Analysis of Management Options for the Area 2C and 3A Charter Halibut Fisheries for 2027

A Report to the North Pacific Fishery Management Council

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1.0 Introduction

The International Pacific Halibut Commission (IPHC) approves catch limits for Pacific halibut each year for Regulatory Areas in Alaska. In IPHC Regulatory Areas 2C and 3A, which roughly correspond with Southeast and Southcentral Alaska, these catch limits are allocated between the commercial longline fishery and the sport charter fishery. The allocations are specified in the North Pacific Fishery Management Council's Halibut Catch Sharing Plan (CSP)[1]. The allocations vary with the magnitude of the overall catch limit, such that the percentage allocated to the charter sector increases slightly as catch limits decrease. The CSP also specifies that release mortality will count toward the sector's allocation. The CSP further specifies that, effective in 2014, charter harvest accounting will be based on numbers of halibut reported harvested in Alaska Department of Fish and Game (ADF&G) saltwater guide logbooks.

The charter fishery in Areas 2C and 3A is managed under regulations reviewed and recommended each year by the North Pacific Fishery Management Council (Council) and approved and published by the IPHC and NOAA as annual management measures. As the first step in this process, the Council's Charter Halibut Management Committee (CHMC) met October 21, 2026, to develop alternative management measures for analysis by the ADF&G for the 2027 season. ADF&G staff provided preliminary estimates of charter harvest and release mortality for the 2026 season to committee members prior to the meeting. Electronic logbooks became mandatory statewide in 2025 which has allowed for more timely reporting than in previous years. Data for all trips that were submitted by September 25, 2026 were used for preliminary estimates in areas 2C and 3A.

At the time of the October meeting, the 2026 preliminary reported harvest in Area 2C for the charter fishery was 79,628 halibut with an estimated average net weight of 7.98 lb (St. Saviour 2026). The Area 2C preliminary estimate of charter removals was 0.673 million pounds (Mlb), including an estimated 0.037 Mlb of release mortality. The preliminary estimate of charter removals was 3.5% over the 0.650 Mlb allocation. In 2026, charter halibut regulations in 2C included a one-fish bag limit, a reverse slot limit allowing for harvest of fish less than or equal to 34 inches or greater than or equal to 80 inches (U34O80). Thursdays were closed to halibut retention from June 18 through September 10.

In Area 3A, an estimated 145,851 halibut were harvested with an average weight of 9.49 lb when preliminary estimates were reported to the CHMC in October (St. Saviour 2026). The preliminary estimate of charter removals for Area 3A was 1.396 Mlb, including 0.012 Mlb of release mortality. The preliminary estimate was 5.1% under the allocation of 1.470 Mlb. In 2026, charter regulations in 3A included a two-fish bag limit of which one fish could be any size and the second must be less than or equal to 27 inches, no harvest of halibut on Tuesdays June 2 through August 25 and all Wednesdays, a limit of one trip per vessel per day, and a limit of one trip per CHP per day.

The Charter Committee considered the performance of last year's measures and, in light of recent trends in effort, numbers of halibut harvested by charter anglers, average weight of halibut, halibut abundance, and economic considerations, identified the following measures for analysis for 2027:

[1] Catch Sharing Plan regulations are at: https://www.federalregister.gov/documents/2013/12/12/2013-29598/pacific-halibut-fisheries-catch-sharing-plan-for-guided-sport-and-commercial-fisheries-in-alaska

Area 2C (all options include a one-fish bag limit and inflation factor for release mortality):

- Reverse Slot ranging from U32O50 on the low end and U50O80 on the upper end
- Reverse Slot from U32O50 on the low end and fixed at O80 on the upper end with day closures on Monday, Tuesday, Wednesday, Friday, Saturday, and Sunday and savings in removals displayed for each day of closure
    a. Analyzed for each day from mid-May through mid-September or for the entire season
    b. Results shared as an excel workbook so members of the CHMC can select different closure day combinations or date range combinations and determine removals
- One fish of any size per year and reverse slot limits for the remainder of the year ranging from U24O50 to U50O80
- One fish of any size per year and reverse slot limits for the remainder of the year from U24O50 to O80 with day closures on Monday, Tuesday, Wednesday, Friday, Saturday, and Sunday and savings in removals displayed for each day of closure
    a. Analyzed for each day from mid-May through mid-September or for the entire season
    b. Results shared as an excel workbook so members of the CHMC can select different closure day combinations or date range combinations and determine removals

Area 3A (all options include, unless otherwise noted, one trip per vessel and one trip per CHP per day, and all Wednesdays closed to retention of halibut):

- Daily bag limit of two fish; one fish any size, maximum size limits of 26 – 32 inches on the second fish
    a. Day of the week closures on Tuesdays from June 1 – September 2 or for the entire season, including no closed Tuesdays
    b. In addition to Tuesday closures, Thursday closures from June 1 – September 2 or for the entire season, including no closed Thursdays
- Daily bag limit of one fish any size
    a. Day of the week closures on Tuesdays from June 1 – September 2 or for the entire season, including no closed Tuesdays
    b. In addition to Tuesday closures, Thursday closures from June 1 – September 2 or for the entire season, including no closed Thursdays
    c. Reverse slot limit ranging from U30O50 to U60O80
- Daily bag limit of one fish any size *OR* two fish with maximum size limits of 26 – 32 inches
    a. Day of the week closures on Tuesdays from June 1 – September 2 or for the entire season, including no closed Tuesdays
    b. In addition to Tuesday closures, Thursday closures from June 1 – September 2 or for the entire season, including no closed Thursdays

This analysis provides information to stakeholders and the Council to assist them in selecting management measures likely to keep total charter removals within their allocations. The charter allocations will be derived from catch limits determined by the IPHC at their Annual Meeting in January 2027. The charter allocations will not be known when the Council is expected to make its recommendations in December 2026. It is recommended that the Council include contingencies to accommodate adoption of a range of catch limits.

The IPHC's 2026 stock assessment results were not available at the time of this publication. It is anticipated that results will be available at IPHC interim meeting scheduled December 1, 2026 and should

be referenced at that time. Several reference points that the Council may wish to consider before the interim meeting in making recommendations for 2026 are:

- The Coastwide TCEY in 2026 was 29.33 Mlb, down slightly from 29.72 Mlb in 2025.
- The 2025 Stock Assessment estimated a 3-year surplus TCEY of 38.95 Mlb;
- The 2025 TCEY at the reference fishing intensity ($F_{43\%}$) corresponds to a TCEY equal to the three-year surplus of 38.95 Mlb (Stewart and Hicks 2025).

In addition to the Coastwide TCEY, the Council may wish to consider changes in the stock distribution as estimated by the IPHC's Fishery Independent Setline Survey. The 2025 Coastwide index of Weight-per-unit-effort (WPUE) of over 32 inch fish (O32) was stable with a 0% change from 2024. Modelled numbers-per-unit-effort (NPUE) of all sizes were down from 2024 to 2025 by -16% in Region 2 and there was no change (0%) in Region 3. WPUE of halibut of all sizes was down -13% in 2C and up +1% in 3A. In recent years, allocation procedures have considered the distribution of O32 biomass among Regulatory Areas, in addition to other factors such as relative harvest rates, socio-economic considerations, international agreements, and both survey and fishery CPUE when determining Regulatory Area TCEYs.

Considering the paucity of information on 2027 catch limits and distribution to Regulatory Areas, we have used the 2026 allocations as reference points for the 2027 charter management measures. Results presented here are within the context of charter allocations set for 2026, which were 0.650 Mlb in Area 2C and 1.470 Mlb in Area 3A (Table 1).

This analysis projects total charter fishery removals under the current (status quo) charter fishery regulations in each Regulatory Area. As shown below, under current regulations the projected charter removal in 2027 for Area 2C is 0.667 Mlb. The projected removal for Area 3A is 1.400 Mlb.

Area	Projected Status Quo Charter Removals (Mlb)	Status Quo TCEY Difference (Mlb) (2027 Projection - 2026 Allocation)
2C	0.667	+ 0.017
3A	1.400	- 0.070

For consistency with analyses reported in recent years, the analyses included in this report generally follow previously reported methods (Bowman et al. 2023; St. Saviour et al. 2024, and St. Saviour et al. 2025) except they were conducted in R rather than SAS and Excel. The analyses cover a range of alternatives as proposed by the CHMC to allow stakeholders, the Council, and the IPHC to select the desired management measures to meet the charter allocation for each Area. Where applicable, results reference candidate measures for projected charter removals within the 2026 allocation.

2.0 General Methods

2.1 Definitions and Basic Calculations

Throughout this analysis, the term "harvest" refers to the number of halibut caught and landed in the charter fishery. "Yield" is the harvest expressed in units of weight. "Release mortality" refers to halibut that die as a result of stress or injury from being caught and then released and is expressed in units of weight. Finally, "removals" refers to all halibut killed in the sport fishery, including harvest and release mortality, and is measured in units of weight. Weight is based on length data from harvested halibut sampled at ports and the length-weight relationship developed by IPHC (Webster and Stewart 2022). Removals are generally projected from harvest, average weight, and release mortality as follows:

$$Harvest(no.fish) = Effort\ (angler\ days) \times HPUE\ (harvest\ per\ angler\ day),$$

$$Yield(lb) = Harvest \times AverageNetWeight(lb), \text{ and}$$

$$Removals\ (lb) = Yield(lb) \times r(lb)$$

where *r* is the release mortality expansion factor.

In prior years, in IPHC Area 2C the release mortality expansion factor was estimated as a function of the lower limit of the reverse slot limit. It was noted that the strength of this correlation has decreased steadily and there no longer appears to be a meaningful relationship between estimated release mortality and the lower reverse slot limit. Therefore, Area 2C and Area 3A release mortality was forecast as the 5-year average ratio of estimated release mortality to estimated yield in each respective area:

r(lb)=1+[ReleaseMortality(lb)/Yield (lb)]

which for 2027 is 1.046 in Area 2C and 1.008 in Area 3A.

2.2 Calculations by Subarea

All calculations for Area 2C and Area 3A were completed by Subarea and then summed to obtain yield estimates for each Regulatory Area. Analyses were done at the Subarea level because many of the variables analyzed (harvest, effort, average weight, etc.) vary substantially by Subarea.

There are six Subareas in Area 2C and eight Subareas in Area 3A (Table 2C.3 and Table 3A.10, Figure 1). With few exceptions, the Subareas correspond to ADF&G sport fishery management areas as well as the reporting areas used for the ADF&G Statewide Harvest Survey (SWHS, mail survey of sport fishing). The Juneau and Haines/Skagway Areas were combined because the Haines/Skagway Area is not sampled for average weight and harvests are negligible. SWHS Area J is split into three Subareas: Eastern Prince William Sound (EPWS), Western Prince William Sound (WPWS), and the North Gulf Coast (NG). Likewise, Cook Inlet (SWHS Area P) is split into Central Cook Inlet (CCI) and Lower Cook Inlet (LCI) Subareas. These SWHS areas were split into Subareas such that the landings in each Subarea could be matched to estimates of average weight from port sampling. ADF&G obtained length measurements from harvested halibut and interviewed anglers and charter captains in at least one port in each Subarea. In addition, SWHS Area G (Glacier Bay) is divided into the 2C and 3A portions using statistical areas reported during biological sampling and in saltwater guide logbooks.

2.3 Harvest Forecasts

Time series methods are used to forecast harvest per unit effort (HPUE) in both Areas. Effort is measured in angler days; any days when bottomfish hours or bottomfish statistical areas were recorded in the logbook or halibut were harvested are considered days with halibut effort, permitting that day was open to harvest of halibut. Forecasts are inherently uncertain because they rely only on past data, which are not necessarily indicative of future trends. Time series forecasts can't be used in all instances because they assume that the same underlying processes are in place as those that generated the historical data. Therefore, recent regulation changes or social/economic conditions may bias a forecast or render it unsuitable for other regulatory scenarios.

Time series methods used in this report include simple and double exponential smoothing R ets models "ANN" and "AAN" to deal with stationary or trending data. Simple exponential models have a single parameter representing the level of the estimate and typically fit best to data without a clear trend. Double exponential models have a parameter for level and a parameter for trend and typically fit best to data with a trend. Both models contain a smoothing weight, the value of which determines how much weight is given to more recent observations. The smoothing weights are optimized to minimize one-step-ahead prediction errors over the entire time series. Generally, the stronger the trend and lower the variability, the higher the smoothing weight and the more emphasis is placed on recent observations. Both simple and double exponential models were run for each time series and the forecasts with the smallest AICc value (Akaike Information Criterion, corrected for small sample size) were selected.

In both Area 2C and 3A, regulatory day closures have had a direct and varying effect on effort in recent years. Rather than forecasting effort from previous years data, the preliminary estimates of effort for 2026 were used as the best indication of status quo effort for 2027. Harvest forecasts for 2027 were calculated for each Subarea as the product of the effort and HPUE forecasts.

Simple exponential and double exponential forecasts were generated for 2027 HPUE using logbook data for 2009- 2026. The years 2020 and 2021 were omitted from all Areas due to the impacts of COVID-19 on recreational fishing practices during that period. Best fit simple or double exponential models were selected based on AICc for each Subarea in 2027 (Table 2, Figure 2).

2.4 Accounting for Release Mortality of Halibut

Under the CSP, the charter halibut allocation includes total removals by the charter sector, including harvest and release mortality. All sizes of release mortality have been estimated for 2013-2026 for inclusion in the IPHC's annual stock assessment as part of sport fishery removals. Estimation methods are documented in Webster and Buzzee (2020) and in ADF&G's annual reports to the IPHC[2].

The numbers and average weight of released fish are expected to vary with the regulations (e.g., types of size limits, bag limits, annual limits). For example, anglers would be expected to release more fish under a one-fish bag limit than a two-fish bag limit as they search for the largest fish possible. The average weight of released fish would be expected to be higher under maximum size limits or reverse slot limits than under a minimum size limit, because more of the released fish would be large. On the other hand, the number of fish released is likely to be higher under a minimum than maximum size limit because smaller fish are relatively more abundant and more likely to be caught. Under reverse slot limits, the amount of release mortality would be expected to vary with the sizes and range of the protected slot. A wide protected slot would likely result in more released fish than a narrow slot, and a higher protected slot would result in a higher average weight of released fish. Under annual limits, both the number of fish and average weight of released fish would likely increase as annual limits are made more restrictive. Seasonal or daily closures will also increase the total number of released fish.

In recent years, a 5-year average of the ratio of release mortality to charter yield has been used as a release mortality expansion factor and applied to the yield to calculate total removals. Under status quo regulations, the predicted 2027 ratio of release mortality to yield is 0.046 in Area 2C.

In Area 3A, the ratio of release mortality to charter yield is lower because released fish tend to be smaller than in Area 2C. For 2027 projections, the 5-year average of 0.008 was applied to yield to account for release mortality under the status quo management measures.

3.0 Area 2C Management Measures

3.1 Status Quo Forecast of the Number of Fish Harvested

Status quo measures for Area 2C include a one-fish bag limit, a U34O80 reverse slot limit and closed Thursdays June 18 and through September 10. The 2027 forecast in Area 2C uses reported 2026 effort in angler-days from charter logbook data. The 2027 status quo forecast for Area 2C is 112,801 angler-days, the weighted average HPUE forecast is 0.742 halibut per angler-day, and the harvest forecast is 83,680 halibut (95% CI 79,057 - 88,303; Table 2C.5).

[2] The ADF&G annual reports to the IPHC are available for download at https://www.npfmc.org/fisheries-issues/fisheries/halibut-fisheries/halibut-recreation/

3.2 Reverse Slot Limit

3.2.1 Approach

Reverse slot size limits have been used to manage the Area 2C charter fishery since 2012. The goal of the reverse slot limit is to control the average weight of the harvest by requiring retained fish to be either below a lower size limit or above an upper size limit. The reverse slot size limit functions mostly as a maximum size limit, while still preserving the opportunity for anglers to retain exceptionally large fish. The charter industry and the Council have recommended reverse slot size limits because they effectively control average weight without severely impacting angler demand under a one-fish bag limit, thus preserving charter revenues in the face of restrictions.

Average weight under reverse slot limits was predicted using the same methods used since 2014. Briefly, this procedure fixes the proportion of harvest above the upper size limit equal to the proportion in 2010, the last year without a size limit. The proportion of harvest below the lower size limit is assigned the remainder. Average weight is then estimated as a weighted mean of the average weight of fish above and below the upper and lower limits in 2010, where the weighting factors are the respective proportions of harvest above and below those limits.

All estimates of average weight were adjusted with a correction factor to match observed in the most recent 5-years for all 2C analyses. Average weights estimated from the fishery in 2022-2026 were compared to the 2010 predicted average weights for the size limits that were in place at the time. The average weights estimated from the fishery included any illegally harvested fish in the protected size slot between the lower and upper size limits (illegal-size fish made up an estimated 0.3% to 1.6% of the Area 2C harvest each year). Errors in predicted average weights since 2022 ranged from -34.1% to +13.6% for individual Subareas. Predicted average weight errors were highly variable among years and among Subareas. Correction factors were developed for the predicted average weights for each Subarea based on the average ratio of the predicted and observed average weights from the most recent 5 years and ranged from 0.66 to 1.13 among Subareas.

This analysis assumes that there are no day-of-the-week closures for 2027. To add the harvest from closed Thursdays back in, the proportional reduction of harvest by Subarea was determined for Thursdays in 2025, the most recent year with finalized data and Thursdays open. A proportional correction was then applied to Thursday harvests to account for trip limits in 2025. Harvest by Subarea for 13 Thursdays was then added to the 2027 status quo forecast of harvest.

Total charter removals were projected for 2027 under a range of reverse slot limits with lower limits ranging from 32 to 50 inches and upper limits ranging from 50 to 80 inches. Projections of charter removals include the correction factors for bias in estimation of average weight as well as an inflation factor for predicted release mortality.

3.2.2 Results

Projected charter removals under the status quo size limit of U34O80, with no day of the week closures or trip/CHP limits for Area 2C is 0.761 Mlb (Table 2C.6). Projections ranged from 0.688 to 1.928 Mlb under different reverse slot limits. All options for reverse slot limits were above the 2026 allocation of 0.650 Mlb.

3.3 Reverse Slot Limit with Day of the Week Closures (Presented as Savings-Per-Day)

3.3.1 Approach

Harvest was projected with day-of-the-week closures in Area 2C and with reverse slot limits with a lower limit ranging from 32 to 50 inches and a fixed upper limit of 80 inches. The potential effect of closing each day from May 10 through September 12 was estimated (Table 2C.7). To give decision makers more flexibility, the information is presented as savings per day in lbs. Removals can be calculated by subtracting the amount saved by closing each individual day from the estimated removals with no days

closed at a given lower slot limit (as shown in the last column of Table 2C.7). The analysis relied on complete logbook data from 2025. This analysis entailed estimating the proportional effect of each day closure in 2025 and applying those to the harvest forecast for 2027, adjusting for no trip-limits, and assuming all days are open to fishing, as described in section 3.2.1.

The first step was to identify dates that would be closed in 2027. Once the specific closed dates were identified for Monday, Tuesday, Wednesday, Friday, Saturday, and Sunday, the corresponding days that most closely match were identified from the 2025 data set. The analysis assumed that the proportion of harvest occurring on each day in 2025 represents the expected change in harvest if those days are closed in 2027. Since Tuesdays were closed in 2025, Mondays were substituted to project Tuesday savings. All analyses were done by Subarea to account for differences in average weight among Subareas. The total annual harvest under each scenario of closed days was compared to the harvest scenario of no closed days to estimate the proportional change in harvest for 2027. That proportion is reported in lb of savings in the tables (2C.7).

3.3.2 Results

No slot limits were below the 2026 allocation of 0.650 Mlb without any day closures (last column of Table 2C.7). This table can be used to evaluate how day closures might allow for greater lengths on the lower end of the slot limit. The total removals without day closures at the status quo of U34O80 is estimated to be 0.761 Mlb (Table 2C.6). Of all days analyzed, the maximum projected savings is on Wednesdays. Closing 13 Wednesdays is projected to save the necessary 115,116 lb (at the U34O80 slot limit) to get below the 2026 allocation. Each day has a different savings, so the days selected influence how many days will be required to get below the 2026 allocation.

3.4 One Fish of Any Size per Year and Reverse Slot Limits for the Remainder of the Year

3.4.1 Approach

Harvest was projected for Area 2C under a management measure that allows each angler to keep the first halibut landed per year of any size, with a reverse slot limit applied to any subsequent fish. Lower slot limits ranged from 24 to 50 inches, with a fixed upper limit of 80 inches. The analysis used the projected 2027 harvest with all days open to fishing and no trip limits (as described in section 3.2.1) and release mortality expansion factor for Area 2C. Total harvest was divided into two components: first fish, which were assumed to be unrestricted by size, and all remaining fish, which were subject to the reverse slot limit. Estimated yields (in Mlb) are presented as the total (first fish + slot-limited fish), with the amount of discard mortality at each lower slot limit shown in the last column of the table (Table 2C.8).

The proportion of harvest comprised of first fish was estimated from the 2025 unique angler data for bottomfishing anglers identified by sport fishing license number. For each angler, the area where they landed their first halibut of the year was identified, and the number of anglers with a first fish in each Subarea was divided by the total harvest in that Subarea to give the proportion of harvest that was a first fish (pHarv1). Because the angler data are limited to licensed anglers, they exclude youth anglers who are not required to hold a license. Licensed anglers account for the vast majority of the harvest, so their data were used for this projection. Projected yield was then calculated by Subarea as the sum of two terms: the projected harvest multiplied by pHarv1 and the mean weight of fish with no slot limit, plus the projected harvest multiplied by (1 − pHarv1) and the mean weight of fish within the slot limit under evaluation. Mean weights had already been corrected as described in section 3.2.1. Yields were summed across Subareas, and the release mortality factor was applied to estimate total removals under each lower slot limit.

3.4.2 Results

The first fish portion of the removal estimates accounted for 0.953 Mlb with subsequent fish adding to removals by varying degrees. Projections ranged from 1.133 to 1.928 Mlb. All options for one fish, any size and reverse slot limits thereafter were above the 2026 allocation of 0.650 Mlb (Table 2C.8).

3.5 One Fish of Any Size per Year and Reverse Slot Limits for the Remainder of the Year with Day of the Week Closures (Presented as Savings Per Day)

3.5.1 Approach

Harvest was projected in Area 2C with day of the week closures under the management measure that allows one fish of any size per angler per year and reverse slot limits (U24O50 to U50O80) for subsequent fish. The projected removals with no days closed at each lower slot limit were calculated as described in section 3.4.1. The savings from closing each day were estimated as described in section 3.3.1. The proportional effect of each day closure was applied to the removals projected for each lower slot limit. Results are presented as savings per day in lbs (Table 2C.9). Removals can be calculated by subtracting the savings for each closed day from the removals with no days closed, shown in the last column of the table.

3.5.2 Results

No projections for one fish any size were below the 2026 allocation of 0.650 Mlb without any day closures (last column of Table 2C.9). Of all days analyzed, the maximum projected savings is on Wednesdays. Multiple days would need to be closed for the whole season under any reverse slot limits considered to achieve the 2026 allocation in this scenario (Table 2C.9).

4.0 Area 3A Management Measures

4.1 Status Quo Forecast of the Number of Fish Harvested

The status quo measures for Area 3A included a two-fish bag limit with a maximum size limit of 27 inches on one fish, no retention of halibut on Tuesdays June 2 – August 25 and all Wednesdays, and limits of one trip per vessel and one trip per CHP per day. The status quo forecast for Area 3A in 2027 is 99,590 angler-days, with a weighted average HPUE of 1.483 halibut per angler-day, and the harvest forecast is 147,735 halibut (95% CI 139,132–156,338; Table 3A.11).

4.2 Average Weight in each Subarea

4.2.1 Approach

Average weight was calculated as a weighted mean of the fish of any size and the fish subject to a maximum size limit. Average weights were calculated for each Subarea, then aggregated to Area 3A. The average weight for the fish of any size was calculated from the overall average weight in 2013, the last year without a size limit in Area 3A. The average weight for size-restricted fish was calculated as the average weight of fish less than or equal to the specified size limit in 2013 (27 inches under status quo; size limits from 26 to 32 inches were all evaluated). These average weights were then weighted by the 2027 projected proportions of harvest made up of “first” and “second” fish in an angler’s bag limit. These terms do not refer to the order in which the fish were caught, but rather to whether the fish came from limits of one or two fish. For example, if an angler kept only one halibut on a trip, the fish was designated a “first” fish. If an angler kept two halibut, one was designated “first” and the other “second.” The proportions of “second” fish in the harvest were forecasted for 2027 from 2010-2019 and 2022-2026 logbook data using the exponentially weighted time series models described in Section 2.3. Data from 2020 and 2021 were excluded to mimic the methods used to forecast HPUE and because the substantial increase seen in second fish in 2020 and 2021 was likely a result of pandemic regulations. HPUE forecasts ranged from 0.512 in Subarea G3A to 1.810 in subarea CCI (Table 3A.12; Figures 4 and 5).

The average weights predicted using this method for each size limit differed from average weights observed under those size limits in recent years. Factors contributing to those differences include changes since 2013 in the size distribution of the population, changes in the sizes of fish anglers are willing to keep, and changes in the proportions of first and second fish in the harvest. Therefore, the predicted average weights were corrected (i.e. adjusted) to align with current average weights. Bias corrections were based on the difference between predicted and observed average weights for 2024-2026. Correction factors, based on the average ratio of the predicted and observed average weights, ranged from 0.672 to 1.366 among Subareas.

4.2.2 Results

The status quo forecast of average weight in Area 3A is 9.40 lb. Estimated removals, including yield and release mortality, under status quo regulations is 1.400 Mlb and is below the 2026 allocation of 1.470 Mlb.

4.3 Status Quo Size Limit on One Fish Combined with Tuesday Closures

4.3.1 Approach

Charter removals were projected under the status quo maximum size limit of 27 inches on the second fish and Tuesday closures from June 1 – September 2 or for the entire season for flexibility in recommending management measures. Average weight under the 27-inch length limit was calculated as a weighted mean of the fish of any size and the fish subject to a maximum size limit as outlined in section 4.2.1. Projected removals include a 0.85% inflation factor to account for release mortality and a correction for the average weight as described above. These projections incorporate all other status quo measures.

The analysis for Tuesday closures relied on logbook data from 2024, the most recent year in which the fishery was open on all Tuesdays and closed on Wednesdays. In the status quo year of 2026, there were 13 closed Tuesdays and all Wednesdays were closed. This analysis provides information on opening those Tuesdays and closing remaining Tuesdays (Table 3A.13). The first step was to identify the dates of specific Tuesdays that would be closed in 2027 under each possible number of closed days. A range of 14 Tuesday closures during the period June 1 – August 31, and all Tuesdays from February 1 – December 31 were evaluated (Table 3A.13). Once the specific closed Tuesdays were identified, the corresponding Tuesday to each of those dates was identified from 2024. The proportional effect of harvest that occurred on each Tuesday in 2024 was calculated and applied to the harvest forecast for 2027. The analysis assumed the proportions of harvest occurring on each Tuesday in 2024 would be representative of Tuesday harvest in 2027.

Daily closures represent the maximum expected reduction in the number of fish harvested for a given day. A day of the week closure may not achieve the maximum reduction in halibut harvest because of the potential for displaced anglers to book on alternate dates. We do not have sufficient information to accurately estimate the effect of a day of the week closure; we can only say it would reduce halibut harvest by no more than the presented maximum reductions, and that the reduction could be less.

4.3.2 Results

The projection for status quo measures of maximum size limit of 27 inches on the second fish and 13 closed Tuesdays is 1.400 Mlb of removals. Closing 8 Tuesdays, June 15 – August 3 is projected to come in just under the 2026 allocation of 1.470 Mlb. Closing all Tuesdays beyond the June 1 – August 31 period would reduce harvest only by an additional 1.4% (Table 3A.13).

4.4 Status Quo Size Limit on One Fish Combined with Thursday Closures

4.4.1 Approach

This analysis is the same as the status quo size limit with Tuesday closures, except the starting point assumes all Tuesdays are closed to further reduce harvest by closing Thursdays.

4.4.2 Results

The projection for maximum size limit of 27 inches on the second fish, all closed Tuesdays, and zero to all closed Thursdays ranges from 1.120 Mlb to 1.370 Mlb of removals (Table 3A.14).

4.5 Maximum Size Limit on One Fish Combined with Tuesday Closures

4.5.1 Approach

This analysis combines a range of maximum size limits on one fish with the Tuesday day closure analysis described in section 4.3.1. Average weight under each size limit from 26 to 32 inches was calculated as a weighted mean of the fish of any size and the fish subject to a maximum size limit as outlined in section 4.2.1.

4.5.2 Results

Removal estimates for combinations of closed Tuesdays and size limits on one fish ranged from 1.345 Mlb for a 26-inch fish with all Tuesdays closed to 1.805 Mlb for a 32-inch fish with no Tuesdays closed (Table 3A.15). Combinations of size limits and closed days that were below the 2026 allocation of 1.480 Mlb ranged from 26 to 30 inches and 7 to All closed Tuesdays.

4.6 Maximum Size Limit on One Fish Combined with Thursday Closures

4.6.1 Approach

This analysis combines a range of maximum size limits on one fish with the Thursday day closure analysis described in section 4.4.1. This analysis assumes all Tuesdays are closed as a starting point. Average weight under each size limit from 26 to 32 inches was calculated as a weighted mean of the fish of any size and the fish subject to a maximum size limit as outlined in section 4.2.1.

4.6.2 Results

Removal estimates for combinations of all closed Tuesdays and various closed Thursdays and size limits on one fish ranged from 1.099 Mlb for a 26-inch fish with all Tuesdays closed to 1.522 Mlb for a 32-inch fish with no Tuesdays closed (Table 3A.16). Combinations of size limits and closed days that were below the 2026 allocation of 1.480 Mlb ranged from 26 to 32 inches and 3 to zero closed Thursdays.

4.7 Daily Bag Limit of One Fish Any Size Combined with Tuesday Closures

4.7.1 Approach

Area 3A has never had a one-fish bag limit of any size regulation, so we cannot directly estimate the effects from past data. The biggest challenge of this analysis is estimating average weight. When the Area 2C charter fishery went from a two-fish bag limit with a maximum size limit on one fish (32 inches) to a one-fish bag limit with no size limit in 2009, the average weight increased 20% from the previous year and increased another 13% in 2010 under the same regulation. The total increase in average weight over those two years was 36%. Under a one-fish bag limit, it is expected that anglers will high-grade to get the largest fish possible; the resulting increase in average weight will offset the decrease in the number of fish harvested to an unknown degree.

There are no empirical data from the Area 3A fishery under a one-fish bag limit to predict the degree anglers may high-grade. It is also questionable whether the data from Area 2C is applicable to Area 3A, but the increase in average weight seen in 2009 and 2010 may be indicative of what is possible. After analyzing several methods of calculating average weight, the average weight of O27 fish in 2026 was deemed most plausible. It is not possible to tell from biological sampling data which fish were “first” fish. Because there was a size limit on one fish of 27 inches, it was assumed that all fish over 27 inches were “first” fish and might emulate conditions under a one fish bag limit. This assumption is an approximation, as there may have been charter trips where some anglers retained two fish under the maximum size limit for one fish. Other scenarios investigated included applying 5-year mean weight correction from a two-

fish limit described in section 4.2.1 and a scenario that applied a 36% inflation factor to all observed average weights in 2026.

Projected harvest was based on the harvest forecast under a two-fish bag limit, reduced by the 2027 forecast of the proportion of second fish in the harvest. It is assumed that a one fish bag limit will not affect effort in Area 3A. It is unknown whether this measure would incentivize an increase in days fished to harvest the same numbers of fish or lead to a reduction in angler effort due to the more restrictive bag limits. Harvest projections for one-fish were multiplied by the average weight of first fish to obtain the projected yield, and yields were multiplied by 0.85% to account for release mortality in the removal estimates. Tuesday closures were simulated in the same fashion as described in section 4.3.1.

4.7.2 Results

The forecast proportions of second fish varied by Subarea, with 2.7% to 46.5% of all harvested fish being designated as 'the second fish'. After removing the second fish, the harvest forecast drops from 147,735 to 86,026 fish (Table 3A.12 and Table 3A.17). Projections for one fish any-size and closed Tuesdays range from 1.244 Mlb for all closed Tuesdays to 1.472 Mlb for zero closed Tuesdays. Closing 1 Tuesday, July 6, is projected to come in under the 2026 allocation of 1.470 Mlb (Table 3A.17). The projections are highly sensitive to the average weight, and average weight will be affected by angler behavior adding additional uncertainty to this projection.

4.8 Daily Bag Limit of One Fish Any Size Combined with Thursday Closures

4.8.1 Approach

This analysis is the same as one fish any size limit described in section 4.7.1 except it assumes all Tuesdays are closed as a starting point, and Thursdays are closed to further reduce harvest.

4.8.2 Results

The projection for one fish any size, all closed Tuesdays, and zero to all closed Thursdays ranges from 1.018 Mlb to 1.244 Mlb of removals (Table 3A.18). All options for this management measure are below the 2026 allocation of 1.470 Mlb.

4.9 Daily Bag Limit of One Fish Any Size Combined with a Reverse Slot Limit from U30O50 to U60O80

4.9.1 Approach

This measure combines the one-fish bag limit analysis described in section 4.7.1 with a reverse slot limit from U30O50 to U60O80. This analysis assumes status quo 13 Tuesdays and Wednesdays closed. Similar to the Area 2C reverse slot analysis described in section 3.2.1, this procedure fixes the proportion of harvest above the upper size limit equal to the proportion in 2013, the last year without a size limit. The proportion of harvest below the lower size limit is assigned the remainder. Average weight is then estimated as a weighted mean of the average weight of fish above and below the upper and lower limits in 2013, where the weighting factors are the respective proportions of harvest above and below those limits. There are no observations are available to correct these mean weights for changes in the size distribution of the harvest. Instead, the U60O60 (no slot limit) mean weight is adjusted to match the O27 mean weight derived from recent observations and described in the one fish limit analysis in section 4.7.1 All other slot mean weights by Subarea are corrected by the same factors.

Total charter removals were projected for 2027 under a range of reverse slot limits with lower limits ranging from 30 to 50 inches and upper limits ranging from 60 to 80 inches. Projections of charter removals include an inflation factor for predicted release mortality based the factor calculated for Area 2C where a slot limit is in place and releases include larger fish.

4.9.2 Results

Projections ranged from 0.770 to 1.216 Mlb. All options for one fish reverse slot limits are below the 2026 allocation of 1.470 Mlb (Table 3A.19).

4.10 Daily Bag Limit of One Fish Any Size OR two fish falling within a size limit of 26-32 inches

4.10.1 Approach

Under motion option 3, the CHMC requested an analysis for a daily bag limit of one fish of any size *OR* two fish falling within a size limit of 26-32 inches. This option was explored in a preliminary analysis. There currently is not sufficient data to predict the proportion of anglers that would opt for one larger fish versus two smaller fish. This may be possible with feedback from the CHMC on what that proportion is likely to be. A draft approach will be shared and open for discussion at the CHMC meeting on December 2, 2026.

5.0 Implementation Considerations

5.1 Size Limits

There are no anticipated problems associated with implementation of a reverse slot limit in Area 2C or maximum size limit on the second fish in Area 3A. Size limits have been used successfully in both Regulatory Areas for several years. Maximum size limits and reverse slot limits are implemented for the charter halibut fishery to control the average weight of harvested fish. This type of regulation increases the number of fish released thereby increasing removals associated with release mortality. Not only do these size limits generate additional regulatory (versus voluntary) release of halibut, but they also increase the average weight of released fish. The relative impact of size limits, in terms of release mortality and angler satisfaction, is expected to vary by Subarea due to variation in the availability of large fish caught. For example, clients fishing in Subareas where large fish are commonly caught would likely end up releasing relatively more fish above the maximum size limit or in the protected slot, and those fish would likely be larger. Although release mortality is likely higher under size limits, it is included in the estimates of removals and is accounted for in the charter sector allocation.

5.2 One fish any size per year in Area 2C

It is crucial for enforcement purposes to ensure that a one fish any size regulation is accompanied by a recording requirement. Specifically, immediately upon retaining a halibut within the protected slot, charter anglers must record the date, location (IPHC area), and species (halibut) on their harvest record. Enforcement of a one fish any size per year limit consists of checking anglers with halibut to make sure the harvest is recorded. Enforcement could be challenging with this regulation. Enforcement staff should be consulted before implementation is considered. It is expected that Guided Angler Fish (GAF) taken under the CSP would be exempt from the recording requirement as these harvests accrue toward the IFQ fishery allocation.

Halibut harvest accounting by individual anglers would need to be implemented through ADF&G charter logbooks. Logbooks require reporting the number of halibut kept and released by individual anglers, as well as the angler's name and fishing license/ID number. No number can be recorded for youth anglers as they are not required to be licensed. Under the CSP, all anglers (including youth) are required to certify in the logbook that the reported number of halibut kept and released is correct.

5.3 Daily Closures

As mentioned earlier, the primary issue with daily closures is that the effect cannot be accurately predicted or evaluated. Daily closures are expected to reduce effort, and therefore their effect is confounded with any factors that affect effort (e.g., trip limits, economic trends, or client changeover days at lodges). This analysis could only estimate the maximum potential change in halibut harvest but cannot predict possible changes in angler behavior, such as anglers booking alternate days. Closure of days

during the peak season (June through August) may be more effective than closure of a day or two here and there. With each additional day closed, there would be fewer days available to rebook and fewer charters available to take the displaced anglers. The effectiveness of day of the week closures in Area 2C is expected to be similar to those seen in Area 3A. However, differences in business models and angler behavior between the Areas may impact the effectiveness of this management measure.

Another impact of daily closures is the potential increase in the harvest of other species such as salmon, rockfishes, sablefish, and lingcod. Some charter businesses are able to book anglers to catch other species, particularly salmon. Increases in harvest may intensify conservation concerns for these stocks.

5.4 Daily Bag Limit of One Fish Any Size in Area 3A

A one-fish bag limit has never been implemented in Area 3A. There is more uncertainty around this measure than the others due to the unknown effects of high-grading on mean weight and release mortality. If a one-fish any size limit is enacted in Area 3A, it would provide data to support future analyses of a one-fish limit. It took two seasons to fully realize the increase in mean weight when a one-fish limit was implemented in Area 2C in 2009. This would be an important consideration in future analyses of a one-fish limit.

5.5 Daily Bag Limit of One Fish with a Reverse Slot Limit in Area 3A

A reverse limit has never been implemented in Area 3A. The primary source of uncertainty around this measure is how mean weights have changed since 2013, the source of mean weights for this analysis. A correction to match recent observed O27 mean weights was made, but there are no direct observations available to correct the mean slot weights.

6.0 Acknowledgements

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7.0 References

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Tables

For reference, the charter allocations in 2026 were 0.650 Mlb in Area 2C and 1.470 Mlb in Area 3A. Because the catch limits will not be known until after the IPHC sets the coastwide, and area-specific limits, the Charter Halibut Management Committee is asked to consider measures ~25% above and below the 2026 allocations. This is demonstrated in Table 1 below.

Table 1. Reference points to consider for possible 2027 charter halibut allocations for Area 2C and Area 3C

Reference point	Area 2C	Area 3A
25% below 2026 allocation	0.488 Mlb	1.103 Mlb
2026 allocation	0.650 Mlb	1.470 Mlb
25% above 2026 allocation	0.813 Mlb	1.838 Mlb

Table 2. Selected HPUE forecast models and AICc scores.

IPHC	Subarea	Year	Predict	LCI	UCI	STD	nobs	Model	AICc
2C	A	2027	0.524	0.432	0.616	0.047	16	Double	-48.142
2C	B	2027	0.851	0.765	0.937	0.044	16	Simple	-51.692
2C	C	2027	0.707	0.610	0.805	0.050	16	Simple	-47.772
2C	D	2027	0.850	0.769	0.932	0.042	16	Double	-52.059
2C	EF	2027	0.674	0.575	0.773	0.050	16	Simple	-47.425
2C	G2C	2027	0.754	0.642	0.865	0.057	16	Simple	-43.467
2C	Total_2C	2027	0.709	0.636	0.782	0.037	16	Simple	-57.206
3A	CCI	2027	1.810	1.585	2.036	0.115	19	Simple	-22.390
3A	EPWS	2027	1.335	1.064	1.606	0.138	19	Simple	-15.345
3A	G3A	2027	0.512	0.229	0.794	0.144	19	Double	-12.159
3A	H	2027	0.983	0.718	1.248	0.135	19	Simple	-16.200
3A	LCI	2027	1.801	1.654	1.948	0.075	19	Simple	-38.549
3A	NG	2027	1.183	0.989	1.378	0.099	19	Simple	-27.928
3A	QR	2027	1.194	0.968	1.419	0.115	19	Simple	-22.283
3A	Total_3A	2027	1.482	1.306	1.658	0.090	19	Simple	-31.822
3A	WPWS	2027	0.997	0.710	1.283	0.146	19	Simple	-13.216

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Table 2C.3: 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.4: Charter logbook effort, harvest per unit effort, and harvest of halibut in IPHC Area 2C, 2015 – 2026 in lbs. Preliminary numbers for 2026 (in italics) are based on logbook data for charter trips entered as of October 23, 2026.

	Subarea						
Year	Ketch	PWI	Pburg	Sitka	Jun	GlacB-2C	Total 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	26,042	27,789	2,635	33,737	13,311	12,611	116,125
2025	25,141	24,792	2,282	32,658	12,344	10,487	107,704
2026	*25,104*	*25,648*	*2,489*	*33,082*	*14,409*	*12,069*	*112,801*
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	0.586	0.869	0.683	0.839	0.775	0.789	0.773
2025	*0.491*	*0.827*	*0.752*	*0.807*	*0.771*	*0.799*	*0.732*
2026	0.524	0.851	0.707	0.850	0.674	0.754	0.742
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	15,262	24,142	1,801	28,313	10,318	9,950	89,786
2025	12,342	20,507	1,716	26,354	9,522	8,378	78,819
2026	*11,612*	*21,891*	*1,759*	*25,800*	*9,679*	*8,887*	*79,628*

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

Table 2C.5. Forecasts of effort, halibut harvest per unit effort (HPUE), and harvest (numbers of halibut) for Area 2C in 2027 under status quo regulations, with 95% confidence intervals. **Status quo regulations include a one-fish bag limit, a U34O80 reverse slot size limit, and 13 Thursdays closed, June 18 to September 10.**

Subarea	Effort (angler-days)*	HPUE	HPUE Lower CI	HPUE Upper CI	Harvest (no. halibut)	Harvest Lower CI	Harvest Upper CI
Ketch	25,104	0.524	0.432	0.616	13,156	10,847	15,464
PWI	25,648	0.851	0.765	0.937	21,830	19,616	24,044
Pburg	2,489	0.707	0.610	0.805	1,760	1,517	2,003
Sitka	33,082	0.850	0.769	0.932	28,126	25,435	30,818
Jun	14,409	0.674	0.575	0.773	9,712	8,291	11,134
GlacB-2C	12,069	0.754	0.642	0.865	9,096	7,748	10,443
Area 2C	112,801	0.742	0.701	0.783	83,680	79,057	88,303

*Preliminary effort data for 2026 was used in the 2027 forecasts.

Table 2C.6. Projected charter removals (Mlb, includes release mortality) for Area 2C in 2027 under reverse slot limits ranging from U32O50 to U50O80 with a 1-fish bag limit. The harvest projection is for **all days open** throughout the season. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. The last column is the release mortality estimate (Mlb) for the UXO80 removal estimates. All combinations exceed the 2026 allocation of 0.650 Mlb.

Projected harvest = 95,633 halibut

Lower Length 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	1.428	1.324	1.246	1.159	1.097	1.040	0.961	0.885	0.842	0.809	0.776	0.754	0.722	0.704	0.702	0.688	0.030
33	1.456	1.353	1.276	1.190	1.128	1.072	0.993	0.918	0.875	0.842	0.809	0.787	0.756	0.738	0.736	0.722	0.032
34	1.490	1.388	1.312	1.227	1.165	1.110	1.032	0.956	0.914	0.881	0.848	0.826	0.795	0.777	0.775	0.761	0.033
35	1.515	1.414	1.339	1.254	1.193	1.138	1.060	0.986	0.943	0.910	0.878	0.856	0.825	0.807	0.805	0.791	0.035
36	1.556	1.458	1.383	1.300	1.240	1.185	1.108	1.034	0.992	0.959	0.927	0.905	0.874	0.856	0.854	0.840	0.037
37	1.581	1.484	1.410	1.327	1.267	1.213	1.136	1.063	1.021	0.988	0.956	0.934	0.903	0.886	0.884	0.870	0.038
38	1.618	1.523	1.450	1.368	1.310	1.256	1.180	1.106	1.065	1.033	1.001	0.979	0.948	0.931	0.928	0.915	0.040
39	1.646	1.552	1.480	1.399	1.341	1.287	1.212	1.139	1.098	1.065	1.034	1.012	0.981	0.964	0.962	0.948	0.042
40	1.669	1.577	1.506	1.425	1.367	1.314	1.239	1.167	1.126	1.094	1.062	1.040	1.010	0.992	0.990	0.977	0.043
41	1.698	1.606	1.536	1.457	1.399	1.347	1.272	1.200	1.159	1.128	1.096	1.074	1.044	1.027	1.025	1.011	0.044
42	1.716	1.626	1.557	1.478	1.421	1.369	1.295	1.223	1.183	1.151	1.119	1.098	1.068	1.050	1.048	1.035	0.045
43	1.737	1.648	1.579	1.501	1.445	1.393	1.319	1.248	1.207	1.176	1.145	1.123	1.093	1.076	1.074	1.060	0.046
44	1.767	1.679	1.611	1.534	1.478	1.427	1.354	1.283	1.243	1.212	1.180	1.159	1.129	1.112	1.110	1.096	0.048
45	1.798	1.712	1.646	1.569	1.514	1.463	1.391	1.321	1.281	1.250	1.219	1.197	1.168	1.150	1.148	1.135	0.050
46	1.820	1.735	1.670	1.594	1.539	1.489	1.417	1.347	1.307	1.276	1.245	1.224	1.195	1.177	1.175	1.162	0.051
47	1.849	1.766	1.701	1.626	1.573	1.523	1.451	1.382	1.343	1.312	1.281	1.260	1.230	1.213	1.211	1.198	0.052
48	1.870	1.788	1.724	1.650	1.597	1.547	1.476	1.407	1.368	1.337	1.306	1.285	1.256	1.239	1.237	1.223	0.054
49	1.904	1.824	1.761	1.687	1.635	1.586	1.515	1.447	1.408	1.377	1.347	1.326	1.297	1.280	1.278	1.264	0.055
50	1.928	1.849	1.787	1.714	1.662	1.614	1.543	1.476	1.437	1.407	1.377	1.356	1.327	1.310	1.308	1.295	0.057

Table 2C.7. Projected charter **savings per day** (lbs) for Area 2C in 2027 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 days closed from mid-May to mid-September for **Monday, Tuesday, Wednesday, Friday, Saturday, and Sunday.** 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. Monday closures

Lower Length Limit (in)	Closed Mondays																		Projected removals (O80 upper limit)
	September	August	August	August	August	August	July	July	July	July	June	June	June	June	May	May	May	May	
	6	30	23	16	9	2	26	19	12	5	28	21	14	7	31	24	17	10	
32	2,699	4,336	7,770	9,153	6,862	10,271	10,145	9,375	9,993	7,816	7,704	8,077	6,288	5,384	3,935	2,280	1,316	330	688,428
33	2,831	4,541	8,158	9,581	7,186	10,779	10,640	9,823	10,470	8,195	8,072	8,461	6,580	5,633	4,133	2,384	1,377	349	721,895
34	3,005	4,799	8,595	10,086	7,576	11,362	11,201	10,355	11,031	8,615	8,492	8,927	6,920	5,940	4,370	2,525	1,462	373	761,273
35	3,129	4,984	8,934	10,480	7,871	11,805	11,635	10,762	11,458	8,952	8,822	9,285	7,195	6,173	4,556	2,633	1,524	389	791,180
36	3,350	5,295	9,504	11,105	8,346	12,538	12,349	11,410	12,145	9,499	9,353	9,867	7,638	6,549	4,879	2,816	1,636	418	840,149
37	3,489	5,497	9,848	11,486	8,647	12,972	12,777	11,808	12,567	9,833	9,671	10,224	7,906	6,786	5,078	2,927	1,703	433	869,916
38	3,673	5,781	10,353	12,061	9,094	13,636	13,419	12,421	13,208	10,327	10,153	10,754	8,293	7,132	5,348	3,075	1,788	459	914,812
39	3,822	5,993	10,739	12,488	9,418	14,128	13,904	12,860	13,675	10,701	10,514	11,149	8,597	7,389	5,567	3,199	1,863	477	947,917
40	3,947	6,163	11,068	12,864	9,697	14,554	14,316	13,250	14,076	11,025	10,830	11,503	8,868	7,612	5,765	3,315	1,930	493	976,697
41	4,093	6,382	11,461	13,298	10,041	15,059	14,805	13,717	14,562	11,408	11,195	11,913	9,166	7,877	5,986	3,431	1,996	512	1,011,081
42	4,202	6,529	11,727	13,614	10,277	15,398	15,139	14,040	14,893	11,673	11,455	12,214	9,399	8,070	6,156	3,537	2,057	523	1,034,699
43	4,315	6,692	12,038	13,947	10,533	15,772	15,520	14,377	15,254	11,986	11,740	12,523	9,649	8,273	6,340	3,633	2,113	532	1,060,189
44	4,473	6,906	12,443	14,418	10,878	16,309	16,034	14,865	15,757	12,377	12,134	12,963	9,981	8,550	6,577	3,778	2,200	555	1,096,265
45	4,662	7,159	12,881	14,920	11,261	16,871	16,582	15,383	16,297	12,797	12,548	13,442	10,341	8,861	6,846	3,944	2,300	577	1,134,912
46	4,804	7,336	13,167	15,273	11,527	17,255	16,941	15,752	16,668	13,064	12,827	13,791	10,590	9,083	7,037	4,078	2,381	595	1,161,896
47	4,948	7,548	13,564	15,740	11,878	17,787	17,448	16,248	17,175	13,454	13,217	14,225	10,910	9,359	7,259	4,208	2,454	616	1,197,820
48	5,067	7,702	13,845	16,071	12,121	18,166	17,805	16,594	17,528	13,719	13,490	14,540	11,142	9,556	7,429	4,318	2,521	634	1,223,373
49	5,220	7,955	14,311	16,626	12,537	18,770	18,411	17,160	18,127	14,203	13,957	15,032	11,532	9,883	7,672	4,454	2,595	649	1,264,443
50	5,343	8,135	14,662	17,023	12,838	19,210	18,848	17,570	18,552	14,561	14,293	15,402	11,822	10,120	7,880	4,567	2,658	661	1,294,514

Table 2C.7. (continued)

b. Tuesday closures

Lower Length Limit (in)	Closed Tuesdays																		Projected removals (O80 upper limit)
	September	August	August	August	August	August	July	July	July	July	June	June	June	June	June	May	May	May	
	7	31	24	17	10	3	27	20	13	6	29	22	15	8	1	25	18	11	
32	2,699	4,336	7,770	9,153	6,862	10,271	10,145	9,375	9,993	7,816	7,704	8,077	6,288	5,384	3,935	2,280	1,316	330	688,428
33	2,831	4,541	8,158	9,581	7,186	10,779	10,640	9,823	10,470	8,195	8,072	8,461	6,580	5,633	4,133	2,384	1,377	349	721,895
34	3,005	4,799	8,595	10,086	7,576	11,362	11,201	10,355	11,031	8,615	8,492	8,927	6,920	5,940	4,370	2,525	1,462	373	761,273
35	3,129	4,984	8,934	10,480	7,871	11,805	11,635	10,762	11,458	8,952	8,822	9,285	7,195	6,173	4,556	2,633	1,524	389	791,180
36	3,350	5,295	9,504	11,105	8,346	12,538	12,349	11,410	12,145	9,499	9,353	9,867	7,638	6,549	4,879	2,816	1,636	418	840,149
37	3,489	5,497	9,848	11,486	8,647	12,972	12,777	11,808	12,567	9,833	9,671	10,224	7,906	6,786	5,078	2,927	1,703	433	869,916
38	3,673	5,781	10,353	12,061	9,094	13,636	13,419	12,421	13,208	10,327	10,153	10,754	8,293	7,132	5,348	3,075	1,788	459	914,812
39	3,822	5,993	10,739	12,488	9,418	14,128	13,904	12,860	13,675	10,701	10,514	11,149	8,597	7,389	5,567	3,199	1,863	477	947,917
40	3,947	6,163	11,068	12,864	9,697	14,554	14,316	13,250	14,076	11,025	10,830	11,503	8,868	7,612	5,765	3,315	1,930	493	976,697
41	4,093	6,382	11,461	13,298	10,041	15,059	14,805	13,717	14,562	11,408	11,195	11,913	9,166	7,877	5,986	3,431	1,996	512	1,011,081
42	4,202	6,529	11,727	13,614	10,277	15,398	15,139	14,040	14,893	11,673	11,455	12,214	9,399	8,070	6,156	3,537	2,057	523	1,034,699
43	4,315	6,692	12,038	13,947	10,533	15,772	15,520	14,377	15,254	11,986	11,740	12,523	9,649	8,273	6,340	3,633	2,113	532	1,060,189
44	4,473	6,906	12,443	14,418	10,878	16,309	16,034	14,865	15,757	12,377	12,134	12,963	9,981	8,550	6,577	3,778	2,200	555	1,096,265
45	4,662	7,159	12,881	14,920	11,261	16,871	16,582	15,383	16,297	12,797	12,548	13,442	10,341	8,861	6,846	3,944	2,300	577	1,134,912
46	4,804	7,336	13,167	15,273	11,527	17,255	16,941	15,752	16,668	13,064	12,827	13,791	10,590	9,083	7,037	4,078	2,381	595	1,161,896
47	4,948	7,548	13,564	15,740	11,878	17,787	17,448	16,248	17,175	13,454	13,217	14,225	10,910	9,359	7,259	4,208	2,454	616	1,197,820
48	5,067	7,702	13,845	16,071	12,121	18,166	17,805	16,594	17,528	13,719	13,490	14,540	11,142	9,556	7,429	4,318	2,521	634	1,223,373
49	5,220	7,955	14,311	16,626	12,537	18,770	18,411	17,160	18,127	14,203	13,957	15,032	11,532	9,883	7,672	4,454	2,595	649	1,264,443
50	5,343	8,135	14,662	17,023	12,838	19,210	18,848	17,570	18,552	14,561	14,293	15,402	11,822	10,120	7,880	4,567	2,658	661	1,294,514

Note: Tuesday savings are the same as Monday savings because 2025 was used as the reference year. Since all Tuesdays were closed in 2025, Monday savings were substituted.

Table 2C.7. (continued)

c. Wednesday closures

Lower Length Limit (in)	Closed Wednesdays																		Projected removals (O80 upper limit)
	September	September	August	August	August	August	July	July	July	July	June	June	June	June	June	May	May	May	
	8	1	25	18	11	4	28	21	14	7	30	23	16	9	2	26	19	12	
32	1,836	4,019	7,316	9,330	9,758	9,504	9,878	9,625	9,091	8,781	8,126	9,045	7,872	5,939	4,412	1,426	1,791	489	688,428
33	1,938	4,234	7,668	9,757	10,237	9,973	10,368	10,093	9,541	9,210	8,523	9,469	8,243	6,220	4,630	1,489	1,878	527	721,895
34	2,066	4,477	8,079	10,262	10,786	10,509	10,938	10,630	10,050	9,695	8,981	9,969	8,672	6,559	4,889	1,575	1,991	562	761,273
35	2,151	4,660	8,398	10,652	11,212	10,925	11,376	11,049	10,442	10,076	9,330	10,360	9,026	6,828	5,100	1,642	2,071	589	791,180
36	2,305	4,978	8,914	11,255	11,904	11,598	12,090	11,724	11,063	10,675	9,886	10,970	9,562	7,250	5,443	1,753	2,214	644	840,149
37	2,396	5,168	9,233	11,634	12,323	12,008	12,523	12,134	11,450	11,045	10,225	11,351	9,899	7,520	5,655	1,823	2,296	671	869,916
38	2,536	5,452	9,711	12,216	12,963	12,639	13,188	12,763	12,061	11,628	10,760	11,938	10,430	7,926	5,966	1,915	2,410	716	914,812
39	2,636	5,664	10,062	12,630	13,430	13,094	13,669	13,220	12,482	12,034	11,135	12,354	10,796	8,214	6,198	1,992	2,505	750	947,917
40	2,720	5,848	10,372	12,985	13,846	13,499	14,103	13,629	12,852	12,400	11,465	12,728	11,155	8,485	6,428	2,063	2,585	784	976,697
41	2,829	6,074	10,741	13,421	14,339	13,988	14,619	14,113	13,325	12,850	11,871	13,178	11,573	8,807	6,681	2,137	2,671	823	1,011,081
42	2,893	6,217	11,000	13,720	14,675	14,315	14,970	14,446	13,620	13,145	12,134	13,492	11,876	9,039	6,877	2,204	2,739	844	1,034,699
43	2,956	6,383	11,283	14,045	15,045	14,676	15,346	14,811	13,954	13,472	12,421	13,825	12,191	9,282	7,076	2,267	2,802	870	1,060,189
44	3,069	6,609	11,663	14,488	15,557	15,175	15,882	15,313	14,407	13,917	12,833	14,283	12,613	9,604	7,347	2,355	2,911	911	1,096,265
45	3,189	6,851	12,074	14,966	16,096	15,698	16,443	15,841	14,880	14,380	13,261	14,772	13,051	9,955	7,636	2,458	3,030	947	1,134,912
46	3,282	7,013	12,357	15,291	16,464	16,056	16,839	16,204	15,196	14,693	13,556	15,115	13,364	10,209	7,852	2,539	3,124	971	1,161,896
47	3,393	7,237	12,740	15,749	16,981	16,564	17,381	16,712	15,677	15,160	13,982	15,589	13,811	10,542	8,120	2,619	3,219	1,010	1,197,820
48	3,479	7,397	13,005	16,056	17,338	16,912	17,759	17,062	15,989	15,466	14,270	15,908	14,101	10,767	8,312	2,684	3,302	1,040	1,223,373
49	3,573	7,633	13,454	16,626	17,931	17,492	18,358	17,652	16,547	16,012	14,759	16,470	14,620	11,149	8,600	2,774	3,397	1,067	1,264,443
50	3,649	7,825	13,788	17,013	18,372	17,926	18,814	18,089	16,952	16,412	15,107	16,876	15,022	11,447	8,846	2,847	3,469	1,099	1,294,514

Table 2C.7. (continued)

d. Friday closures

Lower Length Limit (in)	Closed Fridays																		Projected removals (O80 upper limit)
	September	September	August	August	August	August	July	July	July	July	July	June	June	June	June	May	May	May	
	10	3	27	20	13	6	30	23	16	9	2	25	18	11	4	28	21	14	
32	1,722	3,981	6,495	8,730	8,849	9,273	9,158	10,069	9,454	7,751	6,850	7,586	8,447	7,470	4,197	2,683	1,850	654	688,428
33	1,813	4,198	6,802	9,152	9,280	9,718	9,598	10,564	9,921	8,127	7,182	7,946	8,855	7,820	4,405	2,806	1,938	690	721,895
34	1,929	4,449	7,170	9,648	9,794	10,236	10,111	11,141	10,467	8,561	7,565	8,380	9,326	8,242	4,660	2,973	2,055	735	761,273
35	2,008	4,631	7,451	10,017	10,189	10,636	10,492	11,578	10,883	8,894	7,853	8,711	9,690	8,564	4,856	3,097	2,139	765	791,180
36	2,149	4,961	7,896	10,624	10,835	11,288	11,110	12,296	11,568	9,434	8,315	9,236	10,272	9,075	5,179	3,317	2,291	821	840,149
37	2,235	5,154	8,174	10,988	11,232	11,685	11,481	12,727	11,982	9,766	8,601	9,559	10,623	9,390	5,377	3,452	2,378	852	869,916
38	2,362	5,435	8,598	11,541	11,823	12,277	12,058	13,387	12,608	10,267	9,044	10,058	11,169	9,870	5,673	3,621	2,493	899	914,812
39	2,454	5,652	8,902	11,950	12,261	12,720	12,475	13,870	13,070	10,635	9,358	10,413	11,562	10,218	5,890	3,772	2,595	935	947,917
40	2,533	5,838	9,170	12,293	12,653	13,105	12,821	14,292	13,476	10,949	9,622	10,732	11,910	10,525	6,097	3,900	2,681	965	976,697
41	2,633	6,061	9,494	12,707	13,114	13,559	13,248	14,796	13,959	11,333	9,958	11,113	12,325	10,889	6,334	4,033	2,767	1,000	1,011,081
42	2,697	6,205	9,719	12,984	13,441	13,878	13,524	15,136	14,289	11,590	10,170	11,379	12,607	11,148	6,509	4,152	2,843	1,023	1,034,699
43	2,760	6,367	9,956	13,286	13,787	14,229	13,830	15,504	14,645	11,879	10,411	11,650	12,911	11,415	6,680	4,268	2,913	1,046	1,060,189
44	2,863	6,603	10,289	13,727	14,270	14,707	14,276	16,035	15,152	12,269	10,742	12,050	13,346	11,801	6,934	4,432	3,028	1,086	1,096,265
45	2,977	6,856	10,648	14,197	14,793	15,221	14,746	16,594	15,692	12,690	11,094	12,475	13,799	12,214	7,205	4,629	3,159	1,131	1,134,912
46	3,064	7,033	10,903	14,521	15,167	15,572	15,065	16,983	16,071	12,972	11,327	12,786	14,113	12,512	7,412	4,782	3,262	1,165	1,161,896
47	3,165	7,257	11,244	14,957	15,648	16,046	15,514	17,513	16,575	13,366	11,671	13,193	14,554	12,902	7,664	4,922	3,358	1,202	1,197,820
48	3,242	7,428	11,479	15,271	15,993	16,381	15,828	17,889	16,935	13,639	11,900	13,479	14,859	13,176	7,848	5,046	3,446	1,233	1,223,373
49	3,337	7,651	11,875	15,777	16,531	16,941	16,359	18,487	17,499	14,105	12,309	13,938	15,369	13,628	8,109	5,201	3,545	1,266	1,264,443
50	3,412	7,834	12,161	16,127	16,944	17,351	16,716	18,925	17,921	14,441	12,593	14,272	15,736	13,951	8,324	5,326	3,622	1,291	1,294,514

Table 2C.7. (continued)

e. Saturday closures

Lower Length Limit (in)	Closed Saturdays																		Projected removals (O80 upper limit)
	September	September	August	August	August	August	July	July	July	July	July	June	June	June	June	May	May	May	
	11	4	28	21	14	7	31	24	17	10	3	26	19	12	5	29	22	15	
32	1,408	3,199	5,543	7,130	8,256	6,633	9,579	9,333	9,233	7,089	5,506	6,868	8,011	6,676	3,521	2,920	1,929	1,129	688,428
33	1,488	3,376	5,811	7,473	8,644	6,956	10,055	9,797	9,680	7,418	5,773	7,175	8,392	6,974	3,688	3,055	2,018	1,185	721,895
34	1,585	3,594	6,125	7,885	9,091	7,322	10,596	10,325	10,180	7,805	6,074	7,546	8,848	7,335	3,901	3,238	2,139	1,261	761,273
35	1,652	3,742	6,371	8,192	9,438	7,620	11,008	10,727	10,568	8,106	6,303	7,838	9,189	7,618	4,067	3,371	2,226	1,314	791,180
36	1,781	4,026	6,774	8,697	9,993	8,106	11,689	11,389	11,189	8,592	6,668	8,295	9,745	8,055	4,335	3,607	2,384	1,412	840,149
37	1,857	4,195	7,023	9,004	10,326	8,416	12,096	11,789	11,552	8,895	6,892	8,582	10,087	8,326	4,506	3,748	2,477	1,469	869,916
38	1,961	4,427	7,386	9,464	10,834	8,857	12,718	12,402	12,125	9,333	7,243	9,002	10,600	8,734	4,752	3,931	2,594	1,545	914,812
39	2,046	4,614	7,660	9,806	11,211	9,191	13,177	12,848	12,544	9,668	7,491	9,317	10,978	9,035	4,934	4,091	2,701	1,610	947,917
40	2,116	4,764	7,904	10,096	11,535	9,490	13,569	13,232	12,905	9,949	7,698	9,594	11,296	9,300	5,109	4,228	2,790	1,666	976,697
41	2,200	4,949	8,188	10,445	11,914	9,846	14,044	13,703	13,329	10,283	7,962	9,912	11,685	9,605	5,307	4,369	2,879	1,724	1,011,081
42	2,255	5,069	8,394	10,685	12,179	10,101	14,355	14,009	13,613	10,524	8,126	10,154	11,950	9,836	5,461	4,493	2,959	1,772	1,034,699
43	2,317	5,201	8,618	10,941	12,472	10,398	14,709	14,357	13,929	10,796	8,318	10,410	12,237	10,072	5,611	4,610	3,037	1,817	1,060,189
44	2,407	5,397	8,915	11,311	12,879	10,745	15,201	14,835	14,388	11,143	8,577	10,752	12,640	10,404	5,822	4,788	3,154	1,891	1,096,265
45	2,510	5,623	9,240	11,712	13,309	11,135	15,719	15,340	14,854	11,532	8,849	11,128	13,080	10,762	6,056	4,995	3,292	1,975	1,134,912
46	2,584	5,786	9,466	11,996	13,597	11,390	16,064	15,676	15,164	11,791	9,022	11,392	13,386	11,018	6,238	5,157	3,399	2,042	1,161,896
47	2,665	5,964	9,759	12,362	14,002	11,741	16,556	16,159	15,623	12,133	9,292	11,731	13,788	11,350	6,446	5,312	3,496	2,105	1,197,820
48	2,733	6,113	9,968	12,627	14,285	11,977	16,900	16,492	15,942	12,375	9,469	11,970	14,074	11,584	6,599	5,448	3,585	2,162	1,223,373
49	2,808	6,280	10,309	13,044	14,780	12,405	17,467	17,050	16,488	12,806	9,799	12,396	14,548	11,994	6,823	5,612	3,690	2,222	1,264,443
50	2,874	6,420	10,570	13,343	15,123	12,745	17,878	17,458	16,863	13,113	10,023	12,696	14,882	12,278	7,008	5,741	3,772	2,271	1,294,514

Table 2C.7. (continued)

f. Sunday closures

Lower Length Limit (in)	Closed Sundays																		Projected removals (O80 upper limit)
	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	1,327	2,719	4,722	7,870	8,015	5,871	9,026	9,333	9,002	8,434	5,794	7,486	7,243	6,669	2,799	3,316	1,744	1,442	688,428
33	1,409	2,876	4,958	8,244	8,398	6,182	9,449	9,800	9,426	8,844	6,090	7,846	7,584	6,995	2,937	3,478	1,825	1,515	721,895
34	1,501	3,062	5,241	8,679	8,839	6,515	9,946	10,335	9,928	9,323	6,417	8,266	8,004	7,383	3,108	3,686	1,931	1,612	761,273
35	1,567	3,189	5,440	9,001	9,183	6,772	10,325	10,728	10,300	9,677	6,658	8,578	8,300	7,672	3,238	3,833	2,009	1,681	791,180
36	1,696	3,435	5,784	9,526	9,735	7,207	10,943	11,393	10,894	10,260	7,065	9,092	8,793	8,150	3,444	4,090	2,142	1,805	840,149
37	1,768	3,582	5,998	9,841	10,066	7,462	11,323	11,789	11,250	10,610	7,305	9,391	9,092	8,433	3,573	4,245	2,221	1,877	869,916
38	1,871	3,785	6,308	10,322	10,571	7,860	11,878	12,388	11,806	11,147	7,678	9,853	9,539	8,864	3,775	4,462	2,329	1,976	914,812
39	1,955	3,946	6,540	10,678	10,945	8,150	12,301	12,835	12,208	11,540	7,951	10,198	9,872	9,185	3,913	4,634	2,419	2,058	947,917
40	2,028	4,077	6,717	10,963	11,274	8,402	12,650	13,196	12,541	11,866	8,169	10,485	10,130	9,462	4,046	4,776	2,497	2,132	976,697
41	2,113	4,241	6,954	11,316	11,655	8,711	13,068	13,647	12,947	12,267	8,450	10,823	10,456	9,787	4,205	4,941	2,577	2,209	1,011,081
42	2,167	4,341	7,096	11,546	11,923	8,901	13,361	13,930	13,216	12,528	8,613	11,052	10,667	10,012	4,315	5,060	2,646	2,272	1,034,699
43	2,228	4,459	7,264	11,805	12,215	9,131	13,690	14,258	13,500	12,816	8,815	11,299	10,895	10,245	4,422	5,180	2,709	2,328	1,060,189
44	2,321	4,625	7,494	12,178	12,626	9,440	14,131	14,724	13,938	13,237	9,095	11,675	11,242	10,602	4,585	5,367	2,812	2,425	1,096,265
45	2,419	4,814	7,757	12,576	13,057	9,755	14,617	15,222	14,396	13,683	9,387	12,068	11,627	10,979	4,757	5,580	2,927	2,532	1,134,912
46	2,489	4,944	7,931	12,840	13,351	9,954	14,942	15,550	14,716	13,987	9,568	12,338	11,895	11,249	4,891	5,739	3,016	2,619	1,161,896
47	2,574	5,098	8,158	13,209	13,759	10,267	15,374	16,010	15,153	14,406	9,851	12,704	12,233	11,597	5,060	5,911	3,107	2,705	1,197,820
48	2,643	5,222	8,323	13,472	14,047	10,478	15,682	16,339	15,464	14,703	10,045	12,972	12,484	11,855	5,179	6,052	3,184	2,780	1,223,373
49	2,714	5,365	8,585	13,923	14,529	10,828	16,217	16,869	15,982	15,190	10,374	13,398	12,884	12,240	5,352	6,233	3,282	2,858	1,264,443
50	2,782	5,490	8,766	14,217	14,875	11,096	16,588	17,239	16,319	15,525	10,601	13,684	13,139	12,518	5,490	6,366	3,354	2,924	1,294,514

Table 2C.8. Projected charter removals (Mlb, includes release mortality) for Area 2C in 2027 under a one-fish of any size per year and reverse slot limits for the remainder of the year ranging from U24O50 to U50O80 with a 1-fish bag limit. The harvest projection is for all days open throughout the season. All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. The last column is the release mortality estimate (Mlb) for the UXO80 removal estimates. The one-fish of any size per year portion contributes 0.953 Mlb of removals. All combinations exceed the 2026 allocation of 0.650 Mlb.

Lower Length 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	
24	1.526	1.469	1.425	1.376	1.338	1.306	1.264	1.222	1.199	1.181	1.163	1.150	1.134	1.123	1.122	1.113	0.049
25	1.551	1.495	1.452	1.403	1.367	1.335	1.293	1.252	1.228	1.211	1.192	1.180	1.164	1.153	1.152	1.144	0.050
26	1.572	1.517	1.475	1.427	1.390	1.359	1.317	1.276	1.253	1.235	1.217	1.205	1.189	1.178	1.177	1.169	0.051
27	1.587	1.532	1.490	1.442	1.406	1.375	1.333	1.293	1.270	1.252	1.234	1.221	1.205	1.195	1.194	1.185	0.052
28	1.610	1.556	1.514	1.467	1.432	1.400	1.359	1.319	1.296	1.279	1.261	1.248	1.232	1.222	1.221	1.212	0.053
29	1.626	1.572	1.531	1.484	1.449	1.418	1.377	1.337	1.314	1.297	1.279	1.267	1.251	1.240	1.239	1.231	0.054
30	1.647	1.595	1.554	1.508	1.473	1.442	1.402	1.362	1.340	1.322	1.304	1.292	1.276	1.266	1.265	1.256	0.055
31	1.664	1.612	1.571	1.526	1.491	1.461	1.420	1.381	1.358	1.341	1.323	1.311	1.295	1.285	1.284	1.276	0.056
32	1.683	1.632	1.593	1.547	1.513	1.483	1.443	1.404	1.382	1.365	1.347	1.335	1.319	1.309	1.307	1.299	0.057
33	1.697	1.646	1.607	1.562	1.528	1.498	1.459	1.420	1.397	1.380	1.363	1.350	1.335	1.325	1.323	1.315	0.058
34	1.713	1.663	1.624	1.580	1.546	1.516	1.477	1.438	1.416	1.399	1.381	1.369	1.354	1.343	1.342	1.334	0.058
35	1.725	1.676	1.637	1.593	1.560	1.530	1.491	1.453	1.431	1.414	1.396	1.384	1.369	1.358	1.357	1.349	0.059
36	1.745	1.697	1.659	1.615	1.582	1.553	1.514	1.476	1.454	1.437	1.420	1.408	1.392	1.382	1.381	1.373	0.060
37	1.757	1.709	1.672	1.629	1.596	1.567	1.528	1.490	1.468	1.452	1.434	1.422	1.407	1.397	1.395	1.387	0.061
38	1.775	1.728	1.691	1.648	1.616	1.587	1.549	1.511	1.489	1.473	1.456	1.444	1.428	1.418	1.417	1.409	0.062
39	1.788	1.742	1.706	1.663	1.631	1.603	1.564	1.527	1.505	1.489	1.472	1.460	1.445	1.434	1.433	1.425	0.062
40	1.800	1.754	1.718	1.676	1.644	1.616	1.578	1.541	1.519	1.503	1.486	1.474	1.459	1.449	1.448	1.440	0.063
41	1.813	1.768	1.733	1.691	1.660	1.632	1.594	1.557	1.536	1.519	1.502	1.490	1.475	1.465	1.464	1.456	0.064
42	1.823	1.778	1.743	1.702	1.671	1.643	1.606	1.569	1.548	1.531	1.515	1.503	1.488	1.478	1.476	1.469	0.064
43	1.833	1.790	1.755	1.714	1.683	1.656	1.618	1.582	1.561	1.544	1.528	1.516	1.501	1.491	1.490	1.482	0.065
44	1.848	1.805	1.771	1.730	1.700	1.672	1.635	1.599	1.578	1.562	1.545	1.533	1.519	1.508	1.507	1.499	0.066
45	1.863	1.821	1.788	1.748	1.718	1.690	1.654	1.618	1.597	1.581	1.564	1.552	1.538	1.528	1.526	1.519	0.067
46	1.874	1.832	1.799	1.760	1.730	1.703	1.666	1.631	1.610	1.594	1.578	1.566	1.551	1.541	1.540	1.532	0.067
47	1.888	1.847	1.815	1.776	1.746	1.719	1.683	1.648	1.627	1.611	1.595	1.583	1.569	1.559	1.557	1.550	0.068
48	1.898	1.858	1.826	1.787	1.758	1.731	1.695	1.660	1.639	1.624	1.607	1.596	1.581	1.571	1.570	1.562	0.068
49	1.916	1.876	1.844	1.806	1.777	1.751	1.716	1.681	1.660	1.645	1.628	1.617	1.602	1.592	1.591	1.584	0.069
50	1.928	1.889	1.858	1.820	1.792	1.766	1.730	1.696	1.676	1.660	1.644	1.632	1.618	1.608	1.607	1.599	0.070

Table 2C.9. Projected charter **savings per day** (lbs) for Area 2C in 2027 under a one-fish of any size per year and reverse slot limits for the remainder of the year with lower limits of the protected slot ranging from 24 to 50 inches and an upper limit of 80 inches with days closed from mid-May to mid-September for **Monday, Tuesday, Wednesday, Friday, Saturday, and Sunday.** 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. Monday closures

Lower Length Limit (in)	Closed Mon totals																		Projected removals (O80 upper limit)
	September	August	August	August	August	August	July	July	July	July	June	June	June	June	May	May	May	May	
	6	30	23	16	9	2	26	19	12	5	28	21	14	7	31	24	17	10	
24	4,541	6,961	12,343	14,524	11,010	16,523	15,951	15,234	15,937	12,140	12,116	13,211	9,826	8,630	6,537	3,845	2,220	631	1,113,398
25	4,683	7,165	12,691	14,936	11,317	16,960	16,398	15,637	16,371	12,492	12,457	13,583	10,132	8,882	6,741	3,974	2,298	642	1,143,539
26	4,777	7,319	12,986	15,288	11,568	17,338	16,789	15,975	16,742	12,803	12,758	13,879	10,389	9,084	6,887	4,060	2,348	649	1,168,663
27	4,853	7,431	13,182	15,506	11,733	17,588	17,038	16,195	16,981	12,993	12,943	14,075	10,544	9,216	6,993	4,122	2,387	658	1,185,359
28	4,945	7,595	13,482	15,882	12,007	17,990	17,442	16,573	17,383	13,310	13,258	14,395	10,803	9,432	7,135	4,208	2,432	667	1,212,436
29	5,019	7,706	13,701	16,130	12,186	18,272	17,724	16,819	17,648	13,530	13,471	14,613	10,983	9,574	7,251	4,273	2,472	676	1,230,961
30	5,129	7,872	13,997	16,475	12,441	18,651	18,108	17,159	18,018	13,829	13,762	14,917	11,232	9,780	7,410	4,369	2,530	686	1,256,496
31	5,214	7,995	14,223	16,729	12,630	18,936	18,394	17,413	18,291	14,053	13,977	15,146	11,417	9,932	7,537	4,443	2,575	695	1,275,627
32	5,314	8,150	14,487	17,049	12,872	19,281	18,737	17,739	18,635	14,320	14,241	15,435	11,640	10,125	7,680	4,531	2,625	705	1,299,381
33	5,377	8,247	14,677	17,260	13,028	19,524	18,981	17,951	18,865	14,512	14,424	15,620	11,792	10,247	7,779	4,584	2,656	712	1,315,338
34	5,460	8,370	14,891	17,511	13,216	19,801	19,256	18,204	19,135	14,724	14,633	15,847	11,970	10,399	7,898	4,657	2,700	721	1,334,164
35	5,522	8,463	15,064	17,713	13,366	20,022	19,478	18,407	19,350	14,900	14,804	16,028	12,117	10,518	7,994	4,713	2,733	727	1,349,126
36	5,630	8,613	15,346	18,025	13,597	20,374	19,832	18,718	19,684	15,178	15,069	16,313	12,348	10,705	8,158	4,808	2,790	739	1,372,788
37	5,698	8,711	15,517	18,218	13,745	20,586	20,046	18,913	19,892	15,348	15,230	16,492	12,489	10,824	8,259	4,866	2,825	745	1,387,381
38	5,786	8,847	15,765	18,504	13,962	20,904	20,363	19,207	20,202	15,599	15,471	16,751	12,692	10,995	8,395	4,942	2,869	754	1,408,968
39	5,860	8,951	15,958	18,719	14,122	21,144	20,605	19,421	20,433	15,790	15,654	16,947	12,851	11,124	8,506	5,007	2,908	761	1,425,209
40	5,923	9,036	16,127	18,913	14,264	21,357	20,817	19,616	20,635	15,961	15,817	17,128	12,996	11,239	8,610	5,068	2,943	767	1,439,657
41	5,993	9,141	16,319	19,128	14,431	21,597	21,056	19,839	20,870	16,154	15,998	17,328	13,151	11,370	8,721	5,128	2,977	774	1,456,139
42	6,050	9,218	16,460	19,296	14,556	21,774	21,233	20,009	21,044	16,297	16,136	17,488	13,277	11,473	8,812	5,185	3,010	779	1,468,525
43	6,108	9,301	16,621	19,472	14,689	21,967	21,431	20,184	21,231	16,461	16,286	17,650	13,411	11,579	8,909	5,236	3,039	783	1,481,729
44	6,187	9,408	16,826	19,710	14,861	22,230	21,691	20,423	21,480	16,665	16,487	17,869	13,587	11,720	9,031	5,312	3,084	792	1,499,485
45	6,282	9,534	17,047	19,966	15,053	22,508	21,968	20,679	21,750	16,882	16,698	18,111	13,778	11,879	9,170	5,399	3,137	801	1,518,700
46	6,354	9,624	17,192	20,146	15,187	22,695	22,149	20,861	21,935	17,020	16,840	18,287	13,910	11,992	9,271	5,469	3,179	808	1,532,062
47	6,425	9,728	17,392	20,382	15,361	22,954	22,404	21,103	22,185	17,224	17,038	18,503	14,079	12,132	9,385	5,536	3,217	816	1,549,649
48	6,484	9,804	17,533	20,547	15,481	23,136	22,583	21,269	22,358	17,361	17,176	18,658	14,202	12,231	9,472	5,593	3,251	823	1,562,037
49	6,562	9,934	17,778	20,844	15,700	23,452	22,903	21,566	22,673	17,620	17,425	18,918	14,414	12,404	9,600	5,666	3,291	829	1,583,516
50	6,625	10,027	17,962	21,053	15,857	23,678	23,132	21,779	22,894	17,810	17,602	19,112	14,571	12,529	9,711	5,726	3,324	834	1,599,108

Table 2C.9. (continued)

b. Tuesday closures

Lower Length Limit (in)	Closed Tue totals																	Projected removals (O80 upper limit)
	September	August	August	August	August	August	July	July	July	July	June	June	June	June	June	May	May	May	
	7	31	24	17	10	3	27	20	13	6	29	22	15	8	1	25	18	11	
24	4,541	6,961	12,343	14,524	11,010	16,523	15,951	15,234	15,937	12,140	12,116	13,211	9,826	8,630	6,537	3,845	2,220	631	1,113,398
25	4,683	7,165	12,691	14,936	11,317	16,960	16,398	15,637	16,371	12,492	12,457	13,583	10,132	8,882	6,741	3,974	2,298	642	1,143,539
26	4,777	7,319	12,986	15,288	11,568	17,338	16,789	15,975	16,742	12,803	12,758	13,879	10,389	9,084	6,887	4,060	2,348	649	1,168,663
27	4,853	7,431	13,182	15,506	11,733	17,588	17,038	16,195	16,981	12,993	12,943	14,075	10,544	9,216	6,993	4,122	2,387	658	1,185,359
28	4,945	7,595	13,482	15,882	12,007	17,990	17,442	16,573	17,383	13,310	13,258	14,395	10,803	9,432	7,135	4,208	2,432	667	1,212,436
29	5,019	7,706	13,701	16,130	12,186	18,272	17,724	16,819	17,648	13,530	13,471	14,613	10,983	9,574	7,251	4,273	2,472	676	1,230,961
30	5,129	7,872	13,997	16,475	12,441	18,651	18,108	17,159	18,018	13,829	13,762	14,917	11,232	9,780	7,410	4,369	2,530	686	1,256,496
31	5,214	7,995	14,223	16,729	12,630	18,936	18,394	17,413	18,291	14,053	13,977	15,146	11,417	9,932	7,537	4,443	2,575	695	1,275,627
32	5,314	8,150	14,487	17,049	12,872	19,281	18,737	17,739	18,635	14,320	14,241	15,435	11,640	10,125	7,680	4,531	2,625	705	1,299,381
33	5,377	8,247	14,677	17,260	13,028	19,524	18,981	17,951	18,865	14,512	14,424	15,620	11,792	10,247	7,779	4,584	2,656	712	1,315,338
34	5,460	8,370	14,891	17,511	13,216	19,801	19,256	18,204	19,135	14,724	14,633	15,847	11,970	10,399	7,898	4,657	2,700	721	1,334,164
35	5,522	8,463	15,064	17,713	13,366	20,022	19,478	18,407	19,350	14,900	14,804	16,028	12,117	10,518	7,994	4,713	2,733	727	1,349,126
36	5,630	8,613	15,346	18,025	13,597	20,374	19,832	18,718	19,684	15,178	15,069	16,313	12,348	10,705	8,158	4,808	2,790	739	1,372,788
37	5,698	8,711	15,517	18,218	13,745	20,586	20,046	18,913	19,892	15,348	15,230	16,492	12,489	10,824	8,259	4,866	2,825	745	1,387,381
38	5,786	8,847	15,765	18,504	13,962	20,904	20,363	19,207	20,202	15,599	15,471	16,751	12,692	10,995	8,395	4,942	2,869	754	1,408,968
39	5,860	8,951	15,958	18,719	14,122	21,144	20,605	19,421	20,433	15,790	15,654	16,947	12,851	11,124	8,506	5,007	2,908	761	1,425,209
40	5,923	9,036	16,127	18,913	14,264	21,357	20,817	19,616	20,635	15,961	15,817	17,128	12,996	11,239	8,610	5,068	2,943	767	1,439,657
41	5,993	9,141	16,319	19,128	14,431	21,597	21,056	19,839	20,870	16,154	15,998	17,328	13,151	11,370	8,721	5,128	2,977	774	1,456,139
42	6,050	9,218	16,460	19,296	14,556	21,774	21,233	20,009	21,044	16,297	16,136	17,488	13,277	11,473	8,812	5,185	3,010	779	1,468,525
43	6,108	9,301	16,621	19,472	14,689	21,967	21,431	20,184	21,231	16,461	16,286	17,650	13,411	11,579	8,909	5,236	3,039	783	1,481,729
44	6,187	9,408	16,826	19,710	14,861	22,230	21,691	20,423	21,480	16,665	16,487	17,869	13,587	11,720	9,031	5,312	3,084	792	1,499,485
45	6,282	9,534	17,047	19,966	15,053	22,508	21,968	20,679	21,750	16,882	16,698	18,111	13,778	11,879	9,170	5,399	3,137	801	1,518,700
46	6,354	9,624	17,192	20,146	15,187	22,695	22,149	20,861	21,935	17,020	16,840	18,287	13,910	11,992	9,271	5,469	3,179	808	1,532,062
47	6,425	9,728	17,392	20,382	15,361	22,954	22,404	21,103	22,185	17,224	17,038	18,503	14,079	12,132	9,385	5,536	3,217	816	1,549,649
48	6,484	9,804	17,533	20,547	15,481	23,136	22,583	21,269	22,358	17,361	17,176	18,658	14,202	12,231	9,472	5,593	3,251	823	1,562,037
49	6,562	9,934	17,778	20,844	15,700	23,452	22,903	21,566	22,673	17,620	17,425	18,918	14,414	12,404	9,600	5,666	3,291	829	1,583,516
50	6,625	10,027	17,962	21,053	15,857	23,678	23,132	21,779	22,894	17,810	17,602	19,112	14,571	12,529	9,711	5,726	3,324	834	1,599,108

Note: Tuesday savings are the same as Monday savings because 2025 was used as the reference year. Since all Tuesdays were closed in 2025, Monday savings were substituted.

Table 2C.9. (continued)

c. Wednesday closures

Lower Length Limit (in)	Closed Wed totals																		Projected removals (O80 upper limit)
	September	September	August	August	August	August	July	July	July	July	June	June	June	June	June	May	May	May	
	8	1	25	18	11	4	28	21	14	7	30	23	16	9	2	26	19	12	
24	3,356	6,736	11,751	14,595	15,761	15,439	16,291	15,501	14,758	14,194	13,167	14,527	12,919	9,822	7,524	2,362	2,992	982	1,113,398
25	3,426	6,905	12,078	14,999	16,179	15,840	16,709	15,915	15,117	14,551	13,496	14,918	13,255	10,090	7,733	2,445	3,083	995	1,143,539
26	3,472	7,040	12,351	15,355	16,537	16,183	17,057	16,271	15,435	14,867	13,785	15,253	13,543	10,302	7,890	2,501	3,147	1,006	1,168,663
27	3,520	7,141	12,526	15,571	16,769	16,406	17,290	16,497	15,640	15,065	13,972	15,460	13,712	10,438	7,994	2,539	3,198	1,018	1,185,359
28	3,576	7,284	12,819	15,964	17,157	16,784	17,677	16,885	16,006	15,424	14,299	15,835	14,047	10,679	8,167	2,595	3,261	1,030	1,212,436
29	3,622	7,396	13,016	16,205	17,422	17,039	17,942	17,146	16,239	15,654	14,510	16,070	14,254	10,834	8,290	2,635	3,312	1,047	1,230,961
30	3,684	7,543	13,289	16,548	17,780	17,383	18,299	17,499	16,556	15,965	14,798	16,399	14,532	11,050	8,455	2,696	3,385	1,062	1,256,496
31	3,735	7,660	13,494	16,795	18,050	17,643	18,571	17,764	16,793	16,197	15,013	16,642	14,744	11,216	8,587	2,742	3,440	1,077	1,275,627
32	3,796	7,794	13,751	17,119	18,384	17,969	18,912	18,096	17,102	16,498	15,288	16,961	15,028	11,433	8,751	2,799	3,503	1,090	1,299,381
33	3,835	7,892	13,922	17,329	18,614	18,191	19,142	18,321	17,309	16,701	15,473	17,166	15,208	11,568	8,856	2,832	3,545	1,105	1,315,338
34	3,886	8,002	14,122	17,577	18,877	18,446	19,408	18,580	17,544	16,929	15,686	17,408	15,417	11,732	8,983	2,877	3,599	1,118	1,334,164
35	3,922	8,090	14,285	17,777	19,091	18,653	19,625	18,792	17,736	17,119	15,857	17,606	15,598	11,868	9,090	2,914	3,639	1,129	1,349,126
36	3,985	8,238	14,538	18,074	19,426	18,976	19,964	19,121	18,026	17,405	16,119	17,903	15,861	12,074	9,260	2,973	3,709	1,152	1,372,788
37	4,024	8,328	14,697	18,263	19,631	19,176	20,174	19,324	18,210	17,585	16,281	18,093	16,031	12,209	9,367	3,010	3,749	1,163	1,387,381
38	4,079	8,458	14,932	18,551	19,941	19,478	20,489	19,629	18,496	17,864	16,533	18,380	16,293	12,408	9,521	3,059	3,804	1,180	1,408,968
39	4,121	8,559	15,107	18,758	20,171	19,700	20,722	19,855	18,696	18,061	16,713	18,586	16,476	12,551	9,637	3,100	3,850	1,194	1,425,209
40	4,158	8,649	15,266	18,940	20,380	19,903	20,937	20,062	18,879	18,244	16,875	18,777	16,661	12,689	9,756	3,139	3,890	1,209	1,439,657
41	4,201	8,753	15,447	19,154	20,618	20,136	21,182	20,297	19,100	18,459	17,065	18,996	16,868	12,848	9,882	3,178	3,931	1,225	1,456,139
42	4,232	8,826	15,584	19,314	20,795	20,308	21,365	20,474	19,254	18,614	17,202	19,163	17,031	12,972	9,987	3,215	3,966	1,234	1,468,525
43	4,262	8,911	15,732	19,484	20,987	20,495	21,560	20,664	19,425	18,784	17,349	19,338	17,198	13,099	10,092	3,249	3,999	1,247	1,481,729
44	4,308	9,018	15,923	19,707	21,240	20,739	21,819	20,913	19,641	19,001	17,547	19,566	17,410	13,260	10,229	3,296	4,052	1,264	1,499,485
45	4,361	9,134	16,131	19,949	21,508	20,998	22,095	21,177	19,870	19,229	17,755	19,812	17,632	13,438	10,376	3,351	4,112	1,279	1,518,700
46	4,401	9,212	16,274	20,113	21,690	21,174	22,288	21,358	20,022	19,382	17,897	19,984	17,790	13,567	10,486	3,395	4,158	1,288	1,532,062
47	4,445	9,317	16,466	20,344	21,944	21,422	22,549	21,610	20,252	19,610	18,101	20,220	18,015	13,734	10,622	3,438	4,204	1,304	1,549,649
48	4,480	9,392	16,598	20,497	22,118	21,589	22,729	21,781	20,398	19,756	18,236	20,377	18,158	13,845	10,717	3,473	4,244	1,316	1,562,037
49	4,523	9,511	16,835	20,801	22,429	21,893	23,040	22,092	20,687	20,043	18,490	20,675	18,436	14,047	10,870	3,521	4,293	1,328	1,583,516
50	4,558	9,608	17,011	21,005	22,659	22,118	23,276	22,321	20,896	20,251	18,669	20,889	18,650	14,205	11,000	3,561	4,330	1,343	1,599,108

Table 2C.9. (continued)

d. Friday closures

Lower Length Limit (in)	Closed Fri totals																		Projected removals (O80 upper limit)
	September	September	August	August	August	August	July	July	July	July	July	June	June	June	June	May	May	May	
	10	3	27	20	13	6	30	23	16	9	2	25	18	11	4	28	21	14	
24	3,064	6,770	10,514	13,923	14,555	14,739	14,489	16,354	15,448	12,349	10,902	12,438	13,589	12,056	7,247	4,382	3,051	1,157	1,113,398
25	3,137	6,944	10,797	14,298	14,953	15,155	14,870	16,783	15,859	12,685	11,183	12,765	13,945	12,385	7,437	4,542	3,154	1,186	1,143,539
26	3,186	7,075	11,032	14,620	15,271	15,508	15,208	17,147	16,198	12,973	11,431	13,035	14,255	12,660	7,577	4,649	3,225	1,205	1,168,663
27	3,230	7,182	11,184	14,834	15,485	15,733	15,427	17,389	16,428	13,160	11,591	13,211	14,452	12,836	7,677	4,728	3,280	1,223	1,185,359
28	3,287	7,315	11,448	15,178	15,830	16,105	15,794	17,784	16,794	13,469	11,867	13,517	14,795	13,140	7,837	4,824	3,344	1,244	1,212,436
29	3,331	7,429	11,616	15,413	16,069	16,359	16,036	18,055	17,051	13,677	12,044	13,714	15,021	13,336	7,950	4,904	3,400	1,261	1,230,961
30	3,392	7,578	11,853	15,737	16,398	16,710	16,370	18,424	17,399	13,964	12,290	13,988	15,327	13,611	8,102	5,022	3,480	1,286	1,256,496
31	3,441	7,697	12,029	15,975	16,649	16,971	16,613	18,701	17,663	14,178	12,471	14,192	15,555	13,814	8,223	5,113	3,540	1,305	1,275,627
32	3,501	7,830	12,258	16,270	16,961	17,291	16,919	19,044	17,989	14,443	12,702	14,459	15,844	14,077	8,376	5,216	3,608	1,327	1,299,381
33	3,538	7,928	12,404	16,471	17,167	17,510	17,128	19,278	18,209	14,624	12,858	14,628	16,039	14,245	8,472	5,281	3,652	1,342	1,315,338
34	3,587	8,041	12,580	16,707	17,412	17,765	17,371	19,550	18,468	14,834	13,038	14,834	16,264	14,448	8,591	5,369	3,711	1,361	1,334,164
35	3,623	8,127	12,721	16,891	17,610	17,970	17,560	19,767	18,674	15,001	13,181	14,998	16,446	14,611	8,688	5,435	3,754	1,374	1,349,126
36	3,684	8,280	12,936	17,183	17,923	18,293	17,854	20,110	19,003	15,264	13,400	15,248	16,727	14,859	8,841	5,551	3,831	1,399	1,372,788
37	3,722	8,371	13,072	17,360	18,119	18,492	18,034	20,320	19,205	15,428	13,537	15,406	16,899	15,015	8,937	5,623	3,877	1,413	1,387,381
38	3,776	8,497	13,277	17,624	18,404	18,784	18,308	20,633	19,503	15,671	13,747	15,644	17,162	15,249	9,078	5,712	3,934	1,433	1,408,968
39	3,817	8,600	13,426	17,824	18,619	19,007	18,510	20,868	19,728	15,852	13,899	15,817	17,355	15,420	9,182	5,791	3,986	1,449	1,425,209
40	3,854	8,689	13,561	17,995	18,817	19,205	18,681	21,078	19,931	16,011	14,030	15,976	17,529	15,575	9,286	5,860	4,030	1,462	1,439,657
41	3,896	8,790	13,717	18,191	19,040	19,428	18,882	21,317	20,160	16,196	14,188	16,157	17,728	15,752	9,398	5,930	4,073	1,477	1,456,139
42	3,928	8,864	13,836	18,335	19,212	19,597	19,025	21,494	20,333	16,332	14,298	16,297	17,876	15,889	9,490	5,994	4,113	1,488	1,468,525
43	3,959	8,945	13,959	18,490	19,392	19,780	19,182	21,684	20,517	16,481	14,422	16,437	18,034	16,028	9,580	6,056	4,150	1,499	1,481,729
44	4,005	9,056	14,123	18,706	19,631	20,022	19,398	21,942	20,764	16,675	14,582	16,632	18,248	16,219	9,702	6,143	4,209	1,517	1,499,485
45	4,057	9,177	14,302	18,938	19,892	20,283	19,629	22,218	21,031	16,885	14,754	16,842	18,472	16,426	9,836	6,248	4,277	1,538	1,518,700
46	4,097	9,261	14,429	19,097	20,079	20,461	19,783	22,408	21,217	17,026	14,868	16,994	18,627	16,575	9,938	6,330	4,329	1,553	1,532,062
47	4,141	9,364	14,597	19,308	20,316	20,700	20,000	22,664	21,462	17,222	15,034	17,192	18,842	16,767	10,060	6,405	4,378	1,569	1,549,649
48	4,174	9,444	14,711	19,459	20,483	20,867	20,150	22,844	21,635	17,355	15,143	17,328	18,989	16,901	10,147	6,471	4,423	1,583	1,562,037
49	4,219	9,554	14,919	19,723	20,765	21,164	20,426	23,155	21,928	17,600	15,356	17,568	19,258	17,139	10,282	6,554	4,474	1,598	1,583,516
50	4,256	9,646	15,068	19,903	20,980	21,379	20,610	23,381	22,146	17,775	15,502	17,742	19,449	17,308	10,394	6,621	4,514	1,610	1,599,108

Table 2C.9. (continued)

e. Saturday closures

Lower Length Limit (in)	Closed Sat totals																		Projected removals (O80 upper limit)
	September	September	August	August	August	August	July	July	July	July	July	June	June	June	June	May	May	May	
	11	4	28	21	14	7	31	24	17	10	3	26	19	12	5	29	22	15	
24	2,474	5,567	8,930	11,511	12,856	10,543	15,341	15,006	14,490	10,967	8,639	10,678	12,788	10,449	6,021	4,812	3,117	1,945	1,113,398
25	2,542	5,719	9,188	11,826	13,218	10,859	15,746	15,397	14,871	11,302	8,861	11,004	13,142	10,756	6,193	4,977	3,231	2,007	1,143,539
26	2,585	5,817	9,397	12,086	13,542	11,116	16,098	15,736	15,225	11,584	9,065	11,280	13,438	11,020	6,315	5,089	3,308	2,046	1,168,663
27	2,627	5,912	9,534	12,262	13,740	11,279	16,330	15,960	15,442	11,760	9,193	11,445	13,634	11,177	6,400	5,173	3,366	2,079	1,185,359
28	2,667	6,006	9,752	12,540	14,080	11,543	16,705	16,326	15,821	12,049	9,417	11,735	13,952	11,460	6,537	5,278	3,434	2,116	1,212,436
29	2,709	6,097	9,905	12,730	14,306	11,728	16,967	16,578	16,074	12,243	9,561	11,920	14,163	11,638	6,631	5,364	3,492	2,149	1,230,961
30	2,764	6,222	10,117	12,997	14,617	11,984	17,320	16,919	16,413	12,520	9,759	12,186	14,463	11,891	6,763	5,489	3,578	2,196	1,256,496
31	2,810	6,323	10,278	13,195	14,843	12,182	17,585	17,175	16,660	12,722	9,903	12,379	14,683	12,074	6,867	5,584	3,643	2,234	1,275,627
32	2,858	6,432	10,474	13,441	15,124	12,419	17,905	17,489	16,965	12,971	10,086	12,626	14,960	12,311	7,001	5,694	3,715	2,275	1,299,381
33	2,893	6,509	10,606	13,604	15,318	12,583	18,132	17,709	17,182	13,139	10,213	12,784	15,143	12,462	7,081	5,762	3,761	2,301	1,315,338
34	2,937	6,606	10,762	13,800	15,540	12,770	18,389	17,958	17,424	13,336	10,356	12,975	15,363	12,645	7,184	5,856	3,824	2,338	1,334,164
35	2,968	6,674	10,888	13,953	15,719	12,926	18,595	18,159	17,620	13,495	10,470	13,130	15,534	12,794	7,267	5,925	3,870	2,364	1,349,126
36	3,027	6,804	11,089	14,197	15,996	13,174	18,922	18,475	17,923	13,743	10,644	13,367	15,804	13,015	7,399	6,047	3,953	2,412	1,372,788
37	3,063	6,883	11,214	14,347	16,163	13,333	19,120	18,669	18,102	13,899	10,752	13,515	15,972	13,155	7,485	6,120	4,002	2,440	1,387,381
38	3,109	6,984	11,395	14,567	16,417	13,559	19,418	18,961	18,380	14,123	10,920	13,733	16,220	13,363	7,605	6,213	4,063	2,476	1,408,968
39	3,148	7,071	11,533	14,734	16,608	13,730	19,642	19,178	18,588	14,295	11,041	13,897	16,406	13,518	7,696	6,296	4,120	2,508	1,425,209
40	3,182	7,142	11,659	14,879	16,774	13,890	19,838	19,370	18,769	14,444	11,144	14,044	16,566	13,656	7,785	6,367	4,167	2,535	1,439,657
41	3,219	7,223	11,800	15,045	16,962	14,071	20,063	19,593	18,974	14,614	11,269	14,208	16,753	13,811	7,883	6,439	4,213	2,563	1,456,139
42	3,247	7,283	11,910	15,171	17,103	14,210	20,226	19,753	19,122	14,744	11,355	14,340	16,892	13,935	7,965	6,505	4,256	2,588	1,468,525
43	3,278	7,349	12,027	15,303	17,256	14,366	20,408	19,932	19,287	14,886	11,453	14,476	17,041	14,061	8,044	6,567	4,297	2,611	1,481,729
44	3,320	7,439	12,179	15,484	17,463	14,549	20,649	20,166	19,514	15,069	11,580	14,656	17,241	14,232	8,149	6,660	4,359	2,647	1,499,485
45	3,369	7,547	12,345	15,683	17,682	14,753	20,905	20,414	19,746	15,271	11,713	14,854	17,460	14,418	8,268	6,768	4,432	2,689	1,518,700
46	3,405	7,625	12,461	15,824	17,828	14,888	21,074	20,579	19,897	15,407	11,798	14,993	17,613	14,550	8,361	6,852	4,488	2,723	1,532,062
47	3,441	7,704	12,610	16,001	18,034	15,073	21,313	20,814	20,123	15,587	11,930	15,172	17,811	14,722	8,465	6,932	4,539	2,753	1,549,649
48	3,473	7,772	12,715	16,129	18,176	15,198	21,479	20,973	20,278	15,713	12,014	15,297	17,950	14,841	8,540	7,002	4,586	2,781	1,562,037
49	3,509	7,852	12,896	16,347	18,440	15,427	21,775	21,264	20,567	15,945	12,187	15,528	18,199	15,063	8,658	7,089	4,642	2,811	1,583,516
50	3,541	7,920	13,034	16,501	18,620	15,609	21,987	21,474	20,762	16,108	12,303	15,689	18,372	15,215	8,756	7,157	4,685	2,836	1,599,108

Table 2C.9. (continued)

f. Sunday closures

Lower Length Limit (in)	Closed Sun totals																		Projected removals (O80 upper limit)
	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	
24	2,423	4,754	7,569	12,210	12,690	9,523	13,989	14,851	14,214	13,435	9,152	11,806	11,417	10,871	4,886	5,502	2,851	2,550	1,113,398
25	2,481	4,876	7,774	12,546	13,041	9,755	14,404	15,243	14,590	13,790	9,381	12,127	11,734	11,159	5,003	5,663	2,943	2,624	1,143,539
26	2,519	4,956	7,938	12,847	13,348	9,964	14,759	15,582	14,925	14,099	9,591	12,410	12,000	11,399	5,090	5,779	3,010	2,672	1,168,663
27	2,557	5,036	8,062	13,040	13,540	10,105	14,985	15,817	15,139	14,305	9,733	12,594	12,183	11,563	5,153	5,870	3,058	2,712	1,185,359
28	2,593	5,114	8,233	13,357	13,866	10,328	15,348	16,172	15,505	14,637	9,955	12,892	12,465	11,822	5,262	5,987	3,123	2,760	1,212,436
29	2,634	5,191	8,356	13,567	14,087	10,492	15,595	16,425	15,740	14,861	10,112	13,096	12,652	12,002	5,332	6,078	3,173	2,801	1,230,961
30	2,684	5,295	8,534	13,862	14,386	10,703	15,944	16,772	16,070	15,172	10,322	13,376	12,926	12,249	5,428	6,209	3,245	2,859	1,256,496
31	2,727	5,381	8,666	14,073	14,608	10,866	16,198	17,029	16,305	15,400	10,478	13,580	13,121	12,433	5,503	6,307	3,299	2,905	1,275,627
32	2,770	5,471	8,824	14,335	14,882	11,055	16,509	17,335	16,608	15,682	10,663	13,829	13,365	12,661	5,604	6,424	3,362	2,957	1,299,381
33	2,805	5,538	8,932	14,516	15,070	11,200	16,721	17,555	16,809	15,876	10,801	14,002	13,525	12,814	5,665	6,499	3,402	2,990	1,315,338
34	2,844	5,619	9,063	14,727	15,287	11,354	16,971	17,806	17,048	16,102	10,951	14,204	13,724	12,996	5,741	6,598	3,456	3,036	1,334,164
35	2,873	5,677	9,158	14,889	15,463	11,480	17,167	17,999	17,233	16,277	11,069	14,360	13,870	13,139	5,803	6,669	3,495	3,069	1,349,126
36	2,931	5,788	9,319	15,145	15,736	11,684	17,479	18,315	17,517	16,555	11,259	14,609	14,104	13,367	5,897	6,793	3,563	3,128	1,372,788
37	2,964	5,854	9,419	15,299	15,901	11,805	17,670	18,504	17,689	16,724	11,373	14,756	14,248	13,504	5,957	6,868	3,603	3,163	1,387,381
38	3,008	5,942	9,562	15,532	16,151	11,991	17,949	18,786	17,954	16,979	11,546	14,978	14,459	13,708	6,049	6,969	3,657	3,209	1,408,968
39	3,046	6,015	9,672	15,707	16,338	12,130	18,164	19,001	18,150	17,169	11,675	15,148	14,620	13,863	6,113	7,053	3,704	3,249	1,425,209
40	3,080	6,076	9,758	15,851	16,506	12,253	18,345	19,178	18,314	17,330	11,781	15,290	14,746	14,000	6,177	7,123	3,743	3,284	1,439,657
41	3,117	6,148	9,866	16,019	16,693	12,398	18,553	19,388	18,505	17,518	11,910	15,451	14,897	14,153	6,251	7,200	3,784	3,320	1,456,139
42	3,143	6,198	9,938	16,139	16,835	12,495	18,709	19,534	18,644	17,654	11,994	15,570	15,006	14,269	6,308	7,261	3,820	3,352	1,468,525
43	3,174	6,255	10,022	16,272	16,988	12,612	18,881	19,700	18,791	17,801	12,095	15,697	15,122	14,390	6,363	7,322	3,854	3,381	1,481,729
44	3,215	6,331	10,132	16,457	17,195	12,761	19,108	19,925	19,003	18,005	12,229	15,882	15,290	14,562	6,438	7,413	3,906	3,428	1,499,485
45	3,261	6,419	10,259	16,655	17,413	12,913	19,358	20,168	19,228	18,224	12,368	16,076	15,478	14,747	6,521	7,518	3,965	3,480	1,518,700
46	3,293	6,480	10,343	16,785	17,561	13,007	19,525	20,326	19,383	18,371	12,454	16,208	15,608	14,878	6,585	7,597	4,011	3,523	1,532,062
47	3,330	6,548	10,449	16,967	17,765	13,157	19,746	20,545	19,593	18,573	12,587	16,385	15,769	15,045	6,663	7,678	4,056	3,563	1,549,649
48	3,360	6,604	10,527	17,095	17,908	13,256	19,904	20,702	19,741	18,715	12,678	16,515	15,889	15,167	6,717	7,746	4,095	3,599	1,562,037
49	3,393	6,671	10,659	17,332	18,164	13,436	20,189	20,974	20,012	18,968	12,846	16,738	16,096	15,367	6,805	7,838	4,147	3,638	1,583,516
50	3,427	6,732	10,749	17,483	18,345	13,572	20,384	21,162	20,185	19,139	12,961	16,885	16,224	15,509	6,876	7,905	4,185	3,671	1,599,108

Analysis of Management Options for the Area 3A Charter Halibut Fisheries for 2027

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 - 2026. Preliminary estimates for 2026 (in italics) are based on logbook data for charter trips as of October 23, 2026.

	Subarea								
Year	GlacB-3A	Yak	EPWS	WPWS	NGulf	CCI	LCI	Kod	Tot 3A
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	1,136	3,106	4,052	5,222	27,321	12,136	41,180	10,614	104,767
2025	831	2,889	3,737	4,642	24,159	11,913	38,428	11,064	98,034
2026	*1,168*	*3,162*	*4,100*	*4,650*	*24,789*	*10,439*	*40,208*	*11,312*	*99,590*
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	0.619	0.913	1.312	1.187	1.270	1.864	1.826	1.314	1.542
2025	0.628	1.019	1.562	1.079	1.337	1.792	1.730	1.132	1.499
2026	*0.592*	*0.918*	*1.312*	*0.907*	*1.176*	*1.810*	*1.774*	*1.175*	*1.465*
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	703	2,835	5,315	6,201	34,704	22,617	75,190	13,947	161,512
2025	522	2,945	5,837	5,009	32,291	21,344	66,463	12,525	146,936
2026	*691*	*2,904*	*5,379*	*4,218*	*29,162*	*18,890*	*71,319*	*13,288*	*145,851*

*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 2027 under status quo regulations, with associated standard errors. **Status quo regulations include a two-fish bag limit with a maximum size limit of 27 inches on one of the fish, no retention of halibut on 13 Tuesdays, June 2 – August 25 and Wednesdays closed all season, CHP trip limits, and vessel trip limits.**

Subarea	Effort (angler-days)*	HPUE	Lower CI	Upper CI	Harvest (no. halibut)	Harvest Lower CI	Harvest Upper CI
CCI	10,439	1.810	1.585	2.036	18,899	16,548	21,250
EPWS	4,086	1.335	1.064	1.606	5,454	4,346	6,561
GlacB	1,168	0.512	0.229	0.794	598	268	928
Yak	3,162	0.983	0.718	1.248	3,110	2,271	3,948
LCI	40,208	1.801	1.654	1.948	72,427	66,508	78,345
NGulf	24,789	1.183	0.989	1.378	29,335	24,510	34,161
Kod	11,312	1.194	0.968	1.419	13,502	10,947	16,057
WPWS	4,426	0.997	0.710	1.283	4,411	3,142	5,680
Area 3A	99,590	1.483	1.397	1.570	147,735	139,132	156,338

Table 3A.13. 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 removals	Projected Harvest (no. fish)	Projected Removals (Mlb) (Size limit of 2nd fish is 27")
0	NA	0.0%	171,862	1.625
1	July 6	-1.2%	169,693	1.605
2	July 6 - July 13	-2.8%	167,062	1.580
3	June 29 - July 13	-4.0%	164,800	1.559
4	June 29 - July 20	-5.5%	162,209	1.535
5	June 22 - July 20	-6.5%	160,364	1.519
6	June 22 - July 27	-7.8%	158,020	1.498
7	June 15 - July 27	-8.7%	156,495	1.484
8	June 15 - Aug 3	-9.6%	154,953	1.469
9	June 8 - Aug 3	-10.5%	153,383	1.455
10	June 8 - Aug 10	-11.9%	150,896	1.432
11	June 1 - Aug 10	-12.5%	149,934	1.422
12	June 1 - Aug 17	-13.3%	148,517	1.408
13 (SQ)	June 1 - Aug 24	-13.8%	147,736	1.400
14	June 1 - Aug 31	-14.3%	146,945	1.392
All	Feb 01 - Dec 31	-15.7%	144,760	1.370

Table 3A.14. Area 3A projected harvest, change in harvest, and specified dates with **all Tuesdays closed combined with Thursday closures**.

Number of Closed Thursdays	Beginning and Ending Dates	Percentage change in removals	Projected Harvest (no. fish)	Projected Removals (Mlb) (Size limit of 2nd fish is 27")
Zero	NA	0.0%	144,760	1.370
1	July 8	-1.2%	143,055	1.354
2	July 8 - July 15	-3.0%	140,317	1.329
3	July 1 - July 15	-4.5%	138,045	1.308
4	July 1 - July 22	-6.0%	135,909	1.288
5	June 24 - July 22	-7.4%	133,829	1.268
6	June 24 - July 29	-9.3%	131,068	1.243
7	June 17 - July 29	-10.8%	128,886	1.223
8	June 17 - Aug 5	-11.4%	128,049	1.213
9	June 10 - Aug 5	-12.5%	126,472	1.199
10	June 10 - Aug 12	-14.1%	124,131	1.177
11	June 3 - Aug 12	-14.5%	123,507	1.171
12	June 3 - Aug 19	-15.8%	121,549	1.153
13	June 3 - Aug 26	-16.1%	121,364	1.150
14	June 3 - Sept 2	-16.7%	120,499	1.141
All	Feb 01 - Dec 31	-18.3%	118,283	1.120

Table 3A.15. Area 3A projected harvest (upper table) and removals (lower table) for 2027 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 for the most liberal combinations that do not exceed the 2026 allocation of 1.470 Mlb.

Projected Harvest (number of fish)

	Number of Closed Tuesdays															
	All	14	13 (SQ)	12	11	10	9	8	7	6	5	4	3	2	1	Zero
Harvest	144,760	146,945	147,736	148,517	149,934	150,896	153,383	154,953	156,495	158,020	160,364	162,209	164,800	167,062	169,693	171,862

Projected Charter Removals (Mlb)

	Number of Closed Tuesdays															
Size limit	All	14	13 (SQ)	12	11	10	9	8	7	6	5	4	3	2	1	Zero
26	1.345	1.367	1.375	1.383	1.397	1.406	1.428	1.443	1.457	1.471	1.491	1.508	1.531	1.552	1.576	1.596
27	1.370	1.392	1.400	1.408	1.422	1.432	1.455	1.469	1.484	1.498	1.519	1.535	1.559	1.580	1.605	1.625
28	1.409	1.432	1.441	1.449	1.463	1.473	1.496	1.511	1.526	1.541	1.562	1.580	1.605	1.626	1.651	1.672
29	1.434	1.457	1.466	1.474	1.489	1.498	1.522	1.537	1.553	1.567	1.589	1.607	1.632	1.654	1.680	1.701
30	1.468	1.492	1.501	1.509	1.524	1.534	1.559	1.574	1.590	1.605	1.628	1.646	1.672	1.694	1.720	1.742
31	1.491	1.515	1.524	1.533	1.548	1.558	1.583	1.599	1.615	1.630	1.653	1.672	1.698	1.720	1.747	1.769
32	1.522	1.546	1.555	1.564	1.580	1.590	1.616	1.632	1.648	1.664	1.687	1.706	1.733	1.756	1.783	1.805

Table 3A.16. Area 3A projected harvest (upper table) and removals (lower table) for 2027 under a range of maximum size limits on one fish in the bag limit with **all Tuesdays closed** and **Thursday 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 for the most liberal combinations that do not exceed the 2026 allocation of 1.470 Mlb.

Projected Harvest (number of fish)

	Number of Closed Thursdays															
	All	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Zero
Harvest	118,283	120,499	121,364	121,549	123,507	124,131	126,472	128,049	128,886	131,068	133,829	135,909	138,045	140,317	143,055	144,760

Projected Charter Removals (Mlb)

	Number of Closed Thursdays															
Size limit	All	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Zero
26	1.099	1.120	1.129	1.132	1.150	1.156	1.177	1.192	1.201	1.221	1.245	1.264	1.284	1.305	1.330	1.345
27	1.120	1.141	1.150	1.153	1.171	1.177	1.199	1.213	1.223	1.243	1.268	1.288	1.308	1.329	1.354	1.370
28	1.152	1.174	1.183	1.186	1.205	1.211	1.233	1.248	1.258	1.278	1.305	1.325	1.346	1.367	1.393	1.409
29	1.172	1.194	1.203	1.206	1.226	1.232	1.254	1.270	1.279	1.300	1.327	1.347	1.369	1.390	1.417	1.434
30	1.200	1.223	1.232	1.235	1.255	1.261	1.285	1.300	1.310	1.332	1.359	1.380	1.401	1.424	1.451	1.468
31	1.219	1.242	1.252	1.255	1.275	1.281	1.305	1.321	1.331	1.352	1.380	1.401	1.423	1.446	1.474	1.491
32	1.243	1.267	1.277	1.280	1.301	1.307	1.331	1.347	1.358	1.380	1.408	1.430	1.453	1.476	1.504	1.522

Table 3A.17. Area 3A projected harvest, change in harvest, and specified dates for a **one-fish limit** with **status quo** (grey) management measures **combined with Tuesday closures**.

Number of Closed Tuesdays	Beginning and Ending Dates	Percentage change in removals	Projected Harvest (no. fish)	Projected Removals (Mlb) (One-fish limit)
zero	NA	0.0%	99,910	1.472
1	July 6	-1.2%	98,664	1.454
2	July 6 - July 13	-2.7%	97,147	1.432
3	June 29 - July 13	-4.0%	95,838	1.413
4	June 29 - July 20	-5.5%	94,339	1.391
5	June 22 - July 20	-6.5%	93,278	1.376
6	June 22 - July 27	-7.8%	91,939	1.357
7	June 15 - July 27	-8.7%	91,057	1.345
8	June 15 - Aug 3	-9.5%	90,198	1.333
9	June 8 - Aug 3	-10.4%	89,296	1.320
10	June 8 - Aug 10	-11.8%	87,869	1.299
11	June 1 - Aug 10	-12.3%	87,310	1.291
12	June 1 - Aug 17	-13.2%	86,480	1.278
13 (SQ)	June 1 - Aug 24	-13.7%	86,026	1.271
14	June 1 - Aug 31	-14.2%	85,558	1.264
All	Feb 01 - Dec 31	-15.5%	84,270	1.244

Table 3A.18. Area 3A projected harvest, change in harvest, and specified dates for a **one-fish limit** with **all Tuesdays closed combined with Thursday closures**.

Number of Closed Thursdays	Beginning and Ending Dates	Percentage change in removals	Projected Harvest (no. fish)	Projected Removals (Mlb) (One-fish limit)
Zero	NA	0.0%	84,270	1.244
1	July 8	-1.0%	83,327	1.231
2	July 8 - July 15	-2.9%	81,744	1.208
3	July 1 - July 15	-4.4%	80,451	1.189
4	July 1 - July 22	-5.9%	79,194	1.170
5	June 24 - July 22	-7.3%	78,001	1.153
6	June 24 - July 29	-9.1%	76,412	1.130
7	June 17 - July 29	-10.6%	75,154	1.112
8	June 17 - Aug 5	-11.2%	74,646	1.104
9	June 10 - Aug 5	-12.3%	73,739	1.091
10	June 10 - Aug 12	-13.9%	72,378	1.071
11	June 3 - Aug 12	-14.4%	71,982	1.065
12	June 3 - Aug 19	-15.8%	70,829	1.048
13	June 3 - Aug 26	-16.0%	70,697	1.045
14	June 3 - Sept 2	-16.7%	70,166	1.036
All	Feb 01 - Dec 31	-18.2%	68,902	1.018

Table 3A.19. Projected charter removals (Mlb, includes release mortality) for Area 3A in 2027 for a **one-fish limit** under **reverse slot limits** ranging from U30O50 to U60O80 and status quo day closures (i.e., Wednesdays closed all season and 13 Tuesdays closed). All values in the table include corrections for errors in estimation of average weight and inflation factors for release mortality. The last column is the release mortality estimate (Mlb) for the UXO80 removal estimates. All combinations are under the 2026 allocation of 1.470 Mlb.

One-fish harvest = 86,026 halibut

Lower Length Limit (in)	Upper Length Limit (in)											Amount of discard mortality at uXo80
	60	62	64	66	68	70	72	74	76	78	80	
30	0.825	0.814	0.799	0.791	0.784	0.781	0.777	0.775	0.774	0.771	0.770	0.034
31	0.868	0.856	0.842	0.833	0.826	0.823	0.820	0.817	0.817	0.814	0.813	0.036
32	0.923	0.912	0.898	0.889	0.883	0.879	0.876	0.874	0.873	0.870	0.869	0.038
33	0.956	0.945	0.930	0.922	0.915	0.912	0.908	0.906	0.905	0.903	0.901	0.040
34	0.990	0.979	0.965	0.957	0.950	0.947	0.943	0.941	0.940	0.937	0.936	0.041
35	1.016	1.005	0.991	0.982	0.976	0.973	0.969	0.967	0.966	0.963	0.962	0.042
36	1.049	1.038	1.024	1.016	1.009	1.006	1.003	1.000	1.000	0.997	0.995	0.044
37	1.066	1.055	1.041	1.033	1.026	1.023	1.019	1.017	1.016	1.014	1.012	0.044
38	1.087	1.076	1.062	1.054	1.048	1.044	1.041	1.039	1.038	1.035	1.034	0.045
39	1.105	1.095	1.081	1.072	1.066	1.063	1.059	1.057	1.056	1.053	1.052	0.046
40	1.117	1.106	1.092	1.084	1.078	1.075	1.071	1.069	1.068	1.065	1.064	0.047
41	1.129	1.118	1.104	1.096	1.089	1.086	1.083	1.080	1.080	1.077	1.076	0.047
42	1.138	1.127	1.113	1.105	1.098	1.095	1.092	1.090	1.089	1.086	1.085	0.048
43	1.152	1.142	1.128	1.120	1.113	1.110	1.107	1.104	1.104	1.101	1.100	0.048
44	1.159	1.149	1.135	1.127	1.120	1.117	1.114	1.111	1.111	1.108	1.107	0.049
45	1.168	1.158	1.144	1.136	1.130	1.127	1.123	1.121	1.120	1.118	1.116	0.049
46	1.174	1.164	1.150	1.142	1.136	1.133	1.129	1.127	1.126	1.123	1.122	0.049
47	1.186	1.176	1.162	1.154	1.148	1.145	1.141	1.139	1.138	1.136	1.135	0.050
48	1.193	1.183	1.169	1.161	1.155	1.151	1.148	1.146	1.145	1.142	1.141	0.050
49	1.205	1.195	1.182	1.174	1.167	1.164	1.161	1.158	1.158	1.155	1.154	0.051
50	1.216	1.206	1.192	1.184	1.178	1.175	1.171	1.169	1.169	1.166	1.165	0.051

Figures

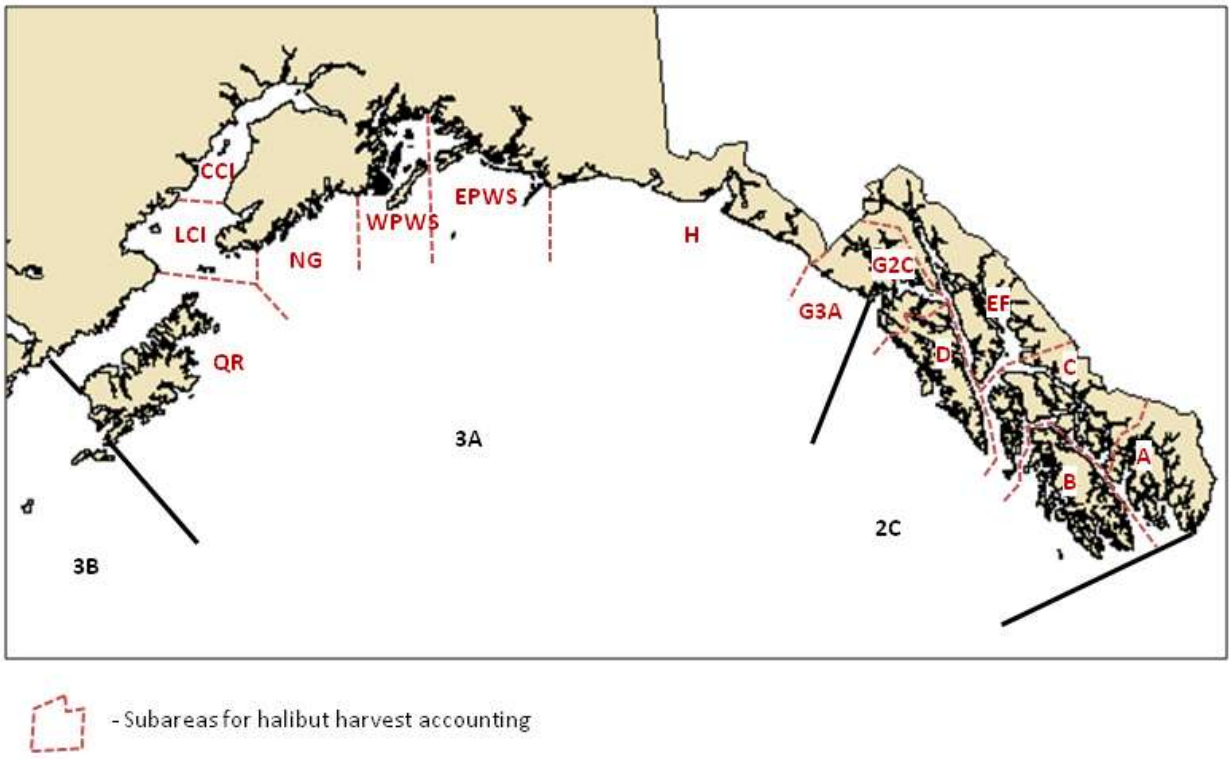


Figure 1. Subareas of IPHC Areas 2C and 3A used for analysis and reporting. A – Ketchikan; B - Prince of Wales (Craig, Klawock); C - Petersburg, Wrangell; D – Sitka; EF - Juneau, Haines, Skagway; G2C - Glacier Bay, Elfin Cove (2C areas); G3A - Glacier Bay, Elfin Cove (3A Areas); H – Yakutat; EPWS - Eastern Prince William Sound (Valdez, Cordova); WPWS - Western Prince William Sound (Whittier); NG - North Gulf (Seward); CCI - Central Cook Inlet (Deep Creek, Anchor Point); LCI - Lower Cook Inlet (Homer); QR – Kodiak.

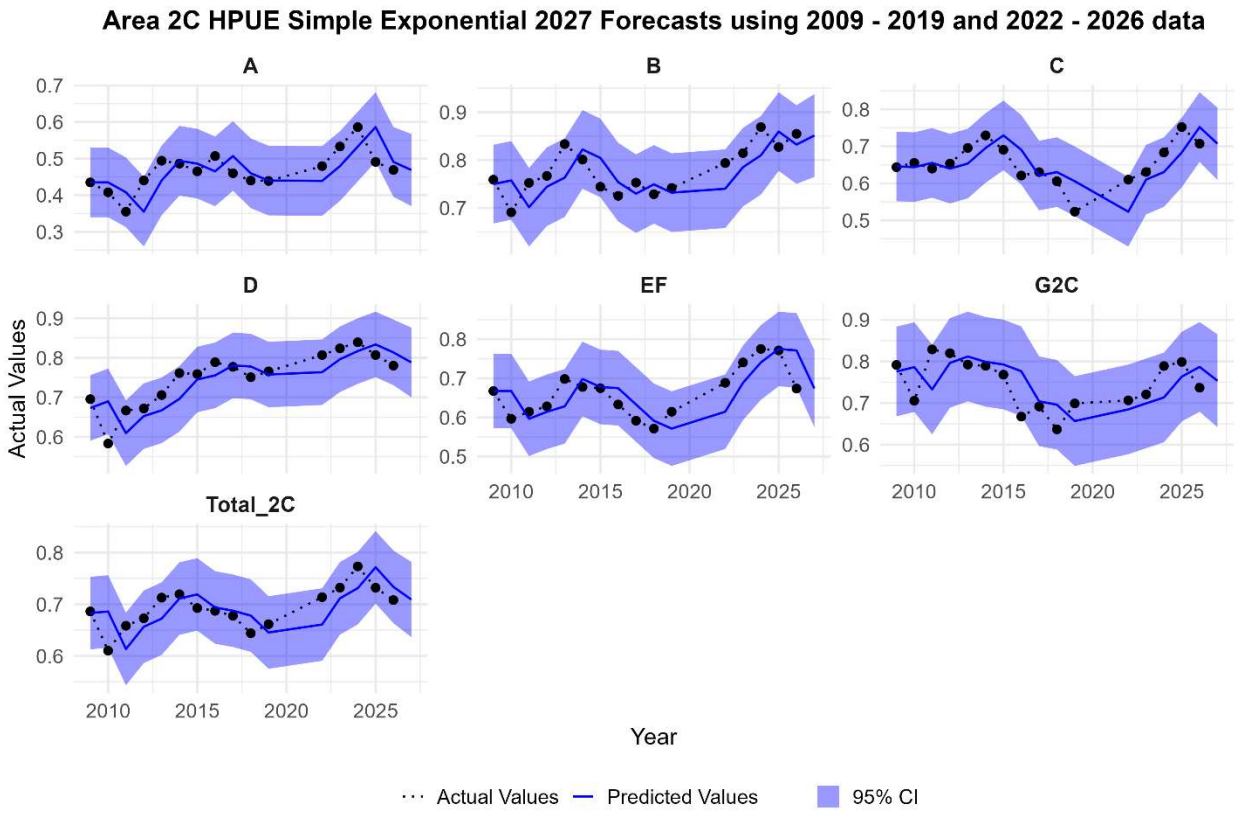


Figure 2. Time series of charter HPUE by subarea of Area 2C, with predicted values and 2027 simple exponential forecasts of HPUE. Shaded bands indicate 95% confidence intervals for the forecasts. (Source: ADF&G charter logbook).

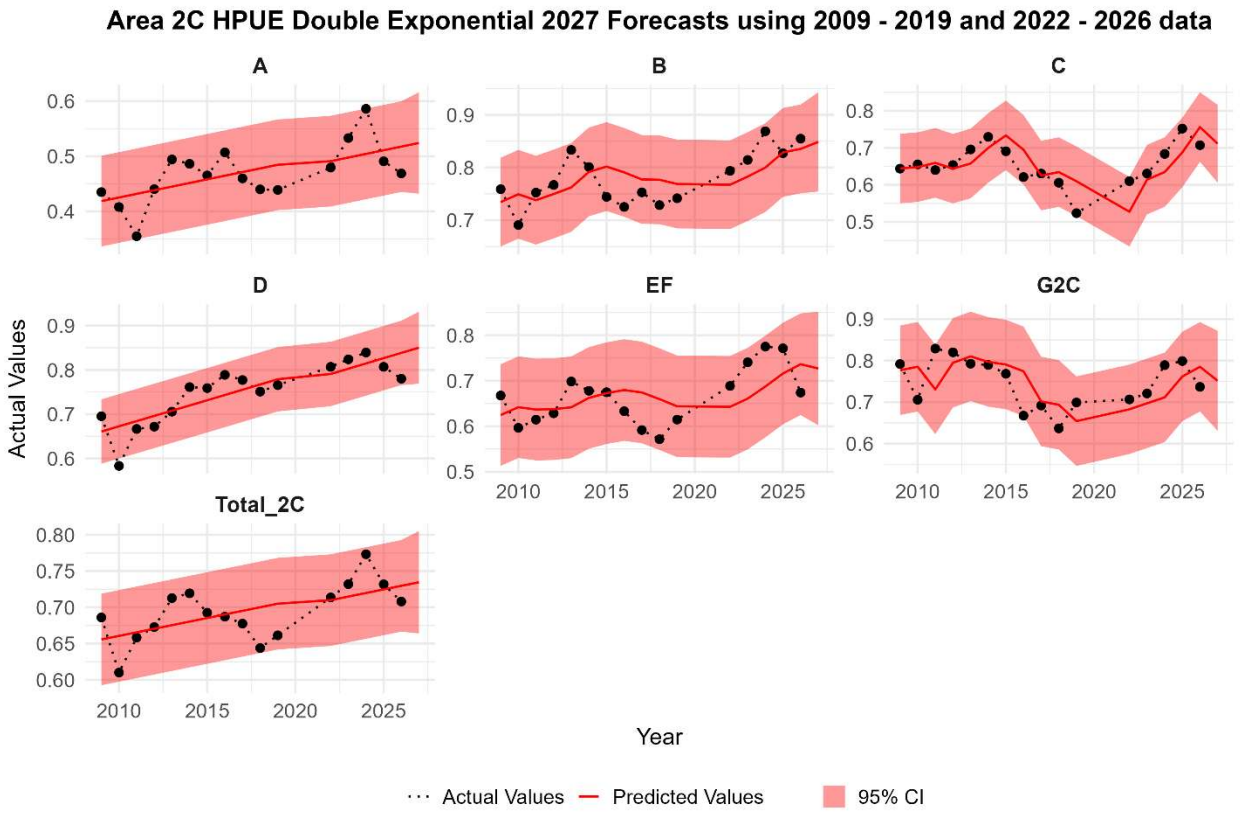


Figure 3. Time series of charter HPUE by subarea of Area 2C, with predicted values and 2027 double exponential forecasts of HPUE. Shaded bands indicate 95% confidence intervals for the forecasts. (Source: ADF&G charter logbook).

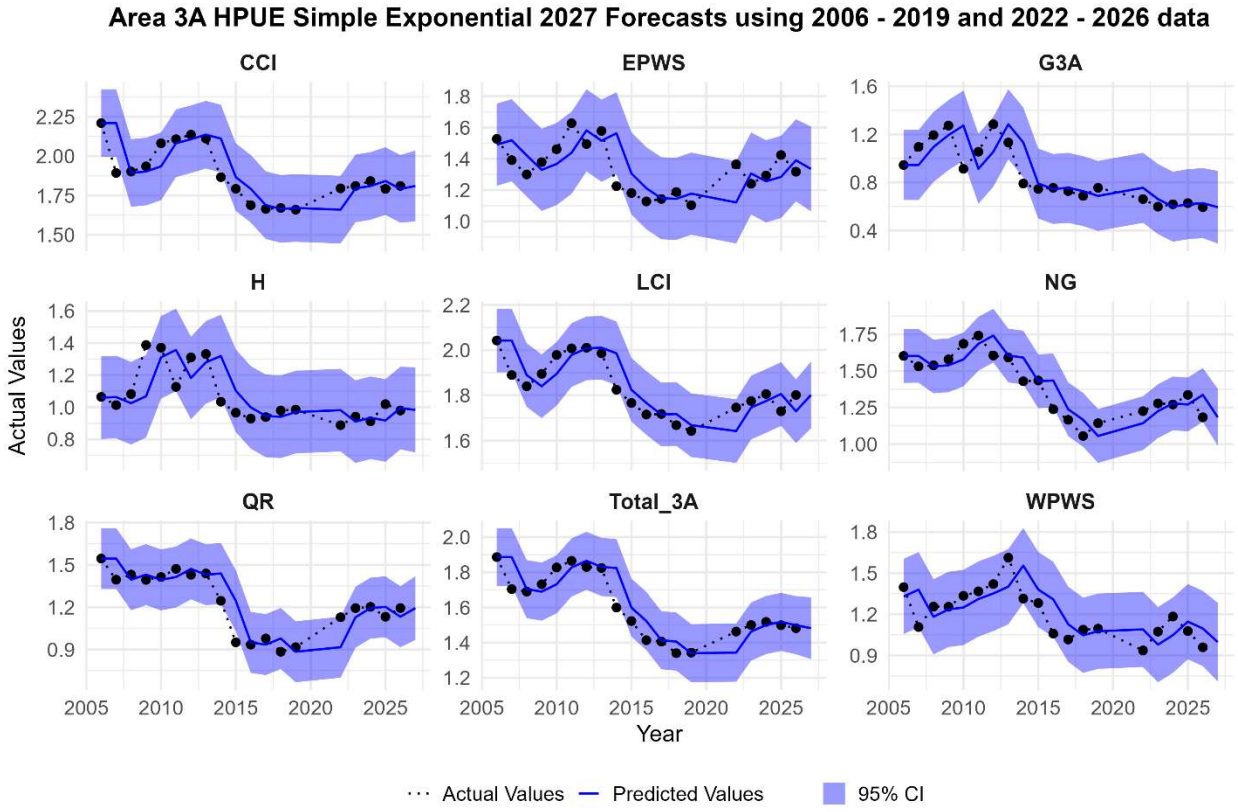


Figure 4. Time series of charter HPUE by subarea of Area 3A, with predicted values and 2027 simple exponential forecasts of HPUE. Shaded bands indicate 95% confidence intervals for the forecasts. (Source: ADF&G charter logbook).

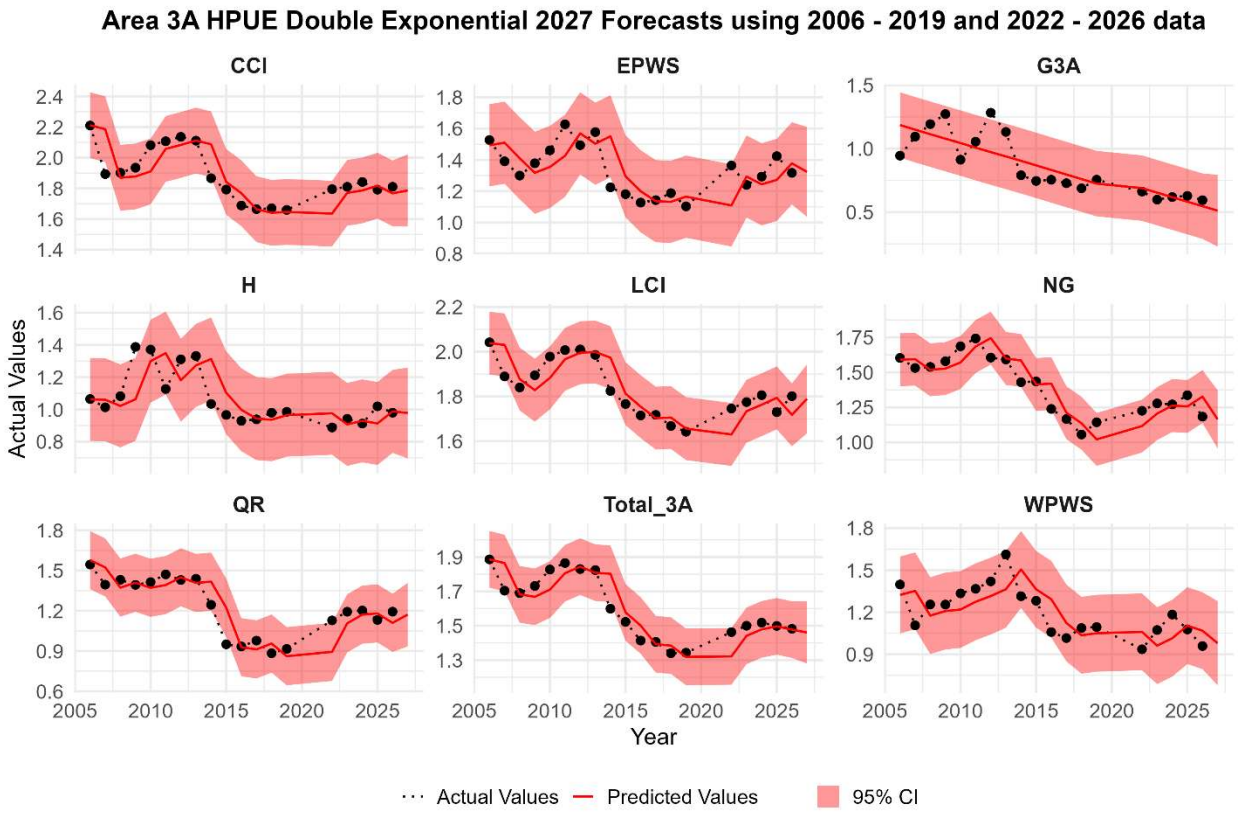


Figure 5. Time series of charter HPUE by subarea of Area 3A, with predicted values and 2027 double exponential forecasts of HPUE. Shaded bands indicate 95% confidence intervals for the forecasts. (Source: ADF&G charter logbook).