Annual Report for the 2024 Port Moller Test Fishery

	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)												Mean Daily Catch Index Avg. Indices Across Stations
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	(Stns 2-22)
10-Jun	3	2	0	11	14	0	0	0					3
11-Jun	0	0	14	0	0	2	0	0	2	2	0		2
12-Jun	3	3	5	0	10	3	0	0	0	0	0	3	2
13-Jun	3	0	0	0	3	0	4	0	2	0	3	0	1
14-Jun	0	0	8	8	0	22	0	0	3	0	0	0	4
15-Jun	0	0	0	29	6	7	0	2	0	15	0	0	5
16-Jun		0	0	29	8	28	2	3	7	0	5	0	8
17-Jun		0	56	22	101	0	2	4	11	13	0	2	19
18-Jun	0	0	42	75	105	22	2	2	4	10	2	2	24
19-Jun	0	36	25	0	4	54	39	0	75	92	4	4	30
20-Jun	0	0	136	88	114	43	88	5	0	41	2	0	47
21-Jun		23	56	68	114	150	33	2	0	35	11	7	45
22-Jun		58	73	54	105	21	0	2	6	41	8	0	34
23-Jun	0	14	62	39	55	23	45	42	34	54	14	0	35
24-Jun	0	85	130	26	116	5	32	18	30	21	28	2	45
25-Jun	0	3	132	95	306	73	0	9	108				71
26-Jun			219										58
27-Jun		0	203	135	74	5	12	7	21				47
28-Jun	0	7	90	82	89	2	47	28	14	95	50	0	46
29-Jun	5	43	4	302	114	25	29	2	8	11	0	27	49
30-Jun	0	2	3	21	99	35	21	0	0	27	2	39	19
1-Jul		93	124	88	156	46	7	2	0	23	12	104	50
2-Jul	0	8	69	297	243	50	3	3	7	6	4	5	63
3-Jul	0	0	73	64	188	45	27	111	18	29	15	0	52
4-Jul	2	114	158	140	359	21	36	33	21	64	27	17	89
5-Jul		14	85	43	202	47	176	37	56	112	20	7	72
6-Jul	0	0	13	28	79	72	16	8	8	62	69	6	32
7-Jul	2	2	9	64	46	2	12	2	33	14	2	12	17
8-Jul	0	31	18	155	60	32	15	0	36	38	0	0	35
9-Jul	0	58	54	46	111	0	28	60	110	43	7	26	47
10-Jul	19	5	30	76	0	2	26	46	41	2	0	9	22
11-Jul	2		24	31	9	2	6	32	0	5	4	6	12

April 2025

Annual Report for the 2024 Port Moller Test Fishery

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Executive Summary

In 2024, the Port Moller Test Fishery (PMTF) operated from June 10 to July 11 using two research vessels—the *R/V Ocean Cat* and the *R/V Miss Leona*. A total of 5,991 Sockeye were caught across 356 sets, primarily distributed across Stations 2–24, with two additional sets conducted at Station 26. Notably, more sets were made at the even-numbered standard stations than in any other year in the program's history. Station and daily coverage during the 2024 season was comparable to that of 2022 and 2023. No days were missed entirely; however, rough weather on June 26 limited fishing to only Station 6. Nearly the entire transect was sampled on all other days.

The PMTF email distribution list grew to 1,300 subscribers by the end of the season, marking a 6% increase over 2023. SMS updates remained a highly valued service among fishermen. All daily catch updates were successfully disseminated on the same day the data were collected. Timeliness of stock composition estimates continues to be a key performance metric for the PMTF program. In 2024, the median turnaround time between sample collection and release to the distribution list was just one day, with a maximum lag of two days. This turnaround time was two days faster than the average observed since 2010.

On June 20 and June 24, the average weight of Sockeye passing the test fishing transect was estimated at 4.6 and 4.5 pounds, respectively. These estimates aligned well with the 4.5-pound average reported by ADF&G for the inshore catch in their season summary. Similarly, PMTF estimates of age and stock composition closely reflected those observed in the inshore run.

The total 2024 run reached 51.6 million Sockeye, with 50% of cumulative catch and escapement (C+E) achieved by July 6—making the run two days later than the reference "average" date of July 4. Over the previous nine years (2015–2023), run timing has averaged 3.6 days late (range: 1–6 days). Early in the 2024 run, C+E was dominated by the Nushagak-Wood District, which maintained strong performance throughout the season. A noticeable increase in Kvichak District C+E began on July 3. As in 2023, multiple peaks in C+E occurred throughout July, largely driven by the Kvichak District.

Since 2020, the Daily Index has not reliably indicated the seasonal entry pattern for C+E (Figure 9). As a result, proximate daily C+E forecasts were not published in 2024. We suspect that the actual passage rate on June 26 was significantly higher than estimated. While Catch Update #18 acknowledged a likely increase in passage between June 25–27, the magnitude may have been underestimated. If our interpolation of the Daily Catch Index for June 26 was substantially off, the resulting Daily Index pattern would have been significantly skewed.

Recommendations for 2025 Project Scope

- **Continue Using Two Vessels to Cover Stations 2–24**
  The use of two vessels greatly increases the likelihood of sampling the entire transect daily. Although no consistent mode of fish was observed beyond Station 12 in 2023 and 2024, this conclusion would not have been possible without full transect sampling. Comprehensive sampling also enables the evaluation of other factors that could contribute to forecast discrepancies. Moreover, operating two vessels provides flexibility to extend the sampling period beyond July 10, should vessel availability allow.
- **Moor Farallon Smart Buoys at Each Station for the Entire Season**
  In 2023, inconsistencies in sea surface temperature (SST) readings revealed a need for more accurate and precise temperature monitoring. In 2024, we deployed Farallon Smart Buoys (Blue Ocean Gear, Inc.), which recorded SST every few minutes at both the surface and net depth. These buoys now also measure wave height, eliminating the need for subjective visual sea state estimates. We recommend mooring a buoy at every station for the entirety of the season to provide constant readings of sea surface temperature and wave height. Real-time data, available every five minutes, will improve our understanding of environmental variability and help captains assess station fishability without unnecessary travel in poor conditions.
- **Continue Measuring Water Temperature at Net Depth for Each Set**
  HOBO data loggers attached to the bottom of the test fishing nets will provide valuable data on water temperature at 11 meters deep. Combined with Smart Buoy surface readings, these measurements support analysis of thermocline development throughout the season.

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Introduction

The Port Moller Test Fishery (PMTF) has been conducted since 1967 with drift gillnets set at fixed stations offshore from Port Moller, Alaska (Figure 1; Randall 1977; Eggers and Fried 1984). Historically, the primary goal has been to predict the run strength of Sockeye Salmon (*Oncorhynchus nerka*) traveling past Port Moller approximately one week prior to their arrival in the various terminal commercial fishing districts of Bristol Bay. The PMTF typically operates from around June 10 through July 10 each year, although the end date has been extended starting in 2019.

Results from the PMTF give Bristol Bay processors, fishermen, and the Alaska Department of Fish and Game (ADF&G) time to respond to suspected departures from the preseason forecasts. Though the data from the PMTF is not the primary basis of decision making upon which the individual district fisheries are prosecuted, managers use it for an indication of overall and stock-specific run strength (composed of inshore commercial catch and escapement or "C+E"). In addition, this information is used by fishermen when deciding which districts to fish and helps processors anticipate where among Bristol Bay fishing districts to assign their tendering capacity.

This annual report describes the project's objectives, how the test fishery works, results from 2024 including insights that affect the performance of the test fishery, and recommendations for the study design and data collection in the upcoming season. The report stems from our ongoing goal of adaptive management of the research protocols for the PMTF to improve the utility of the project. In these annual reports, we "show our work" for our technical peers, the fishermen and companies in the fishing industry who fund the project and use the data for their business decisions, and our future selves as we continue to learn. As such, the report attempts to provide information for readers from a range of backgrounds. It has been the vigilance of documenting the project on an annual basis that has led to several significant improvements in the design and execution of the project and, ultimately, to better information for fishery managers and those in the salmon industry.

Primary Information from PMTF

Historically, information from the test fishery is combined with other information gathered inshore (C+E) to provide six descriptors of the Sockeye Salmon run each year: (1) magnitude, (2) timing, (3) entry pattern, (4) stock composition, (5) age composition, and (6) the estimated weight of the average Sockeye caught at the test fishery.

Run magnitude (abundance), stock and age compositions, and average weight are self-explanatory. Run timing (early or late) is defined by how the date on which 50% of the run has occurred inshore compared to July 4 (historically, the date by which about half of the run has appeared although this date has shifted later in recent years). Entry pattern refers to the shape of the daily inshore run distribution (defined as C+E in Bristol Bay fishing districts) over time.

The spatial resolution of these descriptors can be district-specific or aggregated to represent the bay-wide run. Furthermore, forecasts of these descriptors can be "proximate" (i.e., pertaining to just the next several days) or "yearend" (pertaining to the remainder of the season's run). Proximate forecasts represent those fish thought to be between the PMTF and the commercial fishing districts (i.e., prior to being accounted for in the C+E). Proximate forecasts are based on the estimated travel time (TT) for Sockeye to travel between Port Moller and the districts and the estimated return-per-index (RPI; the number of fish inshore that each catch index point at the PMTF represents). RPI is estimated by comparing PMTF daily indexes to subsequent C+E lagged by the TT parameter.

The data informing us about these descriptors vary with respect to when they become available and their reliability. The chronological order of when they become available is as follows: (1) average individual weight, (2) age composition, (3) stock composition, (4) proximate run magnitude and entry pattern, (5) run timing, and (6) yearend run magnitude. Initial age compositions are typically released by ADF&G around June 20 (i.e., after the 5th or 6th PMTF sampling trip). This same timeline was true for stock composition estimates until the 2022 season when the onsite gene lab and two vessels provided enough samples to move the first release date up to June 16. The point at which proximate run magnitude and entry pattern estimates can be made varies by district. The Egegik and Nushagak-Wood Districts have the earliest run timing and begin to exhibit a more reliable relationship between PMTF catch indices and the inshore run around June 25 during early years, but sometimes as late as July 2 during late years. The Naknek-Kvichak District follows a few days later, and the Ugashik District later still. However, the Ugashik District is especially difficult given the long and more variable travel time between the fishing district and the escapement enumeration site. If few openers occur at the beginning of the season to produce district catches, then relating PMTF indices to eventual Ugashik C+E requires waiting on fish to show in the escapement. This phenomenon applies to other districts as well.

Run timing and yearend forecasts of magnitude are not available until catches at the PMTF have peaked and begun to decline. Knowing the peak day at Port Moller allows estimation of the earliness/lateness at the test fishery, which can then be used to estimate the run timing for C+E. Once the peak has occurred at Port Moller (the average date is ~June 29), sometimes the tail of the test fishing seasonal distribution can be projected and then used to forecast the remaining inshore run. Yearend forecasts are affected by any changes in the vulnerability of the run to capture at PMTF. Changes in the TT and/or especially RPI parameters after about June 30 can make accurate forecasting of proximate and yearend run magnitude difficult sometimes.

Objectives

The 2024 Port Moller test fishing project was managed by the Bristol Bay Science and Research Institute (BBSRI) in collaboration with ADF&G to achieve three main objectives.

1. Collect and report a variety of data useful for forecasting various descriptors of the run.
2. Inform stakeholder decisions by analyzing and interpreting these data to provide information in a timely manner.
3. To the extent time and resources allowed, observe and test various influences on variables that can affect forecasting accuracy and timeliness. Examples in previous years include gillnet selectivity, net saturation, migration patterns across the transect, and improvements to methods for age and stock composition estimation.

Methods

Study Area and Project Timing

Stations Fished

The PMTF samples were taken at stations located along a transect from Port Moller to Cape Newenham, Bristol Bay, Alaska (Figure 1). Stations are 5 nm apart, with Station 1 being 30 nm offshore from Port Moller and Station 12 being 85 nm offshore. Since 1987, only even numbered stations have been fished during both the outbound and inbound trips. Through 2015, typically 5 stations were fished (Stations 2-10; Table 1). In 2016, Station 12 was added to the daily schedule. In 2017, seven stations were fished: Stations 2, 4, 6, 8, 10, 12, and 14 (35–95 miles from Port Moller). For the first time in the history of the project, Stations 16-24 were sampled in 2018 by a second vessel during a pilot study (Raborn and Link 2018). The results from this study motivated full-season funding of a second vessel, R/V *Ocean Cat* (a 93 ft [28.3 m] steel vessel), during 2019 and allowed sampling out to Station 24 regularly and even once at Station 26. Two vessels were also used during 2020 and 2021, but weather/mechanical days prevented full coverage of the transect throughout the entirety of the season during these years. During 2022, the transect was fully covered by the *Ocean Cat* and the R/V *Halfmoon Bay* (replaced by the R/V *Miss Leona* in 2023 and 2024).

Sampling of the inside stations (2-10/12) and outside stations (12/14-22) was typically alternated from one day to the next between vessels to minimize the potential for any unknown vessel/skipper effects on the data collected. Sometimes odd numbered stations are sampled in addition to the even stations to assess patchiness across the transect.

Dates Fished

Most Bristol Bay Sockeye Salmon reach the fishing districts between the end of June and the middle of July, with the peak in the fishery typically occurring on or around July 5. Sockeye Salmon travel time from Port Moller to the Bristol Bay fishery usually takes about one week, so the standard PMTF has generally been from June 10 or 11 to July 10 or 11. Late runs and large catch indices at Port Moller through July 10 in recent years, motivated us to extend the end date in recent years (2016-2024; see Table 1).

Net Description

The PMTF standard net used from 2011 to 2019 consisting of four alternating 50-fathom shackles of 5⅛" (13.0 cm) and 4½" (11.4 cm) multi-strand mesh, 60 meshes deep, hung at a 2:1 ratio. Further information regarding net descriptions prior to 2011 and historical setup can be found in Nemeth et al. (2016). Based on our research from 2019, there was evidence that a greater portion of the run was passing underneath this net during particular weather conditions (e.g., calm seas, low wind, and sunny days causing greater water visibility). As such, we fished a deeper net starting in 2020—100-5⅛" meshes and 111-4½" meshes. All other net specifications remained the same. The fishing depth swept increased from ~6 m for the 60-mesh net to ~11 m for the deeper net used for 2020-2024.

Fish Sampling Protocol

Net Deployment and Retrieval

During standardized test fishing at each station, a single net was deployed. Drift gillnet sets lasted for a mean fishing time of 29 min (range=15-111 min; this accounts for time to set and retrieve the net), and deployment was perpendicular to the migratory path of the salmon on the north-south axis (Helton 1991). However, the net shifts in direction sometimes during sets during certain tide and wind scenarios. Sets have been shorter in recent years than those prior to 2015 to reduce the possibility of net saturation from affecting the index. The extra time saved each day from switching to single, shorter sets allowed for the addition of extra stations to be sampled (see Appendix F in Link et al. 2019). Typically, it took 5-6 min to deploy the full length of the net. After setting the net, the vessel moved away while maintaining visual contact. No attempt was made to hook or run the net to increase catch so as to better standardize effort among years, skippers, and vessels.

Data Recorded

Environmental variables measured included sea surface temperature (SST), sea state, Secchi depth (an index of water visibility), and wind velocity and direction, and tidal stage. New in 2024, were the use of Farallan Smart Buoys made by Blue Ocean Gear, Inc (Figure 2). These buoys were deployed at the surface from both vessels to record SST to within 0.1 degree of accuracy. Another buoy was deployed at 11 m deep from the R/V *Miss Leona* during most sets

to assess vertical changes in temperature that we suspect develops along parts of the transect during some years.

Times were recorded when the trailing buoy was deployed, when the net was fully set, when retrieval began, and when the net was fully in. Fish were identified to species and enumerated. Sockeye Salmon were measured for length (mid eye fork length—MEFL), individual weight (during the first half of the test fishery) and sampled for age and genetic analysis (described below).

Station Indexes

Catches were converted to catch-per-unit-effort (CPUE; fish per 200 fathom hours) to adjust for small differences in fishing times among sets (larger catches take longer to pick and cause the net to fish longer). The mean fishing time (*MFT*) in minutes for each set was:

$$MFT = SI - FO + \frac{(FO-SO)+(FI-SI)}{2} \quad (1)$$

Where, *SO*=time the gillnet first entered water, *FO*=time the gillnet was fully deployed, *SI*=time the gillnet retrieval began, and FI=time the gillnet retrieval was completed. CPUE was calculated as the number of fish caught divided by *MFT* and multiplied by 60 to provide fish per 200 fathom-hours.

Age and Stock Composition Estimates

Fish were sampled for stock and age composition analysis on the test fishery vessels' decks immediately following fishing at each station. For stock composition analysis, tissue samples were collected from Sockeye Salmon by clipping the pelvic fin. Tissues were placed into grid squares on individually barcoded preservation sheets and desiccated. Samples from the *Ocean Cat* were offloaded every other day onto the R/V *Miss Leona* for further processing within the onboard connex that was fabricated into a gene lab (see Appendix F in Raborn and Link 2023 for further details). Appendix B provides the 2024 stock composition estimates reported by ADF&G.

For age composition analysis, scales were removed from all Sockeye Salmon captured, whenever possible. Scales were aged according to European notation. Thus, numerals preceding the decimal refer to the number of freshwater annuli and numerals following the decimal refer to the number of marine annuli. Total age from time of egg deposition is the sum of these two numbers plus one to account for the first winter during incubation. Age estimations were made by ADF&G personnel in King Salmon using acetate impressions of scales under 10x magnification using a microfiche reader. These impressions were developed within the same connex used for the gene lab on the R/V *Miss Leona*. The 2024 age composition estimates reported by ADF&G for PMTF, inshore districts, and escapement projects are included in Appendix C.

The Daily Abundance Index

The Daily Abundance Index was developed from each day's station indexes. Two methods of calculating the daily abundance index have been used. See Raborn et al. (2011) for a description of the "Traditional Index". Briefly, the Traditional Index used the sum of CPUE's from Stations 2-8 giving double weight to Station 8 to account for fish missed beyond that station. Beginning in 2011, the PMTF has used the "Replacement Index" (hereafter referred to as just "Daily Abundance Index" or "Daily Index"), which was simply the average index from Stations 2-10. With extensive coverage of the area offshore of the traditional stations starting in 2019, we based Daily Indices across all stations (Stations 2-22) as including these additional stations seemed to better describe the dynamics of the inshore run.

To account for stations not fished, missing station-date specific values had to be interpolated. Some hyper-technical methodology is required here as a simple linear interpolation for missed values from observed indices for adjacent days and stations does not fully utilize the information contained in the entire 2-dimensional dataset (i.e., time and space). Instead, we fit the observed index pattern across days and stations with a generalized additive model (GAM). Day-of-year and station number were covariates, and their interaction fit with the "gam" function in the R Package "mgcv" with default settings for thin plate regression splines. The observed raw catch of sockeye represented the response and was modeled with a Tweedie distribution. Log(MFT) was added to the model as an offset to provide output in terms of predicted indices, which were used as the interpolated values.

Run Timing

Defining run timing relative to past seasons is becoming a moving target in recent years with a series of later runs being observed starting in 2015 and continuing through 2024. Thus, we did not attempt to adjust the baseline period to what constitutes the average. Instead, we defined early/late as the number of days before/after July 4 that 50% of C+E has been accounted for inshore.

Forecasting Based on the PMTF

Forecasts of age and stock composition were simply assumed to be equal to estimates observed at the PMTF through the most recent date[3]. Run timing forecasts are based on the earliness/lateness estimated at Port Moller and its relationship with historical run timings of previous inshore runs. We also sometimes provide forecasts that are independent of PMTF in

[3] Note that inseason estimates of district-specific stock composition from PMTF assume all later district catches to be local origin. Postseason estimates of actual stock-specific abundance provided by ADF&G are based on stock-specific harvests in the different districts. Differences will arise between in- and postseason stock composition estimates to the extent any stocks were caught in non-natal districts.

our daily updates and interpretations[4].

Forecasting run magnitude with PMTF is more complicated. As with any test fishery, assumptions must be made about the proportion of the run that is exposed to the test fishery day-to-day, and year-to-year, and the proportion of this exposed run encountering the test net that is caught. Typically, an assumption is made that these proportions are generally constant across a season and among years (i.e., constant catchability). Neither assumption seems to have been the case with the historical PMTF project. While improvements have been made in recent years to stabilize catchability, its fluctuation continues to obfuscate run magnitude forecasting. Investigating the causes of this fluctuation has and continues to be a priority.

Historical forecasting method applied to Port Moller data used the past relationship between cumulative indexes to date and resulting total runs from previous years' runs (see Appendices E and F in Raborn et al. 2011 for the evolution of forecasting methods). The usefulness of such forecasts was marginal at best and occasionally led to wildly inaccurate forecasts of abundance and patterns of run arrival to the districts. This inaccuracy had several causes. Notable among them was interannual variation in run timing, which is not known in the current year until beyond the middle of the run. Even more problematic was the annual variability of the run's exposure to the PMTF, which appears to have been significant given half the run could have passed beyond the outermost station fished (mostly Station 10, but sometimes Station 12) during some years but not others. For instance, we estimated that as much as 68% of the run may have passed beyond Station 10 in 2018; 59% in 2019, 56% in 2020, 47% in 2021, and 53% in 2022. Moreover, for 2022 the catch pattern across the transect changed dramatically during the season. During 2023 and 2024, the runs were distributed more inshore with 22% and 36% occurring beyond Station 10, respectively.

At the end of the 2011 PMTF project, we began developing a model to forecast the yearend total run magnitude based on current-year PMTF indices only. Called the "daily projection model", it was based only on information collected in the current season. Estimates of travel time (TT) between PMTF and inshore districts were estimated by fitting the Daily PMTF Indices to subsequent and appropriate C+E by simultaneously estimating the run-per-index (RPI) parameter. However, forecasting the total run for the year before early July proved to be unfeasible due to uncertainty in the tail of the PMTF.

In some years, such as 2019, we were able to report proximate forecasts of the inshore run magnitude for all stocks aggregated with the range in days determined by the TT parameter. In other years, we also provided district-specific proximate forecasts by parsing the Daily Catch Index across districts based on the stock composition estimates and then estimating their respective RPI and TT parameters separately. District-specific forecasts can be hindered in

[4] Specifically, we compare historical C+E to date binned by annual run sizes and overlaid with the current year's C+E as a way of gauging run timing and magnitude independent of the PMTF.

some years by coarse temporal resolution in the stock composition estimates. Sparse coverage of the station-day sampling matrix for 2020 and 2021 hindered our ability to produce quantitative proximate forecasts, even for the Bay as an aggregate. The greatest coverage of the station-day matrix was achieved during 2022 up through that year; at least some sampling occurred every day and the majority of the transect was sampled nearly every day. Likewise, more frequent and timely stock compositions were produced in 2022 than ever before. As such, we made several proximate forecasts of magnitudes and entry patterns. However, these forecasts proved to be inaccurate due to unforeseen conditions which are expanded upon in the Results and Discussion section. The same conditions seen in 2022 also appeared to be present in 2023; thus, we did not attempt this approach during 2023. Except for June 26, most all the stations were sampled every day during 2024. Nevertheless, tuning catch indices at Port Moller to inshore C+E remained too uncertain for resolute proximate forecasts.

Inseason Reporting of PMTF Information

Information from the PMTF was distributed regularly throughout the season using several methods. As has been the case for many years, the "daily catch updates" that summarized catches and indexes by station and the Daily Index were emailed to a distribution list usually on the same day that test fishing occurred (late fishing days can push some updates to early morning of the following day). Interpretations of these catches were provided in the body of these emails on some days as meaningful information changed or new insights were possible. Subscribers to the email distribution list are maintained from year-to-year and it is free to sign up via an email request to the authors of this report. Finally, BBSRI distributed ADF&G's genetic stock composition and age composition updates as they became available throughout the season. All project information sent by email, including the daily catch updates, interpretations, and age- and stock-composition estimates were also posted on the homepage of BBSRI's website (www.bbsri.org).

Many in the fleet often cannot receive emails when on the fishing grounds. Starting in 2020, a texting service was set up for recipients to receive an abbreviated summary of station indexes, stock composition estimates, and any important operational updates (e.g., weather or mechanical delays) to provide greater access to PMTF information. The texting service was provided free; a subscription required users to text "PMTF" to a 1-800 number.

Results and Discussion

In 2024, the Port Moller Test Fishery (PMTF) operated from June 10 to July 11 using two research vessels—the R/V *Ocean Cat* and the R/V *Miss Leona*. A total of 5,991 Sockeye were caught in 356 sets distributed mostly across Stations 2-24 (two sets were made at Station 26). More sets were made at the even numbered standard stations than during any other year throughout the history of the program. The coverage of stations and days during the 2024 test fishery was on par with 2022 and 2023. No days were missed entirely; however, only Station 6

was fished on June 26 due to rough weather. Nearly the entire transect was sampled all other days.

Inseason Reporting of PMTF Information

All inseason update types were numbered in sequence through the season and are provided in Appendices A–C. ADF&G's daily and season summaries are provided in Appendices D and E. The email distribution list ended the season with 1,300 email addresses, up about 6% over 2023 (Table 2). Updates available via SMS texts continued to be highly valued by fishermen. The dates and times of dissemination of the PMTF updates are given in Table 3. We were successful in getting daily catch updates out quickly as all were sent on the day of fishing.

The timeliness of the stock composition estimates is an important metric for the PMTF program, and in the past has been affected by coordination between vessels and several logistical steps from moving tissues from the transect to a lab in Anchorage. Link et al. (2019) elaborate on factors affecting the timing of stock composition estimates and summarized the frequency and processing time from collection of samples to public release. This summary is updated in Table 4. The median time between sample collection and release to the distribution list was a single day during the 2024 season; the maximum lag time was only two days. The turnaround time for 2024 estimates was two days faster than what has been observed since 2010 (Figure 3).

To further compare the timing of stock composition estimates in 2024 to the previous seasons, we examined the cumulative numbers of stock composition estimates by date within each season (Table 5). In 2024, the first stock composition estimate was released on June 20, equal to the median date since 2010. This first estimate covered a two-day window, whereas the first estimate in previous years typically combined four or more days rendering less resolution in their interpretations (Table 4). Seven stock composition estimates had been released by June 30 compared with a median of five from 2010 to 2023 (Table 5). Over the entire season a total of 12 estimates were released, which was comparable to recent years since the advent of the onboard genetics lab.

The reduced turnaround time between genetic tissue collection at the PMTF and release of the stock composition estimates, as well as increased frequency and number of estimates for 2022-2024 was due entirely to the onboard genetics lab that allowed genotyping to be done at sea. Therefore, the logistical difficulties of transferring samples to the gene lab in Anchorage were removed entirely. The pilot study performed in 2021 (Raborn and Link 2022), proving the feasibility of and vetting the results from an onboard gene lab, resulted in the successful full-scale shift in methodology during 2022 for such a crucial aspect of this program. Stock composition at Port Moller continues to be the most reliable and arguably the most important information that the test fishery provides. The value of increasing the spatio-temporal resolution of these estimates and reducing the time between sample collection and reporting cannot be overstated. An added benefit of genotyping onboard was that the test boats did not

have to deliver genetics samples to Port Moller every two days, which kept the crews on the fishing transect and improved spatio-temporal sampling coverage.

2024 Run Characterization and Performance of the PMTF

Table 6 summarizes our inseason interpretations of the run based on PMTF and is essentially a report card on the veracity of our predictions. This summary is an integral part of reporting results for quantifiable metrics that feed into our adaptive management of the project's study design.

Fish Weight, Age, and Stock Composition

On June 20 and June 24, we estimated the weights of the average Sockeye passing the test fishing transect to be 4.6 and 4.5 lbs, respectively. These estimates agreed with the 4.5 lbs reported for inshore catch by ADF&G in their season summary. Likewise, the estimated age composition based on the PMTF reflected that of the inshore run very well (Figure 4).

To assess the accuracy of PMTF stock composition estimates, district C+Es were lagged backwards to the PMTF using travel time (TT) parameters estimated for each of the districts—~9 days for Ugashik , ~10 days for Egegik, and ~8 days for Naknek-Kvichak and Nushagak-Wood. In addition to TT, lag times between the enumeration sites (counting towers and Nushagak sonar) and the fishing districts were estimated as follows: 9 days for the Ugashik River, 5 days for the Igushik River, 1 day for the Egegik, Naknek, and Wood Rivers, 2 days for the Alagnak and Nushagak Rivers, and 3 days for the Kvichak River.

Genetic samples taken at Port Moller were foretelling of the run's inshore stock composition (Figure 5). While the accuracy of these forecasts was sufficient to inform management and industry decisions, some error remained. Under-representation of the Naknek-Kvichak District stocks and over-representation of the Nushagak-Wood stocks seemed to occur during June 17-22; this pattern reversed during June 28-29. Ugashik and Egegik appeared to be accurately represented by Port Moller genetic samples throughout the season. All told, the discrepancies observed were relatively minor and could have occurred from random sampling error in the fish selected for analysis at Port Moller or slightly incorrect TT and escapement lag time estimates for each district and stock.

Run Magnitude, Entry Pattern, and Timing

The 2024 run was 51.6 million with 50% of C+E occurring by July 6 making it 2-days late if July 4 is the date we use to reference an "average" run timing. Run timings over the previous nine years (2015-2023) have been late (mean=3.6 days late; range=1-6; Figure 6). Early in the run, C+E was dominated by the Nushagak-Wood District, which remained strong throughout. On July 3 the Kvichak District began showing a substantial increase in C+E (Figure 7). Similar to 2023, multiple modes in C+E occurred during July, which were driven by the Kvichak District.

Across the transect, a strong second mode of catches did not occur along the outer

stations (Table 8). Since we began consistently fishing the outer stations, the transect pattern for 2024 was most similar to 2023, and 2021 (Figure 8). Interestingly, C+E to the Egegik District was smaller relative to other districts during these years (Figure 7).

Starting in 2020, the Daily Index was not indicative of the seasonal entry pattern for C+E (Figure 9). As such, we forewent publishing proximate forecasts of daily C+E during 2024. For some years, seasonal shifts in the travel time (TT) between the test fishery and inshore may have caused fish to stack outside the districts before surging in causing the multimodal pattern in C+E that was not apparent in the Port Moller signal. Alternately, catchability unknowingly changed, which altered the return-per-index (RPI=the number of fish inshore that each catch index point at Port Moller represents). In other words, the passage rate increased more or less consistently and then subsided as the season progressed, but our ability to catch passing Sockeye may have fluctuated during the season.

Reasons for changes in catchability at the test fishery are difficult to isolate. Prior to 2018, we suspected that the primary cause was incomplete transect coverage. Before then, the outermost station fished was typically Station 10. Beginning with a pilot study in 2018 to assess the feasibility of covering the entire transect (Stations 2-22/24) with two boats, better coverage has been achieved especially in 2019 when the PMTF and C+E aligned rather well. Missed consecutive days due to weather and mechanical problems hindered our view of the passage rate during 2020 and 2021. The interpolated values for missed data did not fit the inshore C+E pattern in these years. The two vessels used in 2022 were able to cover the transect almost completely, and no days were missed entirely. Substantial coverage was also achieved in 2023 and 2024. Nevertheless, the daily pattern in C+E has not mimicked that of the Daily Catch Index at Port Moller for the past three years.

We still think that changes in fish behavior can be the primary culprit. That is, fish passing the transect fluctuate in their susceptibility to the net by migrating deeper at times and/or exhibited milling behavior whereby they were less driven towards the spawning grounds. Seasonal differences in migration depth could be influenced by environmental variables such as water temperature. Greater catches seemed to align with sea surface temperatures of 8-9 $^{\circ}$C and subside at temperatures different than this. While we do not know if a thermocline was present at stations where catches dropped off during previous years, Sockeye tend to be deeper in areas of strong thermal stratification and shallower in areas of weaker stratification (Quinn and Terhart 1987; Quinn et al. 1989). Helton (1991) linked seasonal changes in depth of capture at the PMTF during 1989 to changing vertical thermal structures as the thermocline developed in strength over the course of the summer.

However, no substantial thermoclines seem to develop during 2024. Our use of the Farallon Smart Buoys to measure temperature at the surface and at 11 m deep provided data to inform how thermal structures changed along the transect both early and late in the season (Figure 10). Temperatures were a couple of degrees warmer along the inside stations compared

to the outer stations during both June and July. Furthermore, temperatures decreased at depth by 1-2 degrees during July. However, the gradients observed do not seem substantial enough to drive spatio-temporal patterns observed during the 2024 migration past the PMTF transect.

Changes in TT and RPI are not mutually exclusive, and both are entirely confounded. Unless we can stabilize the RPI throughout the season or at least detect when it changes in near real time, estimating TT will remain untenable therefore rendering proximate forecasts of C+E unreliable. For 2024, we suspect that the passage rate on June 26 increased substantially more than we thought. While we acknowledged a likely increase during June 25-27 in Catch Update #18, it may have been more than we suspected. For instance, the seasonal Daily Index pattern could have been thrown off substantially if our interpolation of the Daily Catch Index for June 26 was markedly underestimated (Figure 11).

Future Work and Recommendations

Consistent with the adaptive management approach to this project, we continue to examine our assumptions and search for ways of improving the test fishery on an annual basis. Below is the latest in this series of efforts to improve the test fishery performance. All our research to date suggests that most of the remaining forecast error comes from missing fish at the test fishery. We have shown that this can occur from (1) not sampling outer stations (possibly any year prior to 2018), (2) missing days during crucial times during the season due to mechanical/inclement weather (possibly any year, but likely during 2020-2021 and 2024), (3) ending the test fishery too early (some years prior to 2016), and (4) missing fish swimming under the net possibly due to changes in vertical thermal structure during the season (possibly any year prior to 2024).

Fishing two vessels large enough to stay on the test fishing transect during bad weather helps to mitigate Issues 1-3. Fishing a deeper net as we have done starting in 2020 to intercept fish swimming deeper partially addresses Issue 4; measuring water temperature at the bottom of this deeper net in 2024 helped to ascertain whether substantial changes to temperature gradients were occurring. Below are our recommendations for 2025:

Continue Using Two Vessels to Cover Stations 2-24

The primary advantage from having two vessels has been that the entire transect was more likely to be sampled on a given day. The discovery of a large second mode of fish migrating past Port Moller further offshore during 2018-2022 calls into question the comparison of PMTF results across years and hinders our ability to explain forecast error even within years. The degree to which errors in the past occurred because fish were missed beyond the transect, because travel times changed inseason, and/or because environmental conditions changed catchability cannot be discerned. While there was no consistent mode of fish beyond Station 12 during 2023 and 2024, we could not have known that without sampling the outer

stations. Only by sampling the entire transect can other reasons for forecast inaccuracy be examined. Furthermore, having two boats increases the possibility of sampling beyond July 10 as various boats occasionally have other commitments past this date in some years. Two boats are required for this level of spatio-temporal effort.

Moor Farallon Smart Buoys at Each Station for the Entirety of the Season

We discovered during 2023 that sea surface temperature (SST) can sometimes be difficult to pin down. Multiple thermometers and methods yielded slightly different readings. We recommended that water temperature be prioritized as a variable to be measured with greater accuracy and precision. During 2024, we used Farallon Smart Buoys developed by Blue Ocean Gear, Inc. to accurately record water temperature every few minutes both at the surface and at the bottom of the net. Temperature differences between the surface and bottom buoys indicated no substantial development of a thermocline, and in turn probably no change in catchability due to fish swimming deeper.

These buoys are now capable of recording wave height as well, and sea state (wave height) will no longer have to be subjectively estimated by eye. All these data can be accessed every five minutes to provide real time insight into changes in sea surface temperatures across the transect throughout the season. Furthermore, knowing the sea state at each station can inform captains about whether or not stations are fishable without having to jog through inclement weather for hours to find out.

Continue Measuring Water Temperature at the Bottom of the Net for Each Set

HOBO data loggers can be attached to the bottom of the test fishing nets to measure water temperature at 11 m deep for each set. As discussed above, these temperature data combined with surface temperature data from the Smart Buoys can be used to assess the development of thermoclines throughout the season.

Acknowledgments, Port Moller Test Fishery, 2024

The Port Moller Test Fishery is dependent on many individuals. Here is the cast of characters in 2024. Thank you all.

R/V Ocean Cat, Robert Maw (owner), Adam Maw (captain); Conner Mulvey, Ryan Mills, and Tyler Deal (deckhands). OC's sixth season at PMTF.

F/V Miss Leona, Chris Allinson (captain); Lee Samuel Cruz-Bondurant (deckboss), Landon Baker (Deckhand). ML's second season at PMTF.

BBSRI Fisheries Technicians, Bio-sampling and deck crew: Hayden Ulbrich, Jack Wrigley, Will Wrigley, and Tristan Van Leuven. At-sea genotyping: Natura Richardson.

Port Moller Support: Branson Spiers, Abby Frederick and Kyle Dunbar (Silver Bay Seafoods), Manuel (dock support) Silver Bay Seafoods.

Dutch Harbor Shore Support: Mike and Kai Lloyd (Pacific Stevedoring LLC). Office and yard staff, AML Dutch Harbor.

Stock Composition Estimates, Gene Conservation Laboratory, ADF&G
Tyler Dann (Lead), Elizabeth Lee (Lead-backup), Jodi Estrada (Lab Manager), Zac Grauvogel and Erin Dooley (In-Lab Support), and project support staff: Zach Pechacek and Tela Barkley.

Logistics Support and Scale Aging
Jeff Regnart (BBSRI): vessel operations; project management; gillnet and gear procurement.
Sam Harris (BBSRI): Crew Hiring & Training; pre-season gear prep.
Bryan Nass (BBSRI), Dan Fong (Nikon Instruments): At-sea scale aging.
Stacy Vega, Jasmin Terry-Schindelman, and Diana Merlino (ADF&G), scale aging, age comp summaries.

Project gillnets: Vikki Garroutte-Simpson, Gear Shed, Homer.

Project Management, Data Analysis, Daily Email/Text Updates. Scott Raborn (LGL), Jordan Head and Michael Link (BBSRI).

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Tables

Table 1. Start and end dates for the PMTF by year, the number of days each station was fished, and the total station-days fished by year, 1987-2024.

			Station														Stations
Year	Start	End	0	2	4	6	8	10	12	14	16	18	20	22	24	26	Sampled
1987	11-Jun	3-Jul		15	12	10	7										44
1988	11-Jun	5-Jul		19	19	17	16										71
1989	11-Jun	7-Jul		18	19	18	16										71
1990	11-Jun	5-Jul		18	19	19	16										72
1991	11-Jun	9-Jul		26	27	27	25	2									107
1992	11-Jun	9-Jul		20	23	23	19										85
1993	11-Jun	10-Jul		25	24	24	22										95
1994	11-Jun	9-Jul		26	26	26	26										104
1995	12-Jun	9-Jul		24	28	28	24	4									108
1996	12-Jun	8-Jul		26	26	26	26										104
1997	11-Jun	8-Jul		28	28	28	28										112
1998	12-Jun	9-Jul		26	27	27	26										106
1999	11-Jun	8-Jul		28	28	28	28	24	7								143
2000	10-Jun	8-Jul		20	23	28	28	28	10	3							140
2001	10-Jun	5-Jul		25	25	24	23	20									117
2002	10-Jun	9-Jul		30	30	30	30	30									150
2003	9-Jun	30-Jun		14	17	17	17	16									81
2004	10-Jun	9-Jul		18	27	29	29	27	12	1							143
2005	9-Jun	7-Jul		18	20	20	22	16	7								103
2006	10-Jun	9-Jul		18	26	24	24	25	6								123
2007	11-Jun	10-Jul		18	26	25	22	22	1								114
2008	10-Jun	8-Jul		11	19	25	24	20	5								104
2009	10-Jun	5-Jul		15	24	24	24	24	9								120
2010	10-Jun	7-Jul		25	26	25	25	23									124
2011	10-Jun	7-Jul		19	23	23	19	17									101
2012	10-Jun	8-Jul		24	24	25	26	26	2								127
2013	10-Jun	6-Jul		18	20	21	21	18									98
2014	10-Jun	10-Jul		26	26	27	27	25									131
2015	10-Jun	10-Jul		24	25	25	25	24									123
2016	12-Jun	12-Jul		26	27	27	27	24	24								155
2017	10-Jun	11-Jul		29	29	30	30	29	28	19							194
2018	10-Jun	11-Jul		13	25	27	27	27	28	28	26	11	8	5	2		227
2019	10-Jun	17-Jul		28	32	31	32	33	31	28	24	21	21	17	10	1	309
2020	12-Jun	13-Jul		10	15	18	24	24	24	20	17	15	10	6	2		185
2021	11-Jun	15-Jul		20	22	24	28	26	27	25	24	23	21	11	1		252
2022	10-Jun	14-Jul	3	22	31	32	33	34	33	34	32	31	28	12	4	1	330
2023	11-Jun	13-Jul		28	30	31	28	29	27	27	28	31	21	14	6		300
2024	10-Jun	11-Jul		24	30	32	31	31	31	31	31	30	28	28	27	2	356
Average, 1987-2017																	112
Average, 2018-2024																	280

Does not include odd stations fished in 2018-2024 or paired sets made at various stations in some years.

Table 2. Number of recipients in the Port Moller Test Fishery email distribution list by known and unknown affiliation for 2017-2024.

	2017	2018	2019	2020	2021	2022	2023	**2024**	% change, 2023-24
Government									
ADF&G Research and Others	36	41	37	41	45	44	44	**45**	2%
ADF&G Fishery Managers	8	7	7	9	10	11	12	**10**	-17%
Other State Government	3	2	2	3	3	3	4	**5**	25%
Local Government	1	6	8	7	8	7	7	**7**	0%
Federal Government	2	3	3	2	1	3	4	**3**	-25%
Subtotal	50	59	57	62	67	68	71	**70**	-1%
Industry									
Fishermen	69	223	393	465	525	658	759	**845**	11%
Processing	162	182	183	192	202	215	223	**187**	-16%
Buyers	13	20	25	33	37	39	40	**40**	0%
Shippers	5	11	12	14	14	12	12	**12**	0%
Other Industry	17	27	33	34	36	41	44	**47**	7%
Subtotal	266	463	646	738	814	965	1078	**1131**	5%
Other									
Non-ADF&G Scientists	28	35	45	47	50	45	50	**51**	2%
Non-Governmental Org.	6	3	3	3	7	4	3	**6**	100%
Media	12	8	3	7	7	7	8	**9**	13%
Subtotal	46	46	51	57	64	56	61	**66**	8%
Known Affiliation	362	568	754	857	945	1,089	1,210	**1,267**	5%
Unknown affiliation*	132	84	5	22	12	18	18	**33**	83%
Grand Total	494	652	759	879	957	1,107	1,228	**1,300**	11%
Net increase, year-over-year		158	107	120	78	150	121	**72**	
% Increase, year-over-year		32%	16%	16%	9%	16%	11%	**6%**	

Table 3. Sampling dates and time of corresponding updates for four main types of inseason information from the Port Moller Test Fishery in 2024. Updates were sent by email to the distribution list and posted on BBSRI's website (www.bbsri.org); an abridged version was sent via a texting service as well.

Sampling Date	Catch Update #	Time (date) Catch Update emailed	Commentary on Run?	ADF&G Inseason Reports	
				Stock Composition	Age Comp.
9-Jun	Pre-season	1:02 PM	Yes		
10-Jun	1	10:29 PM			
11-Jun	2	9:34 PM			
12-Jun	3	8:07 PM			
13-Jun	4	10:26 PM			
14-Jun	5	9:20 PM			
15-Jun	6	8:12 PM	Yes		
16-Jun	7	6:48 PM			
17-Jun	8	7:41 PM	Yes		
18-Jun	9	6:29 PM			
19-Jun	10	9:54 PM	Yes		
20-Jun	11	9:40 PM	Yes	#1, 11:07 AM June 17-18	
21-Jun	12	6:58 PM	Yes	#2, 8:40 PM June 19-20	
22-Jun	13	7:14 PM			
23-Jun	14	9:22 PM	Yes	#3, 2:46 PM June 21-22	
24-Jun	15	6:48 PM	Yes		#1
25-Jun	16	4:22 PM		#4, 12:08 PM June 23-24	
26-Jun	17	9:39 PM		#5, 11:09 AM June 25	
27-Jun	18	6:31 PM	Yes		
28-Jun	19	7:17 PM	Yes	#6, 3:02 PM June 27	
29-Jun	20	7:48 PM			
30-Jun	21	6:30 PM		#7, 6:02 PM June 28-29	
1-Jul	22	10:09 PM	Yes		
2-Jul	23	8:25 PM	Yes	#8, 7:12 PM June 30-July 1	#3
3-Jul	24	9:25 PM	Yes		
4-Jul	25	9:08 PM	Yes	#9, 3:08 PM July 2-3	
5-Jul	26	7:27 PM			
6-Jul	27	7:47 PM		#10, 4:03 PM July 4-5	#4
7-Jul	28	7:19 PM			
8-Jul	29	7:58 PM	Yes	#11, 3:09 PM July 6-7	
9-Jul	30	7:46 PM			
10-Jul	31	8:15 PM		#12, 3:03 PM July 8-9	
11-Jul	32	6:54 PM			

Table 4. Distribution of stock composition estimates within and among seasons, 2010-2024. Boxed areas denote sample dates; date within the box is date results were published, and the number in parentheses is the number of days after the last day of a given sample until the estimates were published. Run timing is indicated for each year.

Sample Dates	2010 1 day late	2011 3 days early	2012 avg. timing	2013 6 days early	2014 3 days early	2015 6 days late	2016 6 days late	2017 2 days late	2018 4 days late	2019 4 days late	2020 5 days late	2021 2 days late	2022 1 day late	2023 2 days late	2024 2 day late	Sample Dates
10-Jun																10-Jun
11-Jun																11-Jun
12-Jun	#1 June 21 (3)	#1 June 19 (3)	#1 June 21 (4)	#1 June 21 (4)	#1 June 18 (3)	#1 June 20 (3)			#1 June 20 (3)							12-Jun
13-Jun								#1 June 20 (3)								13-Jun
14-Jun										#1 June 20 (2)		#1 June 19 (3)	#1 June 16 (1)	#1 June 17 (1)		14-Jun
15-Jun													#2 June 18 (1)			15-Jun
16-Jun												#2 June 21 (3)		#2 June 19 (1)	#1 June 20 (2)	16-Jun
17-Jun		#2 June 22 (3)											#3 June 20 (1)			17-Jun
18-Jun	#2 June 23 (3)		#2 June 24 (4)	#2 June 22 (3)		#2 June 22 (3)			#2 June 24 (4)		#1 June 22 (2)	#3 June 23 (3)		#3 June 21 (1)	#2 June 21 (1)	18-Jun
19-Jun		#3 June 24 (3)	#3 June 24 (3)	#3 June 24 (3)	#2 June 24 (3)	#3 June 25 (4)	#1 June 25 (3)		#3 June 25 (3)	#2 June 25 (3)		#4 June 25 (3)	#4 June 22 (1)	#4 June 23 (1)	#3 June 23 (1)	19-Jun
20-Jun	#3 June 25 (3)	#4 June 26 (3)	#4 June 26 (3)	#4 June 26 (3)	#3 June 26 (3)	#4 June 25 (2)	#2 June 28 (5)	#2 June 28 (3)	#4 June 27 (2)	#3 June 27 (3)	#2 June 25 (2)		#5 June 24 (1)	#5 June 25 (1)	#4 June 25 (1)	20-Jun
21-Jun						#5 June 27 (3)					#3 June 27 (2)	#5 June 28 (3)	#6 June 27 (2)	#6 June 28 (2)	#5 June 26 (1)	21-Jun
22-Jun	#4 June 27 (3)	#5 June 28 (3)		#5 June 28 (2)	#4 June 28 (3)		#3 June 29 (3)			#4 June 29 (3)		#6 June 30 (3)		#7 June 29 (1)	#6 June 28 (1)	22-Jun
23-Jun	#5 June 30 (4)		#5 June 30 (3)	#6 July 2 (4)		#6 June 29 (3)	#4 June 30 (2)	#3 June 29 (2)	#5 June 30 (3)	#5 July 1 (3)	#4 July 2 (2)	#7 July 2 (3)	#7 July 1 (2)	#8 July 1 (1)	#7 June 30 (1)	23-Jun
24-Jun	#6 July 2 (3)		#6 July 2 (3)		#5 July 1 (2)	#7 July 2 (3)	#5 July 2 (2)	#4 July 1 (2)	#6 July 2 (3)	#6 July 3 (3)			#8 July 3 (2)		#8 July 2 (1)	24-Jun
25-Jun	#7 July 4 (3)	#6 July 4 (3)	#7 July 4 (3)		#6 July 3 (2)	#8 July 3 (2)	#6 July 6 (4)	#5 July 3 (2)	#7 July 3 (2)	#7 July 4 (2)	#5 July 4 (1)	#8 July 6 (2)	#9 July 5 (2)	#9 July 3 (1)	#9 July 4 (1)	25-Jun
26-Jun	#8 July 6 (3)	#7 July 7 (3)	#8 July 6 (3)		#7 July 6 (3)	#9 July 7 (3)	#7 July 6 (2)	#6 July 5 (2)	#8 July 6 (3)		#6 July 7 (3)		#10 July 7 (2)	#10 July 6 (1)	#10 July 6 (1)	26-Jun
27-Jun	#9 July 8 (3)			#7 July 10 (3)	#8 July 9 (4)		#8 July 6 (1)	#7 July 7 (2)	#9 July 7 (2)	#8 July 8 (2)	#7 July 7 (2)		#11 July 8 (1)	#11 July 9 (1)	#11 July 8 (1)	27-Jun
28-Jun	#10 July 10 (3)	#8 July 9 (2)				#10 July 10 (2)	#9 July 11 (3)	#8 July 10 (2)	#10 July 8 (1)	#9 July 11 (3)	#8 July 11 (2)	#9 July 10 (2)	#12 July 10 (1)		#12 July 10 (1)	28-Jun
29-Jun							#10 July 12 (3)									29-Jun
30-Jun										#10 July 14 (3)		#10 July 13 (2)	#13 July 13 (2)	#12 July 12 (1)		30-Jun
1-Jul																1-Jul
2-Jul																2-Jul
3-Jul																3-Jul
4-Jul																4-Jul
5-Jul																5-Jul
6-Jul																6-Jul
7-Jul																7-Jul
8-Jul																8-Jul
9-Jul																9-Jul
10-Jul																10-Jul
11-Jul																11-Jul
No. estimates	10	8	8	7	8	10	10	8	10	10	8	10	13	12	12	
Number of days from collection to estimates published																
Min	3	2	3	2	2	2	1	2	1	2	1	2	1	1	1	
Max	4	3	4	4	4	4	5	3	4	3	3	3	2	2	2	
Median	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	2.0	3.0	1.0	1.0	1.0	
Avg	3.1	2.9	3.3	3.1	2.9	2.8	2.8	2.3	2.6	2.7	2.0	2.7	1.5	1.2	1.1	

Table 5. Cumulative number of stock composition estimates from PMTF by date, 2010-2024. Run timing is indicated for each year (e.g., 1L=1 day late).

Date	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	**2024**	2010-2024		
Run timing	1L	3E	avg.	6E	3E	6L	6L	2L	4L	4L	5L	2L	1L	2L	**2L**	Min	Max	Median
16-Jun	0	0	0	0	0	0	0	0	0	0	0	0	1	0	**0**	0	1	0
17-Jun	0	0	0	0	0	0	0	0	0	0	0	0	1	1	**0**	0	1	0
18-Jun	0	0	0	0	1	0	0	0	0	0	0	0	2	1	**0**	0	2	0
19-Jun	0	1	0	0	1	0	0	0	0	0	0	1	2	2	**0**	0	2	0
20-Jun	0	1	0	0	1	1	0	1	1	1	0	1	3	2	**1**	0	3	1
21-Jun	1	1	1	1	1	1	0	1	1	1	0	2	3	3	**2**	0	3	1
22-Jun	1	2	1	2	1	2	0	1	1	1	1	2	4	3	**2**	0	4	1
23-Jun	2	2	1	2	1	2	0	1	1	1	1	3	4	4	**3**	0	4	2
24-Jun	2	3	3	3	2	2	0	1	2	1	1	3	5	4	**3**	0	5	2
25-Jun	3	3	3	3	2	4	1	1	3	2	2	4	5	5	**4**	1	5	3
26-Jun	3	4	4	4	3	4	1	1	3	2	2	4	5	5	**5**	1	5	4
27-Jun	4	4	4	4	3	5	1	1	4	3	3	4	6	5	**5**	1	6	4
28-Jun	4	5	4	5	4	5	2	2	4	3	3	5	6	6	**6**	2	6	4
29-Jun	4	5	4	5	4	6	3	3	4	4	3	5	6	6	**6**	3	6	4
30-Jun	5	5	5	5	4	6	4	3	5	4	3	6	6	7	**7**	3	7	5
1-Jul	5	5	5	5	5	6	4	4	5	5	3	6	7	8	**7**	3	8	5
2-Jul	6	5	6	6	5	7	5	4	6	5	4	7	7	8	**8**	4	8	6
3-Jul	6	5	6	6	6	8	5	5	7	6	4	7	8	9	**8**	4	9	6
4-Jul	7	6	7	6	6	8	5	5	7	7	5	7	8	9	**9**	5	9	7
5-Jul	7	6	7	6	6	8	5	6	7	7	5	7	9	9	**9**	5	9	7
6-Jul	8	6	8	6	7	8	8	6	8	7	5	8	9	10	**10**	5	10	8
7-Jul	8	7	8	6	7	9	8	7	9	7	7	8	10	10	**10**	6	10	8
8-Jul	9	7	8	6	7	9	8	7	10	8	7	8	11	10	**11**	6	11	8
9-Jul	9	8	8	6	8	9	8	7	10	8	7	8	11	11	**11**	6	11	8
10-Jul	10	8	8	7	8	10	8	8	10	8	7	9	12	11	**12**	7	12	8
11-Jul	10	8	8	7	8	10	9	8	10	9	8	9	12	11	**12**	7	12	9
12-Jul	10	8	8	7	8	10	10	8	10	9	8	9	12	12	**12**	7	12	9
13-Jul	10	8	8	7	8	10	10	8	10	9	8	10	13	12	**12**	7	13	10
14-Jul	10	8	8	7	8	10	10	8	10	10	8	10	13	12	**12**	7	13	10
# estimates	10	8	8	7	8	10	10	8	10	10	8	10	13	12	**12**	7	13	10

Table 6. Substantive comments and predictions in the daily updates of the 2024 Port Moller Test Fishery.

Update #	Date sent	% of C+E remaining	Summary of commentary, analyses, and predictions	Did the prediction(s) come true?
Pre-season	9-Jun	100%	Described the vessels and personnel to be involved in 2024 PMTF season.	N/A
6	15-Jun	100%	Included the final catch update tables for 2018-2023 to facilitate comparison with previous years. Noted the poor fishing conditions through this date. Infered that catches at Port Moller were as expected given an accurate preseason forecast and the run not being extremely early.	N/A
8	17-Jun	100%	Reiterated the signal at Port Moller was in keeping with the preseason forecast and a run timing close to average (PREDICTION).	YES. The run was above forecast and 2-days late.
10	19-Jun	100%	Noted that the smaller:larger mesh catch ratio of 60:40 was indicative of a 2-ocean dominated run as expected from the preseason forecast (PREDICTION).	YES. 80% of the run were 2-ocean fish.
11	20-Jun	100%	Reported the weight for the average fish caught at Port Moller to be ~4.6 lbs (PREDICTION). Noted the strong Kvichak signal in the 1st stock composition release.	YES. ADF&G's 2024 Season Summary reports the average weight = 4.53 lbs for harvested Sockeye.
12	21-Jun	99%	Added a figure below the catch update table showing the percent of fish caught thus far at the PMTF in the 4½ inch mesh.This metric seems to stabilize around this point in the season based on recent years. Noted that this year was most like 2021, which produced a 70% 2-ocean dominated run (PREDICTION).	YES. 80% of the run were 2-ocean fish.
14	23-Jun	99%	Hypothesized about how wind may affect travel time.	N/A
15	24-Jun	98%	Noted the age compososition at the PMTF so far was 81% 2-ocean (PREDICTION 1). Udated the weight-length relationship; average fish caught was ~4.5 lbs (PREDICTION 2).	(1) YES. 80% of the run were 2-ocean fish. (2) YES. ADF&G's 2024 Season Summary reports the average weight = 4.53 lbs for harvested Sockeye.
18	27-Jun	92%	Speculated that the migration rate increased substantially during June 25-27.	Most likely.
19	28-Jun	89%	Stated the run was not early w/ 50% of C+E inshore no sooner than July 4 (PREDICTION 1). A 7-8 day travel time should cause an increase in C+E on Jul 2-3 (PREDICTION 2).	(1) YES. 50% of C+E occurred on July 6 (2-days late). (2) Sort of. C+E increased on July 3 and peaked on
22	1-Jul	81%	Predicted C+E should increase substantially over the next few days (PREDICTION 1). Said the run was likely over 40 million with 50% occuring no sooner than July 6 (PREDICTION 2).	(1) More or less. C+E was up July 3-6. (2) YES. 50% of C+E occurred on July 6 (2-days late).
23	2-Jul	78%	Predicted a larger/later run was more likely due to increase in catches at the PMTF (PREDICTION).	Vague prediction, but generally true.
24	3-Jul	73%	Speculated that the travel time was less for Nushagak compared to Kvichak district (PREDICTION 1). C+E would stall for Kvichak over next day or two while Nushagak would increase (PREDICTION 2).	(1) NO. travel times for both districts were most likely about 8 days. (2) NO. C+E increased for the Naknek-Kvichak District over the next several days; C+E increased for the Nushagak District on July 4, but then declined.
25	4-Jul	64%	Included figures to facilitate understanding of how index weighted stock compositions related to subsequent C+E. Suggested that the passage rate substantially increased and predicted that 50% of C+E would occur no sooner than July 9 (PREDICTION).	NO. The increase in the Daily Port Moller Index did not result in a proportionate increase in C+E. 50% of C+E occurred three days sooner on July 6.
29	8-Jul	41%	Noted the tail of the run was passing Port Moller. Predicted C+E would remain low for July 8 and maybe July 9, but a second mode of C+E was yet to show inshore.	Sort of. C+E subsided on July 8-9, increased on July 10 and 12, but not at the level of the peak on July 4-6.

Table 7. Catch indices by station and date from the 2024 Port Moller Test Fishery, with those provided by the R/V *Ocean Cat* highlighted in blue; all others were sampled by the R/V *Miss Leona*. The relative magnitude of the Daily Catch Index (mean indices across Stations 2-22) is indicated by green bars; interpolated values for missing station-date combinations were included in this calculation.

	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)												Mean Daily Catch Index Avg. Indices Across Stations
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	(Stns 2-22)
10-Jun	3	2	0	11	14	0	0	0					3
11-Jun	0	0	14	0	0	2	0	0	2	2	0		2
12-Jun	3	3	5	0	10	3	0	0	0	0	0	3	2
13-Jun	3	0	0	0	3	0	4	0	2	0	3	0	1
14-Jun	0	0	8	8	0	22	0	0	3	0	0	0	4
15-Jun	0	0	0	29	6	7	0	2	0	15	0	0	5
16-Jun		0	0	29	8	28	2	3	7	0	5	0	8
17-Jun		0	56	22	101	0	2	4	11	13	0	2	19
18-Jun	0	0	42	75	105	22	2	2	4	10	2	2	24
19-Jun	0	36	25	0	4	54	39	0	75	92	4	4	30
20-Jun	0	0	136	88	114	43	88	5	0	41	2	0	47
21-Jun		23	56	68	114	150	33	2	0	35	11	7	45
22-Jun		58	73	54	105	21	0	2	6	41	8	0	34
23-Jun	0	14	62	39	55	23	45	42	34	54	14	0	35
24-Jun	0	85	130	26	116	5	32	18	30	21	28	2	45
25-Jun	0	3	132	95	306	73	0	9	108				71
26-Jun			219										58
27-Jun		0	203	135	74	5	12	7	21				47
28-Jun	0	7	90	82	89	2	47	28	14	95	50	0	46
29-Jun	5	43	4	302	114	25	29	2	8	11	0	27	49
30-Jun	0	2	3	21	99	35	21	0	0	27	2	39	19
1-Jul		93	124	88	156	46	7	2	0	23	12	104	50
2-Jul	0	8	69	297	243	50	3	3	7	6	4	5	63
3-Jul	0	0	73	64	188	45	27	111	18	29	15	0	52
4-Jul	2	114	158	140	359	21	36	33	21	64	27	17	89
5-Jul		14	85	43	202	47	176	37	56	112	20	7	72
6-Jul	0	0	13	28	79	72	16	8	8	62	69	6	32
7-Jul	2	2	9	64	46	2	12	2	33	14	2	12	17
8-Jul	0	31	18	155	60	32	15	0	36	38	0	0	35
9-Jul	0	58	54	46	111	0	28	60	110	43	7	26	47
10-Jul	19	5	30	76	0	2	26	46	41	2	0	9	22
11-Jul	2		24	31	9	2	6	32	0	5	4	6	12

Table 8. Predicted catch indices by station and date from the 2024 Port Moller Test Fishery based on a statistical predictive model (see Methods). The gradient of greater to lesser values is colored red to blue, repsectively.

Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24
10-Jun	1	2	3	3	3	2	1	1	0	0	0	0
11-Jun	1	2	3	4	4	2	1	1	1	1	1	0
12-Jun	1	2	4	6	5	3	1	1	1	1	1	1
13-Jun	1	2	5	7	7	4	2	1	1	1	1	1
14-Jun	1	3	6	10	10	6	3	2	2	2	2	1
15-Jun	1	3	8	14	15	9	5	3	3	3	2	1
16-Jun	2	4	11	22	23	14	7	5	5	5	3	2
17-Jun	2	5	16	34	35	21	11	8	8	8	5	2
18-Jun	2	8	25	51	51	30	16	13	13	11	6	3
19-Jun	3	11	37	74	71	40	23	18	19	16	8	3
20-Jun	4	15	51	99	90	49	28	24	25	21	11	4
21-Jun	5	20	65	120	103	55	32	28	30	25	13	5
22-Jun	6	24	78	134	107	56	33	30	33	29	16	7
23-Jun	7	27	86	138	106	54	32	29	33	31	19	9
24-Jun	7	30	89	137	100	50	29	26	31	31	21	11
25-Jun	8	31	91	135	95	46	25	22	27	29	23	13
26-Jun	8	31	91	133	92	43	22	19	23	27	24	16
27-Jun	8	30	91	136	93	41	20	16	20	26	26	18
28-Jun	7	29	91	142	98	42	19	14	17	24	27	20
29-Jun	7	28	91	152	108	45	20	14	16	24	28	22
30-Jun	6	26	91	162	122	51	22	14	17	24	28	22
1-Jul	6	24	89	171	137	60	25	17	18	25	28	22
2-Jul	5	22	86	174	149	69	30	20	21	27	27	20
3-Jul	5	21	81	169	153	77	37	25	26	30	27	19
4-Jul	5	20	75	156	145	79	42	31	32	33	27	17
5-Jul	5	20	69	135	127	74	45	37	38	37	26	15
6-Jul	6	20	62	112	102	64	43	40	43	39	25	13
7-Jul	6	20	55	88	77	50	38	39	44	38	22	11
8-Jul	6	19	47	68	56	37	31	34	40	34	19	9
9-Jul	7	18	40	50	40	28	24	28	34	28	16	7
10-Jul	7	17	32	37	29	21	19	22	26	22	12	6
11-Jul	7	15	25	28	22	16	15	17	20	16	10	5

Figures

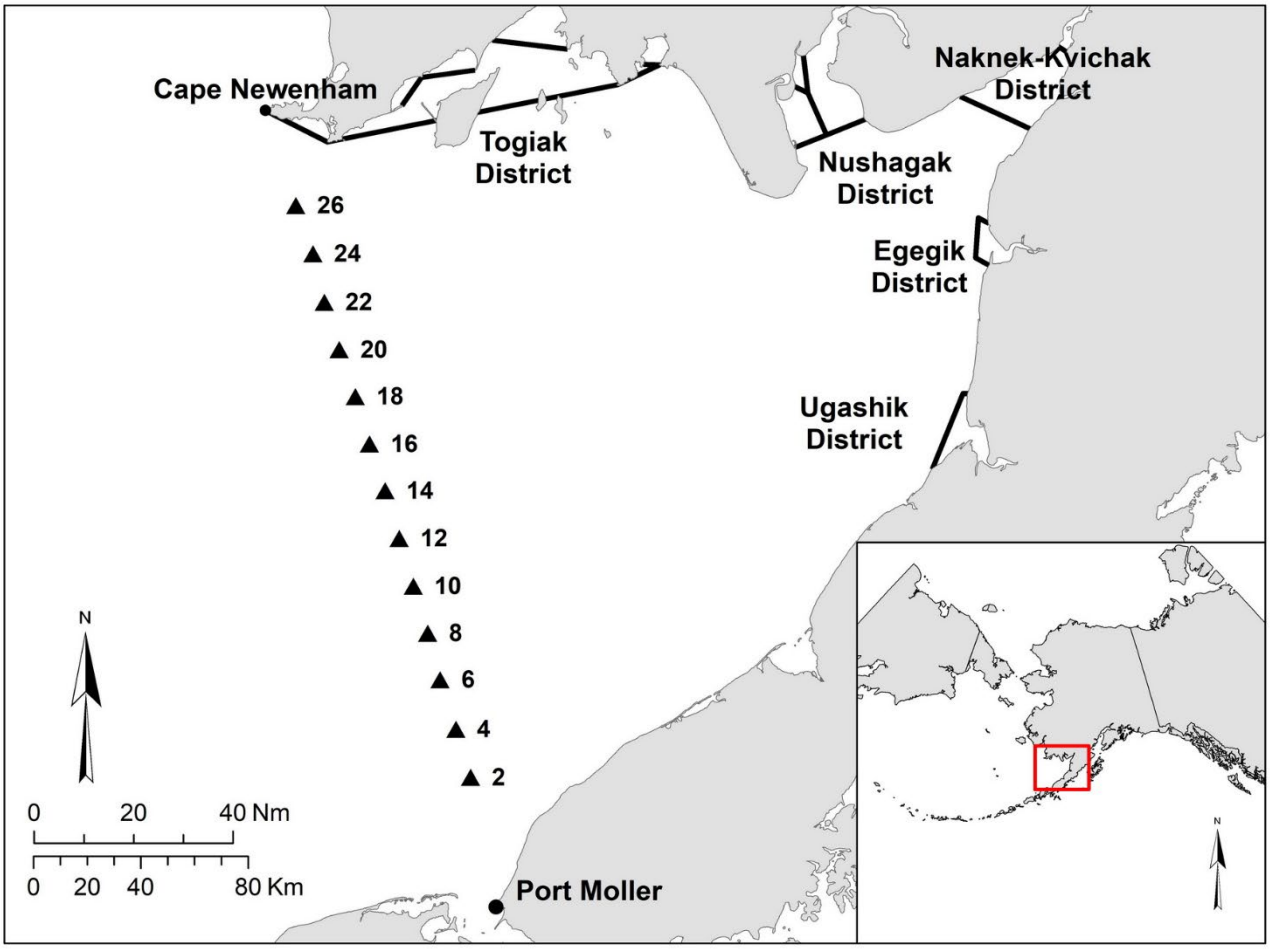


Figure 1. Map of the study area, showing the stations of the 2024 Port Moller Test Fishery and the locations of Bristol Bay fishing districts. Sockeye passing the test fishery stations take approximately six to nine days to reach the Bristol Bay fishing districts in typical years.

Figure 2. Farallon Smart Buoy, made by Blue Ocean Gear, Inc. used to measure water temperature during the PMTF at the surface and at 11 m deep (i.e., the depth to which the bottom of the test net extends).

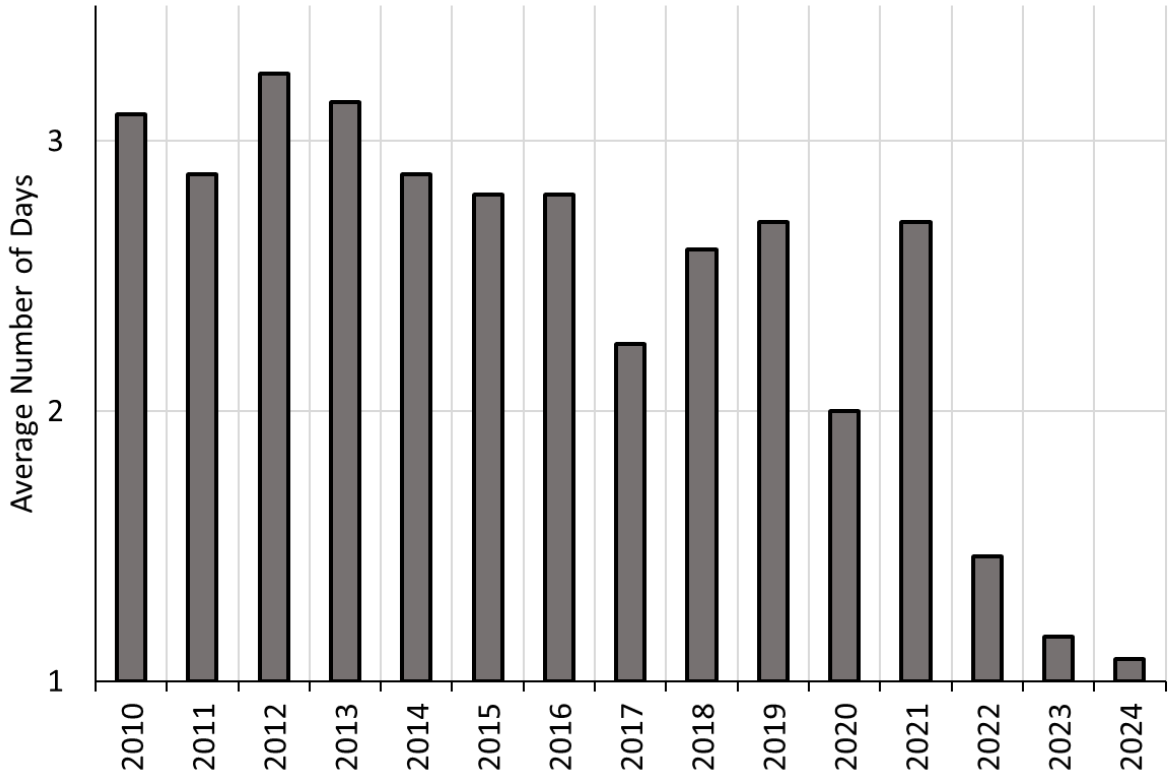


Figure 3. The average number of days between the final date included in the inseason stock composition estimates and the release of those composition estimates from PMTF, 2010-2024.

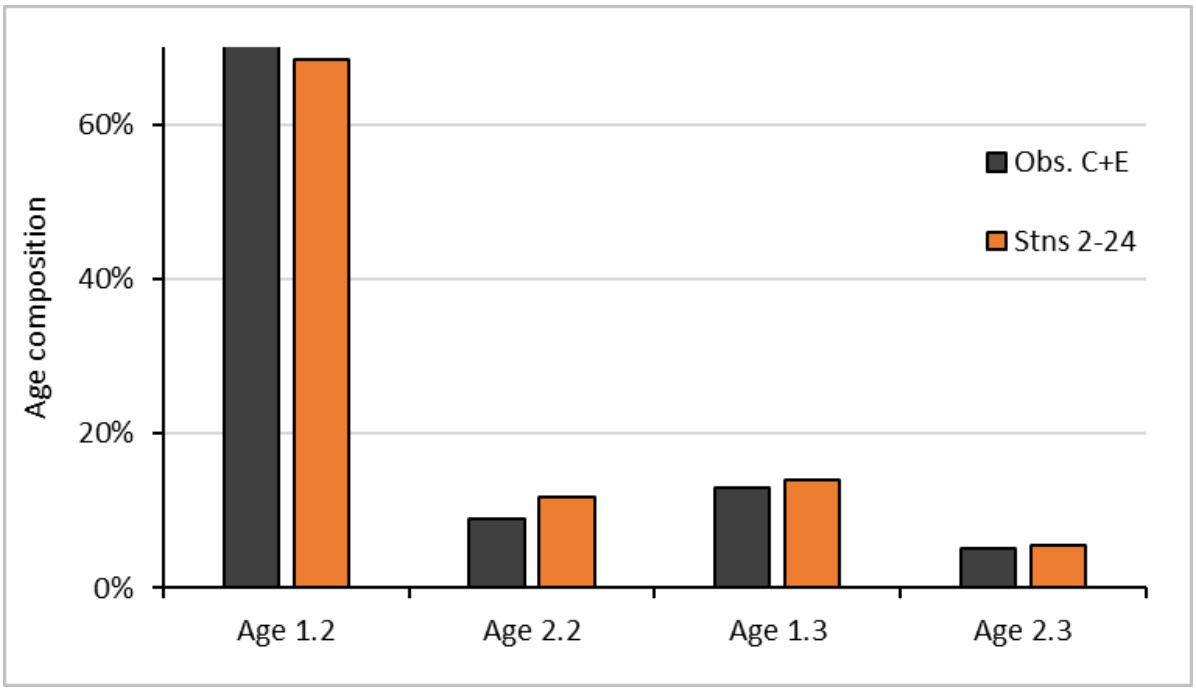


Figure 4. Age composition for the observed C+E compared to that estimated from PMTF samples across the entire transect (Stns 2-24) in 2024. Values taken from the last age composition estimates released by ADF&G on July 17, 2024.

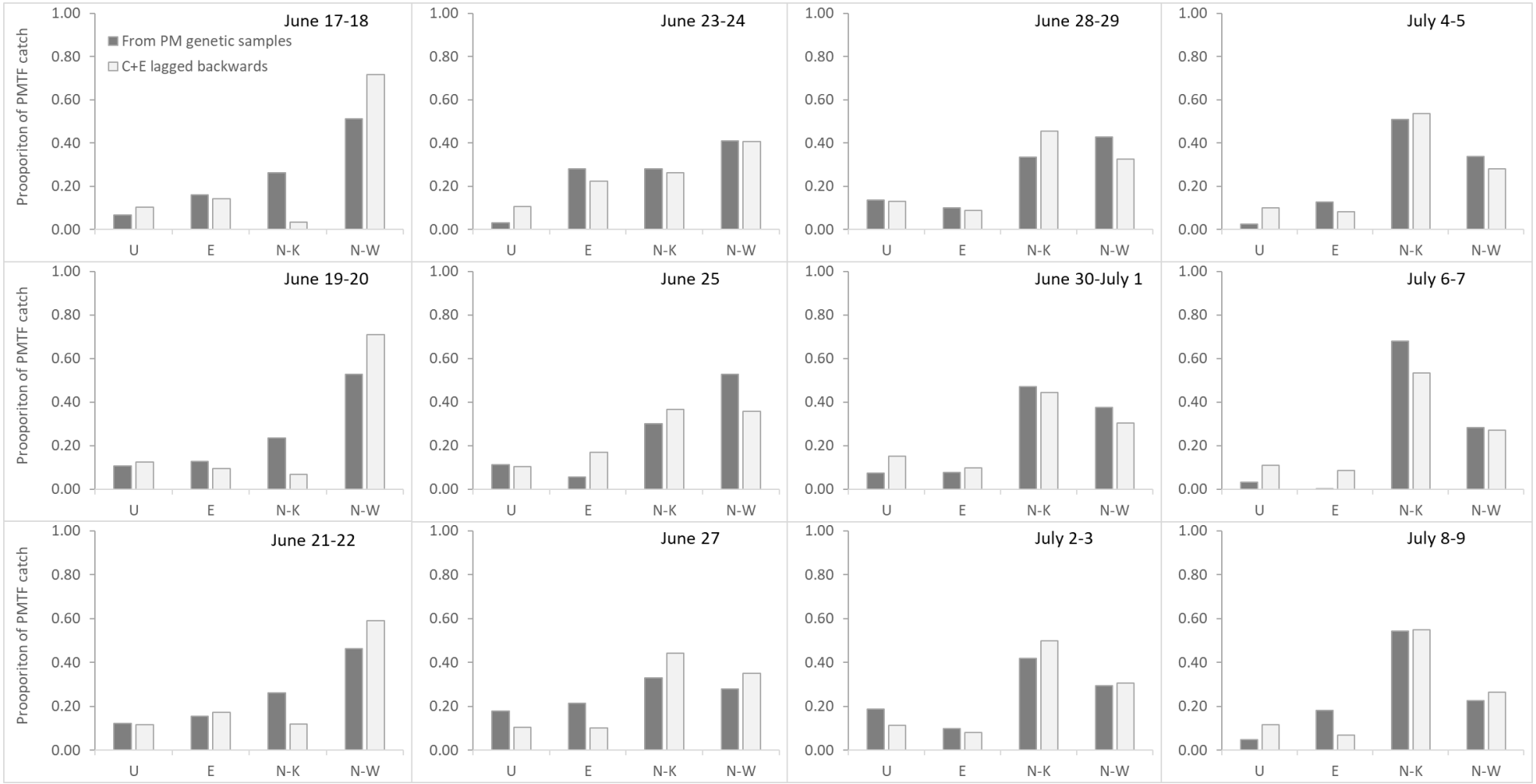


Figure 5. Stock composition by district based on catches from the PMTF compared to catch + escapement (C+E), 2024. Proportions for C+E were estimated from district runs lagged backwards to the PMTF using travel times (TT) for each district (see Figure 9).

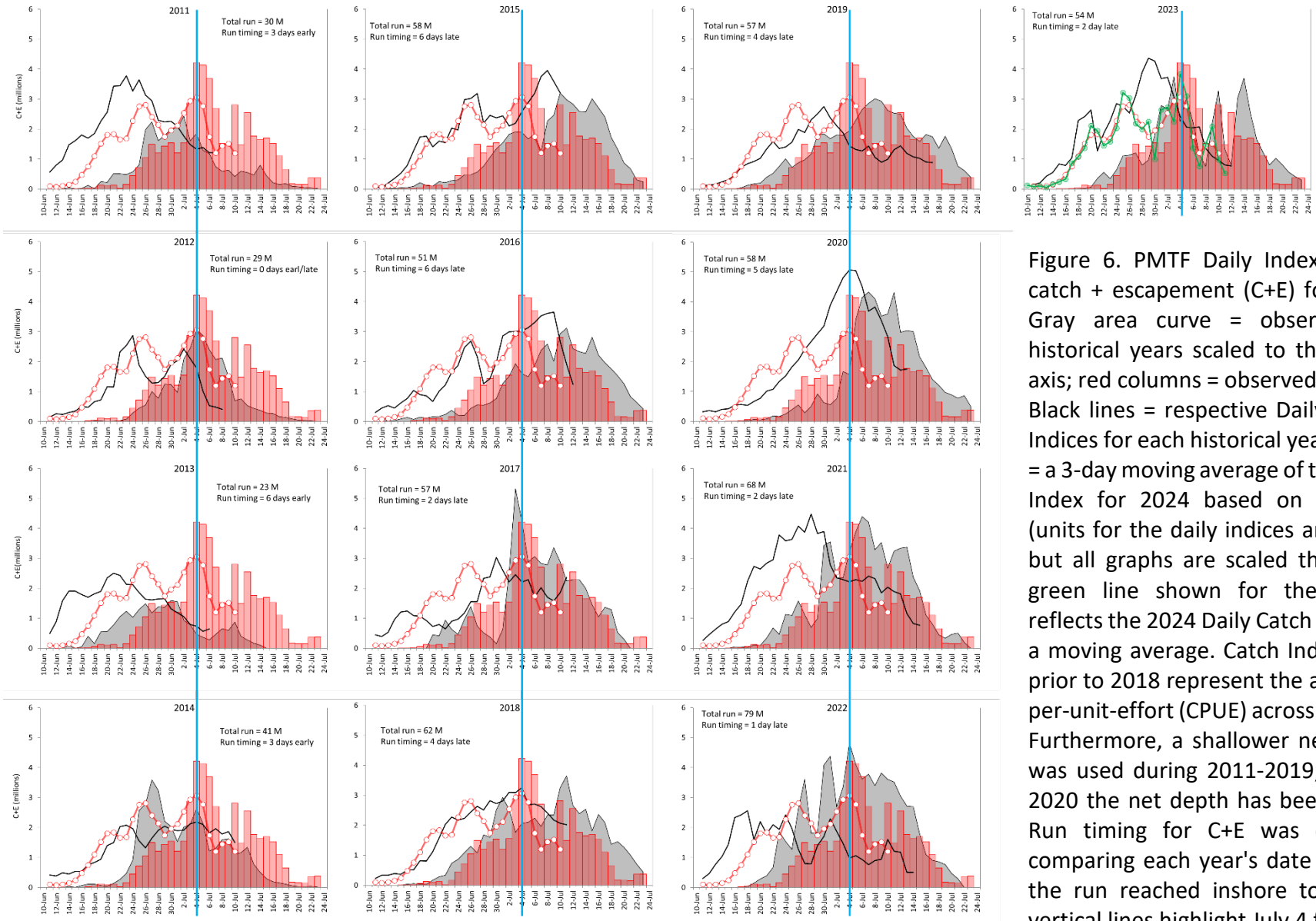


Figure 6. PMTF Daily Index and inshore catch + escapement (C+E) for 2011-2024. Gray area curve = observed C+E for historical years scaled to the left vertical axis; red columns = observed C+E for 2024. Black lines = respective Daily PMTF Catch Indices for each historical year; the red line = a 3-day moving average of the Daily Catch Index for 2024 based on Stations 2-22 (units for the daily indices are not shown, but all graphs are scaled the same). The green line shown for the 2023 panel reflects the 2024 Daily Catch Index without a moving average. Catch Indices for years prior to 2018 represent the average catch-per-unit-effort (CPUE) across Stations 2-10. Furthermore, a shallower net (6 m deep) was used during 2011-2019; beginning in 2020 the net depth has been 11 m deep. Run timing for C+E was estimated by comparing each year's date when 50% of the run reached inshore to July 4. Blue vertical lines highlight July 4 for reference.

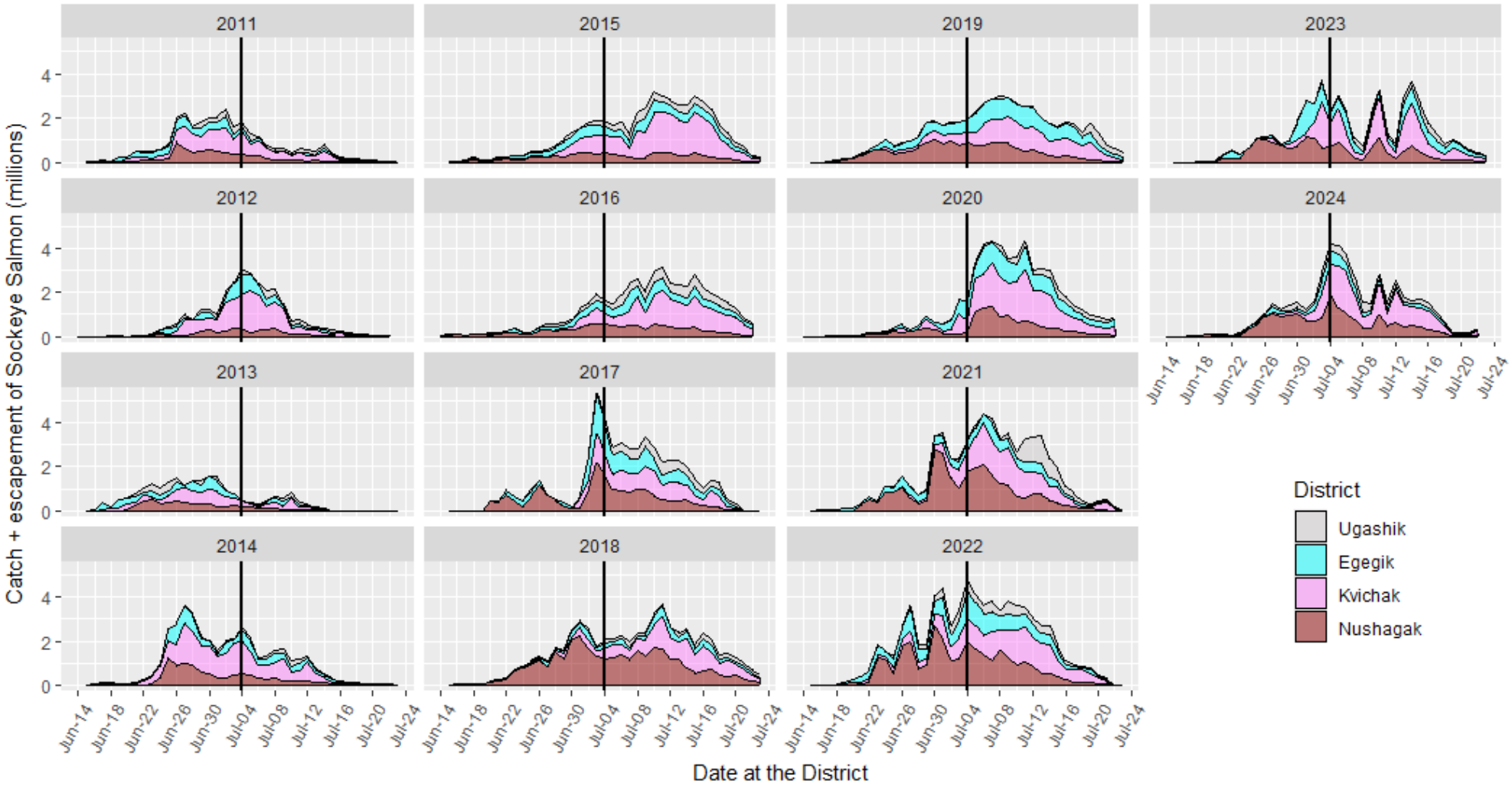


Figure 7. Catch plus escapement by district for 2011-2024. The black vertcal line specifies July 4 in each year to facilitate comparisons.

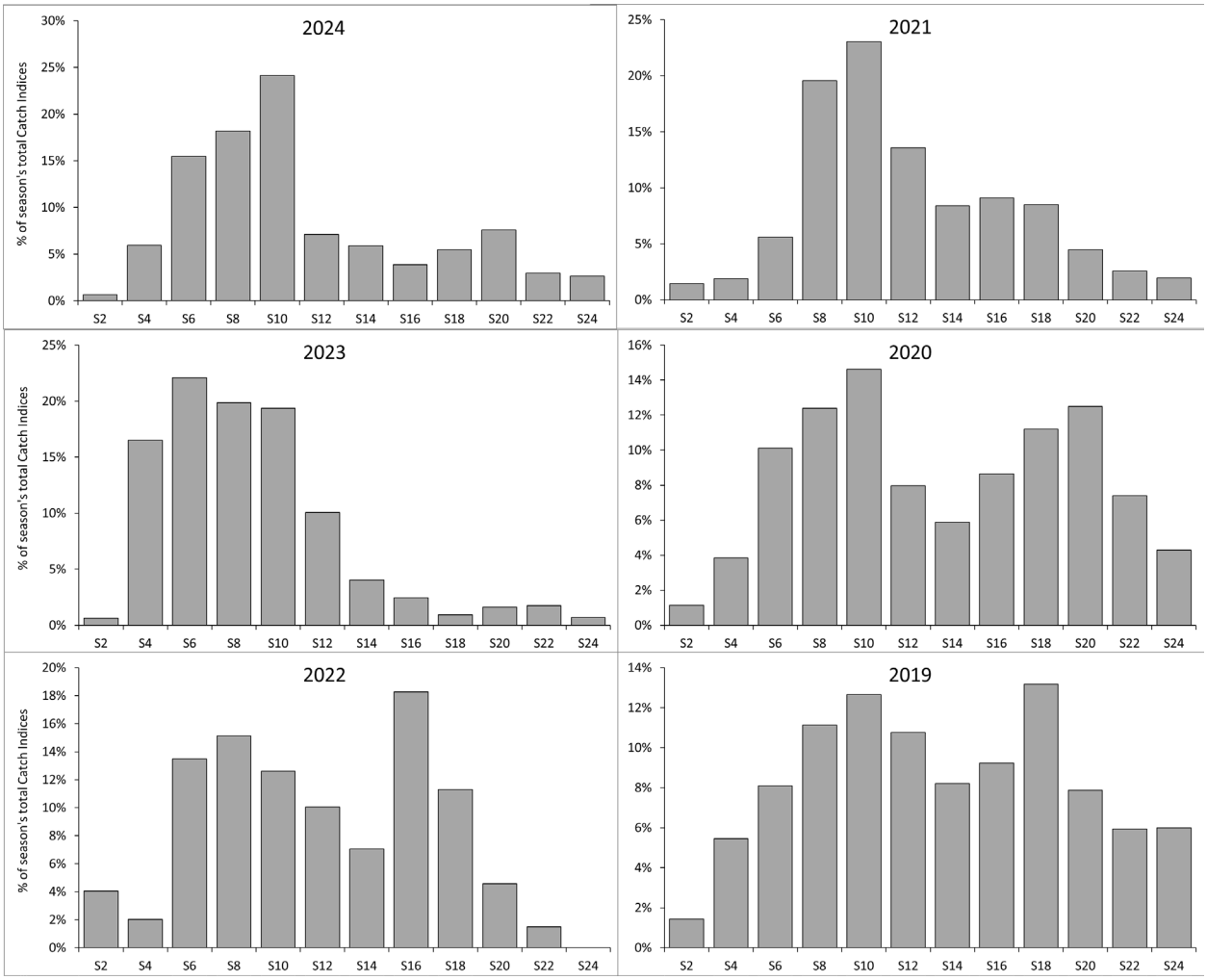


Figure 8. Relative pattern in catch indices across the test fishing transect 2019-2024.

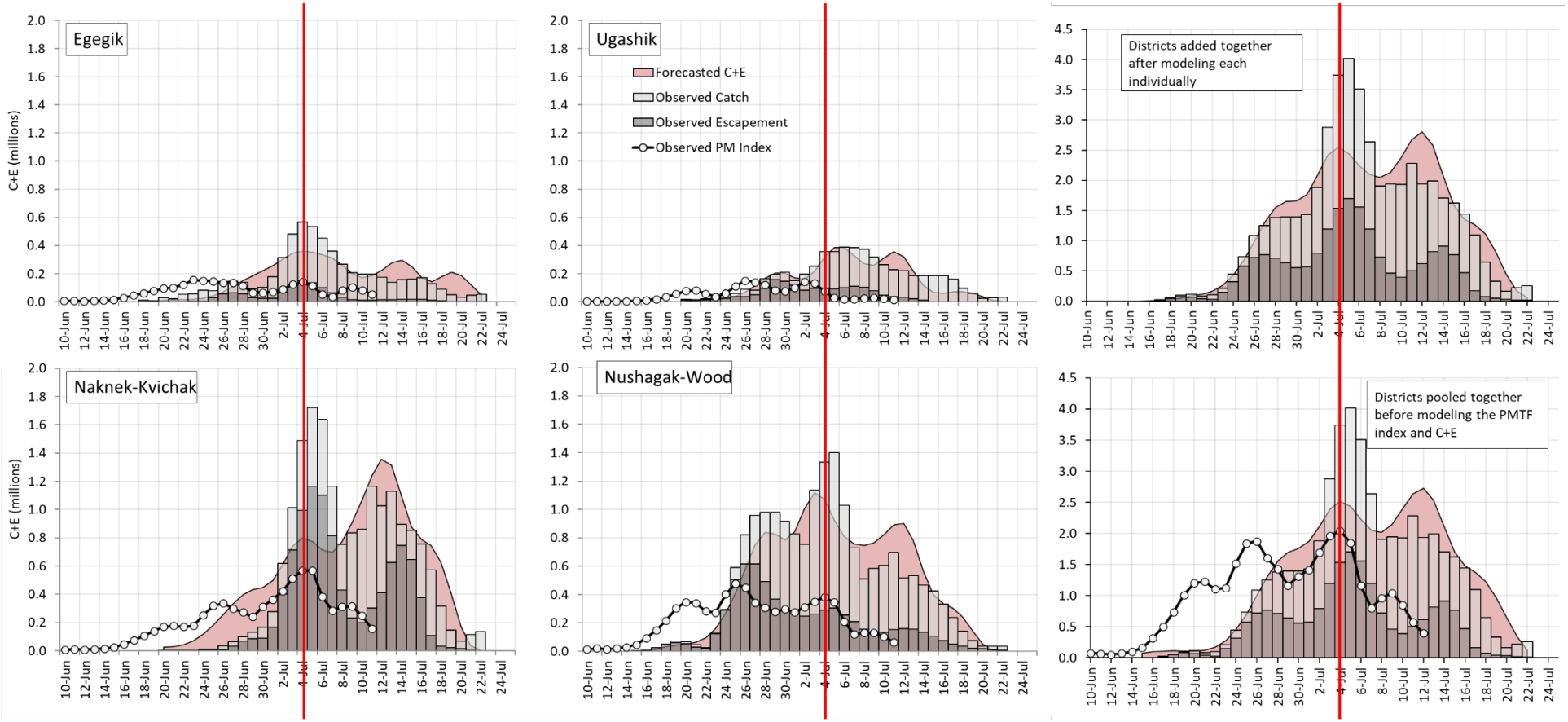


Figure 9. Forecasted (salmon colored area curve) and observed inshore catch + escapement (C+E) for 2024. Note: escapement was lagged backwards from the enumeration sites for each district. The scale for the Daily Port Moller Index is not shown, but all district graphs are scaled the same (total run graphs are scaled the same as each other). Travel time between Port Moller and the inshore districts was estimated to be about 8.9 days for Ugashik, 10.0 for Egegik, 8.2 for Naknek-Kvichak, and 7.9 for Nushagak-Wood. All values represent a 3-day moving average.

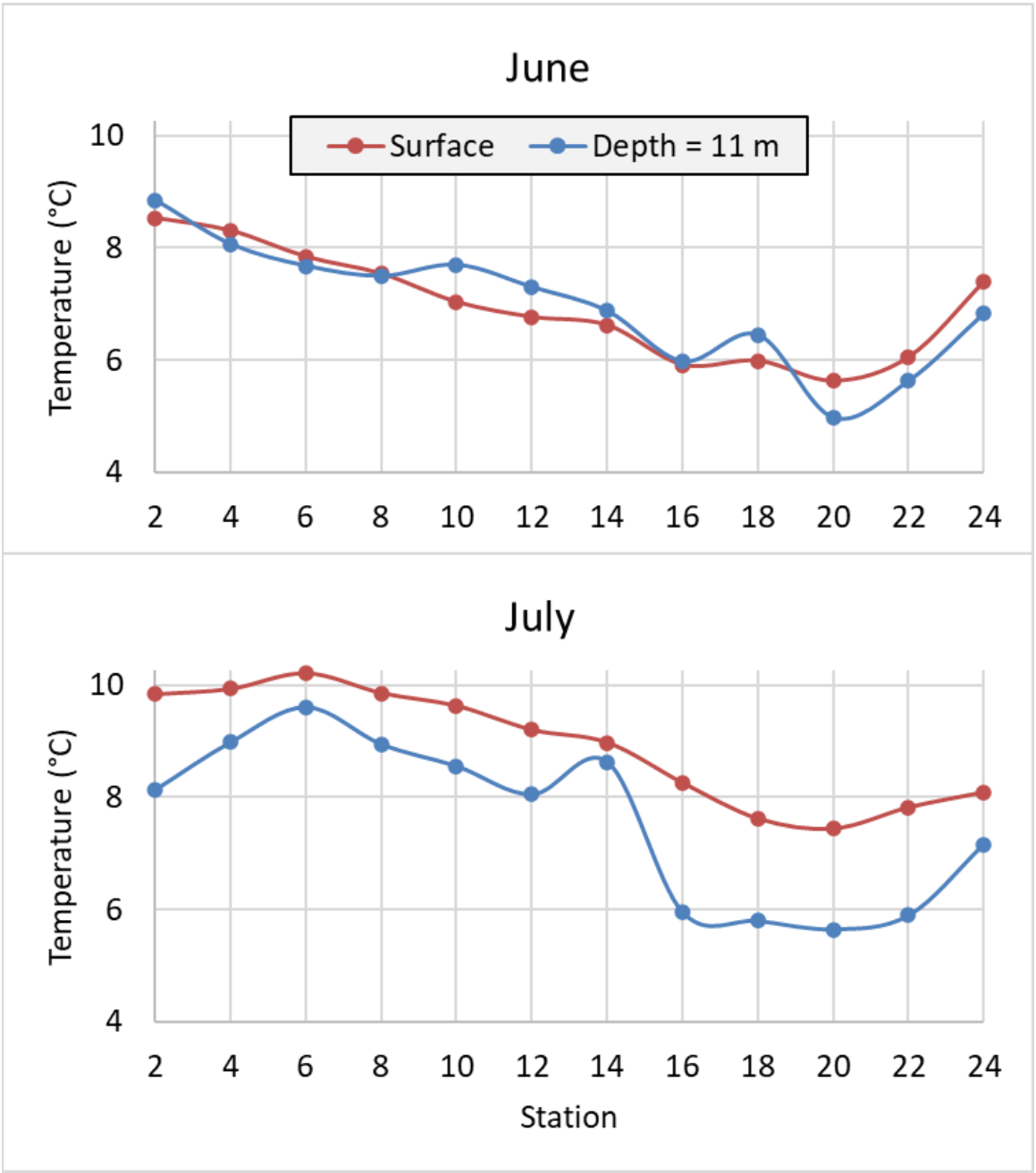


Figure 10. Average water temperatures by station for June and July measured at the surface and at 11 m deep with Farallon Smart Buoys during the 2024 PMTF.

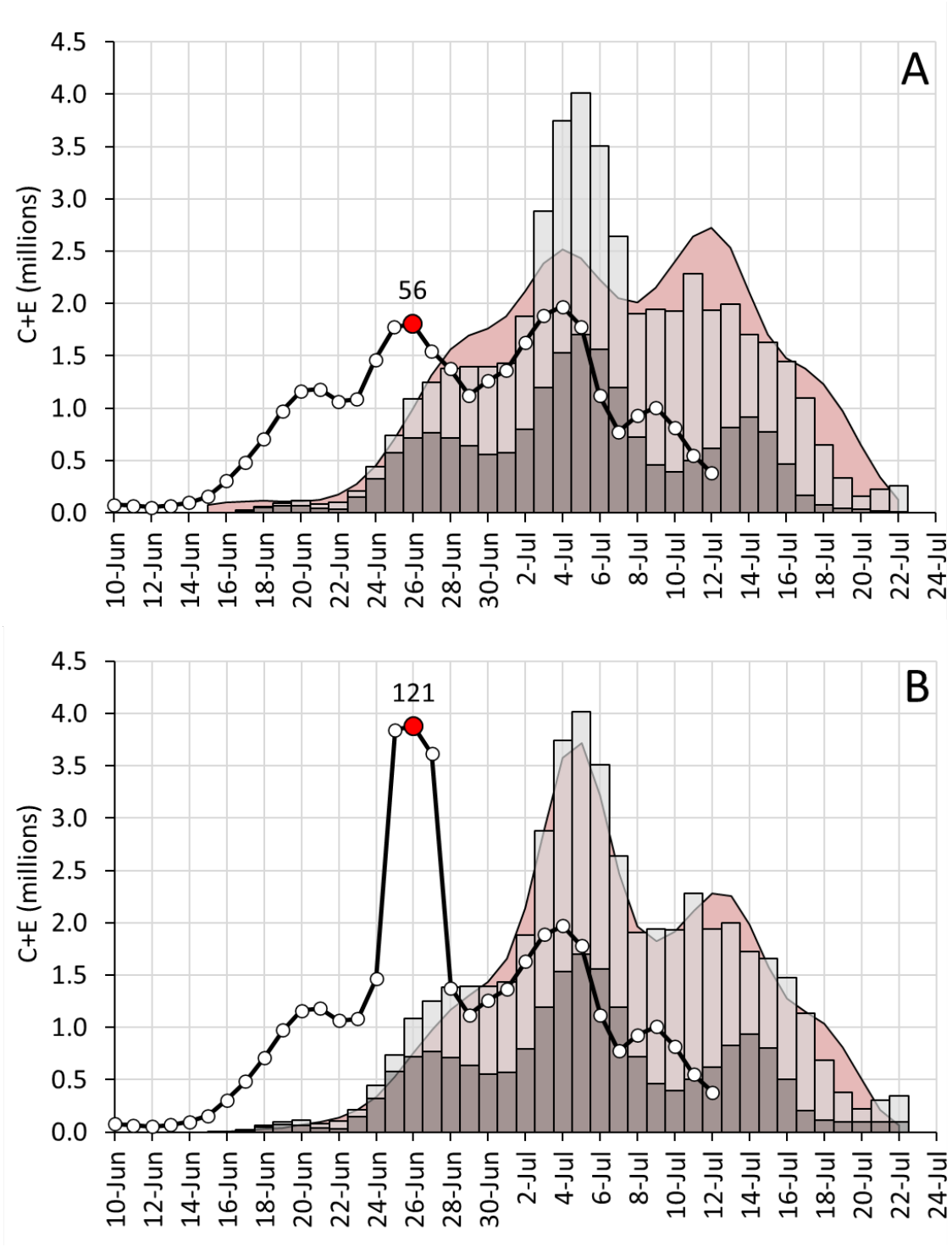


Figure 11. Pooled forecasts (salmon colored area curve) and observed inshore catch + escapement (C+E) for 2024. (A) Yearend prediction using the inseason interpolated value for June 26. (B) Yearend prediction using a hypothetical interpolated value for June 26 assuming it was substantially underestimated in the top graph. All values represent a 3-day moving average.

Appendices

Appendix A

Catch updates and inseason interpretations for the Port Moller Test Fishery in 2024.

Each day's catch update contained a cover email plus the catch update table (if there was fishing), and sometimes relevant supporting tables and figures. For this appendix, the catch update tables sent through the season have been removed to reduce the size and duplication within the appendix.

Order of pages in this appendix:

1. BBSRI's final daily catch update table sent on July 11, 2024.
2. Catch update cover emails that contained additional information, and tables and figures that were not redundant with the final catch update.

Scott Raborn

From: Scott Raborn
Sent: Thursday, July 11, 2024 6:53 PM
To: Jordan Head
Cc: Michael Link; Jeff Regnart
Subject: PMTF Catch Update #32, July 11, 2024
Attachments: PMTF Catch Update #32, July 11, 2024.pdf; PMTF_RawData - July 11 2024.pdf; Acknowledgments PMTF 2024.pdf

Please find attached today's catch update (includes accommodating figures describing historical and the current year's run) and the raw data. Also attached are acknowledgements for all those who made this year's test fishery happen.

This will be the final update for the 2024 Port Moller Test Fishery.

Good luck everyone! See you next year.

PMTF Stock Composition Status: No more stock compositions will be estimated for this year.

Index by Station

S2: 2
S4: Not fished due to marine mammal presence
S6: 24
S8: 31
S10: 9
S12: 2
S14: 6
S16: 32
S18: 0
S20: 5
S22: 4
S24: 6

Daily Catch Index=12

Scott and Jordan

Acknowledgments, Port Moller Test Fishery, 2024

The Port Moller Test Fishery is dependent on many individuals. Here is the cast of characters in 2024. Thank you all.

R/V *Ocean Cat*, Robert Maw (owner), Adam Maw (captain); Conner Mulvey, Ryan Mills, and Tyler Deal (deckhands). OC's sixth season at PMTF.

F/V *Miss Leona*, Chris Allinson (captain); Lee Samuel Cruz-Bondurant (deckboss), Landon Baker (Deckhand). ML's second season at PMTF.

BBSRI Fisheries Technicians, Bio-sampling and deck crew: Hayden Ulbrich, Jack Wrigley, Will Wrigley, and Tristan Van Leuven. At-sea genotyping: Natura Richardson.

Port Moller Support: Branson Spiers, Abby Frederick and Kyle Dunbar (Silver Bay Seafoods), Manuel (dock support) Silver Bay Seafoods.

Dutch Harbor Shore Support: Mike and Kai Lloyd (Pacific Stevedoring LLC). Office and yard staff, AML Dutch Harbor.

Stock Composition Estimates, Gene Conservation Laboratory, ADF&G
Tyler Dann (Lead), Elizabeth Lee (Lead-backup), Jodi Estrada (Lab Manager), Zac Grauvogel and Erin Dooley (In-Lab Support), and project support staff: Zach Pechacek and Tela Barkley.

Logistics Support and Scale Aging
Jeff Regnart (BBSRI): vessel operations; project management; gillnet and gear procurement.
Sam Harris (BBSRI): Crew Hiring & Training; pre-season gear prep.
Bryan Nass (BBSRI), Dan Fong (Nikon Instruments): At-sea scale aging.
Stacy Vega, Jasmin Terry-Schindelman, and Diana Merlino (ADF&G), scale aging, age comp summaries.

Project gillnets: Vikki Garroutte-Simpson, Gear Shed, Homer.

Project Management, Data Analysis, Daily Email/Text Updates. Scott Raborn (LGL), Jordan Head and Michael Link (BBSRI).

Funding: BBSRI, ADF&G, Bristol Bay Regional Seafood Development Association (BBRSDA), Processors: Trident, OBI, Copper River, Canfisco – Leader Creek, Red Salmon, Pederson Point, AGS, E & E. Others: AML

Port Moller Test Fishery: Catch Update #32, 11 July 2024.

All updates sent by email are also posted online at www.bbsri.org

	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)												Mean Daily Catch Index Avg. Indices Across Stations	Raw catches		Mean Length (mm)	
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	(Stns 2-22)	4½" mesh	5⅛" mesh	4½" mesh	5⅛" mesh
10-Jun	3	2	0	11	14	0	0	0	0	0	0	0	3	12	2	470	501
11-Jun	0	0	14	0	0	2	0	0	2	2	0	0	2	9	0	475	
12-Jun	3	3	5	0	10	3	0	0	0	0	0	3	2	4	7	499	511
13-Jun	3	0	0	0	3	0	4	0	2	0	3	0	1	6	1	476	533
14-Jun	0	0	8	8	0	22	0	0	3	0	0	0	4	5	11	474	506
15-Jun	0	0	0	29	6	7	0	2	0	15	0	0	5	24	5	471	536
16-Jun	2	0	0	29	8	28	2	3	7	0	5	0	8	19	19	475	511
17-Jun	2	0	56	22	101	0	2	4	11	13	0	2	19	56	51	468	497
18-Jun	0	0	42	75	105	22	2	2	4	10	2	2	24	43	79	476	497
19-Jun	0	36	25	0	4	54	39	0	75	92	4	4	30	131	34	481	519
20-Jun	0	0	136	88	114	43	88	5	0	41	2	0	47	161	113	480	507
21-Jun	5	23	56	68	114	150	33	2	0	35	11	7	45	160	97	485	512
22-Jun	6	58	73	54	105	21	0	2	6	41	8	0	34	126	67	487	517
23-Jun	0	14	62	39	55	23	45	42	34	54	14	0	35	113	79	482	500
24-Jun	0	85	130	26	116	5	32	18	30	21	28	2	45	170	60	483	506
25-Jun	0	3	132	95	306	73	0	9	108	29	23	13	71	218	183	483	507
26-Jun	8	31	219	133	92	43	22	19	23	27	24	16	58	92	43	493	514
27-Jun	8	0	203	135	74	5	12	7	21	26	26	18	47	143	70	486	511
28-Jun	0	7	90	82	89	2	47	28	14	95	50	0	46	165	67	485	514
29-Jun	5	43	4	302	114	25	29	2	8	11	0	27	49	214	113	489	510
30-Jun	0	2	3	21	99	35	21	0	0	27	2	39	19	60	51	483	516
1-Jul	6	93	124	88	156	46	7	2	0	23	12	104	50	166	110	489	509
2-Jul	0	8	69	297	243	50	3	3	7	6	4	5	63	224	174	489	508
3-Jul	0	0	73	64	188	45	27	111	18	29	15	0	52	189	131	496	511
4-Jul	2	114	158	140	359	21	36	33	21	64	27	17	89	393	173	496	519
5-Jul	5	14	85	43	202	47	176	37	56	112	20	7	72	303	99	492	514
6-Jul	0	0	13	28	79	72	16	8	8	62	69	6	32	126	53	494	516
7-Jul	2	2	9	64	46	2	12	2	33	14	2	12	17	54	49	495	526
8-Jul	0	31	18	155	60	32	15	0	36	38	0	0	35	128	71	499	518
9-Jul	0	58	54	46	111	0	28	60	110	43	7	26	47	156	113	498	514
10-Jul	19	5	30	76	0	2	26	46	41	2	0	9	22	55	82	499	515
11-Jul	2	15	24	31	9	2	6	32	0	5	4	6	12	32	26	501	526
12-Jul																	
13-Jul																	
Mean Stn Index	2	20	60	70	93	27	23	15	21	29	11	10	Total =	3757 (63%)	2233 (37%)	489	511

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

Figure 1. PMTF Daily Index and inshore catch + escapement (C+E) for 2011-2024. Gray area curve = observed C+E for historical years scaled to the left vertical axis; red columns = observed C+E for 2024. Black lines = respective Daily PMTF Catch Indices for each historical year; the red line = a 3-day moving average of the Daily Catch Index for 2024 based on Stations 2-22 (units for the daily indices are not shown, but all graphs are scaled the same). The green line shown for the 2023 panel reflects the 2024 Daily Catch Index without a moving average. Catch Indices for years prior to 2018 represent the average catch-per-unit-effort (CPUE) across Stations 2-10. Furthermore, a shallower net (6 m deep) was used during 2011-2019; beginning in 2020 the net depth has been 11 m deep. Run timing for C+E was estimated by comparing each year's date when 50% of the run reached inshore to July 4. Blue vertical lines highlight

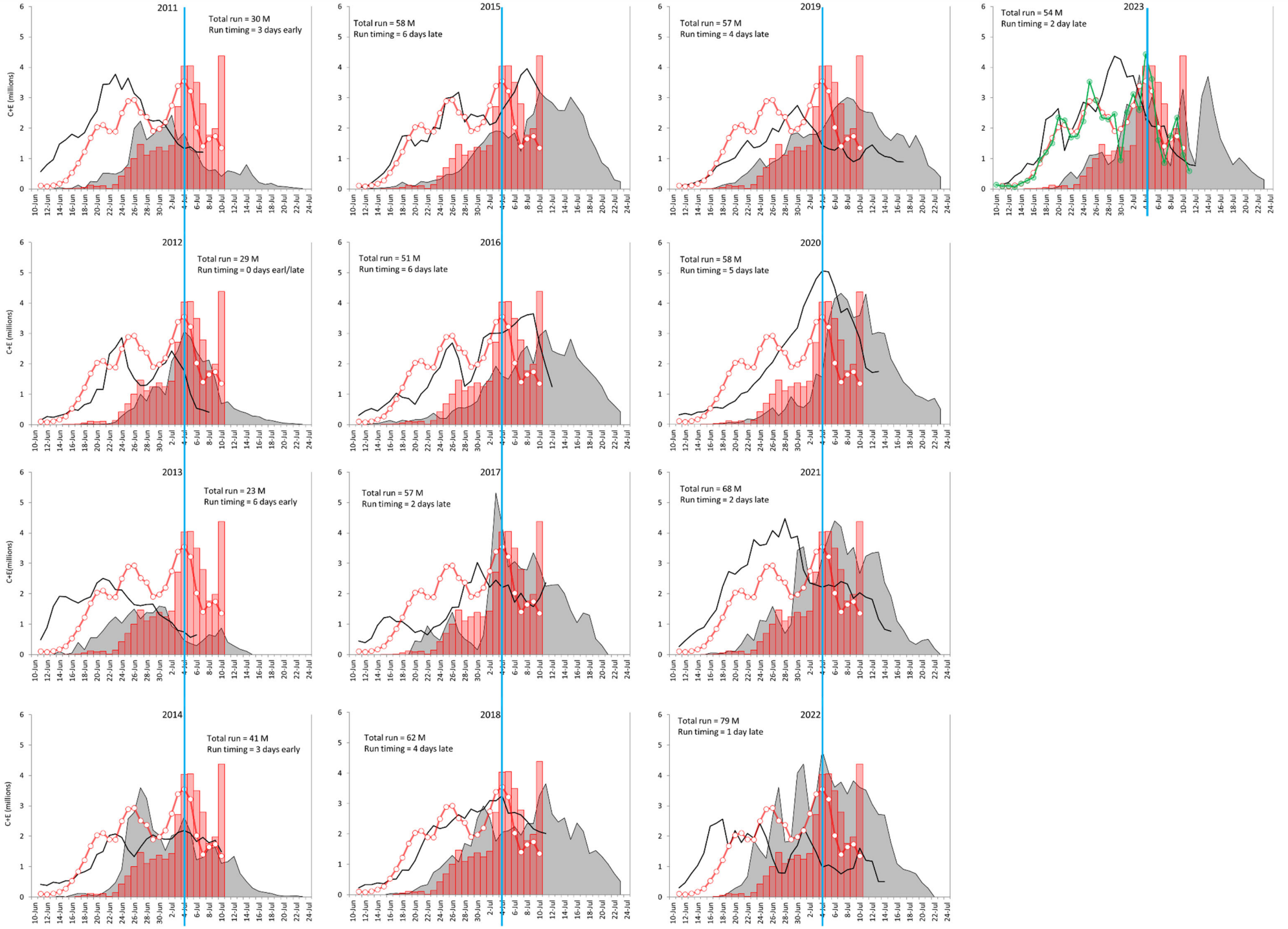


Figure 2. Catch plus escapement by district for 2011-2024. The black vertical line specifies July 4 in each year to facilitate comparisons.

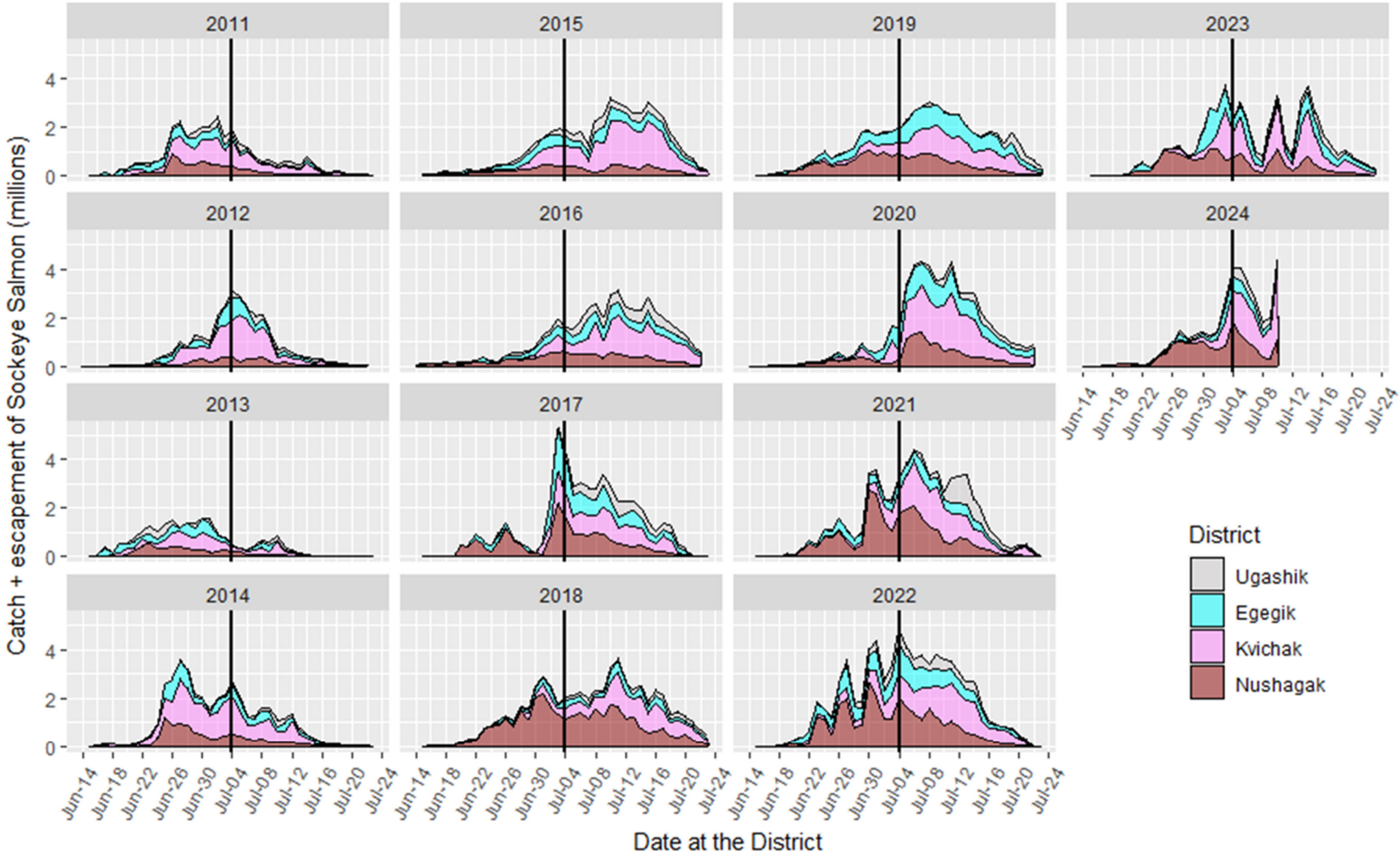
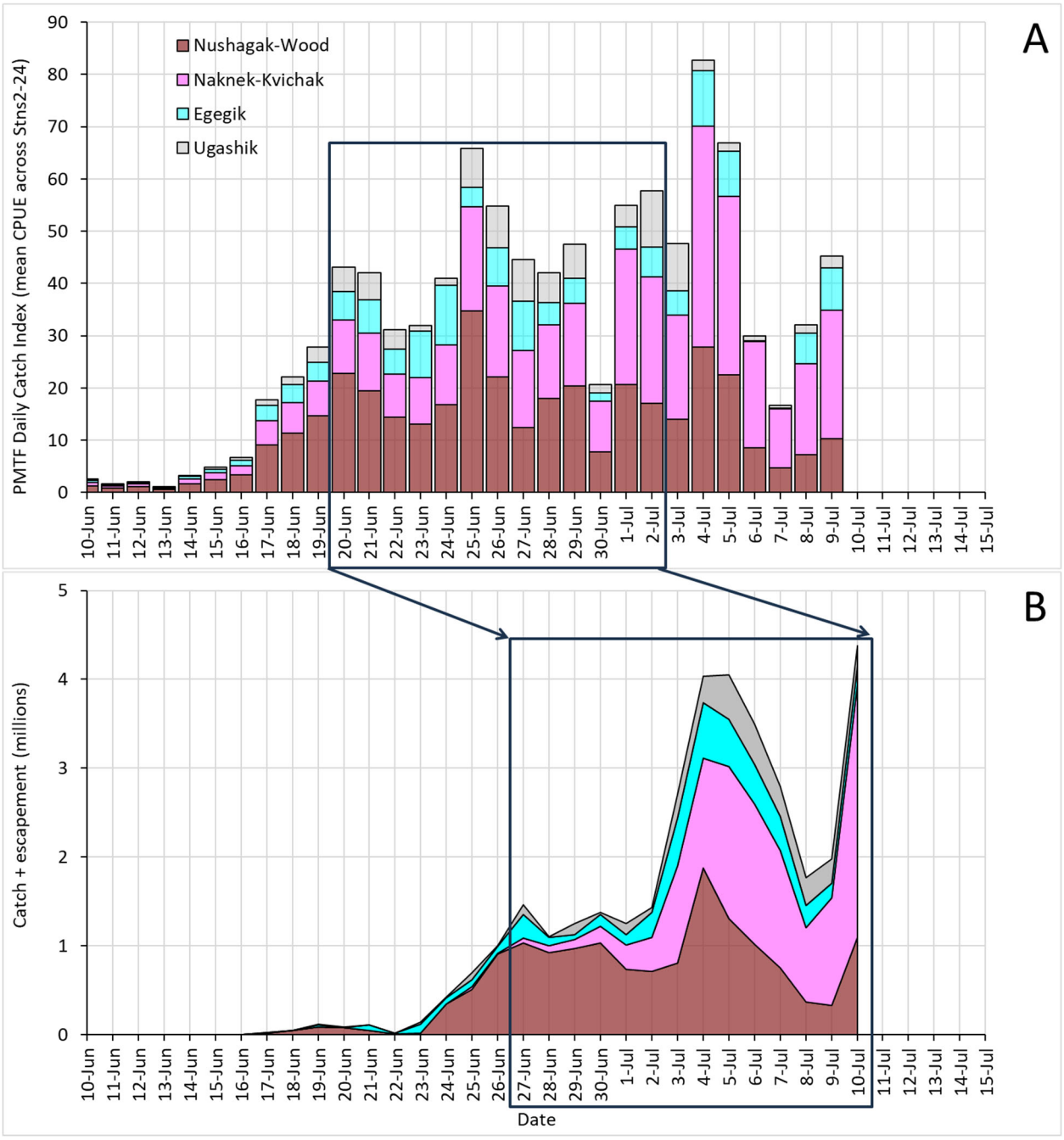


Figure 3. (**A**) The 2024 Port Moller Daily Catch Index (averaged from Stations 2-24) parsed by district based on genetic stock composition estimates. (**B**) Observed C+E parsed by district. District colors are approximations of those used for stocks by ADF&G's gene lab in their stock composition reports.



Scott Raborn

From: Scott Raborn
Sent: Monday, June 10, 2024 10:29 PM
To: Jordan Head
Cc: Michael Link
Subject: PMTF Catch Update #1, June 10, 2024

Hi Everyone,

The crews got off to a good start on their first day of the season covering Stations 2-16. They should be able to cover the entire transect tomorrow.

We will include the typical catch update table and raw data in few days.

PMTF Stock Composition Status: No change in status.

Index by Station

S2: 3
S4: 2
S6: 0
S8: 11
S10: 14
S12: 0
S14: 0
S16: 0

Scott and Jordan

To receive a summary of daily indexes by text message, text just the four letters "PMTF" to 833-612-1053. Be sure to spell PMTF correctly or it won't work. These shorter text updates go out about the time of, or shortly after the email updates go out.

NOTE: If you subscribed for PMTF text summaries last season but are not receiving them, type "unstop" to the same number. That will restart your messages if you used "stop" last season. Unless you do this, texting "PMTF" as described above will not work.

Scott Raborn

From: Scott Raborn
Sent: Tuesday, June 11, 2024 9:51 PM
To: Jordan Head
Cc: Michael Link
Subject: PMTF Catch Update #2, June 11, 2024

Catches were light across the entire transect today. It's still early of course, but to confound interpretation seas were calm (mean=1 ft) and water visibility was high, which may have led to net avoidance. Water temperature was close to average for this point in the season (mean=6° C).

We should get another full coverage of the transect tomorrow.

PMTF Stock Composition Status: No change in status.

Index by Station

S2: 0
S4: 0
S6: 14
S8: 0
S10: 0
S12: 2
S14: 0
S16: 0
S18: 2
S20: 2
S22: 0

Scott and Jordan

To receive a summary of daily indexes by text message, text just the four letters "PMTF" to 833-612-1053. Be sure to spell PMTF correctly or it won't work. These shorter text updates go out about the time of, or shortly after the email updates go out.

NOTE: If you subscribed for PMTF text summaries last season but are not receiving them, type "unstop" to the same number. That will restart your messages if you used "stop" last season. Unless you do this, texting "PMTF" as described above will not work.

Scott Raborn

From: Scott Raborn
Sent: Wednesday, June 12, 2024 8:07 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #3, June 12, 2024

Again, catches were light across the entire transect today despite better fishing conditions (mean sea state=4 ft). I know it is difficult to hurry up and wait, but that's all we can do this early in the season.

PMTF Stock Composition Status: No change in status.

Index by Station

S2: 3
S4: 3
S6: 5
S8: 0
S10: 10
S12: 3
S14: 0
S16: 0
S18: 0
S20: 0
S22: 0
S24: 3

Scott and Jordan

To receive a summary of daily indexes by text message, text just the four letters "PMTF" to 833-612-1053. Be sure to spell PMTF correctly or it won't work. These shorter text updates go out about the time of, or shortly after the email updates go out.

NOTE: If you subscribed for PMTF text summaries last season but are not receiving them, type "unstop" to the same number. That will restart your messages if you used "stop" last season. Unless you do this, texting "PMTF" as described above will not work.

Scott Raborn

From: Scott Raborn
Sent: Thursday, June 13, 2024 10:26 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #4, June 13, 2024

Here is tonight's update. The slow start to the season remains in effect.

PMTF Stock Composition Status: No change in status.

Index by Station

S2: 3
S4: 0
S6: 0
S8: 0
S10: 3
S12: 0
S14: 4
S16: 0
S18: 2
S20: 0
S22: 3
S24: 0

Scott and Jordan

To receive a summary of daily indexes by text message, text just the four letters "PMTF" to 833-612-1053. Be sure to spell PMTF correctly or it won't work. These shorter text updates go out about the time of, or shortly after the email updates go out.

NOTE: If you subscribed for PMTF text summaries last season but are not receiving them, type "unstop" to the same number. That will restart your messages if you used "stop" last season. Unless you do this, texting "PMTF" as described above will not work.

Scott Raborn

From: Scott Raborn
Sent: Friday, June 14, 2024 9:20 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #5, June 14, 2024

Here is tonight's update. We will include the catch update table, as well as those from recent years tomorrow.

PMTF Stock Composition Status: No change in status.

Index by Station

S2: 0
S4: 0
S6: 8
S8: 8
S10: 0
S12: 22
S14: 0
S16: 0
S18: 3
S20: 0
S22: 0
S24: 0

Daily Catch Index=4

Scott and Jordan

From: Scott Raborn
To: Jordan Head
Cc: Michael Link; Jordan Head
Subject: PMTF Catch Update #6, June 15, 2024
Date: Saturday, June 15, 2024 8:12:27 PM
Attachments: PMTF Catch Update #6, June 15, 2024.pdf
PMTF_RawData - June 15 2024.pdf
FinalCatchUpdateTables_2018-2023.pdf

Hi Everyone,

Please find aached today's catch update table, as well as the raw data. We have also included the final catch update tables for 2018-2023 to facilitate comparison with previous years.

It may seem like a slow start, and maybe it is, but the weather has not been very conducive for catching fish in a gillnet. Little wind has created near dead calm seas facilitating high water visibility, which as we've said may cause net avoidance. Then again, this year's preseason forecast is a little lighter than in previous years. If it's accurate and the run is not extremely early, then Port Moller catches thus far are as expected.

PMTF Stock Composition Status: No change in status. Not enough samples have been collected thus far.

Index by Station

S2: 0
S4: 0
S6: 0
S8: 29
S10: 6
S12: 7
S14: 0
S16: 2
S18: 0
S20: 15
S22: 0
S24: 0

Daily Catch Index=5

Scott and Jordan

2018	Daily Catch Index by Station (catch from the 200 fathom net if it had fished for 1 hr)											For comparison w/ prev years	Best for assessing entry pattern this year	Raw catches		Mean Length (mm)	
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	Mean Daily Catch Index (Stns 2-10)	Mean Daily Catch Index (Stns 2-22)	4½" mesh	5⅛" mesh	4½" mesh	5⅛" mesh
10-Jun	0	0	0	0	9	14	0	0	2	1	1	2	3	6	4	479	521
11-Jun	0	0	8	48	3	8	0	0	3	2	1	12	7	5	22	411	529
12-Jun	0	0	0	5	14	5	7	8	5	3	2	4	4	10	5	494	543
13-Jun	0	5	0	31	0	40	5	3	7	5	3	7	9	26	7	508	509
14-Jun	0	0	0	0	0	13	8	27	10	7	4	0	6	4	14	475	528
15-Jun	15	1	6	11	13	15	20	0	5	0	6	9	8	8	4	514	509
16-Jun	3	27	0	0	3	20	12	14	0	0	0	7	7	29	11	493	529
17-Jun	0	31	16	16	10	72	6	0	0	0	10	15	15	45	32	509	521
18-Jun	0	10	7	9	0	24	10	14	7	5	13	5	9	34	17	508	533
19-Jun	19	4	17	41	7	0	31	37	38	68	16	18	25	55	64	505	529
20-Jun	0	0	9	33	0	18	0	34	47	10	3	8	14	52	40	502	528
21-Jun	0	0	13	11	22	43	60	107	33	13	3	9	28	78	71	510	531
22-Jun	0	11	110	25	85	34	62	79	139	26	9	46	53	157	105	507	532
23-Jun	23	6	11	26	29	40	137	48	52	49	36	19	41	66	49	527	535
24-Jun	24	3	15	35	38	30	55	91	76	55	41	23	42	65	65	515	541
25-Jun	25	2	52	17	3	21	130	98	63	61	47	20	47	55	70	518	537
26-Jun	26	9	111	0	3	16	75	60	69	68	52	30	44	30	58	512	529
27-Jun	27	11	199	3	23	54	19	64	74	73	57	53	55	70	64	502	533
28-Jun	28	3	166	3	6	70	87	63	79	78	62	41	59	83	75	509	525
29-Jun	9	3	46	17	20	16	60	9	83	83	65	19	37	31	35	512	527
30-Jun	30	0	103	132	65	78	65	125	51	86	68	66	73	145	101	508	524
1-Jul	1	3	89	68	17	52	48	57	89	88	70	35	53	84	43	518	527
2-Jul	2	9	31	55	15	43	29	34	91	90	71	22	43	48	31	498	500
3-Jul	3	6	34	70	129	319	150	35	91	89	70	49	91	162	184	512	536
4-Jul	4	0	63	70	44	44	17	84	91	87	68	36	52	82	47	523	538
5-Jul	5	13	78	20	9	41	94	84	88	84	65	25	53	58	59	519	539
6-Jul	6	3	21	22	76	125	51	44	132	79	60	26	56	109	73	512	530
7-Jul	8	24	20	48	61	68	73	78	78	72	54	32	53	7	6	527	559
8-Jul	8	3	20	46	60	66	70	72	71	64	48	27	48				
9-Jul	9	3	18	43	56	62	65	65	63	55	41	26	44				
10-Jul	10	2	17	39	51	57	58	57	54	46	33	24	39				
11-Jul	11	2	50	55	110	40	34	76	20	37	27	45	42	77	67	521	535
Mean Stn Index	9	6	42	31	31	48	48	49	53	46	35			1681 (54%)	1423 (46%)	511	531

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

Net depth = 6 m
Total inshore run = 62.3 million
Run timing = 4 days late
Age composition – A1.2 = 58%
A1.3 = 37%
A2.2 = 1%
A2.3 = 3%

2019	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)											Mean Daily Catch Index		Raw catches		Mean Length (mm)	
												Best for comparison w/ prev years	Best for assessing entry pattern this year				
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	(Stns 2-10)	(Stns 2-22)	4½" mesh	5⅛" mesh	4½" mesh	5⅛" mesh
10-Jun	15	3	0	13	2	0	0	2	1	1	0	7	3	4	9	504	541
11-Jun	0	0	0	8	0	10	0	10	2	1	1	2	3	8	3	486	526
12-Jun	0	5	0	0	0	0	0	3	2	1	1	1	1	0	2		502
13-Jun	2	2	0	12	9	0	5	4	3	2	1	5	4	0	10		509
14-Jun	1	1	1	13	13	8	7	5	4	3	2	6	5				
15-Jun	0	0	2	13	17	5	2	7	5	4	3	6	5	9	7	453	493
16-Jun	0	2	10	21	32	2	0	9	7	5	4	13	9	18	12	485	506
17-Jun	0	0	5	67	22	17	7	11	9	7	5	19	14	28	23	481	511
18-Jun	3	8	18	26	36	22	55	38	12	9	7	18	21	50	16	483	520
19-Jun	4	10	22	20	22	24	21	18	15	12	9	15	16	17	9	491	499
20-Jun	2	5	69	29	21	19	5	0	34	0	12	25	18	54	58	489	502
21-Jun	12	19	32	24	13	57	32	18	11	18	68	20	28	84	76	495	526
22-Jun	12	39	68	39	25	100	16	16	0	43	24	36	35	83	98	494	519
23-Jun	2	23	30	60	75	62	2	3	86	8	14	38	33	80	83	497	526
24-Jun	0	0	5	17	45	7	2	5	46	20	0	13	13	39	22	512	519
25-Jun	16	5	72	62	79	44	10	20	14	62	26	47	37	105	99	490	514
26-Jun	2	49	8	64	60	36	29	47	108	38	33	37	43	67	114	505	527
27-Jun	10	14	9	2	7	18	53	82	139	43	55	8	39	75	126	514	536
28-Jun	5	5	45	34	79	20	30	29	38	34	20	33	31	99	89	514	528
29-Jun	30	7	41	161	75	79	89	55	122	65	29	63	68	177	194	511	533
30-Jun	0	5	34	51	98	23	69	85	78	60	60	38	51	170	117	515	533
1-Jul	0	60	5	24	33	42	52	166	93	16	7	24	45	119	123	519	532
2-Jul	2	110	5	74	97	41	18	37	54	58	9	58	46	109	112	513	525
3-Jul	4	34	28	12	0	58	57	57	54	49	43	16	36	38	25	515	526
4-Jul	0	14	49	8	15	53	14	13	48	80	42	17	31	70	59	511	537
5-Jul	0	0	30	18	30	9	0	27	74	9	20	16	20	58	42	473	532
6-Jul	0	14	19	42	14	14	75	38	70	23	10	18	29	84	61	524	533
7-Jul	5	0	5	2	18	34	26	32	130	14	34	6	27	66	60	520	534
8-Jul	0	11	88	84	53	25	15	0	26	13	10	47	30	78	67	518	541
9-Jul	0	7	0	0	5	5	2	10	18	24	0	2	7	15	18	497	518
10-Jul	5	15	28	35	41	44	2	4	11	6	0	25	17	23	28	508	528
11-Jul	0	64	18	35	82	41	40	35	29	24	21	40	35	96	40	505	525
12-Jul	5	12	26	33	39	40	36	31	25	21	18	23	26	2	4	508	551
13-Jul	4	4	36	10	62	50	33	27	22	18	15	23	25	57	39	510	527
14-Jul	4	14	24	29	35	34	21	10	0	29	20	21	20	27	22	519	537
15-Jul	4	13	22	27	32	30	25	17	11	17	10	20	19	20	5	512	531
16-Jul	4	7	17	26	60	69	22	17	13	10	8	23	23	55	38	511	521
17-Jul	3	12	8	10	25	23	18	14	10	8	6	12	13	8	8	524	536
Mean Stn Index	4	16	24	33	36	30	24	28	41	23	18		Total =	1982 (52%)	1845 (48%)	507	527

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

Net depth = 6 m

Total inshore run = 56.5 million

Run timing = 4 days late

Age composition – A1.2 = 62%

A1.3 = 33%

A2.2 = 4%

A2.3 = 1%

2020	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)											Mean Daily Catch Index		Raw catches		Mean Length (mm)	
												Best for comparison w/ prev years	Best for assessing entry pattern this year				
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	(Stns 2-10)	(Stns 2-22)	4½" mesh	5⅛" mesh	4½" mesh	5⅛" mesh
10-Jun	3	4	7	11	14	13	8	4	2	1	1	8	6				
11-Jun	3	4	7	11	15	14	9	4	2	1	1	8	7				
12-Jun	2	0	0	0	60	3	0	0	3	2	1	12	6	27	0	491	
13-Jun	3	4	0	0	60	11	4	13	0	2	1	13	9	15	18	478	495
14-Jun	3	0	2	0	0	5	23	2	3	2	1	1	4	8	5	515	510
15-Jun	5	0	0	44	8	5	48	7	4	2	2	11	11	15	30	487	512
16-Jun	3	5	9	16	22	22	15	8	5	3	2	11	10				
17-Jun	3	10	10	23	13	24	17	10	6	4	3	12	11	12	6	466	508
18-Jun	3	6	12	21	28	26	18	11	7	5	4	14	13				
19-Jun	3	7	13	19	2	16	0	19	0	7	5	9	8	16	9	491	496
20-Jun	0	0	2	51	63	34	4	35	4	9	7	23	19	106	36	496	512
21-Jun	3	7	17	32	42	36	24	16	13	11	9	20	19				
22-Jun	3	7	19	18	98	17	27	19	16	14	12	29	23	15	42	505	523
23-Jun	2	6	23	37	87	25	19	19	14	1	16	31	23	96	68	495	522
24-Jun	3	2	8	31	108	47	2	37	75	41	23	31	34	87	123	503	527
25-Jun	0	12	2	34	70	110	33	18	4	3	88	24	34	123	64	502	522
26-Jun	4	11	31	59	72	60	46	41	44	45	38	35	41				
27-Jun	5	14	36	65	75	62	51	51	58	61	49	39	48				
28-Jun	6	17	43	72	76	63	55	60	74	80	62	43	55				
29-Jun	8	22	52	80	78	73	22	73	43	101	76	48	57	44	49	512	529
30-Jun	9	27	14	90	84	30	23	156	94	84	89	45	64	126	160	513	525
1-Jul	11	34	19	96	76	40	68	81	119	135	99	47	71	70	57	509	527
2-Jul	13	40	92	265	81	36	65	71	184	70	168	98	99	278	133	512	528
3-Jul	14	10	133	198	6	30	41	91	147	336	0	72	92	259	190	512	523
4-Jul	0	16	393	82	62	43	25	87	151	219	0	111	98	293	306	532	542
5-Jul	8	23	44	138	291	80	5	156	110	317	86	101	114	218	206	525	549
6-Jul	15	51	134	175	122	73	60	76	103	106	74	99	90				
7-Jul	14	48	127	45	113	66	58	3	169	23	63	69	66	69	80	511	525
8-Jul	3	22	52	187	80	97	0	65	82	79	54	69	65	76	95	510	535
9-Jul	10	167	205	44	250	77	81	58	72	68	47	135	98	173	161	508	525
10-Jul	10	0	23	27	117	14	21	51	63	59	41	35	39	32	30	516	529
11-Jul	9	25	54	32	3	23	38	32	19	94	37	24	33	25	44	498	129
12-Jul	8	20	32	7	108	13	37	18	120	44	32	35	40	129	28	510	451
13-Jul	0	9	57	37	33	28	28	33	40	38	28	27	30	6	25	487	527
Mean Stn Index	6	19	49	60	71	39	29	42	54	61	36		Total =	2318 (54%)	1965 (46%)	512	520

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

Net depth = 11 m
Total inshore run = 58.2 million
Run timing = 5 days late
Age composition – A1.2 = 34%
A1.3 = 61%
A2.2 = 4%
A2.3 = 1%

2021	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)											Mean Daily Catch Index		Raw catches		Mean Length (mm)	
												Best for comparison w/ prev years	Best for assessing entry pattern this year				
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	(Stns 2-10)	(Stns 2-22)	4½" mesh	5⅛" mesh	4½" mesh	5⅛" mesh
10-Jun	2	3	6	8	8	6	4	2	2	1	1	5	4				
11-Jun	0	4	4	17	12	8	5	3	2	1	1	7	5	9	3	509	475
12-Jun	0	6	0	28	18	8	6	3	2	2	1	10	7	13	8	480	499
13-Jun	9	2	58	55	21	0	10	3	7	4	2	29	16	68	22	482	498
14-Jun	3	4	4	2	148	2	0	0	6	0	5	32	16	69	27	478	525
15-Jun	3	8	20	94	52	4	0	0	0	0	0	35	16	21	53	479	495
16-Jun	0	0	0	0	117	62	20	13	10	7	4	23	21	34	65	474	514
17-Jun	2	10	0	64	154	0	77	32	24	15	6	46	35	127	103	491	503
18-Jun	19	0	21	58	50	63	41	21	37	36	10	30	32	83	94	493	515
19-Jun	7	5	41	5	389	173	50	33	26	2	2	90	67	296	153	489	498
20-Jun	0	0	104	252	201	86	21	8	34	0	4	111	65	216	149	479	498
21-Jun	0	7	52	3	21	2	45	13	93	38	28	16	27	76	79	499	520
22-Jun	0	26	89	94	112	76	160	120	69	110	6	64	78	222	169	488	515
23-Jun	9	18	40	85	135	147	124	98	70	41	20	57	72				
24-Jun	10	20	42	86	138	156	138	108	76	45	23	59	77				
25-Jun	2	0	18	19	96	146	84	183	114	48	25	27	67	190	154	492	518
26-Jun	70	4	27	23	106	168	31	148	242	0	0	46	74	262	108	500	523
27-Jun	0	0	2	192	393	148	53	222	45	52	28	117	103	333	378	498	511
28-Jun	18	9	37	186	30	19	89	36	144	30	0	56	54	146	133	504	516
29-Jun	10	23	49	90	461	335	52	62	53	54	28	127	111	407	208	498	509
30-Jun	9	22	49	91	124	120	96	74	56	40	27	59	64				
1-Jul	8	21	48	90	116	107	81	62	48	36	25	57	58				
2-Jul	0	28	4	272	69	37	41	0	0	13	24	75	44	97	105	492	515
3-Jul	22	7	15	129	120	0	0	23	67	34	4	59	38	53	97	503	523
4-Jul	0	4	0	130	202	16	10	112	38	55	37	67	55	148	80	503	527
5-Jul	6	16	42	83	101	79	7	10	75	0	19	49	40	10	21	524	531
6-Jul	5	15	40	83	102	78	49	33	26	22	18	49	43				
7-Jul	5	14	40	163	60	159	34	55	0	21	17	56	52	111	103	501	521
8-Jul	3	0	0	284	67	45	39	32	38	24	16	71	50	148	82	500	521
9-Jul	5	13	39	82	96	67	39	25	20	18	15	47	38				
10-Jul	5	13	0	25	114	27	14	25	14	4	14	31	23	54	26	508	524
11-Jul	5	1	0	404	135	38	16	29	18	10	12	109	61	137	126	497	521
12-Jul	5	12	32	142	45	12	39	0	13	12	11	47	29	53	37	490	522
13-Jul	4	11	25	81	16	19	8	13	11	11	10	27	19	31	29	494	530
14-Jul	8	0	30	60	78	11	14	10	9	9	8	35	22	44	24	506	517
15-Jul	4	9	21	13	8	0	0	11	28	0	7	11	9	12	19	491	526
Mean Stn Index	7	9	28	97	114	67	42	45	42	22	13		Total =	3470 (57%)	2655 (43%)	494	514

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

Net depth = 11 m

Total inshore run = 67.7 million

Run timing = 2 days late

Age composition – A1.2 = 63%

A1.3 = 26%

A2.2 = 7%

A2.3 = 3%

2022	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)											Mean Daily Catch Index		Raw catches		Mean Length (mm)	
												Best for comparison w/ prev years	Best for assessing entry pattern this year				
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	(Stns 2-10)	(Stns 2-22)	4½" mesh	5⅛" mesh	4½" mesh	5⅛" mesh
10-Jun	1	2	5	8	10	2	32	0	2	0	0	5	6	14	5	498	562
11-Jun	1	2	7	0	0	79	2	4	0	2	1	2	9	1	53	501	527
12-Jun	0	2	8	7	0	16	2	0	4	2	0	3	4	8	14	529	528
13-Jun	2	0	87	19	2	44	0	7	2	0	8	22	16	58	91	514	531
14-Jun	3	0	2	52	70	134	38	0	0	0	1	25	27	73	94	514	524
15-Jun	3	0	13	42	0	74	65	0	10	0	1	12	19	49	37	501	521
16-Jun	4	0	0	82	247	100	0	0	4	3	2	67	40	117	143	497	523
17-Jun	4	15	323	118	114	213	75	15	7	3	2	115	81	233	220	513	534
18-Jun	0	3	27	36	156	41	0	0	0	2	4	44	24	45	74	504	518
19-Jun	0	5	0	252	194	24	0	48	4	0	3	90	48	125	148	507	532
20-Jun	6	7	111	16	47	0	3	46	2	10	4	37	23	86	35	505	533
21-Jun	6	40	204	45	120	48	6	63	120	3	6	83	60	149	159	505	534
22-Jun	8	0	50	41	4	26	18	38	84	0	0	20	24	85	28	519	530
23-Jun	30	0	155	62	4	25	31	0	9	125	8	50	41	94	128	520	529
24-Jun	0	0	123	238	16	92	7	75	0	0	7	75	51	109	152	513	535
25-Jun	9	3	81	261	32	25	0	96	54	22	6	77	54	115	120	516	536
26-Jun	3	0	0	8	3	0	3	56	51	18	4	3	13	3	1	488	533
27-Jun	0	0	8	4	4	0	0	82	3	0	3	3	10	23	15	515	526
28-Jun	0	5	3	45	2	4	0	116	90	0	13	11	25	58	69	521	531
29-Jun	0	3	3	0	0	0	0	113	18	0	0	1	12	31	29	528	529
30-Jun	3	8	0	3	16	0	198	198	38	42	4	6	46	111	141	514	534
1-Jul	0	5	31	2	55	0	0	344	3	30	5	19	43	118	130	516	527
2-Jul	8	36	62	0	2	0	25	237	141	17	0	22	48	162	136	524	525
3-Jul	0	3	0	0	0	0	0	170	27	23	8	1	21	82	58	513	531
4-Jul	0	7	18	0	0	0	0	31	131	16	8	5	19	49	54	511	520
5-Jul	7	4	19	0	0	0	0	18	102	50	8	6	19	58	30	514	520
6-Jul	3	0	0	10	0	9	32	71	68	78	10	3	26	51	89	513	516
7-Jul	3	5	2	12	25	5	32	15	21	0	9	9	12	33	31	515	524
8-Jul	16	8	6	0	13	3	34	4	0	0	8	9	8	24	15	512	531
9-Jul	46	10	2	16	73	9	68	21	104	14	8	29	34	105	100	516	529
10-Jul	18	0	3	10	30	27	32	14	24	3	0	12	15	48	39	517	527
11-Jul	209	0	29	116	21	35	19	20	58	11	11	75	48	121	162	518	526
12-Jul	0	6	13	30	32	8	0	14	0	4	3	16	10	32	21	513	536
13-Jul	25	22	23	21	17	7	12	0	4	3	2	22	12	12	7	500	527
14-Jul	6	11	0	35	14	8	6	4	2	1	1	13	8	21	9	521	534
Mean Stn Index	12	6	40	45	38	30	21	55	34	14	4		Total =	2503 (49%)	2637 (51%)	513	529

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

Net depth = 11 m

Total inshore run = 79 million

Run timing = 1 day late

Age composition – A1.2 = 33%

A1.3 = 50%

A2.2 = 15%

A2.3 = 2%

2023	Daily Catch Index by Station (Est. catch from the 200 fathom net if it had fished for 1 hr)												Mean Daily Catch Index Avg. Indices Across Stations	Raw catches		Mean Length (mm)	
Date	S2	S4	S6	S8	S10	S12	S14	S16	S18	S20	S22	S24	(Stns 2-22)	4½" mesh	5⅛" mesh	4½" mesh	5⅛" mesh
10-Jun	0	1	2	3	4	3	2	1	1	0	0	0	2				
11-Jun	0	2	4	6	6	5	3	2	0	0	0	0	3	0	0		
12-Jun	0	4	7	10	6	7	4	2	9	0	0	0	4	9	9	513	538
13-Jun	2	2	8	5	16	30	0	0	0	0	0	0	6	9	25	529	544
14-Jun	4	0	18	17	124	0	5	0	2	0	0	0	15	53	39	531	540
15-Jun	0	41	84	2	0	0	2	0	0	0	0	0	12	18	54	523	546
16-Jun	0	99	20	70	38	18	8	0	0	0	1	0	23	41	30	516	550
17-Jun	9	115	0	2	6	0	2	0	4	1	0	0	13	8	71	519	548
18-Jun	0	45	0	82	156	0	0	0	13	0	0	0	27	138	39	540	546
19-Jun	0	265	282	227	158	139	0	0	0	1	0	0	97	298	364	527	551
20-Jun	0	62	62	75	22	0	5	2	0	1	0	0	21	32	74	530	546
21-Jun	0	62	290	60	23	0	0	0	7	1	1	0	40	101	167	530	549
22-Jun	0	47	10	88	16	2	0	0	0	1	1	0	15	30	50	523	554
23-Jun	0	162	69	103	108	162	0	5	2	0	8	2	56	151	141	536	541
24-Jun	2	223	100	216	25	132	6	0	8	0	8	2	65	125	257	539	546
25-Jun	23	111	151	128	53	45	0	23	7	2	0	1	49	156	132	537	552
26-Jun	0	251	166	16	66	43	12	5	0	0	2	1	51	148	153	536	556
27-Jun	5	123	124	39	175	44	58	0	0	4	2	1	52	146	111	533	547
28-Jun	0	305	292	159	53	57	47	0	0	5	3	1	84	174	283	527	550
29-Jun	0	214	143	209	306	145	47	5	0	0	3	2	97	293	222	533	551
30-Jun	0	34	284	243	71	94	126	10	14	8	4	2	81	230	175	532	547
1-Jul	9	58	184	246	170	86	44	25	16	10	5	3	78				
2-Jul	6	62	193	133	263	9	5	0	0	12	7	3	63	185	196	534	549
3-Jul	0	19	166	217	269	72	0	43	5	66	58	15	83	227	224	530	549
4-Jul	0	46	35	48	93	74	41	29	23	18	10	5	38	59	44	532	546
5-Jul	4	0	35	47	11	35	77	36	2	23	0	6	25	44	88	537	547
6-Jul	0	0	111	128	210	118	21	64	0	8	14	7	61	152	187	535	547
7-Jul	5	21	133	64	46	14	49	0	0	0	67	7	36	116	83	540	543
8-Jul	2	11	28	72	61	34	2	82	2	0	0	8	27	44	36	524	545
9-Jul	2	2	21	19	76	28	16	13	0	15	12	7	19	29	50	541	543
10-Jul	2	5	71	31	46	32	0	2	0	40	0	0	21	36	65	523	546
11-Jul	7	0	94	53	0	17	2	0	5	13	6	15	18	56	45	533	539
12-Jul	0	0	9	43	29	9	2	4	7	0	0	6	9	12	38	513	532
13-Jul	7	2	10	22	104	5	0	4	5	9	40	5	19	44	54	538	542
Mean Stn Index	3	70	94	85	83	43	17	10	4	7	7	3	Total =	3164 (47%)	3506 (53%)	532	548

Red index values were estimated with a statistical model built upon the observed pattern across catch indices to date; thus, these values are subject to change as the season progresses.

Net depth = 11 m

Total inshore run = 55 million

Run timing = 2 days late

Age composition – A1.2 = 14%

A1.3 = 58%

A2.2 = 5%

A2.3 = 22%

Scott Raborn

From: Scott Raborn
Sent: Sunday, June 16, 2024 6:47 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #7, June 16, 2024
Attachments: PMTF Catch Update #7, June 16, 2024.pdf; PMTF_RawData - June 16 2024.pdf

Please find attached today's catch update table, as well as the raw data. We will interpolate for missing stations tomorrow.

PMTF Stock Composition Status: No change in status. The boats will be fishing apart tomorrow, then towards each other on Tuesday. Hopefully, we will have enough genetic samples for our first stock composition estimate by then. Exactly which days will make up that estimate remains to be determined.

Index by Station

S2: Not fished
S4: 0
S6: 0
S8: 29
S10: 8
S12: 28
S14: 2
S16: 3
S18: 7
S20: 0
S22: 5
S24: 0

Daily Catch Index=8

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Monday, June 17, 2024 7:42 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #8, June 17, 2024
Attachments: PMTF Catch Update #8, June 17, 2024.pdf; PMTF_RawData - June 17 2024.pdf

Please find attached today's catch update table, as well as the raw data. Finally, a stronger signal appeared today but still in keeping with the preseason forecast and a run timing close to average. We should have enough samples after tomorrow to estimate the average weight of an individual Sockeye caught in the test fishery.

PMTF Stock Composition Status: Today's effort resulted in genetic samples from 107 fish. We should have enough by the end of tomorrow for our first stock composition estimate of the year. Again, the dates this estimate will cover and the timing of its release remains to be determined.

Index by Station

S2: Not fished
S4: 0
S6: 56
S8: 22
S10: 101
S12: 0
S14: 2
S16: 4
S18: 11
S20: 13
S22: 0
S24: 2

Daily Catch Index=19

Scott and Jordan

To receive a summary of daily indexes by text message, text just the four letters "PMTF" to 833-612-1053. Be sure to spell PMTF correctly or it won't work. These shorter text updates go out about the time of, or shortly after the email updates go out.

NOTE: If you subscribed for PMTF text summaries last season but are not receiving them, type "unstop" to the same number. That will restart your messages if you used "stop" last season. Unless you do this, texting "PMTF" as described above will not work.

Scott Raborn

From: Scott Raborn
Sent: Tuesday, June 18, 2024 6:29 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #8, June 17, 2024
Attachments: PMTF Catch Update #9, June 18, 2024.pdf; PMTF_RawData - June 18 2024.pdf

Please find attached today's catch update table, as well as the raw data. Marine mammal presence these past few days has prevented setting at Station 2. They were able to set at Station 3 today, which we will use in lieu of Station 2.

PMTF Stock Composition Status: The crews will come together and transfer genetic samples to the onboard gene lab. The first stock composition will cover June 17-18 and could be released late tomorrow if all goes well (June 19).

Index by Station

S2: Not fished.
S3: 0
S4: 0
S6: 42
S8: 75
S10: 105
S12: 22
S14: 2
S16: 2
S18: 4
S20: 10
S22: 2
S24: 2

Daily Catch Index=24

Scott and Jordan

To receive a summary of daily indexes by text message, text just the four letters "PMTF" to 833-612-1053. Be sure to spell PMTF correctly or it won't work. These shorter text updates go out about the time of, or shortly after the email updates go out.

NOTE: If you subscribed for PMTF text summaries last season but are not receiving them, type "unstop" to the same number. That will restart your messages if you used "stop" last season. Unless you do this, texting "PMTF" as described above will not work.

Scott Raborn

From: Scott Raborn
Sent: Wednesday, June 19, 2024 9:54 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #10, June 19, 2024
Attachments: PMTF Catch Update #10, June 19, 2024.pdf; PMTF_RawData - June 19 2024.pdf

Please find attached today's catch update table, as well as the raw data.

We need a few more samples to provide an estimate of average individual weight for Sockeye at Port Moller. That sample size should be achieved after tomorrow's data come in.

The R/V *Ocean Cat* was able to set at Station 2 today before marine mammals cut the set short (note the shorter mean fishing time in the raw data file). Our best guess is that they are Pacific White Sided Dolphins. We will confirm that as soon as possible.

The run continues to build at Port Moller. …nothing profound there. Stronger catches at the outer stations today are motivating. Stock composition estimates from today and tomorrow versus June 17-18 could be interesting.

Note the 60:40 split between the smaller versus larger mesh. Very indicative of a 2-ocean dominated run thus far.

PMTF Stock Composition Status: The first stock composition covering June 17-18 will be released tomorrow.

Index by Station

S2: 0
S4: 36
S6: 25
S8: 0
S10: 4
S12: 54
S14: 39
S16: 0
S18: 75
S20: 92
S22: 4
S24: 4

Daily Catch Index=30

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Thursday, June 20, 2024 9:40 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #11, June 20, 2024
Attachments: PMTF Catch Update #11, June 20, 2024.pdf; PMTF_RawData - June 20 2024.pdf

Please find attached today's catch update table, as well as the raw data. We added a figure below the catch update table (see attached) showing the weight-length relationship for samples taken thus far. The average weight of a Sockeye caught in the test net through this date was 4.6 lbs (samples from both meshes combined).

We confirmed that the marine mammals at Station 2 in recent days were Pacific White Sided Dolphins.

Also, note the R/V Miss Leona fished all the way out to Station 26 yesterday, though I sent the update before it was reported (June 19, Station 26 Index=2). The crews are doing an outstanding job this year covering the entire test fishing transect (as they have the previous two years)!

The Daily Catch Index continues to build. The strong Kvichak stock signal from the first stock composition released earlier today was interesting. However, that signal for the Kvichak will need to remain strong before more inference can be drawn.

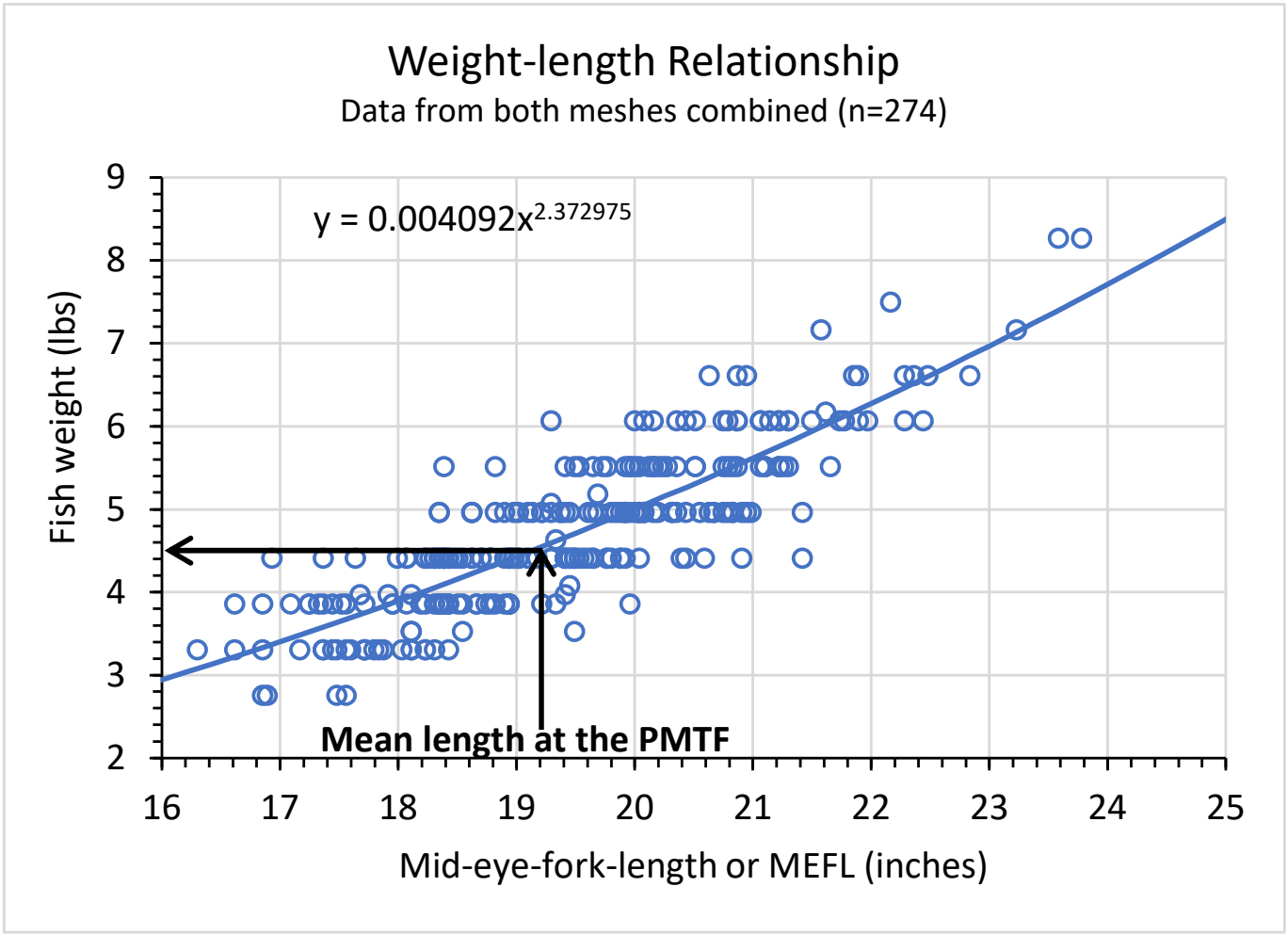
PMTF Stock Composition Status: The 2nd stock composition covering June 19-20 could be released late tomorrow (Saturday morning if there are delays due sample processing or analysis).

Index by Station

S2: 0
S4: 0
S6: 136
S8: 88
S10: 114
S12: 43
S14: 88
S16: 5
S18: 0
S20: 41
S22: 2
S24: 0

Daily Catch Index=47

Scott and Jordan


Weight-length Relationship
Data from both meshes combined (n=274)
y = 0.004092x2.372975
Fish weight (lbs)
Mid-eye-fork-length or MEFL (inches)
Mean length at the PMTF
9
8
7
6
5
4
3
2
16
17
18
19
20
21
22
23
24
25

Scott Raborn

From: Scott Raborn
Sent: Friday, June 21, 2024 6:58 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #12, June 21, 2024
Attachments: PMTF Catch Update #12, June 21, 2024.pdf; PMTF_RawData - June 21 2024.pdf

Please find attached today's catch update table, as well as the raw data. We added a figure below the catch update table (see attached) showing the percent of fish caught thus far at the PMTF in the 4½ inch mesh. This metric seems to stabilize around this point in the season based on recent years. Note that this year is most like 2021, which produced a 70% 2-ocean dominated run.

The Daily Catch Index was similar to yesterday.

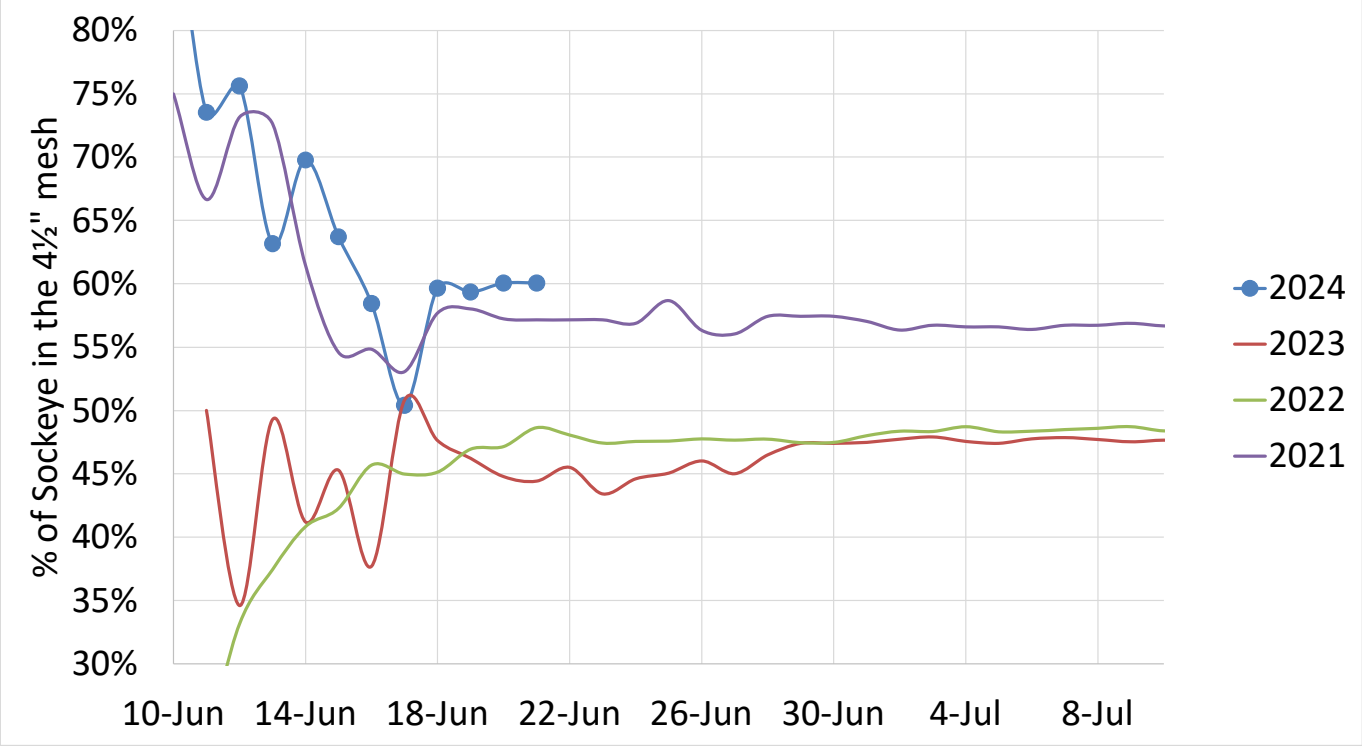
PMTF Stock Composition Status: The 2nd stock composition covering June 19-20 will be released tonight just after 8:00 PM.

Index by Station

S2: No fishing again due to dolphins
S4: 23
S6: 56
S8: 68
S10: 114
S12: 150
S14: 33
S16: 2
S18: 0
S20: 35
S22: 11
S24: 7

Daily Catch Index=45

Scott and Jordan


% of Sockeye in the 4½" mesh
80%
75%
70%
65%
60%
55%
50%
45%
40%
35%
30%
10-Jun
14-Jun
18-Jun
22-Jun
26-Jun
30-Jun
4-Jul
8-Jul
2024
2023
2022
2021

Scott Raborn

From: Scott Raborn
Sent: Saturday, June 22, 2024 7:14 PM
To: Scott Raborn
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #13, June 22, 2024
Attachments: PMTF Catch Update #13, June 22, 2024.pdf; PMTF_RawData - June 22 2024.pdf

Please find attached today's catch update table, as well as the raw data.

PMTF Stock Composition Status: The two vessels will meet in the middle of the transect tonight to exchange samples. The 2nd stock composition covering June 21-22 should be released sometime tomorrow.

Index by Station

S2: No fishing again due to dolphins
S4: 58
S6: 73
S8: 54
S10: 105
S12: 21
S14: 0
S16: 2
S18: 6
S20: 41
S22: 8
S24: 0

Daily Catch Index=37

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Sunday, June 23, 2024 9:22 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #14, June 23, 2024
Attachments: PMTF Catch Update #14, June 23, 2024.pdf; PMTF_RawData - June 23 2024.pdf

Please find attached today's catch update table, as well as the raw data.

The Daily Catch Index was similar to yesterday, but with catches more evenly distributed across the entire transect. Fishing conditions (i.e., sea state, water visibility, water temperature, wind direction and velocity, etc.) were more or less the same as yesterday.

Wind conditions from June 17-20 were light to moderate easterlies; June 21-today were stronger out of the northwest. Will the four days of easterlies slow travel time to the districts and the last three days push them faster?

PMTF Stock Composition Status: The two vessels will meet tomorrow as early as possible to facilitate a timely stock composition for June 23-24 catches.

Index by Station

S2: 0
S4: 14
S6: 62
S8: 39
S10: 55
S12: 23
S14: 45
S16: 42
S18: 34
S20: 54
S22: 14
S24: 0

Daily Catch Index=35

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Monday, June 24, 2024 6:47 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #15, June 24, 2024
Attachments: PMTF Catch Update #14, June 23, 2024.pdf; PMTF_RawData - June 24 2024.pdf; 2024 Age Comp_ 6-24-24.pdf

Please find attached today's catch update table, the raw data, and the 1st age composition released by ADF&G.

The run sampled by the test fishery has indeed been dominated by ocean age-2 fish—81% (age 1.2=68.6% and age 2.2=12.6%).

Below the catch update table, we updated the weight-length relationship for fish measured at the PMTF thus far. The average sized Sockeye caught in the test net through this date was 4.5 lbs (samples from both meshes combined).

The Daily Catch Index has been more or less constant for the last 5 days. North westerly winds averaging ~14 kts for the past four days may be causing catches to be distributed more towards the lower half of the transect. It should be interesting to see when and how these indices translate into inshore catch plus escapement.

PMTF Stock Composition Status: The two vessels have transferred samples from the last two days. A stock composition for June 23-24 samples should be released tomorrow.

Index by Station

S2: 0
S4: 85
S6: 130
S8: 26
S10: 116
S12: 5
S14: 32
S16: 18
S18: 30
S20: 21
S22: 28
S24: 2

Daily Catch Index=45

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Tuesday, June 25, 2024 4:22 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #16, June 25, 2024
Attachments: PMTF Catch Update #16, June 25, 2024.pdf; PMTF_RawData - June 25 2024.pdf

Please find attached today's catch update table and the raw data.

The R/V Miss Leona was able to finish the lower transect today, while the R/V Ocean Cat had to head for cover after fishing Station 18 due to rough weather. It is unfortunate that inclement weather would set in after the biggest increase in the Daily Catch Index so far this season. The crews will attempt fishing late tomorrow if weather conditions allow.

PMTF Stock Composition Status: The bad weather and fishing rotation requires us to call an audible for Stock Composition #5. The R/V Miss Leona, that carries the gene lab, will find cover from the weather near Port Moller tonight, while the R/V Ocean Cat will shelter behind Hagemeister Island at the north end of the transect. A few stations may get fished tomorrow, but the boats will not rendezvous in time to exchange samples. The earliest that could happen would be Thursday evening. This means a stock composition from Stations 2-18 today and whatever we may get tomorrow would not be released until Friday (June 28). Instead, we will process samples from Station 2-12 from today (already on board the R/V Miss Leona). Hopefully, weather will allow samples to be processed tonight so that Stock Composition #5 (June 25, Stations 2-12) can be released sometime tomorrow.

Index by Station

S2: 0
S4: 3
S6: 132
S8: 95
S10: 306
S12: 73
S14: 0
S16: 9
S18: 108

Daily Catch Index=72

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Wednesday, June 26, 2024 9:39 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #17, June 26, 2024

The R/V Miss Leona was able to sample Station 6 before the weather prevented further sets. Conditions look good for tomorrow though, and we hope to get most of the transect covered.

We will need more data before values can be interpolated for today's missed stations.

PMTF Stock Composition Status: The boats will attempt to meet in time to transfer samples from tomorrow's fishing. If so, a stock composition for tomorrow (June 27) could be available on Friday.

Index by Station

S6: 219

Daily Catch Index=TBD

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Thursday, June 27, 2024 6:31 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #18, June 27, 2024
Attachments: PMTF Catch Update #18, June 27, 2024.pdf; PMTF_RawData - June 27 2024.pdf

Please find attached today's catch update table and the raw data.

Weather was rough today limiting the crews to Stations 4-18, which we were proud to get.

The Daily Catch Index indicates the passage rate at Port Moller fell off these past two days, but that inference is tenuous. Over half of the station indices for these days had to be interpolated. What we can infer is that a lot of fish have passed the transect during June 25-27.

PMTF Stock Composition Status: The boats were able to transfer genetic samples and processing is underway. Stock Composition #6 (June 27) should be released tomorrow.

Index by Station

S4: 0
S6: 203
S8: 135
S10: 74
S12: 5
S14: 12
S16: 7
S18: 21

Daily Catch Index=46

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Friday, June 28, 2024 7:17 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #19, June 28, 2024
Attachments: PMTF Catch Update #19, June 28, 2024.pdf; PMTF_RawData - June 28 2024.pdf

Please find attached today's catch update table and the raw data.

Better weather allowed full coverage of the transect today showing an increase in catch indices along the outer transect. The overall Daily Catch Index remained similar to yesterday and there is no clear signal from Port Moller that the passage rate is subsiding. In other words, the run is not early, and we expect that 50% of C+E will occur inshore no sooner than July 4. A few more days of test fishing will hopefully provide a narrower window as to when that might occur. A 7-8 day travel time to the districts puts the increase in Port Moller catches on June 25 inshore around July 2-3.

PMTF Stock Composition Status: The boats will meet tomorrow near the center of the transect to transfer samples. Stock Composition #7 (June 28-29) should be released Sunday (June 30).

Index by Station

S2: 0
S4: 7
S6: 90
S8: 82
S10: 89
S12: 2
S14: 47
S16: 28
S18: 14
S20: 95
S22: 50
S24: 0

Daily Catch Index=46

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Saturday, June 29, 2024 7:48 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #20, June 29, 2024
Attachments: PMTF Catch Update #20, June 29, 2024.pdf; PMTF_RawData - June 29 2024.pdf

Please find attached today's catch update table and the raw data. We have included a figure below the catch update table that shows C+E and the Daily Catch Index through June 27 compared to previous years.

PMTF Stock Composition Status: The boats have transferred samples and processing is underway. Stock Composition #7 (June 28-29) should be released tomorrow (June 30).

Index by Station

S2: 5
S4: 43
S6: 4
S8: 302
S10: 114
S12: 25
S14: 29
S16: 2
S18: 8
S20: 11
S22: 0
S24: 27

Daily Catch Index=49

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Sunday, June 30, 2024 6:30 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #21, June 30, 2024
Attachments: PMTF Catch Update #21, June 30, 2024.pdf; PMTF_RawData - June 30 2024.pdf

Please find attached today's catch update table and the raw data. We have included a figure below the catch update table that shows C+E and the Daily Catch Index through June 28 compared to previous years.

The Daily Catch Index dropped off considerably today. We will need to see a few more days of low catches before inferring the passage rate is declining at the test fishery.

PMTF Stock Composition Status: Stock Composition #8 (June 30-July 1) should be released Tuesday (July 2).

Index by Station

S2: 0
S4: 2
S6: 3
S8: 21
S10: 99
S12: 35
S14: 21
S16: 0
S18: 0
S20: 27
S22: 2
S24: 39

Daily Catch Index=19

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Monday, July 1, 2024 10:09 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #22, July 1, 2024
Attachments: PMTF Catch Update #22, July 1, 2024.pdf; PMTF_RawData - July 1 2024.pdf

Please find attached today's catch update table and the raw data.

The Daily Catch Index bounced back today as is often the case at this point in the season. Catch plus escapement for the Kvichak District should increase substantially over the next few days. The stock compositions from Port Moller so far would have to be very wrong for it not to do so. A 40+ million total run seems a safe bet with 50% of C+E occurring no sooner than July 6. Strong Port Moller indices over the next few days would indicate the run is even later and well above 40 million.

PMTF Stock Composition Status: Stock Composition #8 (June 30-July 1) should be released tomorrow (July 2).

Index by Station

S4: 93
S6: 124
S8: 88
S10: 156
S12: 46
S14: 7
S16: 2
S18: 0
S20: 23
S22: 12
S24: 104

Daily Catch Index=51

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Tuesday, July 2, 2024 8:25 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #23, July 2, 2024
Attachments: PMTF Catch Update #23, July 2, 2024.pdf; PMTF_RawData - July 2 2024.pdf

Please find attached today's catch update table and the raw data. The crews have put forth extraordinary effort this season! The R/V Miss Leona will fish out to Station 26 tonight before stopping (we will report that result tomorrow).

The Daily Catch Index increased again today indicating that a later/larger run is more likely.

PMTF Stock Composition Status: Stock Composition #9 (July 2-3) should be released Thursday (July 4).

Index by Station

S2: 0
S4: 8
S6: 69
S8: 297
S10: 243
S12: 50
S14: 3
S16: 3
S18: 7
S20: 6
S22: 4
S24: 5

Daily Catch Index=63

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Wednesday, July 3, 2024 9:25 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn
Subject: PMTF Catch Update #24, July 3, 2024
Attachments: PMTF Catch Update #24, July 3, 2024.pdf; PMTF_RawData - July 3 2024.pdf

Please find attached today's catch update table and the raw data. Yesterday's index at Station 26 was zero, and we thank the R/V Miss Leona for confirming the outer edge of the migration.

The Daily Catch Index remained strong in line with a protracted run. The travel time from Port Moller must be much less for the Nushagak District compared to the Kvichak District if the magnitude and stock composition of the PMTF indices were accurate. Catch and escapement for the Kvichak District may continue to stall for a day or two, while the Nushagak District should have increased today and continue to do so tomorrow.

PMTF Stock Composition Status: Stock Composition #9 (July 2-3) should be released Thursday (July 4).

Index by Station

S2: 0
S4: 0
S6: 73
S8: 64
S10: 188
S12: 45
S14: 27
S16: 111
S18: 18
S20: 29
S22: 15
S24: 0

Daily Catch Index=52

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Thursday, July 4, 2024 9:08 PM
To: Jordan Head
Cc: Michael Link; Scott Raborn; Jeff Regnart
Subject: PMTF Catch Update #25, July 4, 2024
Attachments: PMTF Catch Update #25, July 4, 2024.pdf; PMTF_RawData - July 4 2024.pdf

Happy 4th of July everyone, and have we got an update for you!

Please find attached today's catch update table and the raw data. Below the catch update table, we have included three figures. Figure1 is the usual C+E and the Daily Catch Index to date compared to previous years. Current and historical C+E is parsed by district in Figure 2. For Figure 3, we have parsed the Daily Catch Index by district (top panel) and moved C+E to date to a bottom panel to facilitate comparison.

The Daily Catch Index was substantially higher than the previous three days and the highest it has been all year. Indices increased at almost every station. While fishing conditions (wave height and wind) were better today than the previous three days we feel safe in concluding that the passage rate likely increased today. This suggests a run timing that is later than we previously thought; our best guess is that 50% of C+E will occur inshore no sooner than ~July 9.

PMTF Stock Composition Status: Stock Composition #10 (July 4-5) should be released Saturday (July 6).

Index by Station

S2: 2
S4: 114
S6: 158
S8: 140
S10: 359
S12: 21
S14: 36
S16: 33
S18: 21
S20: 64
S22: 27
S24: 17

Daily Catch Index=89

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Friday, July 5, 2024 7:27 PM
To: Jordan Head
Cc: Michael Link; Jeff Regnart; Scott Raborn
Subject: PMTF Catch Update #26, July 5, 2024
Attachments: PMTF Catch Update #26, July 5, 2024.pdf; PMTF_RawData - July 5 2024.pdf

Please find attached today's catch update table and the raw data. Below the catch update table, we have included three figures. Figure1 is the usual C+E and the Daily Catch Index to date compared to previous years. Current and historical C+E is parsed by district in Figure 2. For Figure 3, we have parsed the Daily Catch Index by district (top panel) and moved C+E to date to a bottom panel to facilitate comparison.

PMTF Stock Composition Status: Stock Composition #10 (July 4-5) should be released tomorrow (July 6).

Index by Station

S4: 14
S6: 85
S8: 43
S10:202
S12: 47
S14: 176
S16: 37
S18: 56
S20: 112
S22: 20
S24: 7

Daily Catch Index=73

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Saturday, July 6, 2024 7:47 PM
To: Jordan Head
Cc: Michael Link; Jeff Regnart; Scott Raborn
Subject: PMTF Catch Update #27, July 6, 2024
Attachments: PMTF Catch Update #27, July 6, 2024.pdf; PMTF_RawData - July 6 2024.pdf; 2024 Age Comp_ 7-6-2024.pdf

Please find attached today's catch update (includes accommodating figures describing historical and the current year's run) and the raw data. Also included are the latest age composition estimates released by ADF&G.

PMTF Stock Composition Status: Stock Composition #11 (July 6-7) should be released Monday (July 8).

Index by Station

S2: 0
S4: 0
S6: 13
S8: 28
S10:79
S12: 72
S14: 16
S16: 8
S18: 8
S20: 62
S22: 69
S24: 6

Daily Catch Index=32

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Sunday, July 7, 2024 7:19 PM
To: Jordan Head
Cc: Michael Link; Jeff Regnart
Subject: PMTF Catch Update #28, July 7, 2024
Attachments: PMTF Catch Update #28, July 7, 2024.pdf; PMTF_RawData - July 7 2024.pdf

Please find attached today's catch update (includes accommodating figures describing historical and the current year's run) and the raw data.

PMTF Stock Composition Status: Stock Composition #11 (July 6-7) should be released tomorrow (July 8).

Index by Station

S2: 2
S4: 2
S6: 9
S8: 64
S10: 46
S12: 2
S14: 12
S16: 2
S18: 33
S20: 14
S22: 2
S24: 12

Daily Catch Index=17

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Monday, July 8, 2024 7:58 PM
To: Jordan Head
Cc: Michael Link; Jeff Regnart
Subject: PMTF Catch Update #29, July 8, 2024
Attachments: PMTF Catch Update #29, July 8, 2024.pdf; PMTF_RawData - July 8 2024.pdf

Please find attached today's catch update (includes accommodating figures describing historical and the current year's run) and the raw data.

The Daily Catch Index has been down the past three days signaling the tail of the run is currently passing the test fishing transect. Catch plus escapement was down yesterday and may stay that way today and perhaps tomorrow. We have roughly illustrated how we think Port Moller Indices have translated into C+E so far this year in Figure 3. In short, Port Moller indicated that a lull in C+E was coming, but then it also indicates the run will be bimodal with the second mode yet to show.

PMTF Stock Composition Status: Stock Composition #12 (July 8-9) should be released Wednesday (July 10).

Index by Station

S2: 0
S4: 31
S6: 18
S8: 155
S10: 60
S12: 32
S14: 15
S16: 0
S18: 36
S20: 38
S22: 0
S24: 0

Daily Catch Index=35

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Tuesday, July 9, 2024 7:46 PM
To: Jordan Head
Cc: Michael Link; Jeff Regnart
Subject: PMTF Catch Update #30, July 9, 2024
Attachments: PMTF Catch Update #30, July 9, 2024.pdf; PMTF_RawData - July 9 2024.pdf

Please find attached today's catch update (includes accommodating figures describing historical and the current year's run) and the raw data.

PMTF Stock Composition Status: Stock Composition #12 (July 8-9) should be released tomorrow (July 10).

Index by Station

S2: 0
S4: 58
S6: 54
S8: 46
S10: 111
S12: 0
S14: 28
S16: 60
S18: 110
S20: 43
S22: 7
S24: 26

Daily Catch Index=47

Scott and Jordan

Scott Raborn

From: Scott Raborn
Sent: Wednesday, July 10, 2024 8:14 PM
To: Jordan Head
Cc: Michael Link; Jeff Regnart
Subject: PMTF Catch Update #31, July 10, 2024
Attachments: PMTF Catch Update #31, July 10, 2024.pdf; PMTF_RawData - July 10 2024.pdf

Please find attached today's catch update (includes accommodating figures describing historical and the current year's run) and the raw data.

PMTF Stock Composition Status: The end of the test fishery for the 2024 season, as well as whether another stock composition will be produced is yet to be determined.

Index by Station

S2: 19
S4: 5
S6: 30
S8: 76
S10: 0
S12: 2
S14: 26
S16: 46
S18: 41
S20: 2
S22: 0
S24: 9

Daily Catch Index=22

Scott and Jordan

Appendix B

ADF&G inseason stock composition estimates for the Port Moller Test Fishery, 2024.

Estimates by Sample Dates

Stock Comp #1: June 17-18

Year-end Figures

Stock Comp #2: June 19-20

Stock Comp #3: June 21-22

Stock Comp #4: June 23-24

Stock Comp #5: June 25

Stock Comp #6: June 27

Stock Comp #7: June 28-29

Stock Comp #8: June 30-July 1

Stock Comp #9: July 2-3

Stock Comp #10: July 4-5

Stock Comp #11: July 6-7

Stock Comp #12: July 8-9

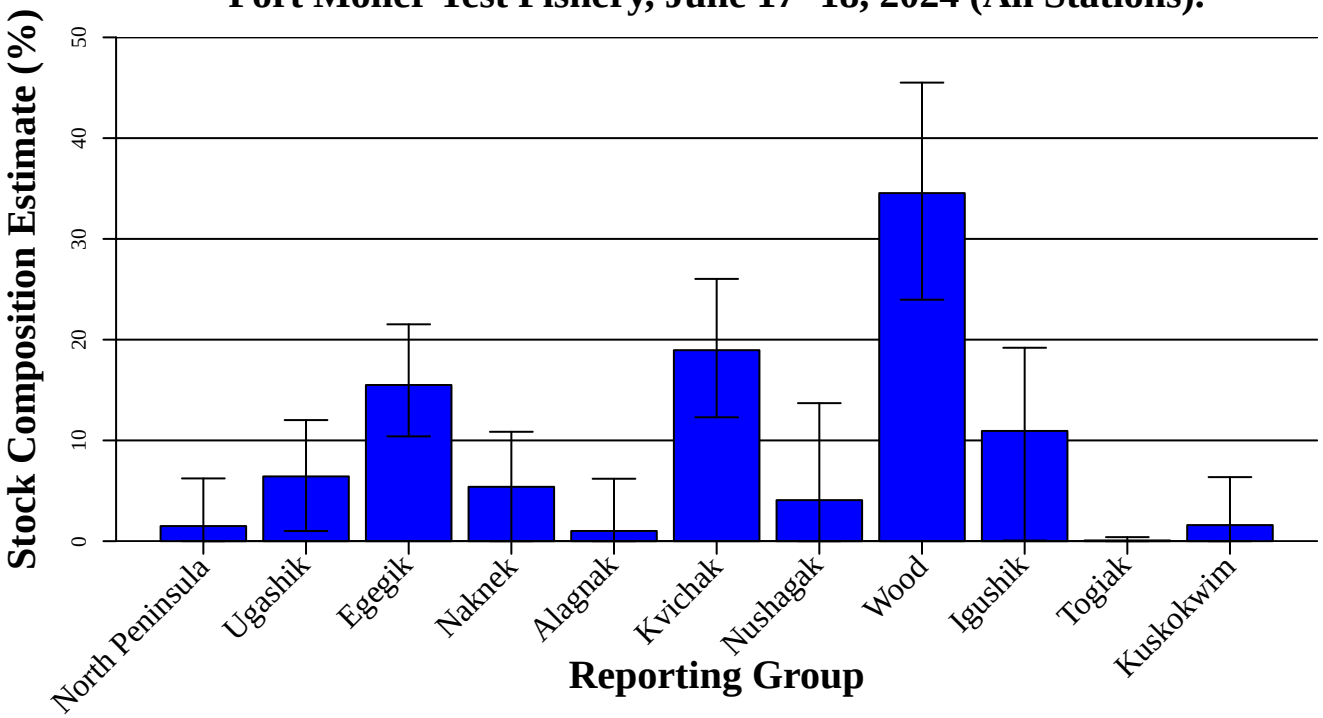
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 17−18, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 17−18, 2024. A total of 229 fish were sampled and 190 were analyzed (187 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	1.5%	0.0%	6.2%
Ugashik	6.4%	1.0%	12.0%
Egegik	15.5%	10.4%	21.5%
Naknek	5.4%	0.0%	10.9%
Alagnak	1.0%	0.0%	6.2%
Kvichak	19.0%	12.3%	26.0%
Nushagak	4.1%	0.0%	13.7%
Wood	34.5%	24.0%	45.5%
Igushik	10.9%	0.1%	19.2%
Togiak	0.1%	0.0%	0.4%
Kuskokwim	1.6%	0.0%	6.4%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 17−18, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: June 20, 2024
11:00 AM

Figure 3. (**A**) The 2024 Port Moller Daily Catch Index (averaged from Stations 2-24) parsed by district based on genetic stock composition estimates. (**B**) Observed C+E parsed by district. District colors are approximations of those used for stocks by ADF&G's gene lab in their stock composition reports.

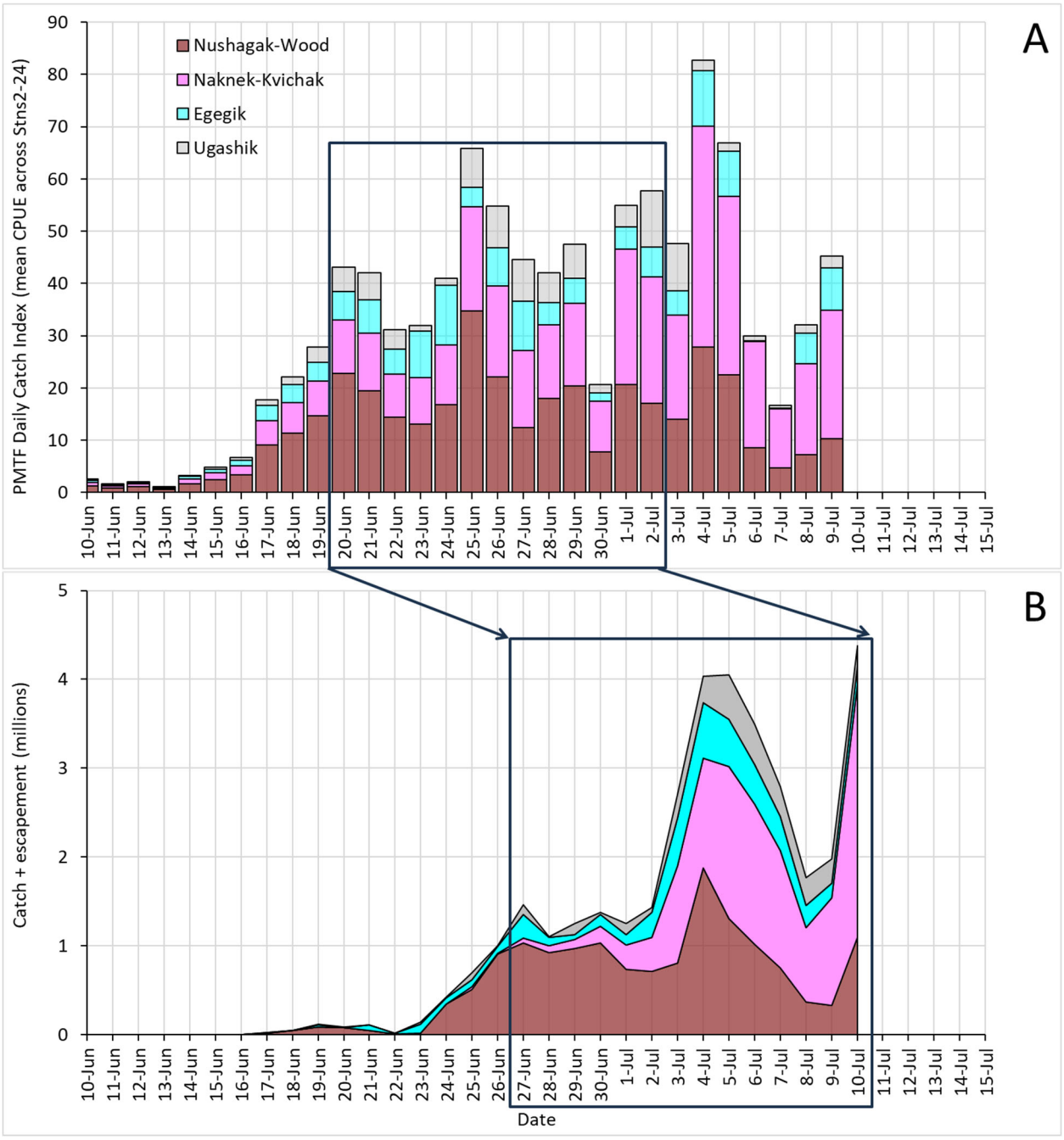
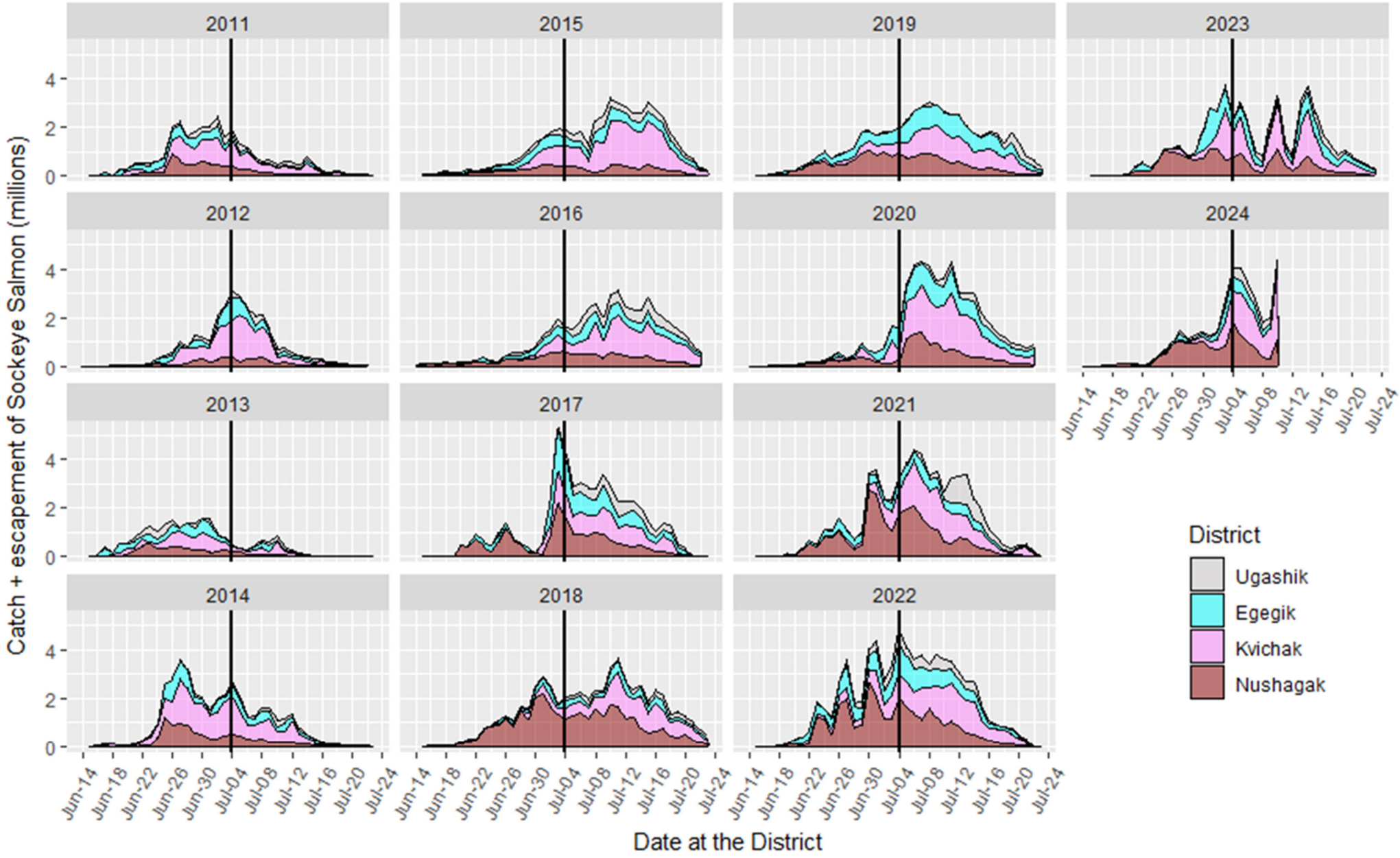
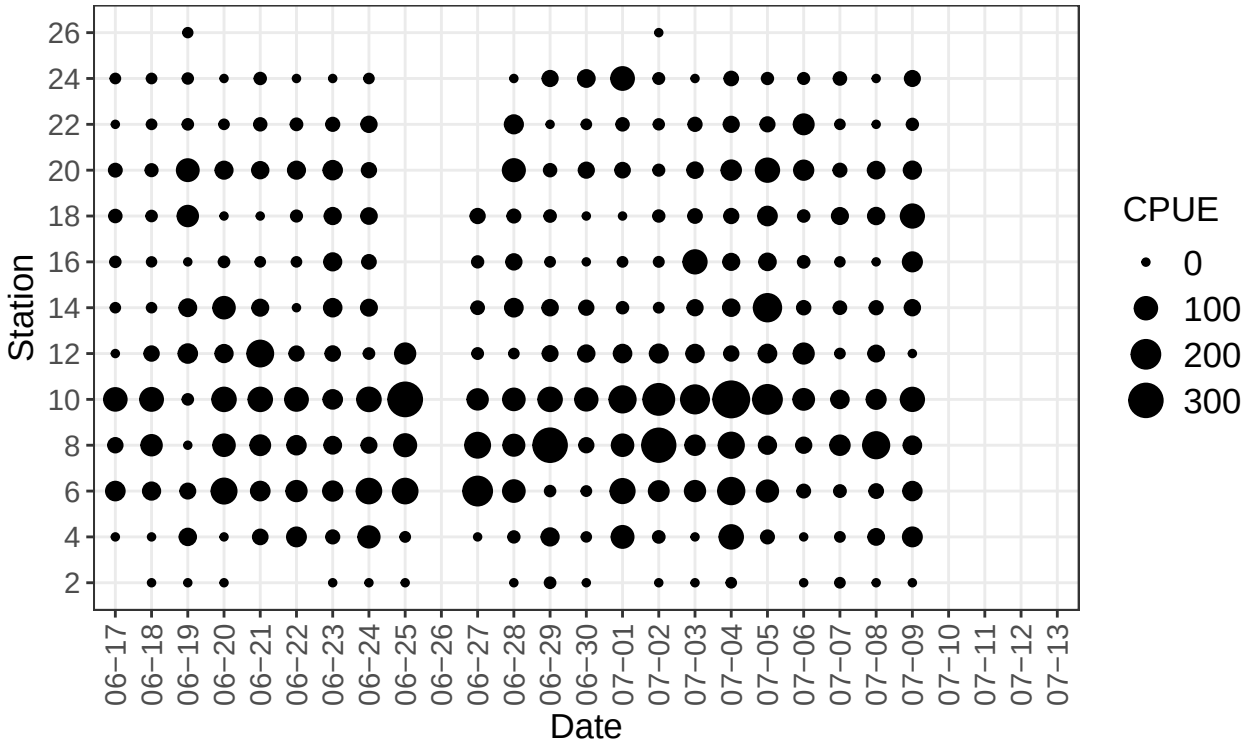


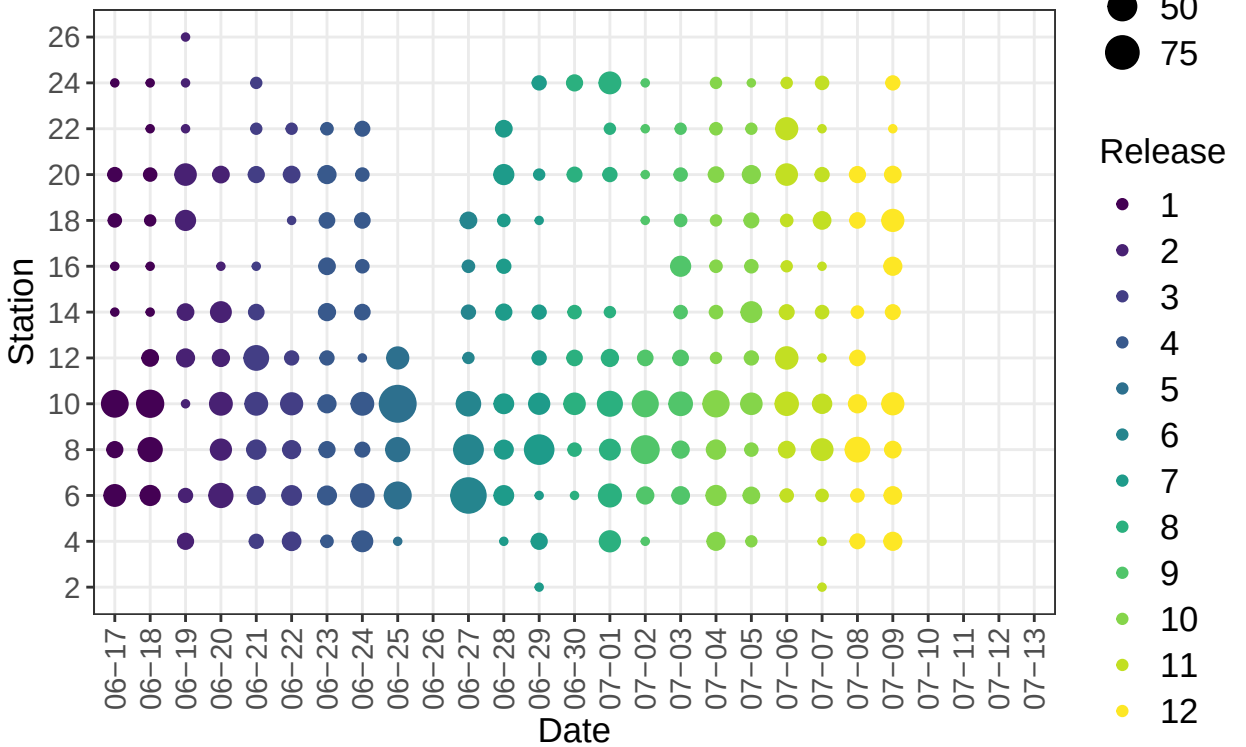
Figure 2. Catch plus escapement by district for 2011-2024. The black vertical line specifies July 4 in each year to facilitate comparisons.



Port Moller Test Fishery 2024
Catch Per Unit of Effort by Date and Station

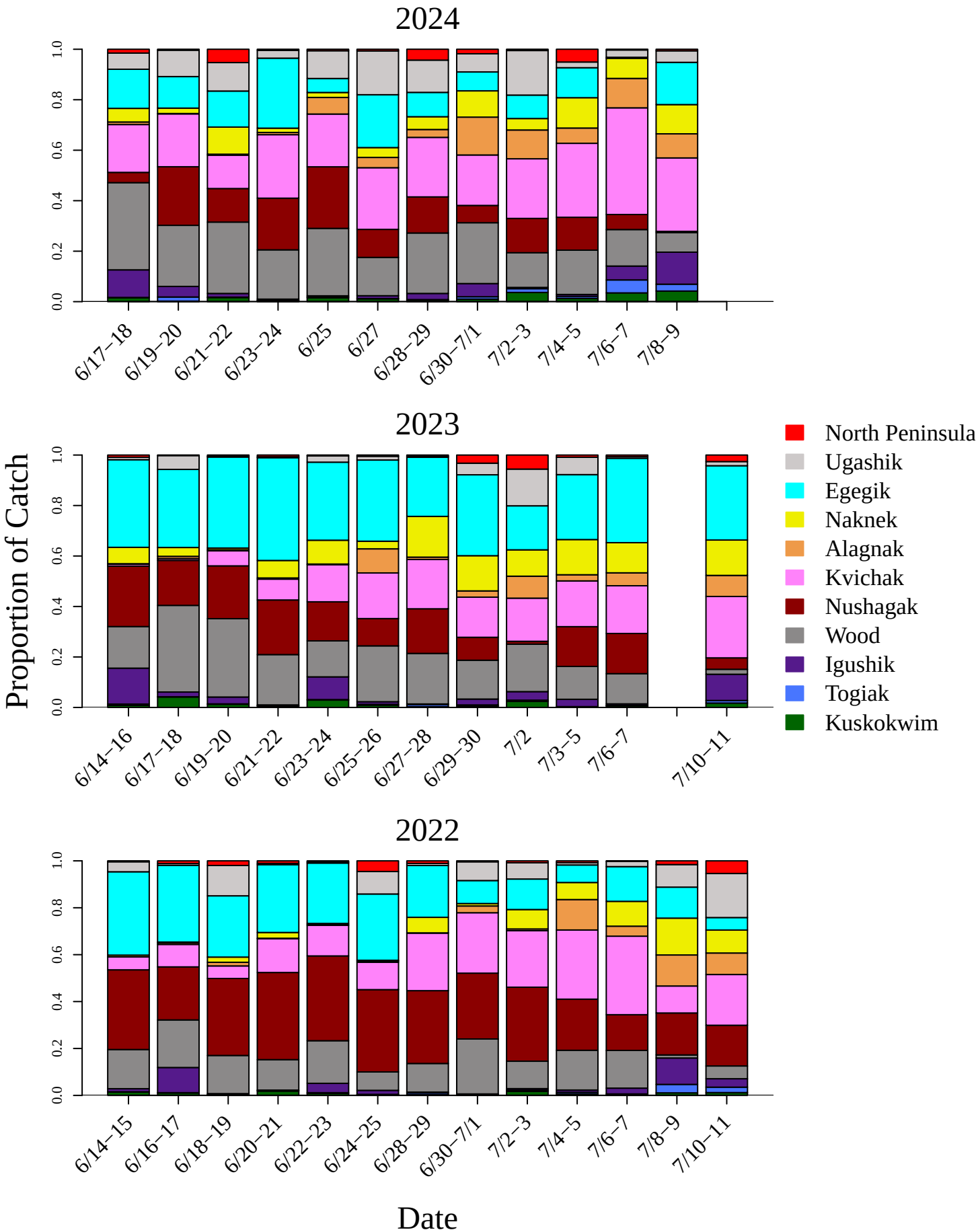


Number of Genetic Samples Analyzed by Date, Station, and Estimate Release Number



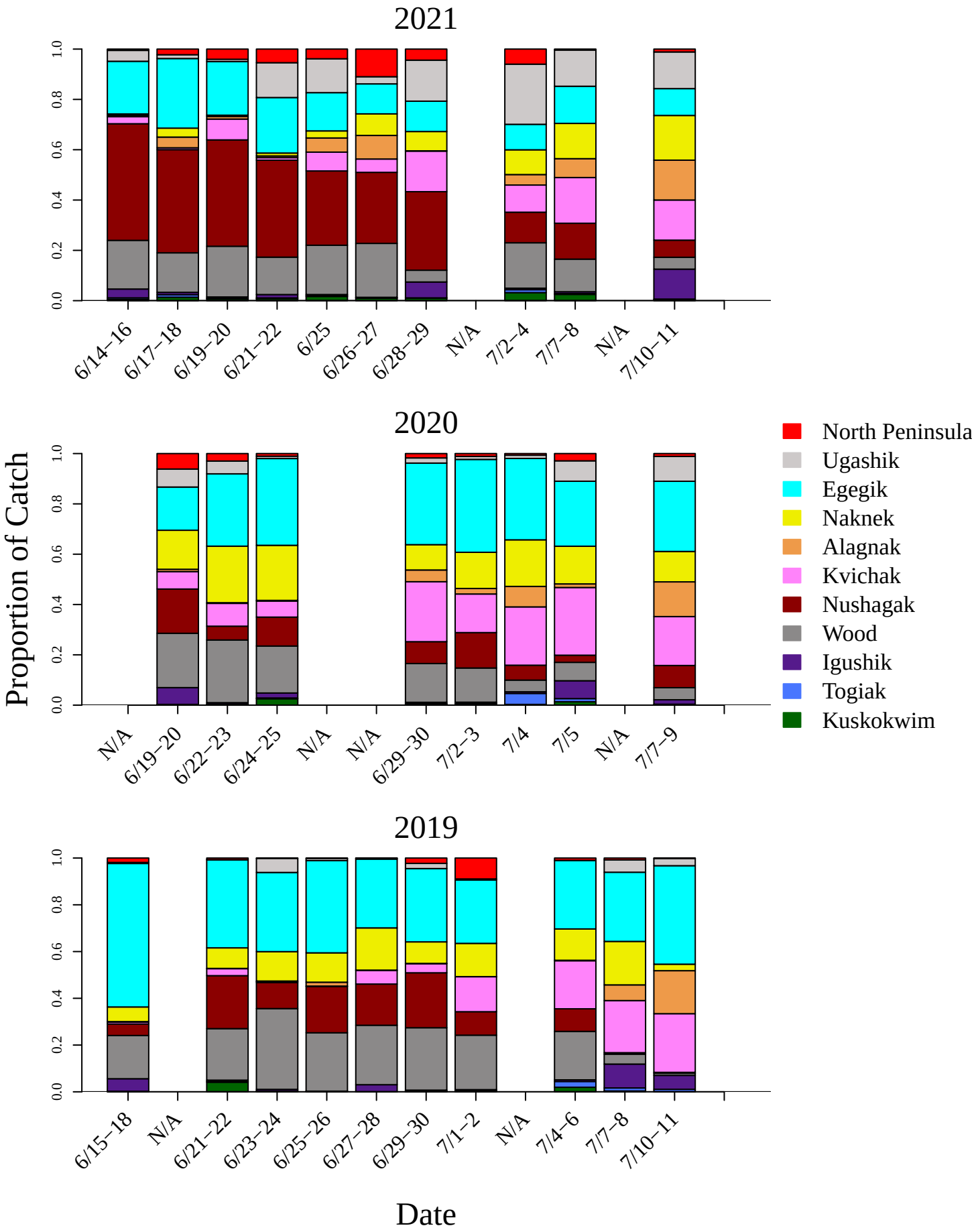
Reported as of: July 10, 2024
3:00 PM

Historical Comparison of Stock Composition Estimates



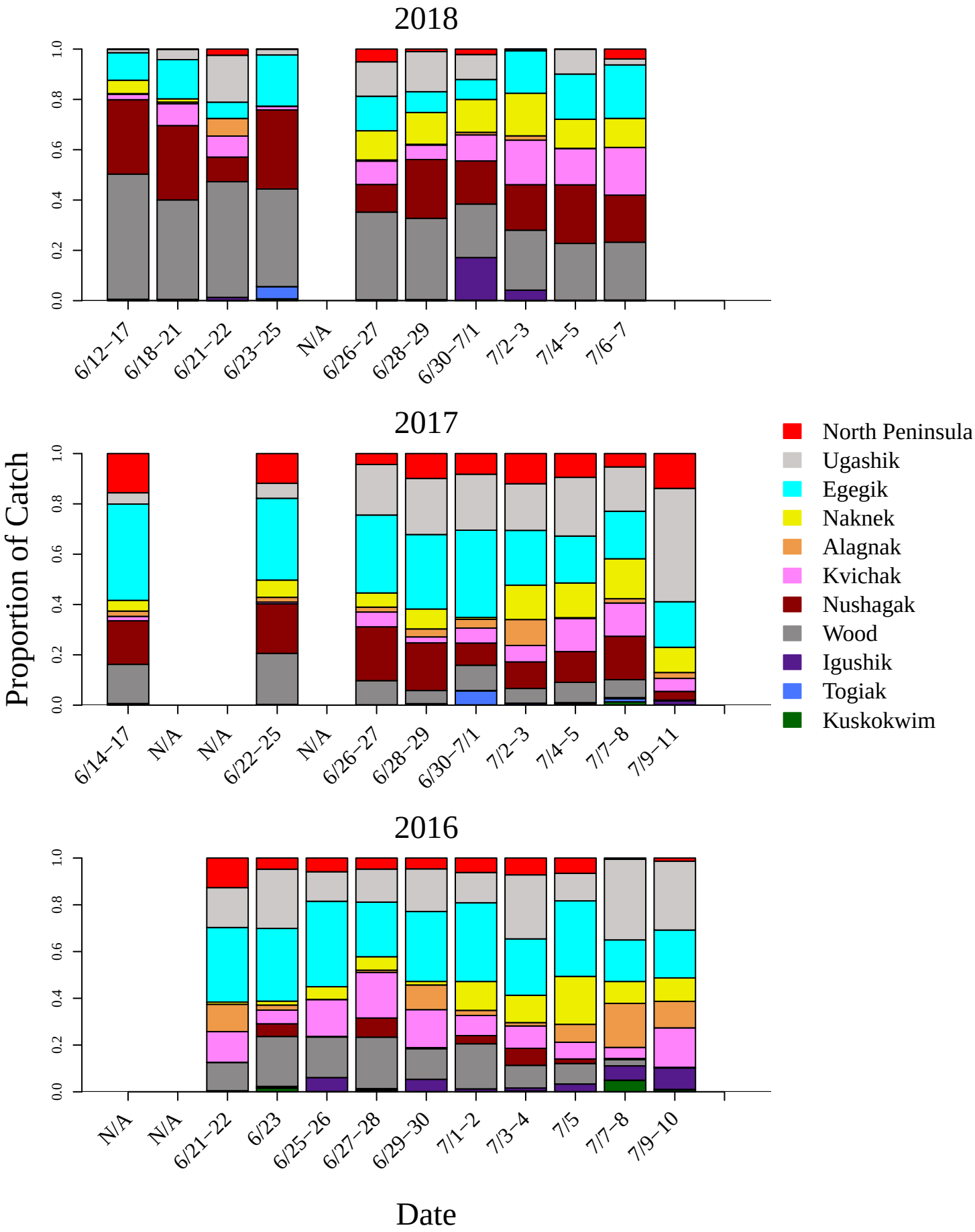
Reported as of: July 10, 2024
3:00 PM

Historical Comparison of Stock Composition Estimates



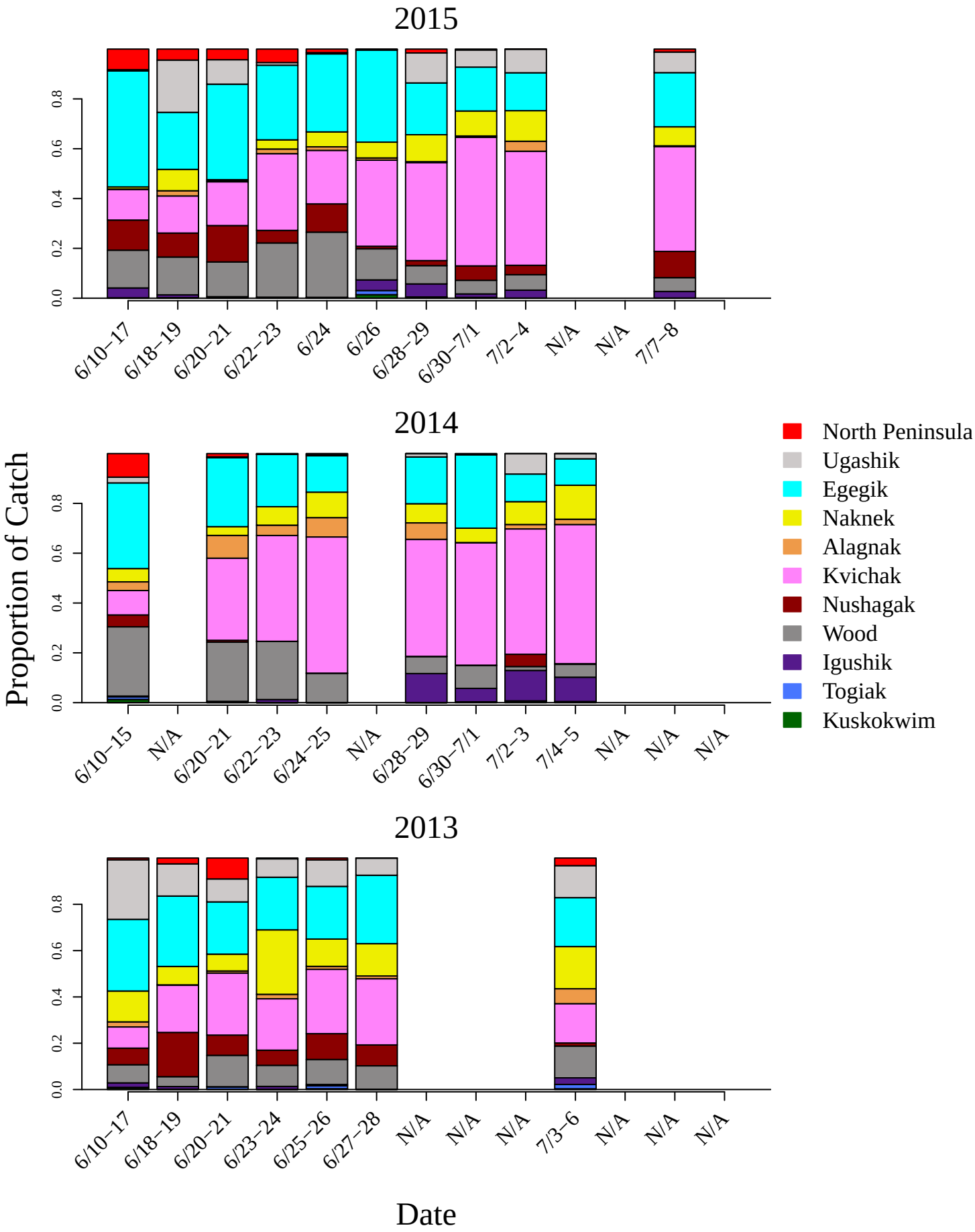
Reported as of: July 10, 2024
3:00 PM

Historical Comparison of Stock Composition Estimates



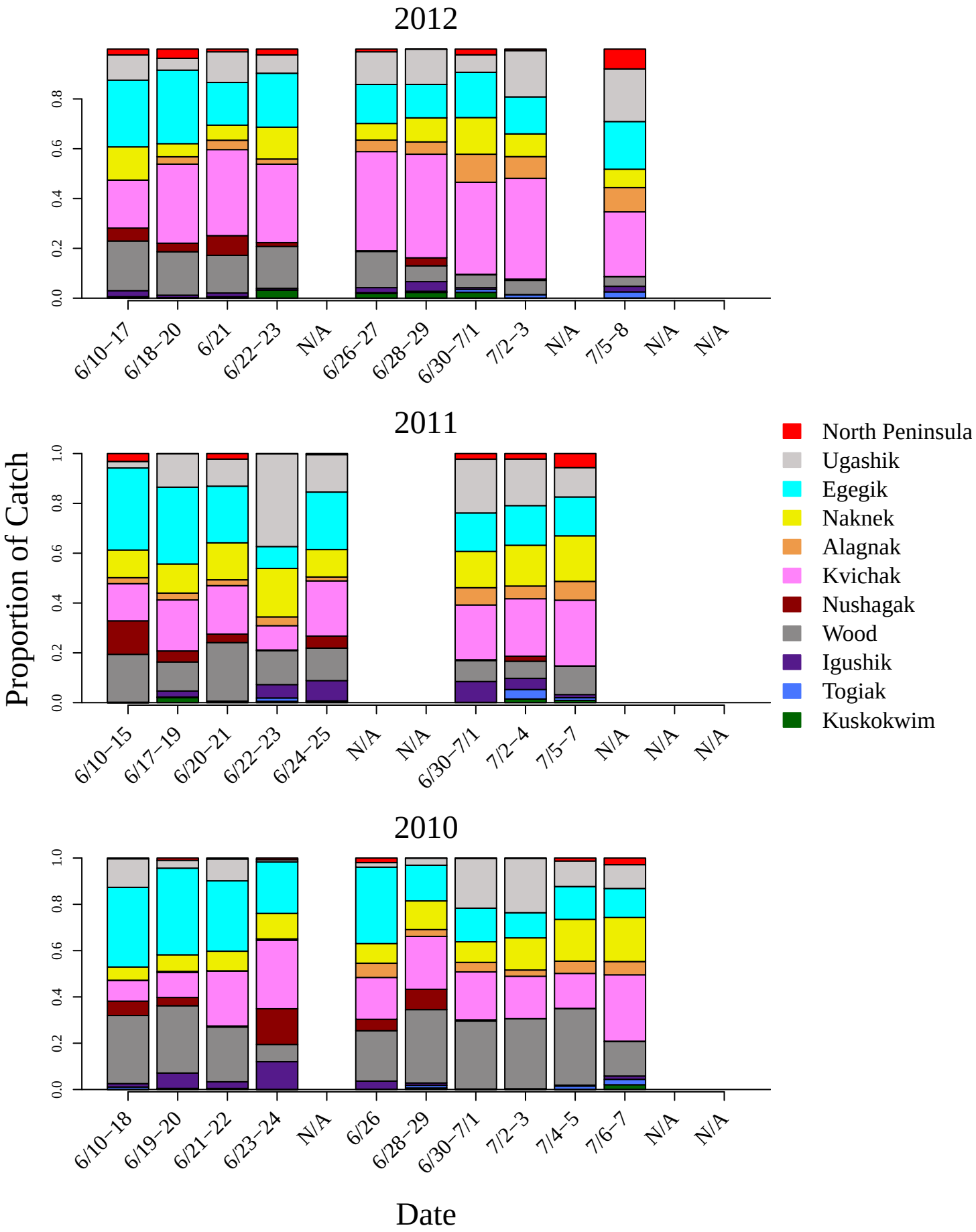
Reported as of: July 10, 2024
3:00 PM

Historical Comparison of Stock Composition Estimates



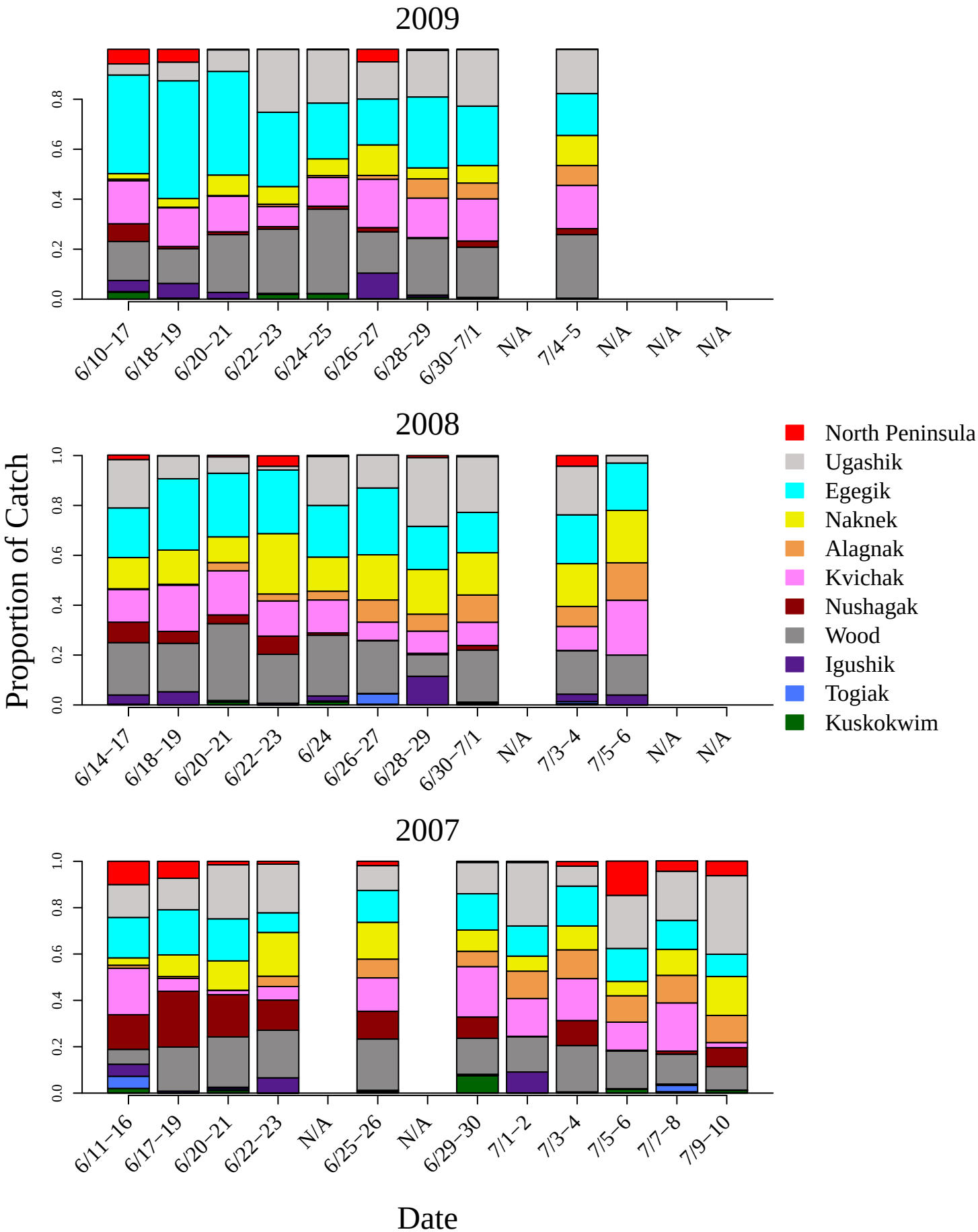
Reported as of: July 10, 2024
3:00 PM

Historical Comparison of Stock Composition Estimates



Reported as of: July 10, 2024
3:00 PM

Historical Comparison of Stock Composition Estimates



Reported as of: July 10, 2024
3:00 PM

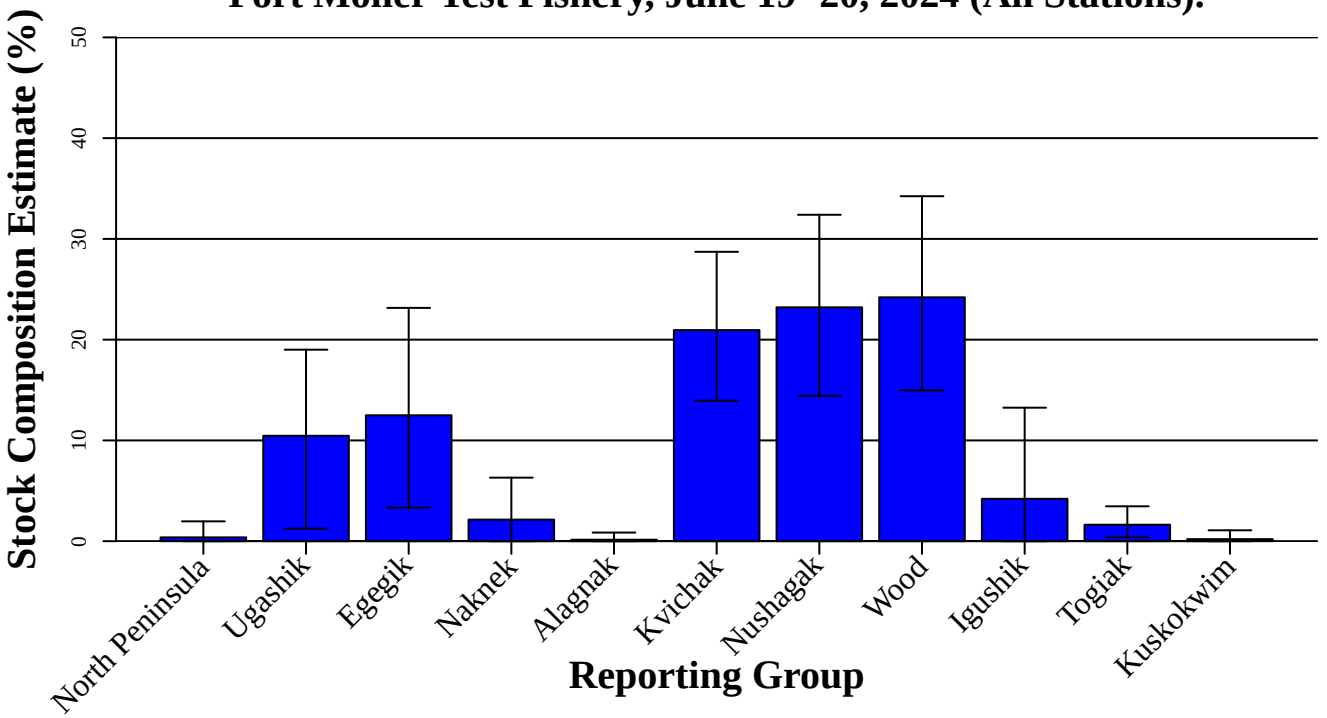
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 19−20, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 19−20, 2024. A total of 440 fish were sampled and 190 were analyzed (189 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.4%	0.0%	2.0%
Ugashik	10.5%	1.2%	19.0%
Egegik	12.5%	3.3%	23.2%
Naknek	2.1%	0.0%	6.3%
Alagnak	0.1%	0.0%	0.9%
Kvichak	20.9%	13.9%	28.7%
Nushagak	23.2%	14.4%	32.4%
Wood	24.2%	15.0%	34.2%
Igushik	4.2%	0.0%	13.2%
Togiak	1.6%	0.4%	3.5%
Kuskokwim	0.2%	0.0%	1.1%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 19−20, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: June 21, 2024
8:00 PM

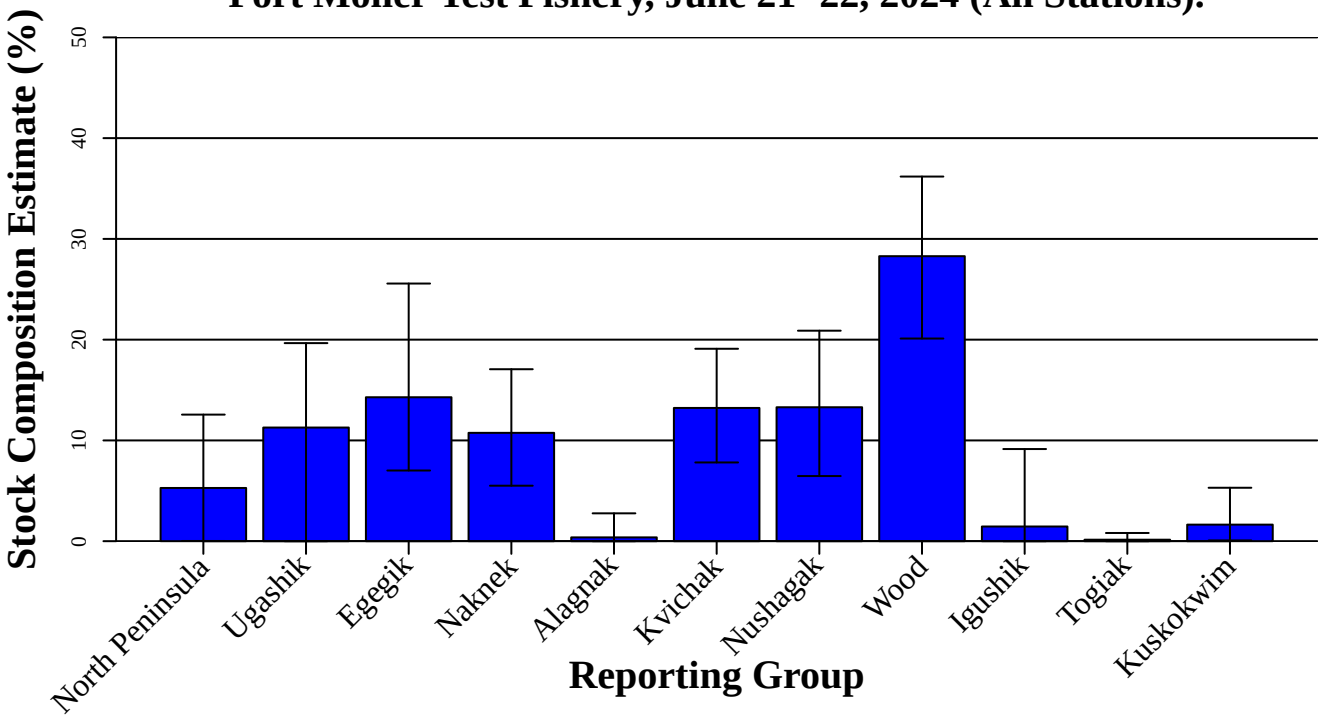
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 21−22, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 21−22, 2024. A total of 450 fish were sampled and 190 were analyzed (189 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	5.3%	0.0%	12.6%
Ugashik	11.3%	0.0%	19.7%
Egegik	14.3%	7.0%	25.6%
Naknek	10.8%	5.5%	17.1%
Alagnak	0.4%	0.0%	2.8%
Kvichak	13.2%	7.8%	19.1%
Nushagak	13.3%	6.5%	20.9%
Wood	28.3%	20.1%	36.2%
Igushik	1.5%	0.0%	9.1%
Togiak	0.1%	0.0%	0.8%
Kuskokwim	1.6%	0.1%	5.3%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 21−22, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: June 23, 2024
2:00 PM

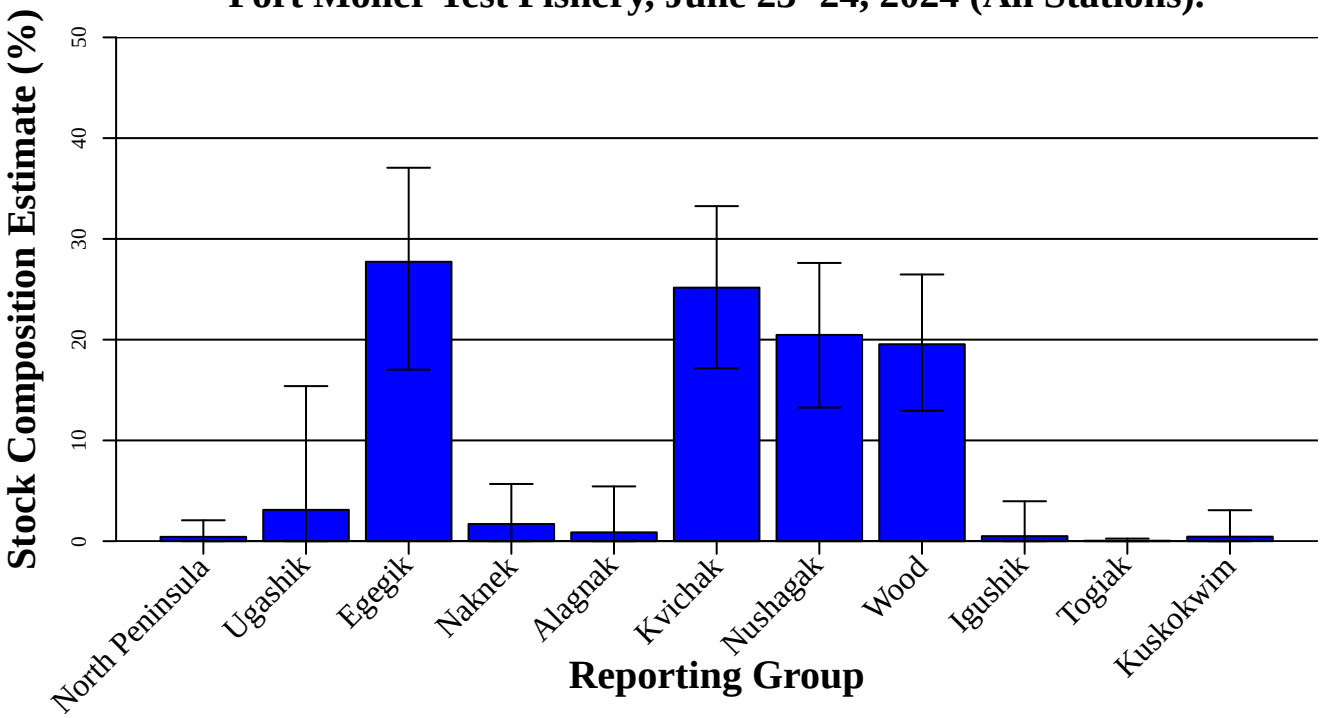
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 23−24, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 23−24, 2024. A total of 422 fish were sampled and 190 were analyzed (190 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.4%	0.0%	2.1%
Ugashik	3.1%	0.0%	15.4%
Egegik	27.7%	17.0%	37.1%
Naknek	1.7%	0.0%	5.7%
Alagnak	0.9%	0.0%	5.4%
Kvichak	25.2%	17.2%	33.3%
Nushagak	20.5%	13.3%	27.6%
Wood	19.5%	12.9%	26.5%
Igushik	0.5%	0.0%	4.0%
Togiak	0.0%	0.0%	0.3%
Kuskokwim	0.4%	0.0%	3.1%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 23−24, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: June 25, 2024
12:00 PM

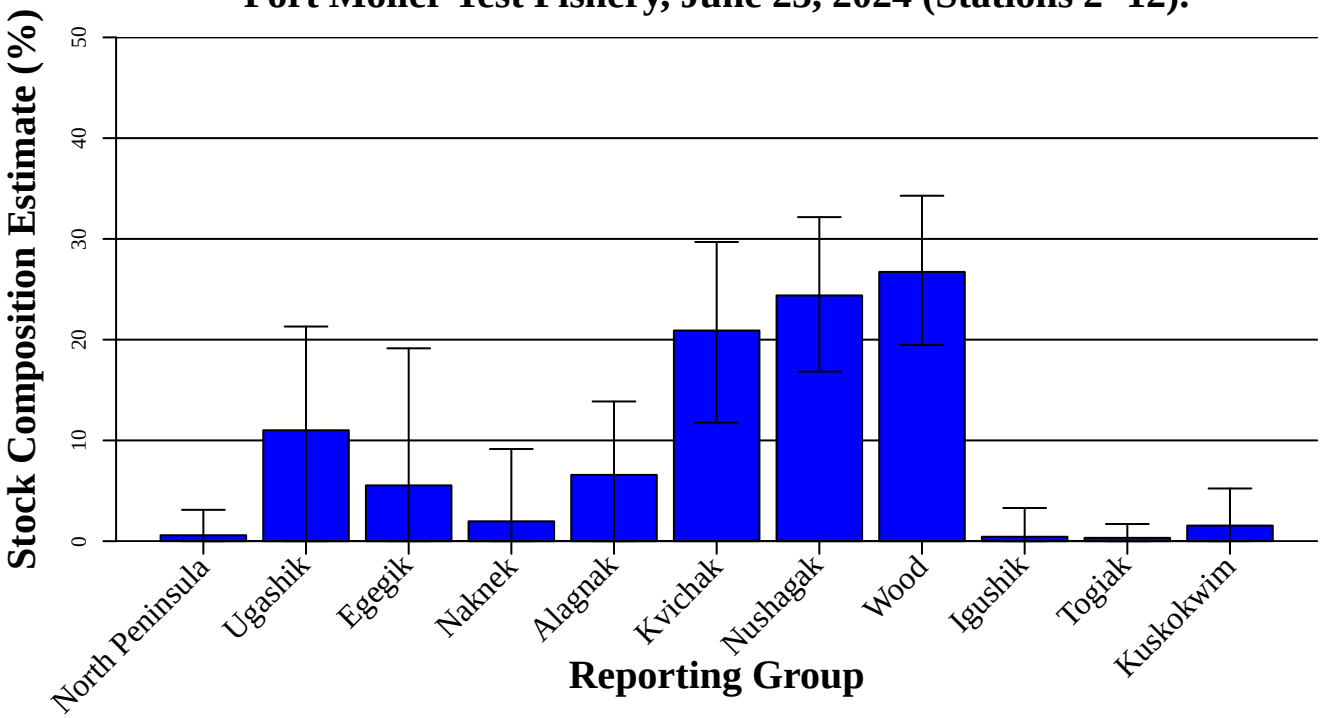
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 25, 2024 − Stations 2−12

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 25, 2024. A total of 277 fish were sampled and 190 were analyzed (187 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.6%	0.0%	3.1%
Ugashik	11.0%	0.0%	21.3%
Egegik	5.5%	0.0%	19.1%
Naknek	2.0%	0.0%	9.2%
Alagnak	6.6%	0.0%	13.9%
Kvichak	20.9%	11.8%	29.7%
Nushagak	24.4%	16.8%	32.2%
Wood	26.7%	19.5%	34.3%
Igushik	0.4%	0.0%	3.3%
Togiak	0.3%	0.0%	1.7%
Kuskokwim	1.5%	0.0%	5.2%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 25, 2024 (Stations 2−12).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: June 26, 2024
11:00 AM

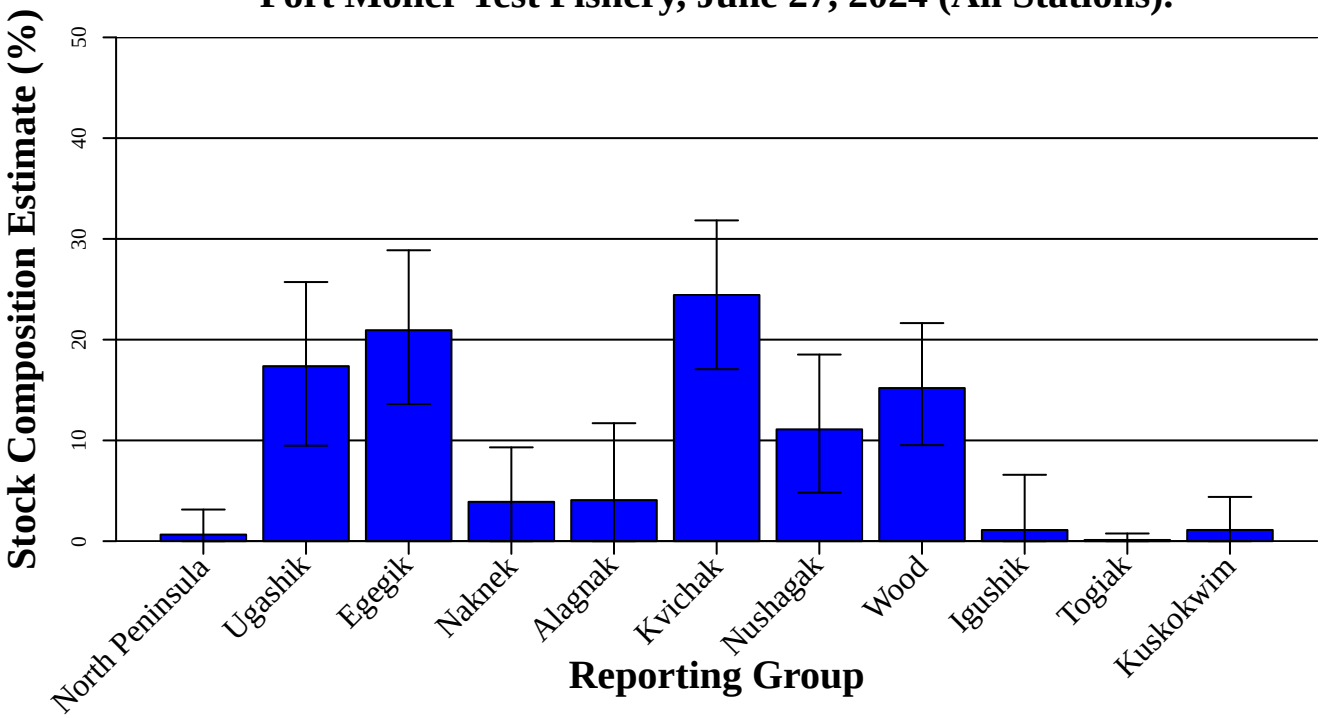
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 27, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 27, 2024. A total of 213 fish were sampled and 190 were analyzed (185 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.7%	0.0%	3.1%
Ugashik	17.4%	9.5%	25.7%
Egegik	20.9%	13.6%	28.9%
Naknek	3.9%	0.0%	9.3%
Alagnak	4.1%	0.0%	11.7%
Kvichak	24.4%	17.1%	31.8%
Nushagak	11.1%	4.8%	18.5%
Wood	15.2%	9.5%	21.6%
Igushik	1.1%	0.0%	6.6%
Togiak	0.1%	0.0%	0.8%
Kuskokwim	1.1%	0.0%	4.4%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 27, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: June 27, 2024
3:00 PM

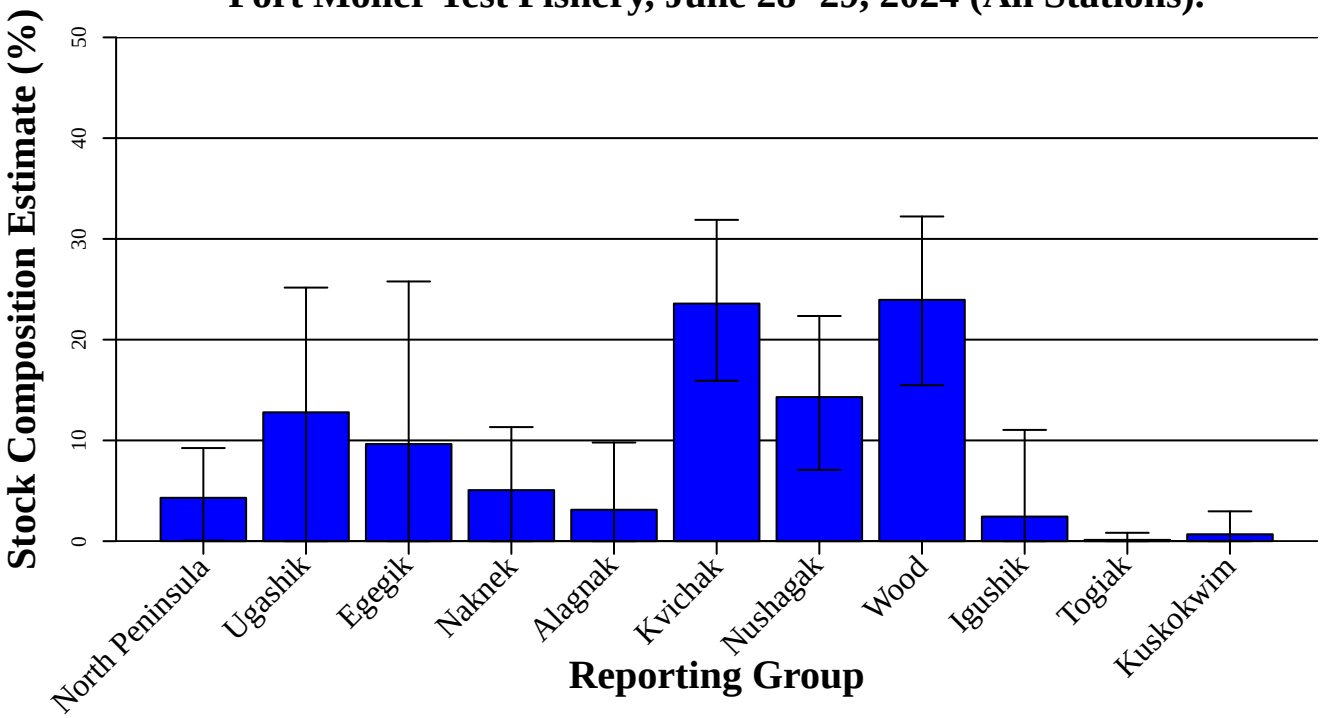
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 28−29, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 28−29, 2024. A total of 506 fish were sampled and 190 were analyzed (188 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	4.3%	0.1%	9.2%
Ugashik	12.8%	0.0%	25.2%
Egegik	9.6%	0.0%	25.8%
Naknek	5.1%	0.0%	11.3%
Alagnak	3.1%	0.0%	9.8%
Kvichak	23.6%	15.9%	31.9%
Nushagak	14.3%	7.1%	22.3%
Wood	23.9%	15.5%	32.2%
Igushik	2.4%	0.0%	11.0%
Togiak	0.1%	0.0%	0.8%
Kuskokwim	0.7%	0.0%	3.0%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 28−29, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

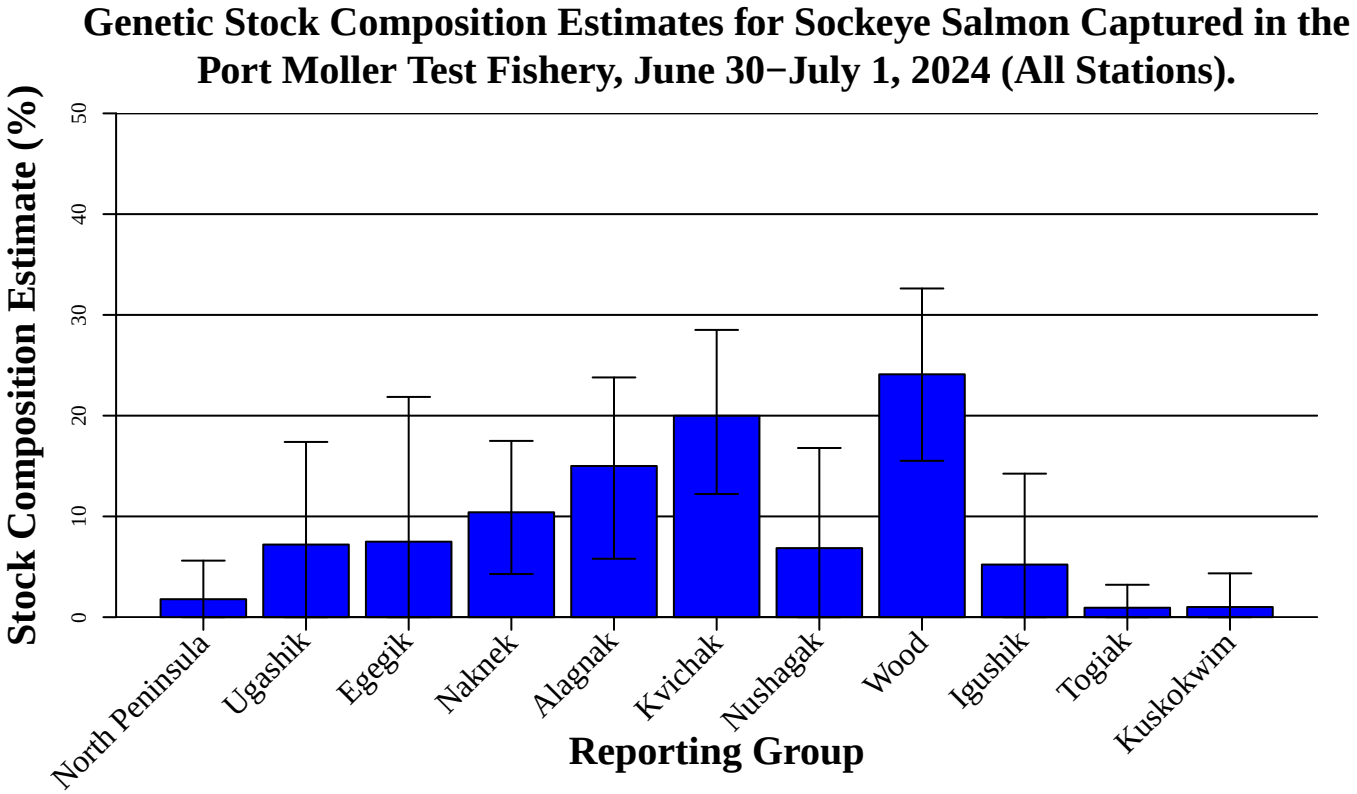
Reported as of: June 30, 2024
6:00 PM

Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 30−July 1, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 30−July 1, 2024. A total of 387 fish were sampled and 190 were analyzed (188 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	1.8%	0.0%	5.6%
Ugashik	7.2%	0.0%	17.4%
Egegik	7.5%	0.0%	21.9%
Naknek	10.4%	4.3%	17.5%
Alagnak	15.0%	5.8%	23.8%
Kvichak	20.0%	12.2%	28.5%
Nushagak	6.9%	0.0%	16.8%
Wood	24.1%	15.5%	32.6%
Igushik	5.2%	0.0%	14.2%
Togiak	0.9%	0.0%	3.2%
Kuskokwim	1.0%	0.0%	4.3%



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: July 2, 2024
7:00 PM

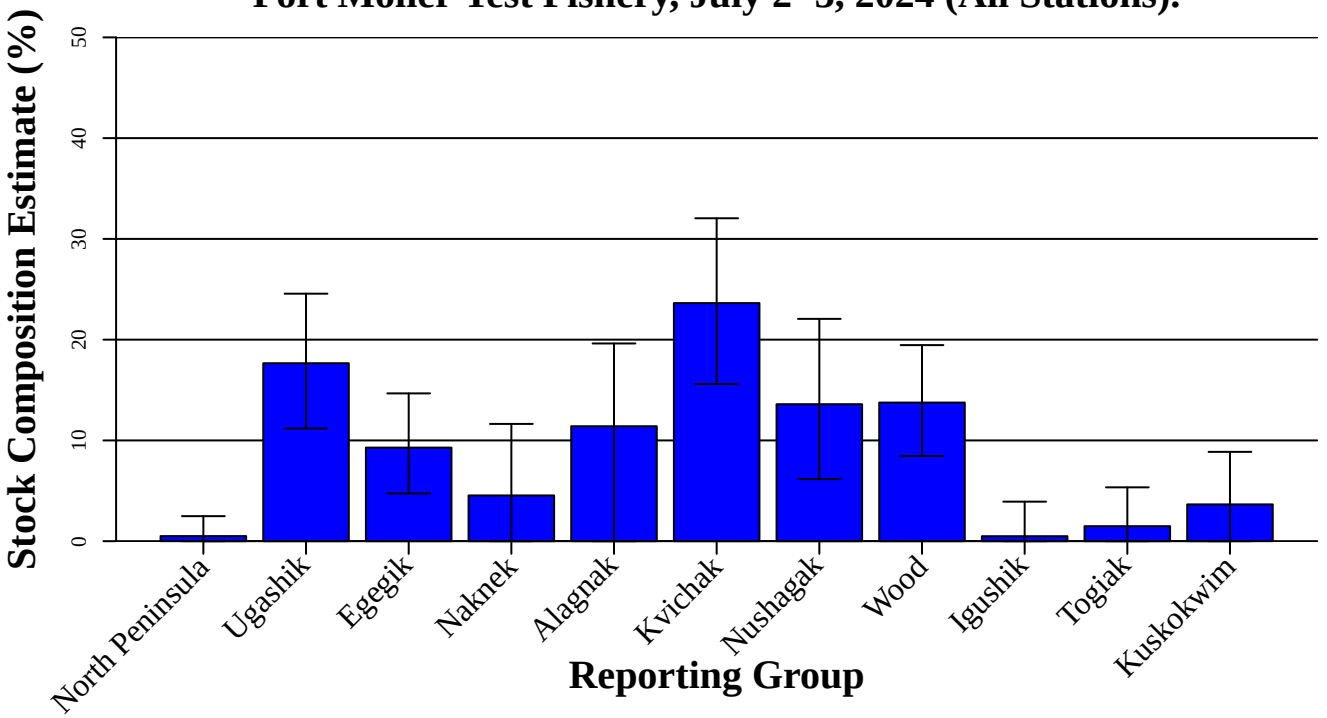
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 2−3, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 2−3, 2024. A total of 675 fish were sampled and 190 were analyzed (190 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.5%	0.0%	2.5%
Ugashik	17.7%	11.2%	24.6%
Egegik	9.3%	4.7%	14.7%
Naknek	4.5%	0.0%	11.6%
Alagnak	11.4%	0.0%	19.6%
Kvichak	23.6%	15.6%	32.0%
Nushagak	13.6%	6.2%	22.1%
Wood	13.8%	8.5%	19.5%
Igushik	0.5%	0.0%	3.9%
Togiak	1.5%	0.0%	5.3%
Kuskokwim	3.6%	0.0%	8.9%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 2−3, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: July 4, 2024
2:00 PM

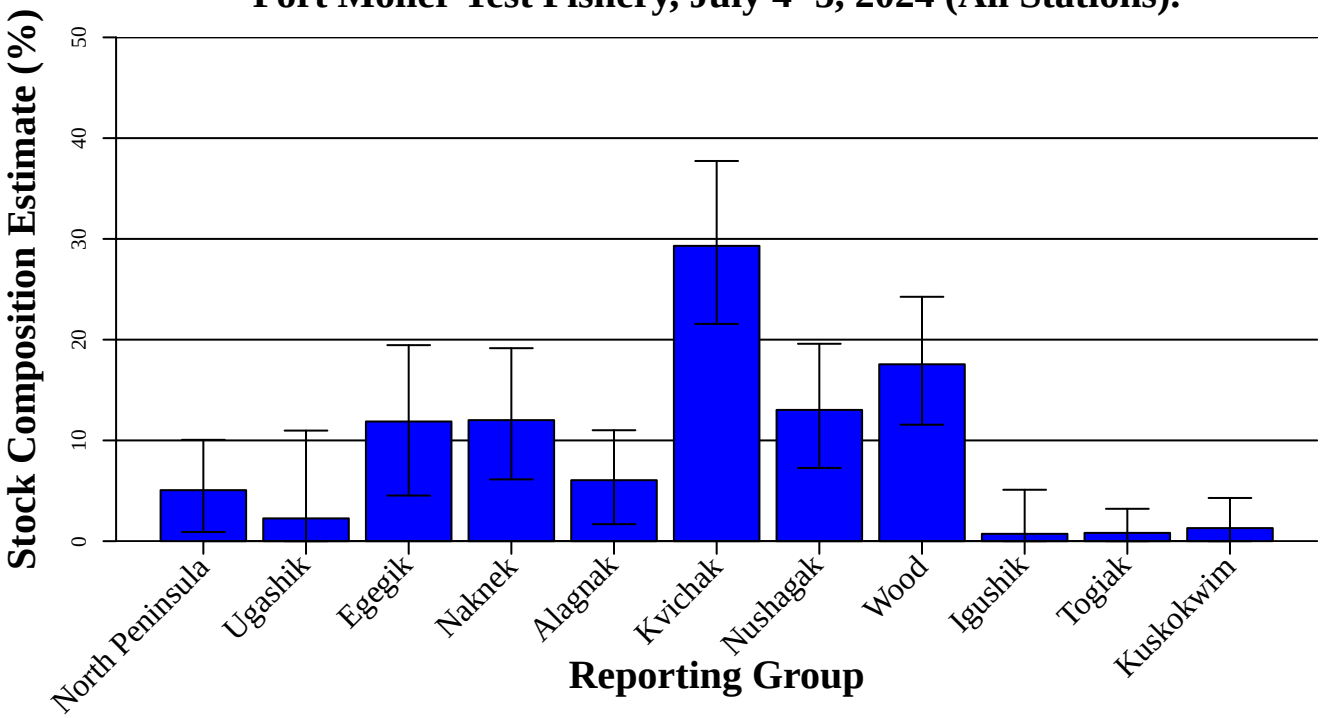
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 4−5, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 4−5, 2024. A total of 843 fish were sampled and 190 were analyzed (187 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	5.1%	0.9%	10.1%
Ugashik	2.3%	0.0%	11.0%
Egegik	11.9%	4.5%	19.5%
Naknek	12.0%	6.1%	19.2%
Alagnak	6.1%	1.7%	11.0%
Kvichak	29.3%	21.6%	37.7%
Nushagak	13.0%	7.3%	19.6%
Wood	17.6%	11.6%	24.3%
Igushik	0.7%	0.0%	5.1%
Togiak	0.8%	0.0%	3.2%
Kuskokwim	1.3%	0.0%	4.3%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 4−5, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: July 6, 2024
4:00 PM

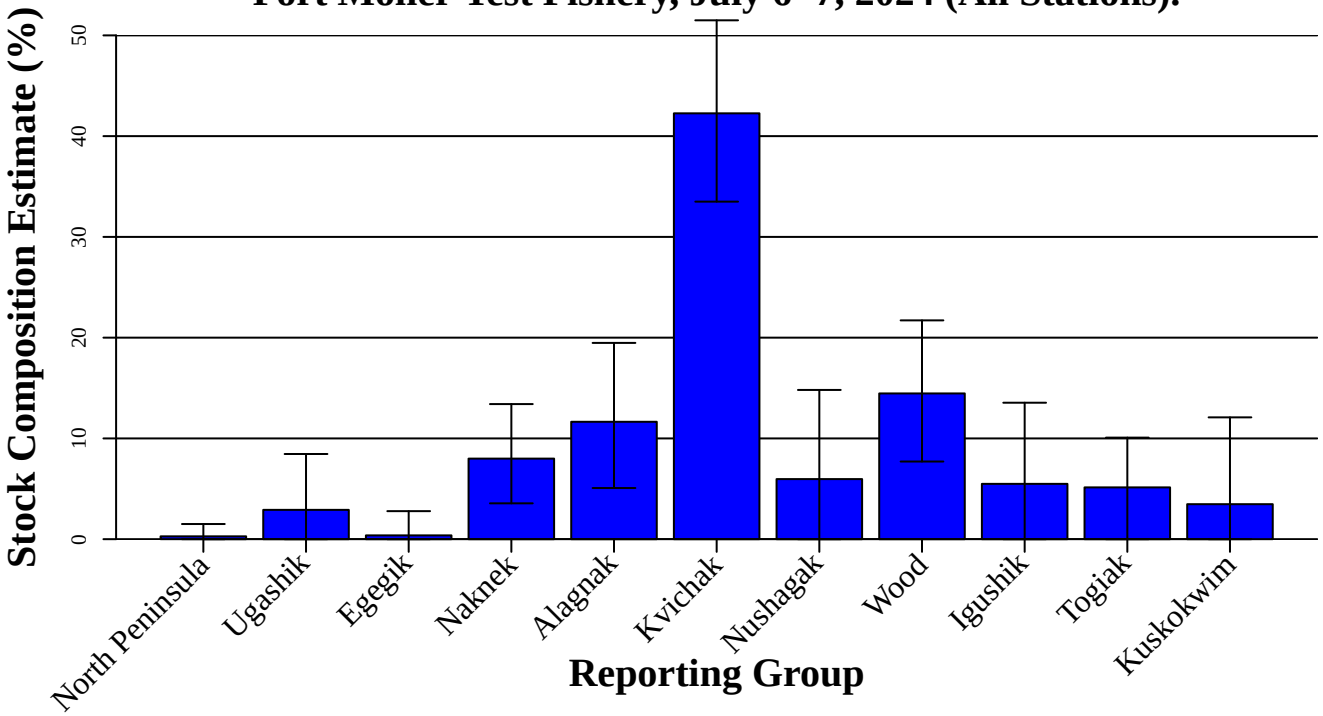
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 6−7, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 6−7, 2024. A total of 282 fish were sampled and 190 were analyzed (190 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.3%	0.0%	1.5%
Ugashik	2.9%	0.0%	8.5%
Egegik	0.4%	0.0%	2.8%
Naknek	8.0%	3.6%	13.4%
Alagnak	11.7%	5.1%	19.5%
Kvichak	42.3%	33.5%	51.5%
Nushagak	6.0%	0.0%	14.8%
Wood	14.5%	7.7%	21.7%
Igushik	5.5%	0.0%	13.5%
Togiak	5.1%	0.0%	10.1%
Kuskokwim	3.5%	0.0%	12.1%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 6−7, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

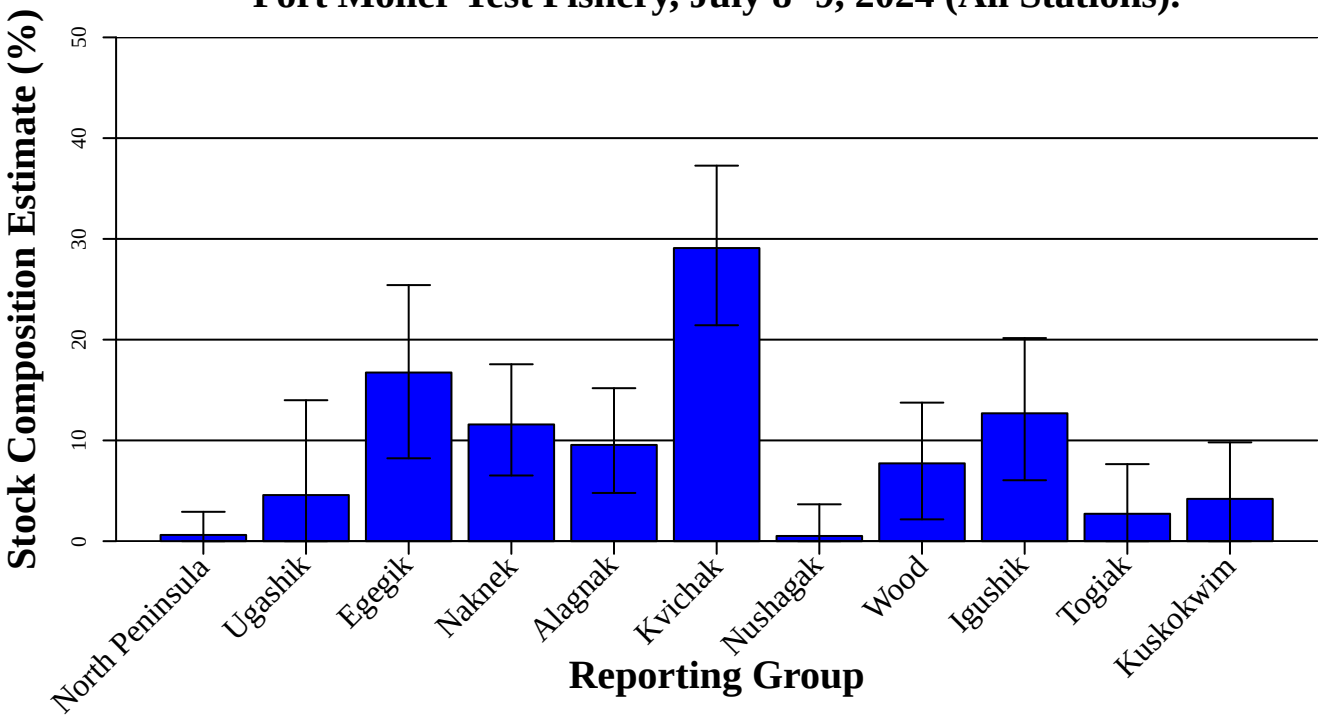
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 8−9, 2024 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 8−9, 2024. A total of 468 fish were sampled and 190 were analyzed (190 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.6%	0.0%	2.9%
Ugashik	4.6%	0.0%	14.0%
Egegik	16.7%	8.2%	25.4%
Naknek	11.6%	6.5%	17.6%
Alagnak	9.6%	4.8%	15.2%
Kvichak	29.1%	21.4%	37.3%
Nushagak	0.5%	0.0%	3.7%
Wood	7.7%	2.2%	13.7%
Igushik	12.7%	6.0%	20.2%
Togiak	2.7%	0.0%	7.6%
Kuskokwim	4.2%	0.0%	9.8%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 8−9, 2024 (All Stations).



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

Reported as of: July 10, 2024
3:00 PM

Appendix C

ADF&G inseason age composition estimates for the Port Moller Test Fishery, inshore districts, and escapement projects, published July 17, 2024.

Year 2024

Management Area Bristol Bay

Species Name Sockeye

Bristol Bay Salmon Fishery

Age Composition Summary - Sockeye Salmon

Date run: 7/17/2024

Note: Totals are weighted by number of samples

						Age						
		Period Start	Period End	Samples	Index	11	21	12	22	13	23	14
Egegik District	*Egegik District Harvest*	6/21/2024	6/21/2024	212	62,142			59.43%	19.34%	5.66%	15.09%	0.47%
		6/23/2024	6/25/2024	620	243,089		0.16%	68.06%	15.48%	6.77%	9.19%	0.32%
		6/27/2024	6/30/2024	421	363,416			66.51%	12.35%	9.98%	9.74%	0.95%
		7/1/2024	7/1/2024	209	108,642			64.59%	9.57%	13.88%	10.53%	1.44%
		7/2/2024	7/6/2024	809	1,826,149			64.77%	18.67%	7.42%	9.15%	
		7/7/2024	7/9/2024	657	702,905			57.38%	24.96%	4.57%	12.63%	0.46%
		7/10/2024	7/12/2024	415	546,647			47.47%	21.69%	13.98%	15.66%	0.96%
		7/13/2024	7/15/2024	619	422,107	0.16%	0.16%	39.26%	23.75%	10.18%	25.85%	0.48%
	Egegik District Harvest Total					*0.03%*	*0.05%*	*58.15%*	*19.21%*	*8.48%*	*13.48%*	*0.50%*
	Egegik River Escapement	6/27/2024	6/30/2024	415	249,270	2.41%	6.75%	74.22%	11.57%	0.72%	3.86%	0.48%
		7/3/2024	7/5/2024	398	361,806	0.75%	5.78%	62.31%	24.12%	1.26%	5.53%	
		7/6/2024	7/8/2024	183	304,602	1.09%	13.11%	63.39%	21.31%	0.55%	0.55%	
	Egegik River Escapement Total					*1.51%*	*7.53%*	*67.47%*	*18.37%*	*0.90%*	*3.92%*	*0.20%*
Naknek-Kvichak District	*Alagnak River Escapement*	7/5/2024	7/6/2024	258	478,128			88.37%	5.04%	6.20%	0.39%	
		7/7/2024	7/9/2024	517	703,950			82.21%	8.90%	8.51%	0.39%	
	Alagnak River Escapement Total							*84.26%*	*7.61%*	*7.74%*	*0.39%*	
	Kvichak River Escapement	7/5/2024	7/6/2024	390	706,866			87.69%	4.87%	6.15%	1.28%	
		7/7/2024	7/9/2024	306	2,338,230			88.24%	5.88%	3.59%	2.29%	
		7/10/2024	7/11/2024	207	939,174			87.44%	6.28%	5.31%	0.97%	
		7/15/2024	7/15/2024	124	324,636			84.68%	8.87%	3.23%	3.23%	
	Kvichak River Escapement Total							*87.44%*	*5.94%*	*4.87%*	*1.75%*	
	Kvichak Section Harvest - Set	7/1/2024	7/1/2024	215	12,732			85.58%	4.65%	6.98%	2.33%	0.47%
		7/5/2024	7/5/2024	216	127,103			62.50%	12.96%	18.52%	5.56%	0.46%
		7/12/2024	7/12/2024	220	61,168			79.09%	13.18%	5.00%	2.27%	
	Kvichak Section Harvest - Set Total							*75.73%*	*10.29%*	*10.14%*	*3.38%*	*0.31%*
	Naknek River Escapement	7/4/2024	7/4/2024	167	140,640			74.25%	19.76%	4.19%	1.80%	
		7/11/2024	7/11/2024	76	27,966			67.11%	18.42%	11.84%	2.63%	
		7/14/2024	7/14/2024	104	35,214			49.04%	20.19%	20.19%	8.65%	1.92%
	Naknek River Escapement Total							*65.13%*	*19.60%*	*10.66%*	*4.03%*	*0.58%*
	Naknek Section Harvest - Set	6/28/2024	6/28/2024	217	5,408			58.06%	19.82%	15.21%	6.91%	
		7/4/2024	7/7/2024	374	207,684			47.86%	12.30%	29.14%	9.89%	0.27%
		7/8/2024	7/10/2024	146	62,420			63.01%	17.12%	17.81%	2.05%	
	Naknek Section Harvest - Set Total							*53.87%*	*15.47%*	*22.80%*	*7.46%*	*0.14%*
	Naknek-Kvichak District Harvest - Drift	6/25/2024	6/27/2024	428	58,259			60.98%	6.78%	20.09%	11.21%	0.47%
		6/28/2024	6/30/2024	415	86,189			69.40%	5.78%	19.28%	4.82%	0.48%
		7/1/2024	7/2/2024	191	182,985			65.45%	7.85%	18.32%	7.85%	0.52%
		7/5/2024	7/6/2024	441	951,437			60.77%	7.48%	24.04%	6.80%	0.91%
		7/7/2024	7/9/2024	533	796,618			63.60%	6.75%	22.70%	6.75%	0.19%
		7/10/2024	7/11/2024	624	1,304,414			58.49%	9.78%	21.47%	9.62%	0.32%
		7/12/2024	7/13/2024	591	1,294,127			60.24%	9.64%	22.34%	6.43%	1.02%

						Age						
		Period Start	Period End	Samples	Index	11	21	12	22	13	23	14
Naknek-Kvichak District	*Naknek-Kvichak District Harvest - Drift Total*							*62.12%*	*7.91%*	*21.53%*	*7.66%*	*0.56%*
Nushagak District	*Igushik River Escapement*	6/30/2024	6/30/2024	23	19,476			86.96%		13.04%		
		7/2/2024	7/2/2024	61	32,754			86.89%	1.64%	9.84%	1.64%	
		7/4/2024	7/4/2024	110	21,504			83.64%		14.55%	1.82%	
		7/6/2024	7/6/2024	80	13,944			86.25%		12.50%		1.25%
	Igushik River Escapement Total							*85.40%*	*0.36%*	*12.77%*	*1.09%*	*0.36%*
	Nushagak District Harvest	6/27/2024	6/28/2024	594	622,173			78.96%	1.68%	18.69%	0.51%	0.17%
		6/29/2024	7/1/2024	802	1,396,176			80.42%	1.50%	15.59%	1.50%	1.00%
		7/3/2024	7/5/2024	597	2,482,350			81.91%	2.51%	13.23%	1.51%	0.67%
		7/6/2024	7/8/2024	414	1,074,118	0.24%		78.99%	4.35%	13.04%	2.90%	0.48%
		7/9/2024	7/12/2024	780	1,415,970			75.90%	2.82%	18.08%	2.05%	1.03%
	Nushagak District Harvest Total					*0.03%*		*79.13%*	*2.42%*	*16.00%*	*1.63%*	*0.72%*
	Nushagak River Escapement	6/9/2024	6/18/2024	90	8,163			76.67%	6.67%	16.67%		
		6/20/2024	6/22/2024	251	64,234			77.29%	0.40%	20.32%	0.40%	1.59%
		6/23/2024	6/25/2024	64	12,177			76.56%		21.88%		1.56%
		6/26/2024	6/28/2024	472	694,867			75.21%		22.67%	0.42%	1.69%
		6/29/2024	7/2/2024	406	223,909		0.25%	85.47%	0.74%	10.10%	0.49%	2.71%
		7/3/2024	7/6/2024	364	295,630	0.27%		87.64%	1.37%	7.42%	0.82%	2.47%
		7/7/2024	7/10/2024	226	154,890	1.33%		88.50%	0.88%	6.19%	0.88%	2.21%
	Nushagak River Escapement Total					*0.21%*	*0.05%*	*81.85%*	*0.91%*	*14.36%*	*0.53%*	*2.03%*
	Nushagak Section Harvest - Set	6/27/2024	6/28/2024	592	136,844			83.11%	2.70%	13.68%	0.17%	0.34%
		6/29/2024	7/3/2024	730	426,493			88.22%	2.74%	8.49%	0.14%	0.41%
		7/6/2024	7/9/2024	609	339,791	0.16%		83.58%	5.25%	10.02%	0.66%	0.33%
	Nushagak Section Harvest - Set Total					*0.05%*		*85.19%*	*3.52%*	*10.56%*	*0.31%*	*0.36%*
	Wood River Escapement	6/21/2024	6/22/2024	11	53,226			90.91%		9.09%		
		6/26/2024	6/27/2024	111	722,826			79.28%	7.21%	13.51%		
		6/28/2024	6/29/2024	239	1,028,820	0.42%		82.43%	3.35%	13.39%	0.42%	
		7/1/2024	7/3/2024	308	561,558			90.58%	3.57%	5.52%	0.32%	
		7/4/2024	7/5/2024	170	335,604			89.41%	5.29%	4.12%	0.59%	0.59%
	Wood River Escapement Total					*0.12%*		*86.53%*	*4.29%*	*8.58%*	*0.36%*	*0.12%*
	Wood River SHA Harvest	7/4/2024	7/4/2024	201	42,965			90.05%	2.49%	7.46%		
		7/8/2024	7/8/2024	194	24,104			80.93%	5.67%	12.37%		1.03%
		7/11/2024	7/12/2024	409	48,901			86.06%	4.16%	9.05%	0.73%	
	Wood River SHA Harvest Total							*85.82%*	*4.10%*	*9.45%*	*0.37%*	*0.25%*
Port Moller	*Port Moller Test Fishery*	6/10/2024	6/10/2024	11	3			45.45%	27.27%	27.27%		
		6/11/2024	6/11/2024	9	2			44.44%	33.33%	11.11%	11.11%	
		6/12/2024	6/12/2024	8	2			37.50%	25.00%	25.00%	12.50%	
		6/13/2024	6/13/2024	6	1			50.00%	16.67%	33.33%		
		6/14/2024	6/14/2024	15	4			53.33%	26.67%	13.33%	6.67%	
		6/15/2024	6/15/2024	23	5			78.26%	8.70%	4.35%	4.35%	4.35%
		6/16/2024	6/16/2024	35	7			74.29%	8.57%	8.57%	8.57%	
		6/17/2024	6/17/2024	102	19			76.47%	10.78%	11.76%	0.98%	
		6/18/2024	6/18/2024	115	24			76.52%	6.09%	12.17%	5.22%	
		6/19/2024	6/19/2024	130	30			71.54%	14.62%	12.31%	1.54%	
		6/20/2024	6/20/2024	257	47			64.20%	14.01%	15.95%	5.84%	
		6/21/2024	6/21/2024	233	45			69.96%	11.59%	15.45%	3.00%	
		6/22/2024	6/22/2024	169	34			69.82%	8.88%	12.43%	6.51%	0.59%
		6/23/2024	6/23/2024	181	35			75.14%	10.50%	11.60%	2.76%	
		6/24/2024	6/24/2024	209	45			75.12%	7.66%	13.88%	2.39%	0.96%
		6/25/2024	6/25/2024	286	71			66.78%	13.64%	13.64%	5.94%	
		6/26/2024	6/26/2024	110	58			68.18%	17.27%	9.09%	4.55%	0.91%

						Age						
		Period Start	Period End	Samples	Index	11	21	12	22	13	23	14
Port Moller	*Port Moller Test Fishery*	6/27/2024	6/27/2024	178	47			69.66%	16.85%	6.18%	6.74%	0.56%
		6/28/2024	6/28/2024	223	46			73.09%	9.42%	13.00%	3.59%	0.90%
		6/29/2024	6/29/2024	238	49			76.05%	8.82%	11.76%	3.36%	
		6/30/2024	6/30/2024	102	19			64.71%	8.82%	18.63%	7.84%	
		7/1/2024	7/1/2024	237	50			70.04%	8.44%	15.61%	5.49%	0.42%
		7/2/2024	7/2/2024	264	63			70.45%	10.23%	12.50%	6.82%	
		7/3/2024	7/3/2024	297	52			64.65%	9.43%	18.86%	6.06%	1.01%
		7/4/2024	7/4/2024	384	89			62.50%	12.24%	15.63%	8.85%	0.52%
		7/5/2024	7/5/2024	349	72			65.62%	16.05%	10.89%	7.45%	
		7/6/2024	7/6/2024	164	32			71.34%	7.93%	17.07%	3.05%	0.61%
		7/7/2024	7/7/2024	98	17			60.20%	10.20%	27.55%	2.04%	
		7/8/2024	7/8/2024	178	35			61.24%	12.92%	16.85%	7.87%	0.56%
		7/9/2024	7/9/2024	241	47			64.32%	9.13%	18.26%	7.47%	0.41%
	Port Moller Test Fishery Total							*68.38%*	*11.40%*	*14.28%*	*5.46%*	*0.35%*
Togiak District	*Togiak District Harvest - Mixed*	7/7/2024	7/10/2024	765	37,319			57.91%	3.14%	37.25%	1.31%	0.39%
	Togiak District Harvest - Mixed Total							*57.91%*	*3.14%*	*37.25%*	*1.31%*	*0.39%*
Ugashik District	*Ugashik District Harvest*	6/23/2024	6/25/2024	406	90,775			66.01%	8.62%	17.49%	7.88%	
		6/27/2024	6/29/2024	429	202,167			81.82%	6.06%	5.36%	6.53%	0.23%
		7/1/2024	7/1/2024	211	92,362			87.20%	0.47%	7.58%	4.74%	
		7/3/2024	7/6/2024	640	1,032,380			75.78%	8.13%	6.56%	9.53%	
		7/7/2024	7/8/2024	399	572,671			68.67%	11.28%	8.77%	11.28%	
		7/9/2024	7/10/2024	217	438,465			79.26%	7.83%	5.07%	7.83%	
		7/11/2024	7/13/2024	413	561,630			77.97%	7.99%	6.78%	7.02%	
	Ugashik District Harvest Total							*75.73%*	*7.70%*	*8.32%*	*8.18%*	*0.04%*
	Ugashik River Escapement	7/2/2024	7/2/2024	73	18,132			98.63%	1.37%			
		7/4/2024	7/7/2024	210	187,488	0.48%		92.38%	4.76%	1.43%	0.95%	
		7/8/2024	7/10/2024	111	502,614	1.80%	0.90%	83.78%	9.01%	2.70%	1.80%	
	Ugashik River Escapement Total					*0.76%*	*0.25%*	*91.12%*	*5.33%*	*1.52%*	*1.02%*	
Sockeye Salmon Total						**0.09%**	**0.27%**	**72.13%**	**8.88%**	**12.93%**	**5.14%**	**0.47%**

Rows 1 - 120 (All Rows)

Age Comp Forecast

Sockeye 2024

	Forecast Percent			
Sampling Group Name	12	22	13	23
Alagnak River Escapement	43.0%	6.0%	48.0%	3.0%
Egegik District Harvest	32.0%	43.0%	11.0%	14.0%
Egegik River Escapement	32.0%	43.0%	11.0%	14.0%
Igushik River Escapement	36.0%	1.0%	62.0%	2.0%
Kvichak River Escapement	66.0%	14.0%	17.0%	4.0%
Kvichak Section Harvest - Set	66.0%	14.0%	17.0%	4.0%
Naknek River Escapement	45.0%	7.0%	42.0%	7.0%
Naknek Section Harvest - Set	45.0%	7.0%	42.0%	7.0%
Naknek-Kvichak District Harvest - Drift	53.0%	10.0%	32.0%	5.0%
Nushagak District Harvest	50.0%	3.0%	43.0%	3.0%
Nushagak River Escapement	30.0%	4.0%	62.0%	1.0%
Nushagak Section Harvest - Set	30.0%	4.0%	62.0%	1.0%
Port Moller Test Fishery	50.0%	13.0%	31.0%	5.0%
Togiak District Harvest - Mixed	35.0%	1.0%	63.0%	1.0%
Togiak River Escapement	35.0%	1.0%	63.0%	1.0%
Ugashik District Harvest	64.0%	17.0%	14.0%	4.0%
Ugashik River Escapement	64.0%	17.0%	14.0%	4.0%
Wood River Escapement	61.0%	3.0%	32.0%	4.0%
Wood River SHA Harvest	61.0%	3.0%	32.0%	4.0%

Appendix D

The 34 ADF&G daily run summaries for Bristol Bay in 2024.

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Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-17-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	518	518	0	0	0	518
Egegik	5,082	6,121	48	48	0	6,169
Togiak	0	0	0	0	0	0
Totals:	5,600	6,639	48	48	0	6,687

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	48	48	0
Wood River	606	606	0
Nushagak River	1,792	4,571	0

Sockeye per Drift Delivery for: 06-17-2024

District	Sockeye per Delivery
Ugashik	31
Egegik	40
Naknek-Kvichak	6
Nushagak	0
Togiak	0

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-13 00:00:00.0	1	8
2024-06-14 00:00:00.0	4	12
2024-06-15 00:00:00.0	5	17
2024-06-16 00:00:00.0	7	24
2024-06-17 00:00:00.0	19	43

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-18-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	2,186	3,398	0	0	0	3,398
Egegik	0	6,150	0	48	0	6,198
Naknek-Kvichak	325	413	0	0	0	413
Totals:	2,511	9,961	0	48	0	10,009

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	0	48	0
Wood River	2,400	3,006	0
Nushagak River	3,605	8,176	0

Sockeye per Drift Delivery for: 06-18-2024

District	Sockeye per Delivery
Ugashik	75
Egegik	0
Naknek-Kvichak	54
Nushagak	0
Togiak	0

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-14 00:00:00.0	4	12
2024-06-15 00:00:00.0	5	17
2024-06-16 00:00:00.0	7	24
2024-06-17 00:00:00.0	19	43
2024-06-18 00:00:00.0	24	67

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-19-2024 Go!

Total Run Summary

District	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	7,860	0	0	0	7,860
Egegik	21,941	42	90	0	22,031
Naknek-Kvichak	994	0	0	0	994
Totals:	30,795	42	90	0	30,885

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	42	90	0
Wood River	22,584	25,590	0
Nushagak River	15,937	24,113	0

Sockeye per Drift Delivery for: 06-19-2024

District	Sockeye per Delivery
Ugashik	124
Egegik	94
Naknek-Kvichak	88
Nushagak	0
Togiak	31

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-15 00:00:00.0	5	17
2024-06-16 00:00:00.0	7	24
2024-06-17 00:00:00.0	19	43
2024-06-18 00:00:00.0	24	67
2024-06-19 00:00:00.0	30	97

Registrations as of: June 20, 9:00am - and - June 22, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Togiak	11	11	11	11		
Ugashik	104	106	70	71	34	35
Naknek-Kvichak	44	46	37	38	7	8
Egegik	223	225	154	156	69	69
Nushagak	38	39	30	31	8	8
Total	**420**	**427**	**302**	**307**	**118**	**120**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	99.1	0.9

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	62.7	37.3

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	56.5	5.3	38.1

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set
Percentage	100

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-20-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	10,722	18,582	0	0	0	18,582
Egegik	0	21,941	2,658	2,754	0	24,695
Naknek-Kvichak	611	1,605	0	0	0	1,605
Totals:	11,333	42,128	2,658	2,754	0	44,882

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	2,658	2,754	0
Wood River	63,300	88,890	0
Nushagak River	27,057	51,170	0

Sockeye per Drift Delivery for: 06-20-2024

District	Sockeye per Delivery
Ugashik	189
Egegik	0
Naknek-Kvichak	28
Nushagak	0
Togiak	78

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-16 00:00:00.0	7	24
2024-06-17 00:00:00.0	19	43
2024-06-18 00:00:00.0	24	67
2024-06-19 00:00:00.0	30	97
2024-06-20 00:00:00.0	47	144

Registrations as of: June 21, 9:00am - and - June 23, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Nushagak	45	51	37	41	8	10
Togiak	12	12	12	12		
Egegik	260	282	185	201	75	81
Ugashik	106	103	71	69	35	34
Naknek-Kvichak	51	56	43	47	8	9
Total	**474**	**504**	**348**	**370**	**126**	**134**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	98.9	1.1

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	62.7	37.3

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	44.6	11	44.4

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set
Percentage	100

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-21-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	3,456	22,038	0	0	0	22,038
Egegik	62,142	84,083	1,116	3,870	0	87,953
Naknek-Kvichak	0	1,605	48	48	0	1,653
Totals:	65,598	107,726	1,164	3,918	0	111,644

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	1,116	3,870	0
Naknek River	48	48	0
Wood River	33,330	122,220	0
Nushagak River	21,344	72,514	0

Sockeye per Drift Delivery for: 06-21-2024

District	Sockeye per Delivery
Ugashik	111
Egegik	278
Naknek-Kvichak	0
Nushagak	0
Togiak	79

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-17 00:00:00.0	19	43
2024-06-18 00:00:00.0	24	67
2024-06-19 00:00:00.0	30	97
2024-06-20 00:00:00.0	47	144
2024-06-21 00:00:00.0	45	189

Registrations as of: June 22, 9:00am - and - June 24, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Togiak	12	12	12	12		
Naknek-Kvichak	59	62	50	53	9	9
Ugashik	87	85	56	55	31	30
Nushagak	58	105	47	84	11	21
Egegik	273	271	192	190	81	81
Total	**489**	**535**	**357**	**394**	**132**	**141**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	99.1	0.9

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	74.5	25.5

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	44.6	11	44.4

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set
Percentage	100

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-22-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	0	22,038	0	0	0	22,038
Egegik	0	84,083	480	4,350	0	88,433
Naknek-Kvichak	0	1,605	294	342	0	1,947
Totals:	0	107,726	774	4,692	0	112,418

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	480	4,350	0
Kvichak River	72	72	0
Naknek River	222	270	0
Wood River	19,896	142,116	0
Nushagak River	15,833	88,347	0

Sockeye per Drift Delivery for: 06-22-2024

District	Sockeye per Delivery
Ugashik	0
Egegik	0
Naknek-Kvichak	0
Nushagak	0
Togiak	0

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-18 00:00:00.0	24	67
2024-06-19 00:00:00.0	30	97
2024-06-20 00:00:00.0	47	144
2024-06-21 00:00:00.0	45	189
2024-06-22 00:00:00.0	34	223

Registrations as of: June 23, 9:00am - and - June 25, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Egegik	259	266	184	190	75	76
Ugashik	96	124	65	81	31	43
Nushagak	86	142	65	110	21	32
Togiak	13	13	13	13		
Naknek-Kvichak	63	71	54	61	9	10

Total	**517**	**616**	**381**	**455**	**136**	**161**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	99.1	0.9

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	74.5	25.5

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	44.6	11	44.4

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set
Percentage	100

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-23-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	24,576	46,614	0	0	0	46,614
Egegik	97,020	181,103	522	4,872	0	185,975
Naknek-Kvichak	0	1,605	210	552	0	2,157
Totals:	121,596	229,322	732	5,424	0	234,746

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	522	4,872	0
Kvichak River	114	186	0
Naknek River	96	366	0
Wood River	11,568	153,684	0
Nushagak River	4,042	92,389	0

Sockeye per Drift Delivery for: 06-23-2024

District	Sockeye per Delivery
Ugashik	270
Egegik	495
Naknek-Kvichak	0
Nushagak	0
Togiak	0

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-19 00:00:00.0	30	97
2024-06-20 00:00:00.0	47	144
2024-06-21 00:00:00.0	45	189
2024-06-22 00:00:00.0	34	223
2024-06-23 00:00:00.0	35	258

Registrations as of: June 24, 9:00am - and - June 26, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Egegik	257	254	187	187	70	67
Togiak	13	13	13	13		
Ugashik	113	112	77	76	36	36
Nushagak	135	243	107	177	28	66
Naknek-Kvichak	83	88	73	76	10	12

Total	**601**	**710**	**457**	**529**	**144**	**181**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	94.3	5.7

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	88.2	11.8

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	44.6	11	44.4

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set
Percentage	100

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-24-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	0	46,614	0	0	0	46,614
Egegik	63,849	244,952	30	4,902	0	249,854
Naknek-Kvichak	0	1,605	246	798	0	2,403
Totals:	63,849	293,171	276	5,700	0	298,871

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	30	4,902	0
Kvichak River	174	360	0
Naknek River	72	438	0
Wood River	3,168	156,852	0
Nushagak River	760	93,149	0

Sockeye per Drift Delivery for: 06-24-2024

District	Sockeye per Delivery
Ugashik	0
Egegik	267
Naknek-Kvichak	0
Nushagak	0
Togiak	73

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-20 00:00:00.0	47	144
2024-06-21 00:00:00.0	45	189
2024-06-22 00:00:00.0	34	223
2024-06-23 00:00:00.0	35	258
2024-06-24 00:00:00.0	45	303

Registrations as of: June 25, 9:00am - and - June 27, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Togiak	14	14	14	14		
Ugashik	123	153	83	101	40	52
Naknek-Kvichak	107	170	92	139	15	31
Egegik	233	235	174	176	59	59
Nushagak	263	377	207	279	56	98

Total	**740**	**949**	**570**	**709**	**170**	**240**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	94.3	5.7

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	83.4	16.6

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	44.6	11	44.4

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set
Percentage	100

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-25-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	66,199	112,813	0	0	0	112,813
Egegik	82,220	327,172	6,942	11,844	0	339,016
Naknek-Kvichak	26,620	28,436	3,702	4,500	0	32,936
Togiak	1,024	3,081	0	0	0	3,081
Totals:	176,063	471,502	10,644	16,344	0	487,846

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	6,942	11,844	0
Kvichak River	366	726	0
Naknek River	3,336	3,774	0
Igushik River	342	342	0
Wood River	33,750	190,602	0
Nushagak River	7,375	100,524	0

Sockeye per Drift Delivery for: 06-25-2024

District	Sockeye per Delivery
Ugashik	596
Egegik	436
Naknek-Kvichak	161
Nushagak	0
Togiak	52

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-21 00:00:00.0	45	189
2024-06-22 00:00:00.0	34	223
2024-06-23 00:00:00.0	35	258
2024-06-24 00:00:00.0	45	303
2024-06-25 00:00:00.0	72	375

Registrations as of: June 26, 9:00am - and - June 28, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Nushagak	420	467	312	345	108	122
Ugashik	152	165	104	112	48	53
Togiak	14	14	14	14		

Egegik	235	235	174	174	61	61
Naknek-Kvichak	229	244	181	192	48	52
Total	**1,050**	**1,125**	**785**	**837**	**265**	**288**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	90.8	9.2

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	82.8	17.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	6.1	4.4	89.6

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set
Percentage	100

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-26-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	0	112,813	0	0	0	112,813
Egegik	0	327,172	246	12,090	0	339,262
Naknek-Kvichak	0	28,409	210	4,746	0	33,155
Nushagak	247,767	271,751	536,801	828,269	0	1,100,020
Togiak	57	3,138	0	0	0	3,138
Totals:	247,824	743,283	537,257	845,105	0	1,588,388

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Egegik River	246	12,090	0
Kvichak River	144	906	0
Naknek River	66	3,840	0
Igushik River	138	480	0
Wood River	244,422	435,024	0
Nushagak River	292,241	392,765	0

Sockeye per Drift Delivery for: 06-26-2024

District	Sockeye per Delivery
Ugashik	0
Egegik	0
Naknek-Kvichak	0
Nushagak	694
Togiak	0

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-21 00:00:00.0	45	189
2024-06-22 00:00:00.0	34	223
2024-06-23 00:00:00.0	35	258
2024-06-24 00:00:00.0	45	303
2024-06-25 00:00:00.0	72	375

Registrations as of: June 27, 9:00am - and - June 29, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Nushagak	691	696	502	506	189	190
Naknek-Kvichak	248	264	195	207	53	57

Egegik	235	234	175	174	60	60
Ugashik	169	172	114	116	55	56
Togiak	14	14	14	14		
Total	**1,357**	**1,380**	**1,000**	**1,017**	**357**	**363**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	90.8	9.2

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	82.8	17.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	6.1	4.4	89.5

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	9.1	85.3	5.6

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-27-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	95,795	208,608	3,462	3,462	0	212,070
Egegik	170,359	497,531	79,578	91,668	0	589,199
Naknek-Kvichak	49,859	78,268	1,800	6,546	0	84,814
Nushagak	364,784	636,444	725,993	1,554,262	0	2,190,706
Togiak	1,487	4,625	0	0	0	4,625
Totals:	682,284	1,425,476	810,833	1,655,938	0	3,081,414

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	3,462	3,462	0
Egegik River	79,578	91,668	0
Kvichak River	942	1,848	0
Naknek River	858	4,698	0
Igushik River	684	1,164	0
Wood River	478,404	913,428	0
Nushagak River	246,905	639,670	0

Sockeye per Drift Delivery for: 06-27-2024

District	Sockeye per Delivery
Ugashik	665
Egegik	683
Naknek-Kvichak	158
Nushagak	561
Togiak	145

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-23 00:00:00.0	35	258
2024-06-24 00:00:00.0	45	303
2024-06-25 00:00:00.0	70	373
2024-06-26 00:00:00.0	62	435
2024-06-27 00:00:00.0	46	481

Registrations as of: June 28, 9:00am - and - June 30, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Naknek-Kvichak	326	332	250	255	76	77

Egegik	239	240	176	177	63	63
Nushagak	750	755	540	544	210	211
Togiak	15	15	15	15		
Ugashik	179	185	121	125	58	60
Total	**1,509**	**1,527**	**1,102**	**1,116**	**407**	**411**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	88	12

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	79.2	20.8

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	18.5	6	75.6

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	5.7	79.6	14.7

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-28-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	0	208,608	6,888	10,350	0	218,958
Egegik	71,815	569,346	96,390	188,058	0	757,404
Naknek-Kvichak	38,351	116,619	2,430	8,976	0	125,595
Nushagak	415,521	1,051,965	731,643	2,285,905	0	3,337,870
Togiak	673	5,298	0	0	0	5,298
Totals:	526,360	1,951,836	837,351	2,493,289	0	4,445,125

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	6,888	10,350	0
Egegik River	96,390	188,058	0
Kvichak River	1,530	3,378	0
Naknek River	900	5,598	0
Igushik River	4,212	5,376	0
Wood River	571,710	1,485,138	0
Nushagak River	155,721	795,391	0

Sockeye per Drift Delivery for: 06-28-2024

District	Sockeye per Delivery
Ugashik	0
Egegik	345
Naknek-Kvichak	77
Nushagak	416
Togiak	66

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-24 00:00:00.0	45	303
2024-06-25 00:00:00.0	71	374
2024-06-26 00:00:00.0	65	439
2024-06-27 00:00:00.0	49	488
2024-06-28 00:00:00.0	46	534

Registrations as of: June 29, 9:00am - and - July 01, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Togiak	16	16	16	16		

Ugashik	187	193	126	131	61	62
Nushagak	755	757	543	545	212	212
Egegik	240	245	177	180	63	65
Naknek-Kvichak	340	347	260	266	80	81
Total	**1,538**	**1,558**	**1,122**	**1,138**	**416**	**420**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	88	12

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	79.8	20.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	27.3	8.4	64.3

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	4.4	81.2	14.5

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-29-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	106,372	314,980	9,318	19,968	0	334,948
Egegik	0	569,346	19,902	207,960	40,000	817,306
Naknek-Kvichak	10,581	127,427	4,740	13,716	200,000	341,143
Nushagak	676,494	1,728,499	542,401	2,828,306	0	4,556,805
Togiak	0	5,298	0	0	0	5,298
Totals:	793,447	2,745,550	576,361	3,069,950	240,000	6,055,500

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	9,318	19,968	0
Egegik River	19,902	207,960	40,000
Kvichak River	1,614	4,992	200,000
Naknek River	3,126	8,724	0
Igushik River	18,486	23,862	0
Wood River	457,110	1,942,248	0
Nushagak River	66,805	862,196	0

Sockeye per Drift Delivery for: 06-29-2024

District	Sockeye per Delivery
Ugashik	766
Egegik	0
Naknek-Kvichak	1,390
Nushagak	737
Togiak	0

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-25 00:00:00.0	71	374
2024-06-26 00:00:00.0	65	439
2024-06-27 00:00:00.0	47	486
2024-06-28 00:00:00.0	46	532
2024-06-29 00:00:00.0	49	581

Registrations as of: June 30, 9:00am - and - July 02, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Ugashik	199	207	136	142	63	65

Togiak	16	16	16	16		
Nushagak	757	760	546	549	211	211
Naknek-Kvichak	369	376	278	285	91	91
Egegik	244	250	179	183	65	67
Total	**1,585**	**1,609**	**1,155**	**1,175**	**430**	**434**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	89.9	10.1

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	79.8	20.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	29.6	9.4	61

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	3	83	14

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 06-30-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	0	314,980	12,084	32,052	40,000	387,032
Egegik	121,242	690,588	53,400	261,360	30,000	981,948
Naknek-Kvichak	89,337	216,764	23,598	37,314	200,000	454,078
Nushagak	739,888	2,468,387	273,706	3,102,012	0	5,570,399
Togiak	0	5,298	0	0	0	5,298
Totals:	950,467	3,696,017	362,788	3,432,738	270,000	7,398,755

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	12,084	32,052	40,000
Egegik River	53,400	261,360	30,000
Kvichak River	19,968	24,960	200,000
Naknek River	3,630	12,354	0
Igushik River	19,476	43,338	0
Wood River	232,422	2,174,670	0
Nushagak River	21,808	884,004	0

Sockeye per Drift Delivery for: 06-30-2024

District	Sockeye per Delivery
Ugashik	0
Egegik	646
Naknek-Kvichak	342
Nushagak	732
Togiak	0

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-26 00:00:00.0	67	441
2024-06-27 00:00:00.0	47	488
2024-06-28 00:00:00.0	46	534
2024-06-29 00:00:00.0	49	583
2024-06-30 00:00:00.0	19	602

Registrations as of: July 01, 9:00am - and - July 03, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Nushagak	754	744	540	536	214	208

Ugashik	204	213	140	146	64	67
Togiak	16	16	16	16		
Egegik	250	250	183	183	67	67
Naknek-Kvichak	382	391	290	299	92	92
Total	**1,606**	**1,614**	**1,169**	**1,180**	**437**	**434**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	89.9	10.1

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	82.8	17.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift	Unspecified
Percentage	27.2	5.7	67	0.1

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.6	80.8	16.6

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-01-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	92,362	407,342	8,304	40,356	30,000	477,698
Egegik	108,642	799,230	12,480	273,840	15,000	1,088,070
Naknek-Kvichak	131,352	348,153	93,990	131,304	150,000	629,457
Nushagak	442,069	2,901,891	258,387	3,360,399	0	6,262,290
Togiak	5,155	10,453	0	0	0	10,453
Totals:	779,580	4,467,069	373,161	3,805,899	195,000	8,467,968

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	8,304	40,356	30,000
Egegik River	12,480	273,840	15,000
Kvichak River	73,536	98,496	150,000
Alagnak River	18,600	18,600	0
Naknek River	1,854	14,208	0
Igushik River	29,550	72,888	0
Wood River	186,174	2,360,844	0
Nushagak River	42,663	926,667	0

Sockeye per Drift Delivery for: 07-01-2024

District	Sockeye per Delivery
Ugashik	602
Egegik	585
Naknek-Kvichak	427
Nushagak	457
Togiak	147

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-27 00:00:00.0	47	483
2024-06-28 00:00:00.0	46	529
2024-06-29 00:00:00.0	49	578
2024-06-30 00:00:00.0	19	597
2024-07-01 00:00:00.0	51	648

Registrations as of: July 02, 9:00am - and - July 04, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.

Egegik	237	237	172	172	65	65
Naknek-Kvichak	389	427	296	328	93	99
Ugashik	208	224	142	153	66	71
Togiak	17	17	17	17		
Nushagak	730	727	523	521	207	206
Total	**1,581**	**1,632**	**1,150**	**1,191**	**431**	**441**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	89.9	10.1

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	84.2	15.8

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	20.6	3.8	75.6

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.8	77.5	19.7

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-02-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	0	407,342	18,132	58,488	40,000	505,830
Egegik	234,020	1,033,250	9,222	283,062	30,000	1,346,312
Naknek-Kvichak	115,117	463,270	118,038	249,342	180,000	892,612
Nushagak	504,244	3,406,135	353,021	3,713,420	0	7,119,555
Togiak	4,864	15,317	0	0	0	15,317
Totals:	858,245	5,325,314	498,413	4,304,312	250,000	9,879,626

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	18,132	58,488	40,000
Egegik River	9,222	283,062	30,000
Kvichak River	82,434	180,930	180,000
Alagnak River	11,538	30,138	0
Naknek River	24,066	38,274	0
Igushik River	32,754	105,642	0
Wood River	227,634	2,588,478	0
Nushagak River	92,633	1,019,300	0

Sockeye per Drift Delivery for: 07-02-2024

District	Sockeye per Delivery
Ugashik	0
Egegik	1,138
Naknek-Kvichak	221
Nushagak	518
Togiak	90

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-28 00:00:00.0	46	526
2024-06-29 00:00:00.0	49	575
2024-06-30 00:00:00.0	19	594
2024-07-01 00:00:00.0	50	644
2024-07-02 00:00:00.0	63	707

Registrations as of: July 03, 9:00am - and - July 05, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.

Togiak	17	18	17	18		
Nushagak	696	691	499	496	197	195
Naknek-Kvichak	398	466	304	354	94	112
Ugashik	211	225	144	154	67	71
Egegik	239	241	173	175	66	66
Total	**1,561**	**1,641**	**1,137**	**1,197**	**424**	**444**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	89.9	10.1

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	81.6	18.4

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	23	6.1	70.9

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.6	77.9	19.5

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-03-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	247,752	655,094	26,994	85,482	60,000	800,576
Egegik	392,812	1,426,062	50,040	333,102	100,000	1,859,164
Naknek-Kvichak	403,423	866,693	93,888	343,230	250,000	1,459,923
Nushagak	574,210	3,980,625	230,503	3,943,923	0	7,924,548
Togiak	6,692	22,009	0	0	0	22,009
Totals:	1,624,889	6,950,483	401,425	4,705,737	410,000	12,066,220

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	26,994	85,482	60,000
Egegik River	50,040	333,102	100,000
Kvichak River	61,146	242,076	250,000
Alagnak River	11,094	41,232	0
Naknek River	21,648	59,922	0
Igushik River	31,236	136,878	0
Wood River	147,750	2,736,228	0
Nushagak River	51,517	1,070,817	0

Sockeye per Drift Delivery for: 07-03-2024

District	Sockeye per Delivery
Ugashik	1,351
Egegik	1,320
Naknek-Kvichak	846
Nushagak	520
Togiak	99

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-29 00:00:00.0	49	574
2024-06-30 00:00:00.0	19	593
2024-07-01 00:00:00.0	50	643
2024-07-02 00:00:00.0	63	706
2024-07-03 00:00:00.0	52	758

Registrations as of: July 04, 9:00am - and - July 06, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.

Nushagak	682	681	491	490	191	191
Ugashik	222	226	151	155	71	71
Togiak	18	18	18	18		
Egegik	239	241	173	175	66	66
Naknek-Kvichak	432	482	332	363	100	119
Total	**1,593**	**1,648**	**1,165**	**1,201**	**428**	**447**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	87.1	12.9

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	80	20

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	21.9	9.8	68.3

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.3	78.1	19.6

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-04-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	218,266	873,432	32,970	118,452	170,000	1,161,884
Egegik	460,061	1,886,123	144,024	477,126	100,000	2,463,249
Naknek-Kvichak	375,427	1,242,197	250,374	593,604	330,000	2,165,801
Nushagak	1,539,437	5,520,270	177,029	4,120,952	0	9,641,222
Togiak	3,949	25,958	0	0	0	25,958
Totals:	2,597,140	9,547,980	604,397	5,310,134	600,000	15,458,114

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	32,970	118,452	170,000
Egegik River	144,024	477,126	100,000
Kvichak River	55,020	297,096	330,000
Alagnak River	54,714	95,946	0
Naknek River	140,640	200,562	0
Igushik River	21,504	158,382	0
Wood River	108,486	2,844,714	0
Nushagak River	47,039	1,117,856	0

Sockeye per Drift Delivery for: 07-04-2024

District	Sockeye per Delivery
Ugashik	1,116
Egegik	1,161
Naknek-Kvichak	720
Nushagak	1,424
Togiak	83

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-06-30 00:00:00.0	19	597
2024-07-01 00:00:00.0	50	647
2024-07-02 00:00:00.0	63	710
2024-07-03 00:00:00.0	52	762
2024-07-04 00:00:00.0	89	851

Registrations as of: July 05, 9:00am - and - July 07, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.

Ugashik	225	229	154	157	71	72
Egegik	236	236	171	171	65	65
Togiak	19	19	19	19		
Nushagak	648	642	470	466	178	176
Naknek-Kvichak	469	525	356	392	113	133
Total	**1,597**	**1,651**	**1,170**	**1,205**	**427**	**446**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	84.2	15.8

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	77	23

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	22.8	11.4	65.8

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.2	78.6	19.2

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-05-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	315,700	1,189,132	52,272	170,724	200,000	1,559,856
Egegik	398,016	2,284,139	167,742	644,868	150,000	3,079,007
Naknek-Kvichak	698,265	1,962,400	558,840	1,152,444	1,400,000	4,514,844
Nushagak	1,006,859	6,527,144	348,172	4,469,124	0	10,996,268
Togiak	7,420	33,344	828	828	0	34,172
Totals:	2,426,260	11,996,159	1,127,854	6,437,988	1,750,000	20,184,147

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	52,272	170,724	200,000
Egegik River	167,742	644,868	150,000
Kvichak River	254,250	551,346	1,400,000
Alagnak River	186,612	282,558	0
Naknek River	117,978	318,540	0
Igushik River	15,696	174,078	0
Wood River	227,118	3,071,832	0
Nushagak River	105,358	1,223,214	0
Togiak River	828	828	0

Sockeye per Drift Delivery for: 07-05-2024

District	Sockeye per Delivery
Ugashik	1,948
Egegik	1,055
Naknek-Kvichak	1,027
Nushagak	1,196
Togiak	194

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-01 00:00:00.0	50	647
2024-07-02 00:00:00.0	63	710
2024-07-03 00:00:00.0	52	762
2024-07-04 00:00:00.0	89	851
2024-07-05 00:00:00.0	73	924

Registrations as of: July 06, 9:00am - and - July 08, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Egegik	234	234	169	169	65	65
Togiak	19	19	19	19		
Nushagak	590	584	434	430	156	154
Ugashik	226	233	155	159	71	74
Naknek-Kvichak	486	582	365	429	121	153
Total	**1,555**	**1,652**	**1,142**	**1,206**	**413**	**446**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	88.4	11.6

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.5	23.5

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	20.9	10.4	68.6

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.4	78.7	18.9

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-06-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	250,510	1,439,642	23,586	194,310	300,000	1,933,952
Egegik	341,240	2,625,379	135,582	780,450	150,000	3,555,829
Naknek-Kvichak	590,578	2,552,978	842,508	1,994,952	1,200,000	5,747,930
Nushagak	744,739	7,271,868	324,720	4,793,844	0	12,065,712
Togiak	8,249	41,593	4,974	5,802	0	47,395
Totals:	1,935,316	13,931,460	1,331,370	7,769,358	1,650,000	23,350,818

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	23,586	194,310	300,000
Egegik River	135,582	780,450	150,000
Kvichak River	452,616	1,003,962	1,200,000
Alagnak River	291,516	574,074	0
Naknek River	98,376	416,916	0
Igushik River	13,944	188,022	0
Wood River	219,060	3,290,892	0
Nushagak River	91,716	1,314,930	0
Togiak River	4,974	5,802	0

Sockeye per Drift Delivery for: 07-06-2024

District	Sockeye per Delivery
Ugashik	1,545
Egegik	1,023
Naknek-Kvichak	875
Nushagak	1,016
Togiak	174

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-02 00:00:00.0	63	706
2024-07-03 00:00:00.0	52	758
2024-07-04 00:00:00.0	89	847
2024-07-05 00:00:00.0	72	919
2024-07-06 00:00:00.0	32	951

Registrations as of: July 07, 9:00am - and - July 09, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Ugashik	228	237	156	162	72	75
Nushagak	484	483	356	355	128	128
Naknek-Kvichak	529	701	394	515	135	186
Egegik	220	220	160	160	60	60
Togiak	19	19	19	19		
Total	**1,480**	**1,660**	**1,085**	**1,211**	**395**	**449**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	89.3	10.7

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.6	23.4

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	19.7	10.2	70.1

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.5	78.9	18.6

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-07-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	296,494	1,736,216	78,660	272,970	450,000	2,459,186
Egegik	317,608	2,942,987	102,816	883,266	150,000	3,976,253
Naknek-Kvichak	318,466	2,871,468	976,932	2,971,884	1,300,000	7,143,352
Nushagak	563,626	7,835,494	284,724	5,078,568	0	12,914,062
Togiak	7,414	49,007	5,172	10,974	0	59,981
Totals:	1,503,608	15,435,172	1,448,304	9,217,662	1,900,000	26,552,834

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	78,660	272,970	450,000
Egegik River	102,816	883,266	150,000
Kvichak River	618,696	1,622,658	1,300,000
Alagnak River	285,222	859,296	0
Naknek River	73,014	489,930	0
Igushik River	17,250	205,272	0
Wood River	210,090	3,500,982	0
Nushagak River	57,384	1,372,314	0
Togiak River	5,172	10,974	0

Sockeye per Drift Delivery for: 07-07-2024

District	Sockeye per Delivery
Ugashik	1,702
Egegik	964
Naknek-Kvichak	387
Nushagak	695
Togiak	197

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-03 00:00:00.0	52	756
2024-07-04 00:00:00.0	89	845
2024-07-05 00:00:00.0	72	917
2024-07-06 00:00:00.0	32	949
2024-07-07 00:00:00.0	17	966

Registrations as of: July 08, 9:00am - and - July 10, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Egegik	217	218	157	158	60	60
Togiak	19	19	19	19		
Nushagak	444	438	329	325	115	113
Ugashik	232	256	158	174	74	82
Naknek-Kvichak	583	724	429	532	155	192
Total	**1,495**	**1,655**	**1,092**	**1,208**	**404**	**447**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	89.3	10.7

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.5	23.5

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	20.6	10.2	69.2

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.6	77.6	19.8

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-08-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	276,177	2,012,393	189,144	462,114	550,000	3,024,507
Egegik	229,131	3,172,118	66,204	949,470	75,000	4,196,588
Naknek-Kvichak	153,225	3,024,692	1,137,774	4,109,658	1,000,000	8,134,350
Nushagak	245,019	8,080,513	207,740	5,286,308	0	13,366,821
Togiak	12,268	61,275	4,656	15,630	0	76,905
Totals:	915,820	16,350,991	1,605,518	10,823,180	1,625,000	28,799,171

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	189,144	462,114	550,000
Egegik River	66,204	949,470	75,000
Kvichak River	796,494	2,419,152	1,000,000
Alagnak River	294,504	1,153,800	0
Naknek River	46,776	536,706	0
Igushik River	22,074	227,346	0
Wood River	142,350	3,643,332	0
Nushagak River	43,316	1,415,630	0
Togiak River	4,656	15,630	0

Sockeye per Drift Delivery for: 07-08-2024

District	Sockeye per Delivery
Ugashik	1,445
Egegik	728
Naknek-Kvichak	213
Nushagak	307
Togiak	171

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-04 00:00:00.0	89	845
2024-07-05 00:00:00.0	72	917
2024-07-06 00:00:00.0	32	949
2024-07-07 00:00:00.0	17	966
2024-07-08 00:00:00.0	35	1,001

Registrations as of: July 09, 9:00am - and - July 11, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Ugashik	234	256	160	175	74	81
Togiak	20	21	20	21		
Naknek-Kvichak	696	775	512	564	184	211
Nushagak	413	411	310	309	103	102
Egegik	198	199	144	145	54	54
Total	**1,561**	**1,662**	**1,146**	**1,214**	**415**	**448**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	88.7	11.3

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.4	23.6

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	20.4	10	69.6

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.7	76.9	20.4

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-09-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	241,680	2,254,073	205,542	667,656	550,000	3,471,729
Egegik	156,169	3,328,287	24,888	974,358	30,000	4,332,645
Naknek-Kvichak	495,044	3,519,736	1,053,444	5,163,102	1,200,000	9,882,838
Nushagak	251,556	8,332,069	161,644	5,447,952	0	13,780,021
Togiak	9,596	70,871	7,914	23,544	0	94,415
Totals:	1,154,045	17,505,036	1,453,432	12,276,612	1,780,000	31,561,648

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	205,542	667,656	550,000
Egegik River	24,888	974,358	30,000
Kvichak River	923,040	3,342,192	1,200,000
Alagnak River	124,224	1,278,024	0
Naknek River	6,180	542,886	0
Igushik River	21,954	249,300	0
Wood River	101,868	3,745,200	0
Nushagak River	37,822	1,453,452	0
Togiak River	7,914	23,544	0

Sockeye per Drift Delivery for: 07-09-2024

District	Sockeye per Delivery
Ugashik	1,182
Egegik	433
Naknek-Kvichak	620
Nushagak	568
Togiak	133

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-05 00:00:00.0	72	917
2024-07-06 00:00:00.0	32	949
2024-07-07 00:00:00.0	17	966
2024-07-08 00:00:00.0	35	1,001
2024-07-09 00:00:00.0	47	1,048

Registrations as of: July 10, 9:00am - and - July 12, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Naknek-Kvichak	724	781	532	570	192	211
Togiak	21	21	21	21		
Egegik	193	193	139	139	54	54
Nushagak	411	411	309	309	102	102
Ugashik	254	256	173	174	81	82
Total	**1,603**	**1,662**	**1,174**	**1,213**	**429**	**449**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	88.2	11.8

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.4	23.6

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	17.7	8.9	73.5

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.7	76.9	20.4

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-10-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	196,785	2,450,858	41,742	709,398	400,000	3,560,256
Egegik	197,704	3,525,988	9,594	983,952	0	4,509,940
Naknek-Kvichak	1,161,895	4,681,783	694,254	5,857,356	500,000	11,039,139
Nushagak	844,118	9,176,209	91,518	5,539,470	0	14,715,679
Togiak	8,041	78,912	15,516	39,060	0	117,972
Totals:	2,408,543	19,913,750	852,624	13,129,236	900,000	33,942,986

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	41,742	709,398	400,000
Egegik River	9,594	983,952	0
Kvichak River	660,918	4,003,110	500,000
Alagnak River	28,980	1,307,004	0
Naknek River	4,356	547,242	0
Igushik River	21,984	271,284	0
Wood River	53,166	3,798,366	0
Nushagak River	16,368	1,469,820	0
Togiak River	15,516	39,060	0

Sockeye per Drift Delivery for: 07-10-2024

District	Sockeye per Delivery
Ugashik	993
Egegik	873
Naknek-Kvichak	1,051
Nushagak	1,606
Togiak	156

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-06 00:00:00.0	32	949
2024-07-07 00:00:00.0	17	966
2024-07-08 00:00:00.0	35	1,001
2024-07-09 00:00:00.0	47	1,048
2024-07-10 00:00:00.0	22	1,070

Registrations as of: July 11, 9:00am - and - July 13, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Nushagak	368	365	272	269	96	96
Egegik	187	187	133	133	54	54
Ugashik	244	246	167	168	77	78
Naknek-Kvichak	775	842	564	621	211	221
Togiak	21	22	21	22		
Total	**1,595**	**1,662**	**1,157**	**1,213**	**438**	**449**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	88.1	11.9

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.8	23.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	14.5	7.6	77.9

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	2.8	77.5	19.7

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-11-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	212,374	2,663,232	104,460	880,044	250,000	3,793,276
Egegik	205,600	3,731,588	5,148	989,100	0	4,720,688
Naknek-Kvichak	329,543	5,013,297	317,658	6,175,014	400,000	11,588,311
Nushagak	314,957	9,491,166	93,438	5,632,908	0	15,124,074
Togiak	12,390	91,302	8,052	47,112	0	138,414
Totals:	1,074,864	20,990,585	528,756	13,724,178	650,000	35,364,763

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	104,460	880,044	250,000
Egegik River	5,148	989,100	0
Kvichak River	278,256	4,281,366	400,000
Alagnak River	11,436	1,318,440	0
Naknek River	27,966	575,208	0
Igushik River	20,706	291,990	0
Wood River	56,766	3,855,132	0
Nushagak River	15,966	1,485,786	0
Togiak River	8,052	47,112	0

Sockeye per Drift Delivery for: 07-11-2024

District	Sockeye per Delivery
Ugashik	1,150
Egegik	684
Naknek-Kvichak	329
Nushagak	456
Togiak	256

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-07 00:00:00.0	17	968
2024-07-08 00:00:00.0	35	1,003
2024-07-09 00:00:00.0	47	1,050
2024-07-10 00:00:00.0	22	1,072
2024-07-11 00:00:00.0	12	1,084

Registrations as of: July 12, 9:00am - and - July 14, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Egegik	186	189	132	135	54	54
Nushagak	351	353	256	258	95	95
Ugashik	233	244	158	169	75	75
Togiak	22	22	22	22		
Naknek-Kvichak	775	858	564	632	211	226
Total	**1,567**	**1,666**	**1,132**	**1,216**	**435**	**450**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	87.6	12.4

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.6	23.4

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	14.7	7.7	77.6

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	3	76.8	20.3

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-12-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	171,790	2,835,052	97,422	977,466	300,000	4,112,518
Egegik	143,343	3,874,931	16,224	1,005,324	0	4,880,255
Naknek-Kvichak	1,096,461	6,109,813	210,822	6,385,836	550,000	13,045,649
Nushagak	473,641	9,964,807	122,551	5,755,459	0	15,720,266
Togiak	5,008	96,310	5,634	52,746	0	149,056
Totals:	1,890,243	22,880,913	452,653	14,176,831	850,000	37,907,744

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	97,422	977,466	300,000
Egegik River	16,224	1,005,324	0
Kvichak River	131,712	4,413,078	550,000
Alagnak River	59,304	1,377,744	0
Naknek River	19,806	595,014	0
Igushik River	16,656	308,646	0
Wood River	72,636	3,927,768	0
Nushagak River	33,259	1,519,045	0
Togiak River	5,634	52,746	0

Sockeye per Drift Delivery for: 07-12-2024

District	Sockeye per Delivery
Ugashik	973
Egegik	671
Naknek-Kvichak	1,302
Nushagak	1,398
Togiak	76

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-07 00:00:00.0	17	968
2024-07-08 00:00:00.0	35	1,003
2024-07-09 00:00:00.0	47	1,050
2024-07-10 00:00:00.0	22	1,072
2024-07-11 00:00:00.0	12	1,084

Registrations as of: July 13, 9:00am - and - July 15, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Ugashik	227	246	154	172	73	74
Togiak	22	22	22	22		
Egegik	184	184	130	130	54	54
Naknek-Kvichak	829	857	607	627	222	230
Nushagak	344	339	252	248	93	91
Total	**1,606**	**1,648**	**1,165**	**1,199**	**442**	**449**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	87.3	12.7

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set	Unspecified
Percentage	76.8	23.2	0

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	12.9	7.1	80

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set	Unspecified
Percentage	3.1	76.5	20.4	0

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-13-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	177,436	3,012,488	86,856	1,064,322	250,000	4,326,810
Egegik	132,436	4,007,367	15,066	1,020,390	0	5,027,757
Naknek-Kvichak	420,453	6,537,446	234,540	6,620,376	1,500,000	14,657,822
Nushagak	280,568	10,245,375	151,835	5,907,294	0	16,152,669
Togiak	14,252	110,562	4,416	57,162	0	167,724
Totals:	1,025,145	23,913,238	492,713	14,669,544	1,750,000	40,332,782

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	86,856	1,064,322	250,000
Egegik River	15,066	1,020,390	0
Kvichak River	140,544	4,553,622	1,500,000
Alagnak River	58,260	1,436,004	0
Naknek River	35,736	630,750	0
Igushik River	38,538	347,184	0
Wood River	77,490	4,005,258	0
Nushagak River	35,807	1,554,852	0
Togiak River	4,416	57,162	0

Sockeye per Drift Delivery for: 07-13-2024

District	Sockeye per Delivery
Ugashik	1,167
Egegik	569
Naknek-Kvichak	493
Nushagak	571
Togiak	231

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-07 00:00:00.0	17	968
2024-07-08 00:00:00.0	35	1,003
2024-07-09 00:00:00.0	47	1,050
2024-07-10 00:00:00.0	22	1,072
2024-07-11 00:00:00.0	12	1,084

Registrations as of: July 14, 9:00am - and - July 16, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Egegik	175	175	125	125	50	50
Naknek-Kvichak	832	872	608	639	224	233
Nushagak	333	333	243	243	90	90
Togiak	22	22	22	22		
Ugashik	265	265	188	188	77	77
Total	**1,627**	**1,667**	**1,186**	**1,217**	**441**	**450**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	87	13

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.6	23.4

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	13.9	6.8	79.3

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	3.3	75.9	20.8

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-14-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	141,852	3,154,340	100,266	1,164,588	250,000	4,568,928
Egegik	99,352	4,106,719	13,266	1,033,656	0	5,140,375
Naknek-Kvichak	0	6,538,803	277,914	6,898,290	1,800,000	15,237,093
Nushagak	383,687	10,629,092	180,875	6,088,169	0	16,717,261
Togiak	10,220	120,782	4,380	61,542	0	182,324
Totals:	635,111	24,549,736	576,701	15,246,245	2,050,000	41,845,981

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	100,266	1,164,588	250,000
Egegik River	13,266	1,033,656	0
Kvichak River	139,248	4,692,870	1,800,000
Alagnak River	103,452	1,539,456	0
Naknek River	35,214	665,964	0
Igushik River	42,594	389,778	0
Wood River	101,670	4,106,928	0
Nushagak River	36,611	1,591,463	0
Togiak River	4,380	61,542	0

Sockeye per Drift Delivery for: 07-14-2024

District	Sockeye per Delivery
Ugashik	1,213
Egegik	578
Naknek-Kvichak	0
Nushagak	1,095
Togiak	372

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-07 00:00:00.0	17	968
2024-07-08 00:00:00.0	35	1,003
2024-07-09 00:00:00.0	47	1,050
2024-07-10 00:00:00.0	22	1,072
2024-07-11 00:00:00.0	12	1,084

Registrations as of: July 15, 9:00am - and - July 17, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Togiak	22	22	22	22		
Egegik	174	177	124	126	50	51
Ugashik	269	273	191	195	78	78
Nushagak	336	342	246	251	90	91
Naknek-Kvichak	842	852	615	622	227	230
Total	**1,643**	**1,666**	**1,198**	**1,216**	**445**	**450**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set	Unspecified
Percentage	87.5	12.5	0

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.8	23.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift
Percentage	13.9	6.8	79.3

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	3.5	75.8	20.7

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-15-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	203,927	3,358,255	94,140	1,258,728	350,000	4,966,983
Egegik	190,319	4,297,038	16,422	1,050,078	0	5,347,116
Naknek-Kvichak	24,810	6,563,613	582,270	7,480,560	700,000	14,744,173
Nushagak	325,502	10,954,637	162,627	6,250,796	0	17,205,433
Togiak	23,906	144,688	4,488	66,030	0	210,718
Totals:	768,464	25,318,231	859,947	16,106,192	1,050,000	42,474,423

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	94,140	1,258,728	350,000
Egegik River	16,422	1,050,078	0
Kvichak River	324,636	5,017,506	700,000
Alagnak River	173,916	1,713,372	0
Naknek River	83,718	749,682	0
Igushik River	49,950	439,728	0
Wood River	93,948	4,200,876	0
Nushagak River	18,729	1,610,192	0
Togiak River	4,488	66,030	0

Sockeye per Drift Delivery for: 07-15-2024

District	Sockeye per Delivery
Ugashik	939
Egegik	648
Naknek-Kvichak	0
Nushagak	839
Togiak	402

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-07 00:00:00.0	17	968
2024-07-08 00:00:00.0	35	1,003
2024-07-09 00:00:00.0	47	1,050
2024-07-10 00:00:00.0	22	1,072
2024-07-11 00:00:00.0	12	1,084

Registrations as of: July 16, 9:00am - and - July 18, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Nushagak	341	340	250	249	91	91
Ugashik	275	275	197	196	78	79
Egegik	174	175	124	125	50	50
Naknek-Kvichak	850	852	620	622	230	230
Togiak	22	22	22	22		
Total	**1,662**	**1,664**	**1,213**	**1,214**	**449**	**450**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	87.4	12.6

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.8	23.2

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift	Unspecified
Percentage	13.9	6.8	79	0.4

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	3.8	75.4	20.9

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-16-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	207,824	3,566,079	107,442	1,366,170	350,000	5,282,249
Egegik	137,808	4,434,846	23,430	1,073,508	0	5,508,354
Naknek-Kvichak	591,732	7,156,000	696,612	8,177,172	1,100,000	16,433,172
Nushagak	254,993	11,209,630	138,652	6,389,448	0	17,599,078
Togiak	29,885	174,573	10,662	76,692	0	251,265
Totals:	1,222,242	26,541,128	976,798	17,082,990	1,450,000	45,074,118

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	107,442	1,366,170	350,000
Egegik River	23,430	1,073,508	0
Kvichak River	341,202	5,358,708	1,100,000
Alagnak River	218,076	1,931,448	0
Naknek River	137,334	887,016	0
Igushik River	48,378	488,106	0
Wood River	63,198	4,264,074	0
Nushagak River	27,076	1,637,268	0
Togiak River	10,662	76,692	0

Sockeye per Drift Delivery for: 07-16-2024

District	Sockeye per Delivery
Ugashik	1,085
Egegik	599
Naknek-Kvichak	945
Nushagak	595
Togiak	360

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-07 00:00:00.0	17	968
2024-07-08 00:00:00.0	35	1,003
2024-07-09 00:00:00.0	47	1,050
2024-07-10 00:00:00.0	22	1,072
2024-07-11 00:00:00.0	12	1,084

Registrations as of: July 17, 9:00am - and - July 19, 9:00am

District	Permits	Permits in 48 hrs.	Vessels	Vessels in 48 hrs.	DBoats	DBoats in 48 hrs.
Naknek-Kvichak	850	875	620	635	231	240
Egegik	175	175	125	125	50	50
Ugashik	260	266	188	192	72	74
Nushagak	333	329	245	243	88	86
Togiak	22	22	22	22		
Total	**1,640**	**1,667**	**1,200**	**1,217**	**441**	**450**

Harvest Percentage by District

321 - Ugashik Traditional State Managed Fisheries

Fishery	Ugashik Drift	Ugashik Set
Percentage	87.9	12.1

322 - Egegik Traditional State Managed Fisheries

Fishery	Egegik Drift	Egegik Set
Percentage	76.7	23.3

324 - Naknek-Kvichak Traditional State Managed Fisheries

Fishery	Kvichak Set	Naknek Set	Naknek-Kvichak Drift	Unspecified
Percentage	13.3	6.6	79.7	0.4

325 - Nushagak Traditional State Managed Fisheries

Fishery	Igushik Set	Nushagak Drift	Nushagak Set
Percentage	4	75.2	20.8

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-17-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	140,219	3,706,298	128,484	1,494,654	0	5,200,952
Egegik	135,279	4,570,477	18,108	1,091,616	0	5,662,093
Naknek-Kvichak	525,530	7,682,523	810,822	8,987,994	0	16,670,517
Nushagak	191,855	11,403,975	103,605	6,493,053	0	17,897,028
Togiak	29,494	204,067	17,430	94,122	0	298,189
Totals:	1,022,377	27,567,340	1,078,449	18,161,439	0	45,728,779

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	128,484	1,494,654	0
Egegik River	18,108	1,091,616	0
Kvichak River	557,508	5,916,216	0
Alagnak River	224,142	2,155,590	0
Naknek River	29,172	916,188	0
Igushik River	46,272	534,378	0
Wood River	38,982	4,303,056	0
Nushagak River	18,351	1,655,619	0
Togiak River	17,430	94,122	0

Sockeye per Drift Delivery for: 07-17-2024

District	Sockeye per Delivery
Ugashik	813
Egegik	650
Naknek-Kvichak	516
Nushagak	607
Togiak	373

Test Fishery Port Moller

Date	Index Daily	Cumulative
2024-07-07 00:00:00.0	17	968
2024-07-08 00:00:00.0	35	1,003
2024-07-09 00:00:00.0	47	1,050
2024-07-10 00:00:00.0	22	1,072
2024-07-11 00:00:00.0	12	1,084

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-18-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	129,233	3,835,531	74,406	1,569,060	0	5,404,591
Egegik	82,210	4,652,687	13,134	1,104,750	0	5,757,437
Naknek-Kvichak	273,236	7,955,796	571,716	9,559,710	0	17,515,506
Nushagak	115,631	11,519,606	89,809	6,582,862	0	18,102,468
Togiak	22,285	226,352	12,006	106,128	0	332,480
Totals:	622,595	28,189,972	761,071	18,922,510	0	47,112,482

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	74,406	1,569,060	0
Egegik River	13,134	1,104,750	0
Kvichak River	465,648	6,381,864	0
Alagnak River	100,194	2,255,784	0
Naknek River	5,874	922,062	0
Igushik River	40,260	574,638	0
Wood River	38,244	4,341,300	0
Nushagak River	11,305	1,666,924	0
Togiak River	12,006	106,128	0

Sockeye per Drift Delivery for: 07-18-2024

District	Sockeye per Delivery
Ugashik	752
Egegik	477
Naknek-Kvichak	386
Nushagak	388
Togiak	290

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-21-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	71,074	4,164,573	32,022	1,670,754	0	5,835,327
Egegik	95,687	4,940,864	1,356	1,109,406	0	6,050,270
Naknek-Kvichak	156,907	8,647,951	25,560	9,757,176	0	18,405,127
Nushagak	59,061	11,747,901	30,847	6,708,796	0	18,456,697
Togiak	12,136	278,176	9,492	138,132	0	416,308
Totals:	394,865	29,779,465	99,277	19,384,264	0	49,163,729

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	32,022	1,670,754	0
Egegik River	1,356	1,109,406	0
Kvichak River	15,144	6,542,196	0
Alagnak River	8,352	2,288,868	0
Naknek River	2,064	926,112	0
Igushik River	15,846	635,820	0
Wood River	11,310	4,387,566	0
Nushagak River	3,691	1,685,410	0
Togiak River	9,492	138,132	0

Sockeye per Drift Delivery for: 07-21-2024

District	Sockeye per Delivery
Ugashik	449
Egegik	580
Naknek-Kvichak	530
Nushagak	391
Togiak	482

Alaska Department of Fish and Game

Inseason Commercial Harvest Estimates

Bristol Bay Commercial Fisheries

Bristol Bay Fish Counts

Run Date: 07-22-2024 Go!

Total Run Summary

District	Catch Daily	Catch Cumulative	Escapement Daily	Escapement Cumulative	In-River Estimate	Total Run
Ugashik	42,088	4,206,661	32,262	1,703,016	0	5,909,677
Egegik	75,156	5,016,020	2,100	1,111,506	0	6,127,526
Naknek-Kvichak	218,033	8,865,984	29,988	9,787,164	0	18,653,148
Nushagak	31,697	11,779,598	31,379	6,740,175	0	18,519,773
Togiak	17,310	295,486	14,070	152,202	0	447,688
Totals:	384,284	30,163,749	109,799	19,494,063	0	49,657,812

Individual River Estimates

District	Escapement Daily	Escapement Cumulative	In-River Estimate
Ugashik River	32,262	1,703,016	0
Egegik River	2,100	1,111,506	0
Kvichak River	18,252	6,560,448	0
Alagnak River	11,736	2,300,604	0
Naknek River	0	926,112	0
Igushik River	10,338	646,158	0
Wood River	17,088	4,404,654	0
Nushagak River	3,953	1,689,363	0
Togiak River	14,070	152,202	0

Sockeye per Drift Delivery for: 07-22-2024

District	Sockeye per Delivery
Ugashik	297
Egegik	548
Naknek-Kvichak	680
Nushagak	284
Togiak	275

Appendix E

ADF&G season summary of the 2024 Bristol Bay salmon season. Published September 2024

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Advisory Announcement

For Immediate Release:
September 17, 2024
Time: 5:00 p.m.

CONTACT:
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2024 BRISTOL BAY SALMON SEASON SUMMARY

The following is an overview of the 2024 Bristol Bay commercial salmon season. All data are preliminary. The 2024 inshore Bristol Bay sockeye salmon run of 51.6 million fish (Table 1) was the 10th largest inshore run since 2004 and was 7% above the 48.2 million average run for the latest 20-year period (2004–2023; Elison et. al 2024). This is the 10th year in a row that the total inshore run was larger than 50 million fish.

The 2024 Bristol Bay sockeye salmon run was 36% above the preseason inshore forecast of 37.9 million fish (Table 2). Runs to every district were larger than their preseason forecasts. All sockeye salmon escapement goals were met or exceeded, with a total bay-wide escapement of 20.0 million fish (Table 3). The commercial harvest of 31.6 million sockeye salmon was 26% above the 25.0 million preseason forecast (Table 1). The preliminary harvest estimates for other species are 6,895 Chinook, 506,541 chum, 28,804 coho, and 76,199 pink salmon (Table 1).

EXVESSEL VALUE

Exvessel value of salmon caught in Bristol Bay in 2024 was estimated using the price information from final operations reports for each species, and numbers and average weights from preliminary fish ticket numbers. The 2024 Bristol Bay preliminary exvessel value of $128.1 million for all salmon species (Table 4) was 34% below the 20-year average of $193.4 million (Elison et. al 2024). Prices may not include incentives for icing, bleeding, floating, or production bonuses.

SPECIES PERFORMANCE

Sockeye Salmon

The 2024 harvest of 31.6 million sockeye salmon was 5% lower than the recent 20-year average of 33.2 million for all districts (Table 5; Elison et. al 2024). Nushagak and Wood River sockeye salmon escapements were above the optimum escapement goal (OEG) ranges adopted in 2023 by the Alaska Board of Fisheries for Chinook salmon conservation (Table 3). Sockeye salmon escapement goals were exceeded on the Ugashik, Igushik and Togiak rivers. The Kvichak, Naknek, Alagnak and Egegik rivers were within their escapement goal ranges (Table 3). Overall, run timing was two days late compared to the 20-year average.

In 2024 the sockeye salmon run was composed of a higher proportion of younger and smaller fish than forecasted. Eighty percent of the 2024 Bristol Bay sockeye salmon run was comprised of fish with two years of ocean growth. The 1.2 age class composed roughly 72% of the total run and came in well over its preseason forecast of 50%. The 2.2 age class contributed 8% which was well below the forecasted

13%. Age 1.3 fish contributed 16%, or approximately half of the forecasted 31%. The high proportion of younger fish resulted in the smallest average sockeye salmon weight on record at 4.53 pounds (Table 4; Figure 1).

Chinook Salmon

Bristol Bay Chinook salmon harvest and abundance continued to be low in 2024. Chinook salmon harvested in Bristol Bay are incidentally caught during directed sockeye salmon fishing periods. The 2024 Chinook salmon harvests were below the 20-year average in all districts (Table 6). The preliminary total Chinook salmon harvest of 6,895 was 82% below the most recent 20-year average of 38,743 fish, and the lowest in the last 20 years. Nushagak Chinook salmon is the main source of Chinook harvest in Bristol Bay and is a stock of concern. The Nushagak District was managed according to the Nushagak Chinook salmon action plan with sockeye salmon OEG triggers that delay fishing to allow for increased Chinook salmon escapement. The Nushagak District Chinook salmon harvest was 4,340 fish (Table 6), 85% below the 20-year average harvest of 30,606 fish (Elison et. al 2024). The Nushagak River Chinook salmon in-river run index at Portage Creek sonar was 41,893 fish, which is below the escapement goal range of 55,000–120,000 fish and the in-river goal of 95,000 fish.

Chum Salmon

The 2024 preliminary Bristol Bay chum salmon harvest was 506,541 fish (Table 1), 50% below the recent 20-year average of 1.0 million fish, but the largest harvest since 2019 (Elison et. al 2024). The Nushagak District is the largest producer of chum salmon and had a harvest of 313,091 fish (Table 1). The Nushagak River chum salmon in-river run index at Portage Creek sonar was 302,145 fish, well above the lower bound of the sustainable escapement goal of 200,000 fish.

Pink Salmon

Pink salmon in Bristol Bay are predominantly an even-year species. Pink salmon harvest was incidental to the sockeye salmon fishery and totaled 76,199 fish (Table 1). Pink salmon escapement is not monitored in Bristol Bay.

Coho Salmon

The preliminary coho salmon harvest in 2024 was 28,804 fish (Table 1), 70% below the recent 20-year average of 96,337 fish (Elison et. al 2024). The Nushagak District is typically the largest producer of coho salmon and accounted for 21,453 of the fish harvest in 2024. Harvests of coho salmon can be variable from year to year depending on processor availability, market conditions, and overall fishing effort. In 2024, fishing ended early due in part to bad weather and low market interest in purchasing coho salmon. Coho escapement is not monitored in Bristol Bay.

ALLOCATION

Bristol Bay fisheries are managed for allocation (secondary to escapement) between drift and set gillnet gear groups in four of five districts. The Togiak District is excluded from the allocation plan. Strategies used to achieve allocation between gear groups included varying the amount of fishing time and providing separate gear group openings. Table 7 lists the allocation goals and the actual harvest percentages for 2024. During years with large sockeye salmon returns, gear group allocations can be difficult to achieve when the primary objective is managing to meet escapement goals.

Acknowledgements

The department thanks the Bristol Bay Fisheries Collaborative (BBFC) for its funding over the years. Established in 2016, BBFC supported salmon fishery management through a partnership with the Bristol Bay Science and Research Institute (BBSRI) and stakeholders. Programs previously funded by BBFC are now supported by the State of Alaska. We also appreciate BBSRI, the Bristol Bay Regional Seafood Development Association, and industry for their contributions to operating the Port Moller Test Fishery, including the deployment of a second vessel for better data on run timing, abundance, and stock composition, and the ongoing real-time genetic analysis provided by BBSRI and ADF&G's Gene Conservation Lab.

Reference cited

Elison, T., A. Tiernan, T. Sands, S. Vega, and P. Stacey. 2024. 2023 Bristol Bay annual management report. Alaska Department of Fish and Game, Fishery Management Report No. 24-11, Anchorage.

Table 1.–Preliminary Bristol Bay salmon harvest and escapement by district and species, 2024.

District	Sockeye	Chinook	Chum	Pink	Coho	TOTAL
Naknek-Kvichak catch	9,257,793	811	69,907	4,235	557	9,333,303
Escapement-Kvichak tower	6,644,490	[a]	[a]	[a]	[a]	6,644,490
Naknek tower	926,112	[a]	[a]	[a]	[a]	926,112
Alagnak tower	2,356,560	[a]	[a]	[a]	[a]	2,356,560
N-K subtotal	19,184,955	811	69,907	4,235	557	19,260,465
Egegik catch	5,286,279	403	32,991	776	5,671	5,326,120
Escapement-Egegik tower	1,114,008	[a]	[a]	[a]	[a]	1,114,008
Egegik subtotal	6,400,287	403	32,991	776	5,671	6,440,128
Ugashik catch	4,244,043	427	42,787	20	424	4,287,701
Escapement-Ugashik tower	1,759,776	[a]	[a]	[a]	[a]	1,759,776
Ugashik subtotal	6,003,819	427	42,787	20	424	6,047,477
Nushagak catch	12,241,090	4,340	313,091	40,004	21,453	12,619,978
Escapement- Wood tower	4,404,654	[a]	[a]	[a]	[a]	4,404,654
Igushik tower	692,616	[a]	[a]	[a]	[a]	692,616
Nushagak sonar	1,708,693	41,893	302,145	[a]	[a]	2,052,731
Nushagak subtotal	19,047,053	46,233	615,236	40,004	21,453	19,769,979
Togiak catch	565,314	914	47,765	31,164	699	645,856
Escapement - Togiak tower	361,578	[a]	[a]	[a]	[a]	361,578
Togiak subtotal	926,892	914	47,765	31,164	699	1,007,434
Bristol Bay catch	31,594,519	6,895	506,541	76,199	28,804	32,212,958
Bristol Bay escapement	19,968,487	[a]	[a]	[a]	[a]	[a]
Bristol Bay total run	51,563,006	[b]	[b]	[b]	[b]	[b]

[a] Escapement not assessed or incomplete

[b] Total run size cannot be determined in the absence of complete escapement data.

Table 2.–Difference between Bristol Bay sockeye salmon actual inshore run and preseason forecast, 2024.

District	Inshore forecast	Inshore run	% Above/below forecast
Naknek-Kvichak	14,970,000	19,184,955	28% Above
Egegik	5,540,000	6,400,287	16% Above
Ugashik	4,640,000	6,003,819	29% Above
Nushagak	12,070,000	19,047,053	58% Above
Togiak	680,000	926,892	36% Above
Totals	37,900,000	51,563,006	36% Above

Table 3.–Bristol Bay sockeye salmon escapement goals and actual escapements, 2024.

River system	Escapement goal range	Escapement
Kvichak River	2,000,000–10,000,000	6,644,490
Naknek River	800,000–2,000,000	926,112
Alagnak River	320,000 minimum	2,356,560
Egegik River	800,000–2,000,000	1,114,008
Ugashik River	500,000–1,400,000	1,759,776
Nushagak River OEG	370,000–1,425,000	1,708,693
Nushagak River SEG	370,000-900,000	
Wood River OEG	700,000–3,000,000	4,404,654
Wood River SEG	700,000–1,800,000	
Igushik River	150,000–400,000	692,616
Togiak River	120,000–270,000	361,578
Total		19,968,487

Table 4.–Average price, weight, harvest, and value of salmon harvest in Bristol Bay, 2024.

Species	Price/lb.	Avg. weight (lb.)	Number of fish	Total weight	Value
Sockeye	$0.89	4.53	31,594,519	143,123,171	$127,379,622
Chinook	$0.71	8.69	6,895	59,918	$42,541
Chum	$0.21	5.1	506,541	2,583,359	$542,505
Pink	$0.08	3.65	76,199	278,126	$22,250
Coho	$0.42	5.37	28,804	154,677	$64,965
Totals			32,212,958	146,199,252	$128,051,884

Table 5.–2024 preliminary Bristol Bay commercial sockeye salmon harvests and 20-year averages by district.

District	2004–2023 average sockeye harvest	2024 sockeye salmon harvest
Naknek-Kvichak	10,253,887	9,257,793
Egegik	8,904,856	5,286,279
Ugashik	3,425,036	4,244,043
Nushagak	9,977,055	12,241,090
Togiak	603,658	565,314
Totals	33,164,492	31,594,519

Table 6.–2024 preliminary Bristol Bay commercial Chinook salmon harvests and 20-year averages by district.

District	2004–2023 average Chinook salmon harvest	2024 Chinook salmon harvest
Naknek-Kvichak	1,743	811
Egegik	765	403
Ugashik	945	427
Nushagak	30,606	4,340
Togiak	4,685	914
Totals	38,743	6,895

Table 7.–Allocation of Bristol Bay drift and set gillnet harvest, 2024.

District	Drift gillnet percent of harvest allocated /caught	District set gillnet percent of harvest allocated /caught	Section set gillnet percent of harvest allocated /caught
Naknek-Kvichak	84% / 80%	16% /20%	Naknek: 8% / 7% Kvichak: 8% / 13%
Egegik	86% / 77%	14% / 23%	–
Ugashik	90% /88%	10% / 12%	–
Nushagak [a]	74% /75 %	26% / 25%	Nushagak: 20% / 16% Igushik: 6% / 4% Wood River NA / 5%

[a] Wood River Special Harvest Area harvest is included in Nushagak drift and set gillnet calculations.

Figure 1.–Average weight of Bristol Bay sockeye salmon, 1980–2024.