356	1.545
13	June 3 - Sept 2	-13.3%	144,961	1.528
48	Feb 01 - Dec 31	-14.6%	144,281	1.506

Table 3A.15. Area 3A projected harvest (upper table) and removals (lower table) for 2025 under a range of maximum size limits on one fish in the bag limit and **Wednesday closures**. Projected removals assume the following status quo measures: two fish bag limit – one of any size, one under X inches, limit of one trip per vessel and one trip per permit per day. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. Shaded cells represent projections that do not exceed the 2024 allocation of 1.89 Mlb.

Projected Harvest (number of fish)

	Number of Wednesday Closures														All (SQ)	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13		14
Harvest	163,135	166,225	168,857	171,707	174,529	176,089	178,643	180,856	182,675	184,681	186,199	187,345	188,490	189,608	190,323	192,362

Projected Charter Removals (Mlb)

Size limit	Number of Closed Wednesdays														All (SQ)	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13		14
26	1.979	1.958	1.949	1.938	1.926	1.913	1.898	1.878	1.859	1.836	1.809	1.793	1.764	1.736	1.709	1.677
27	2.018	1.997	1.988	1.977	1.964	1.951	1.936	1.915	1.895	1.872	1.845	1.829	1.799	1.770	1.743	1.710
28	2.079	2.057	2.049	2.037	2.024	2.011	1.995	1.973	1.953	1.929	1.901	1.884	1.854	1.824	1.796	1.762
29	2.119	2.096	2.087	2.075	2.062	2.049	2.033	2.010	1.990	1.965	1.937	1.920	1.889	1.859	1.830	1.796
30	2.175	2.152	2.144	2.131	2.118	2.104	2.088	2.065	2.044	2.019	1.989	1.972	1.940	1.909	1.879	1.844
31	2.214	2.191	2.182	2.169	2.155	2.141	2.124	2.101	2.080	2.054	2.025	2.007	1.974	1.942	1.912	1.877
32	2.289	2.265	2.231	2.218	2.204	2.190	2.173	2.149	2.127	2.101	2.070	2.052	2.019	1.986	1.956	1.919

Table 3A.16. Area 3A projected harvest (upper table) and removals (lower table) for 2025 under a range of maximum size limits on one fish in the bag limit and **Tuesday closures**. Projected removals assume the following status quo measures: two fish bag limit – one of any size, one under X inches, limit of one trip per vessel and one trip per permit per day, and Wednesday closure all year. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. Shaded cells represent projections that do not exceed the 2024 allocation of 1.89 Mlb.

Projected Harvest (number of fish)

	Number of Tuesday Closures														
	0 (SQ)	1	2	3	4	5	6	7	8	9	10	11	12	13	All
Harvest	163,135	161,059	159,993	157,579	155,238	152,970	151,017	148,817	147,419	145,804	144,353	143,622	142,234	140,684	138,670

Projected Charter Removals (Mlb)

Size limit	Number of Closed Tuesdays														
	0 (SQ)	1	2	3	4	5	6	7	8	9	10	11	12	13	All
26	1.677	1.657	1.645	1.620	1.596	1.573	1.553	1.531	1.517	1.500	1.486	1.478	1.464	1.447	1.425
27	1.710	1.690	1.677	1.652	1.627	1.604	1.584	1.562	1.546	1.530	1.515	1.507	1.492	1.475	1.453
28	1.762	1.741	1.728	1.703	1.677	1.653	1.632	1.609	1.593	1.576	1.561	1.553	1.538	1.520	1.497
29	1.796	1.774	1.761	1.735	1.709	1.684	1.663	1.639	1.624	1.606	1.590	1.582	1.567	1.549	1.525
30	1.844	1.822	1.809	1.782	1.755	1.729	1.708	1.684	1.667	1.649	1.633	1.625	1.609	1.591	1.566
31	1.877	1.854	1.840	1.813	1.786	1.760	1.738	1.713	1.697	1.678	1.662	1.653	1.637	1.619	1.594
32	1.919	1.896	1.882	1.854	1.826	1.800	1.777	1.752	1.735	1.716	1.699	1.690	1.674	1.655	1.630

Table 3A.17. Estimated effects of **annual limits of two to four halibut** on Area 3A anglers and projected harvest for 2025 under status quo measures. Status quo regulations include a two-fish bag limit with a maximum size limit of 28 inches on one of the fish, no retention of halibut on Wednesdays, CHP trip limits, and vessel trip limits. The percent of affected anglers is the portion of individual anglers that harvested more than each specified annual limit in 2023.

Annual Limit	Subarea								Area 3A	
	CCI	EPWS	GlacBay	Yak	LCI	NGulf	Kod	WPWS		
Estimated percent of anglers affected by an annual limit:										
2	14.0%	8.6%	8.9%	20.5%	15.0%	10.3%	44.1%	5.5%	15.1%	
3	12.1%	4.7%	1.2%	11.2%	12.2%	7.5%	32.4%	2.3%	11.7%	
4	2.9%	0.8%	0.0%	4.7%	2.8%	2.1%	17.3%	0.2%	3.5%	
Estimated percent change in harvest relative to no annual limit:										
2	-15.1%	-8.2%	-6.9%	-21.8%	-15.0%	-11.1%	-39.0%	-5.2%	-15.9%	
3	-8.9%	-3.4%	-0.8%	-11.2%	-8.3%	-5.9%	-24.1%	-1.7%	-8.9%	
4	-3.6%	-0.8%	0.0%	-5.4%	-2.8%	-2.1%	-13.1%	-0.2%	-3.6%	
Projected harvest (number of halibut):										
2	19,180	4,744	648	2,494	64,777	31,094	8,910	5,426	137,274	
3	20,578	4,991	690	2,834	69,878	32,913	11,089	5,626	148,599	
4	21,785	5,125	696	3,019	74,049	34,236	12,688	5,710	157,308	
No Annual Limit	22,590	5,167	696	3,190	76,186	34,980	14,604	5,722	163,135	

Table 3A.18. Area 3A projected harvest (upper table) and removals (lower table) for 2025 under a range of maximum size limits on one fish in the bag limit and for **annual limits ranging from two to four fish** per year. Projected removals assume the following status quo measures: two fish bag limit, limit of one trip per vessel and one trip per permit per day, and a Wednesday closure all year. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality.

Projected Harvest (number of fish)			
Year	Annual Limit (number of halibut)		
	2	3	4
2025	137,273	148,599	157,308

Projected Charter Removals (Mlb)			
Size Limit (in)	Annual Limit (number of halibut)		
	2	3	4
26	1.407	1.527	1.616
27	1.435	1.557	1.647
28	1.479	1.604	1.698
29	1.507	1.634	1.730
30	1.548	1.679	1.777
31	1.575	1.708	1.808
32	1.611	1.747	1.849