# In-season Reports from the 2010 Port Moller Test Fishery

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# Introduction

The Port Moller Test Fishery (PMTF) has been conducted from around June 10 to July 7 with gillnets set at stations offshore from Port Moller, Alaska (Figure 1) since 1967 (Randall 1977, Eggers and Fried 1984). The primary goal has been to predict run strength of sockeye salmon *Oncorhynchus nerka*, returning to natal streams in Bristol Bay approximately one week prior to their arrival in the various terminal fishing districts. The PMTF is the first check on preseason sockeye forecasts, and the utility of this information is to give Bay fishermen, processors, and the Alaska Department of Fish and Game (ADF&G) time to respond to suspected departures from these forecasts (Helton 1991). Responses include the shifting of haulout tenders among districts by processors and changes in fishery openings/closures across the districts by ADF&G managers, who manage each district on a tide to tide basis. Though the information from the PMTF is not the primary decision support upon which the fishery is prosecuted and managed, it does play an important role, and we are committed to cost effectively strengthening this program to maximize information content.

Below we describe how the test fishery works, the results from 2010, discuss possible reasons for the observed trends in 2010, and make recommendations for 2011 reporting and research. Appended is a compilation of all results and reports provided to processors, fishermen, managers, and the public during the 2010 season. Included are daily reports that summarize catches and indices (catch per effort) by station, mean body size, water temperature, and fishing conditions by date, as well as, an interpretation of these data. Also appended are reports issued periodically by ADF&G throughout the season summarizing the stock and age compositions of the Port Moller catches.

# Methods

## Study Area

Most Bristol Bay sockeye reach the fishing districts between the end of June and the middle of July (Mundy 1979) with the peak in the fishery occurring on or around July 4. Travel time to the fishery from Port Moller usually takes about one week, so the PMTF has generally begun on June 10 or 11. Gill nets are set at stations located along a transect from Port Moller to Cape Newenham (Figure1). Stations are 5 miles apart with Station 1 being 30 miles offshore from Port Moller and Station 12 being 85 miles offshore. Prior to 1987, odd stations were fished on the outgoing trip, the vessel anchored overnight, and even stations were fished on the return trip (Eggers and Fried 1984). Beginning in 1987, only even stations were fished (Stations 2-8 and occasionally Station 10) during both the outbound and inbound trips. In 1999, fishing at Station 10 was resumed in response to the belief that the bulk of the run may have been further out, and in 2000 fishing occurred as far out as Station 14 (95 miles offshore) (Flynn and Hilborn 2004). Usually, only five stations are fished—either Stations 2-10 or Stations 4-12 depending on the previous day's offshore distribution. In 2011, only Stations 2-10 were fished

as catches at Station 10 dropped off from Station 8 throughout the season indicating there were fewer fish further out.

## Sampling Protocol

Nets were set for approximately one hour, and deployment was perpendicular to the migratory path of the salmon on the north-south axis and was standardized for all stations (Helton 1991). The vessel traveled on a course of 340° for out-going sets and a course of 160° on incoming sets. These bearings oriented the net roughly parallel to the transect bearing, which was on a line between Port Moller and the tip of Cape Newenham. It typically required 2 to 3 minutes to deploy the full net. After setting the net, the vessel moved as far away as possible from the gillnet while maintaining visual contact, which varied with conditions and was sometimes restricted to a few hundred meters during times of fog to 500 or more meters in good visibility and low sea states. No attempt was made to hook or run the net to try and increase catch so as to standardize effort from year to year as skippers and vessels change. Time was recorded when the trailing buoy was deployed, when the net was fully set, when retrieval began, and when the net was fully in. Catches were converted to catch-per-unit-effort (CPUE; fish per 100 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). Mean fishing time in minutes for each set was calculated as:

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

Where, *SO*=time of day 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 then catch divided by *MT*, multiplied by 60, and divided by 2 to provide fish per 100 fathom-hours. The reader should be aware that CPUE was reported as fish per 200 fathom-hours in the daily updates, but the Traditional Index was based on catch per 100 fathom-hours. Fish were identified to species, enumerated, and sockeye are sexed, measured for length (mid eye fork length—MEFL), and sampled for age by placing one scale/fish on a scale card. Scales were aged onshore in King Salmon, Alaska by ADF&G following each 2-day trip. Genetics samples were collected from sockeye and processed at the ADF&G Gene Conservation Laboratory in Anchorage.

## Formulating the PMTF Traditional Index

Beginning in 1985, the Traditional Port Moller Index (*CTI*) was standardized to the sum of CPUE for Stations 2, 4, 6, and 8 (Rogers et al. 1989, Helton 1991).

$$CTI_d = \sum_{i}^{d} (I_{2i} + I_{4i} + I_{6i} + I_{8i}) \quad (2)$$

where,$CTI_d$ = the cumulative index through a given day (*d*), $I_{2i}$-$I_{8i}$ are station-specific CPUEs (catch per 100 fathoms) on day *i*. Missing station points were interpolated by averaging the station specific daily indices from the two days prior to and the two days after the missing

station point(s). In 1995, CPUE was highest at Station 8 causing suspicion that a substantial proportion of the run was further offshore (Flynn and Hilborn 2004). As a consequence, the cumulative index was altered to:

$$CTI_d = \sum_i^d 0.8(I_{2i} + I_{4i} + I_{6i} + 2I_{8i}) \quad (3)$$

in 1996, which gives double weight to Station 8 to account for fish passage further offshore. There was concern about causing confusion among laypersons because the magnitude of the $CTI_d$ values would change from what had been released in previous years (1985-1995). To minimize this degree of change, the scalar 0.8 was used to reduce $CTI_d$ and render the output from Equation 3 more congruous with Equation 2.

## Reporting the Daily Updates

Daily updates were usually sent out the same afternoon or evening that catches were reported from the test boat (Table 2). Daily updates always included the station-specific CPUEs (catch per 200 fathoms), average sockeye length across stations for each day, average temperature across stations for each day, the daily and cumulative Traditional Indexes, comments regarding the weather during the time of sampling, and a table of raw catches. Beginning on June 24 (Update #17), average lengths were reported for each station×day combination in an additional table. We occasionally reported historical cumulative indexes, graphs comparing water temperatures, and stock specific daily indexes (following the release of genetic stock composition estimates by ADF&G). Other graphs and analyses were performed that helped gauge run strength (see Table 1 for a summary).

# Results and Discussion

The catch entry pattern at Port Moller during 2010 exhibited a bimodal distribution with peaks occurring on June 22 and July 2 (Figure 2). This bimodal distribution was blended a little in the catch and escapement (C+E) distribution, which was likely due to variable travel times and a shifting fish per index (FPI), which increased after the first part of the season. Over the course of the season, water temperatures remained among the coldest observed since 1985 (see Update #26—July3). We suspect that FPI and travel time was affected by such deviations from normal physicochemical conditions. Measuring swimming speed and the variables that influence it would be useful in teasing apart some of these relationships.

Stock-specific daily indexes (e.g., see figure reported in Update #33—July 10) showed that Port Moller gave a good indication as to the timing and strength of each system. On June 26 (Update #19) and June 28 (Update #21), we used the crude relationship between the *CTI* and total run in previous years to say there was more evidence than not that the run would come in as forecasted or higher (Table 1). This prediction turned out to be true as ADF&G's preseason forecast was 39.8 million fish and the total inshore run was 40.2 million. On July 1, 2, 5, and 7 we noted in the updates that catches should pick up inshore over the coming days. While these predictions may not appear to be particularly profound as catches typically pick up inshore

during this time in the season, the PMTF gave added confidence that a sizeable run would manifest (days prior to this had modest C+E).

## Future Work

In addition to the traditional test fishery program, parallel sampling was conducted on a separate vessel (F/V Deliverance) in 2010 to characterize the size selectivity of the traditional net, develop a less size selective test net, estimate measurement error in the traditional index, and understand how variables such as time of day, sea state, and water temperature affect the overall PMTF index. This 3-year study was funded by the Alaska Sustainable Salmon Fund. A progress report summarizing the findings of this separate study will be issued in spring 2011. We plan on continuing this sampling during 2011 with the second boat.

For the 2011 season, we are examining ways to change the way abundance information is presented. One approach under consideration is to apportion the preseason stock-specific forecasts across days based on historical (mean and extreme) run timing curves; this would provide the daily inshore run projection by date for mean and extreme run timings. We could then superimpose on this graph our year-to-date daily projections of inshore run based on the Port Moller information. Together, this may provide a clearer picture of whether year-to-date Port Moller information is tracking the forecast. Beginning around early July, we will also use cumulative C+E to date to give a third prediction about daily catches to be expected for the remainder of the season. As always, we will report the table of indexes and lengths and other information.

## Acknowledgments

The following people and organizations contributed to the 2011 Port Moller project and its success.

Project Manager

Guy Wade (BBSRI/LGL)

R/V *Pandalus*

Skipper: Mark Hottmann (ADF&G)
Deckhands: Ted Jewell, Fred Wolstad (ADF&G)
Fish Technicians: Reid Johnson and Jerry Hunt (BBSRI)

Shore Support at Port Moller

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Daily Updates

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Scale Ageing

Cathy Tilley and Janelle Mueller (ADF&G)

Age Composition Estimates

Tim Baker and Fred West (ADF&G)

Genetic Analysis and Stock Composition Estimates

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Bristol Bay Science and Research Institute

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Eggers, D. M., and S. M. Fried. 1984. 1982 Bristol Bay salmon test fishing projects. Alaska Department of Fish and Game. Technical Data Report No. 117. 81 pp.

Flynn, L. and R. Hilborn. 2004. Test fishery indices for sockeye salmon (Oncorhychus nerka) as affected by age composition and environmental variables. Canadian Journal of Fisheries and Aquatic Resources 61:80-92.

Helton, D. 1991. An analysis of the Port Moller offshore test fishing forecast of sockeye and chum salmon runs to Bristol Bay, Alaska. M.S. Thesis, University of Washington, Seattle. Thesis No. 38816.

Randall, R. C. 1977. Offshore test fishing in Bristol Bay, 1977. Alaska Department of Fish and Game. Technical Data Report No. 63. 18 pp.

Table 1. Summary of substantive comments and predictions made in the daily updates of the Port Moller test fishery during 2010.

| Update # | Date | Comment/prediction | Did the prediction come true? |
|---|---|---|---|
| 5 | 15-Jun | Mentioned cumulative traditional Index (CTI) was below average and that sea surface temperature was below average. | |
| 8 | 17-Jun | Mentioned that the CTI was below average and could be late due to cooler SST. | |
| 9 | 18-Jun | Briefly described how we were using the second boat to get a handle on measurement error (ME) in the index. | |
| 12 | 21-Jun | Used data from the second boat to dispell suspicion that very small fish were slipping through the 5 1/8 inch mesh and causing the index to be low; commented further on measurement errror in CTI. | |
| 14 | 22-Jun | Commented that CTI caught up to the historical average. | |
| 17 | 24-Jun | Noted that catches had shifted offshore and may represent Wood River 1.2s. | |
| 19 | 26-Jun | Explained ME in CTI and how errors cancel across stations. Attempted to bracket the CTI by assuming a certain error structure and noted that there was more evidence than not that the run would come in at forecast or higher. | Yes |
| 20 | 27-Jun | Noted that the Kvichak component was strong; cautened that it may be due to other stocks being weaker; conversely, Kvichak could be stronger than expected. | |
| 21 | 28-Jun | Again noted that there was more evidence than not that the run would come in at forecast; strong Kvichak and weaker other stocks continued to cause alarm; suspected that cold water year may affect fish behaviour and/or cause the run to be late. | Yes |
| 22 | 29-Jun | Compared the entry pattern at PM to historical average and also likened it to 1991 (which came in at 42 million); dispelled rumor that sampling protocol had changed from what was done in previous years. | |
| 23 | 30-Jun | Used 2nd boat to test possibility of skipper effect. Paired samples were within 5% of each other; noted that low catches probably weren't due to sampling error as replicate sets were within 20% of each other. | |
| 24 | 1-Jul | Noted that the CTI jumped back up as it did in 1991; predicted that inshore C+E would pick up in coming days. | Yes |
| 25 | 2-Jul | Predicted a second wave of fish to hit inshore; noted that the Wood River regained strength in genetics signal | Yes |
| 27 | 4-Jul | First indication that 2nd push of fish was dropping off. Noticed an increase in ME in the CTI compared to recent days. | |
| 28 | 5-Jul | Wood River genetics were coming in really strong indicating a strong compononent to this stock left in the pipeline. | Yes |
| 30 | 7-Jul | Expected catches to really pick up in the next few days. Discounted the possibility of a sudden change in the fish per index (FPI). | Yes |
| 32 | 8-Jul | Acknowledged important personnel from each organization that facilitated the test fishery program. | |

Table 2. Timing of information received and delivery of daily updates for the Port Moller test fishery during 2010.

| Update# | DateOfSampling | DateOfUpdate | TimeOfUpdate | TimeGeneticsReceived | TimeGeneticsForwarded | TimeAgeCompReceived | TimeAgeCompForwarded |
|---|---|---|---|---|---|---|---|
| 1 | 10-Jun | 10-Jun | 8:21 PM | | | | |
| 2 | 11-Jun | 11-Jun | 8:02 PM | | | | |
| 3 | 12-Jun | 12-Jun | 8:32 PM | | | | |
| 4 | 13-Jun | 13-Jun | 6:50 PM | | | | |
| 5 | 14-Jun | 15-Jun | 11:01 AM | | | | |
| 6 | 15-Jun | 16-Jun | 10:29 AM | | | | |
| 7 | 16-Jun | 16-Jun | 3:41 PM | | | | |
| 8 | 17-Jun | 17-Jun | 10:36 PM | | | | |
| 9 | 18-Jun | 18-Jun | 10:34 PM | | | | |
| 10 | 19-Jun | 19-Jun | 10:03 PM | | | | |
| 11 | 20-Jun | 20-Jun | 9:51 PM | | | | |
| 12 | 21-Jun | 21-Jun | 9:05 PM | 12:00 PM | 9:05 PM | | |
| 14 | 22-Jun | 22-Jun | 8:52 PM | | | 9:44 AM | 10:11 AM |
| 16 | 23-Jun | 23-Jun | 9:10 PM | 10:00 AM | 10:39 AM | | |
| 17 | 24-Jun | 24-Jun | 8:51 PM | | | 7:02 AM | 8:51 PM |
| 18 | 25-Jun | 25-Jun | 11:06 PM | 10:32 AM | 11:06 PM | 7:23 AM | 11:06 PM |
| 19 | 26-Jun | 26-Jun | 10:54 PM | | | | |
| 20 | 27-Jun | 27-Jun | 2:55 PM | 9:01 AM | 2:55 PM | 7:39 AM | 2:55 PM |
| 21 | 28-Jun | 28-Jun | 12:42 AM | | | | |
| 22 | 29-Jun | 29-Jun | 11:29 PM | | | | |
| 23 | 30-Jun | 30-Jun | 10:33 PM | 11:00 AM | 5:45 PM | | |
| 24 | 1-Jul | 1-Jul | 8:15 PM | | | 8:05 AM | 8:15 PM |
| 25 | 2-Jul | 2-Jul | 7:00 PM | 12:02 PM | 1:09 PM | | |
| 26 | 3-Jul | 3-Jul | 6:00 PM | | | | |
| 27 | 4-Jul | 4-Jul | 11:05 AM | 12:01 PM | 12:32 PM | 7:29 AM | |
| 28 | 5-Jul | 5-Jul | 5:28 PM | | | | |
| 29 | 6-Jul | 6-Jul | 8:44 PM | 11:00 AM | 4:41 PM | | |
| 30 | 7-Jul | 7-Jul | 7:38 PM | | | 12:51 PM | 7:38 PM |
| 31 | 8-Jul | 8-Jul | 3:07 PM | 9:10 AM | 9:43 AM | | |
| 32 | 9-Jul | 9-Jul | 5:32 PM | | | | |
| 33 | 10-Jul | 10-Jul | 3:40 PM | 11:00 AM | 3:40 PM | 7:38 AM | 3:40 PM |

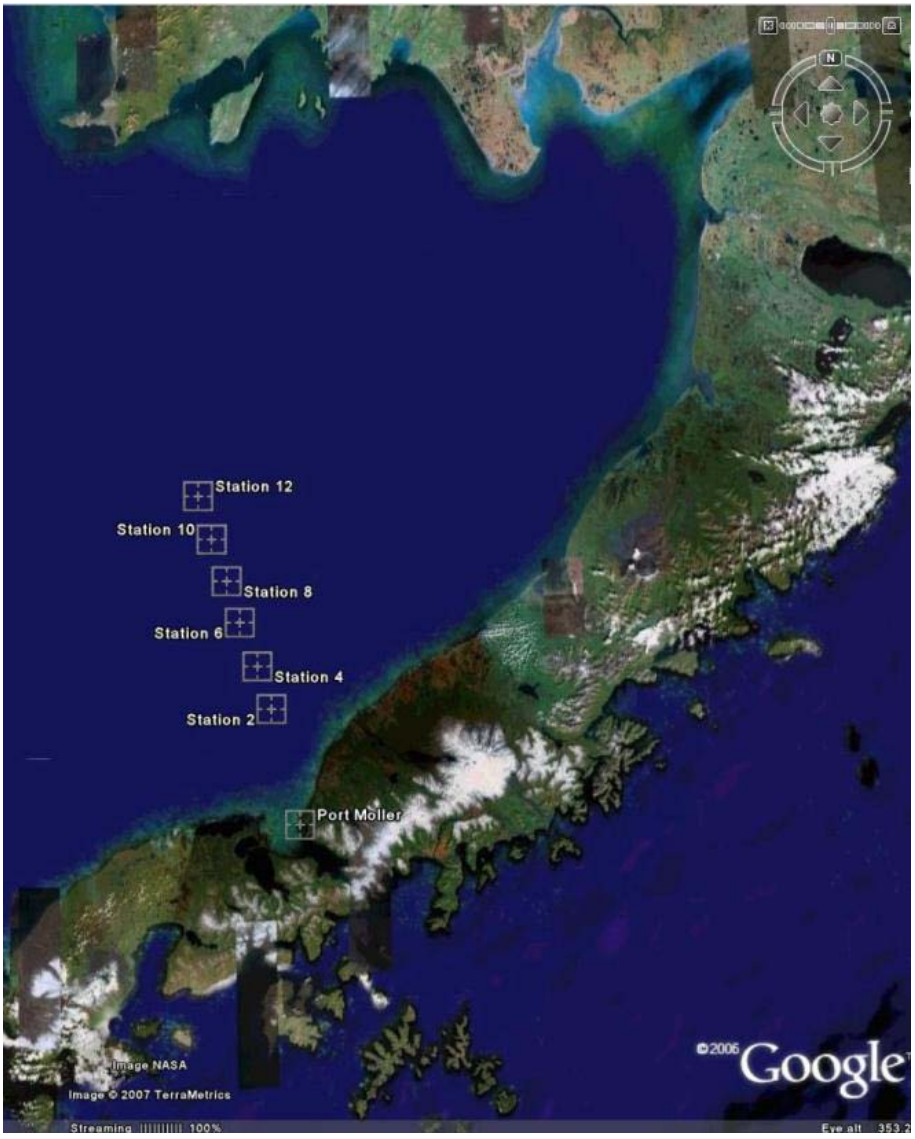



Figure 1. Locations of fishing stations for the Port Moller test fishery relative to the Alaska Peninsula and Bristol Bay.

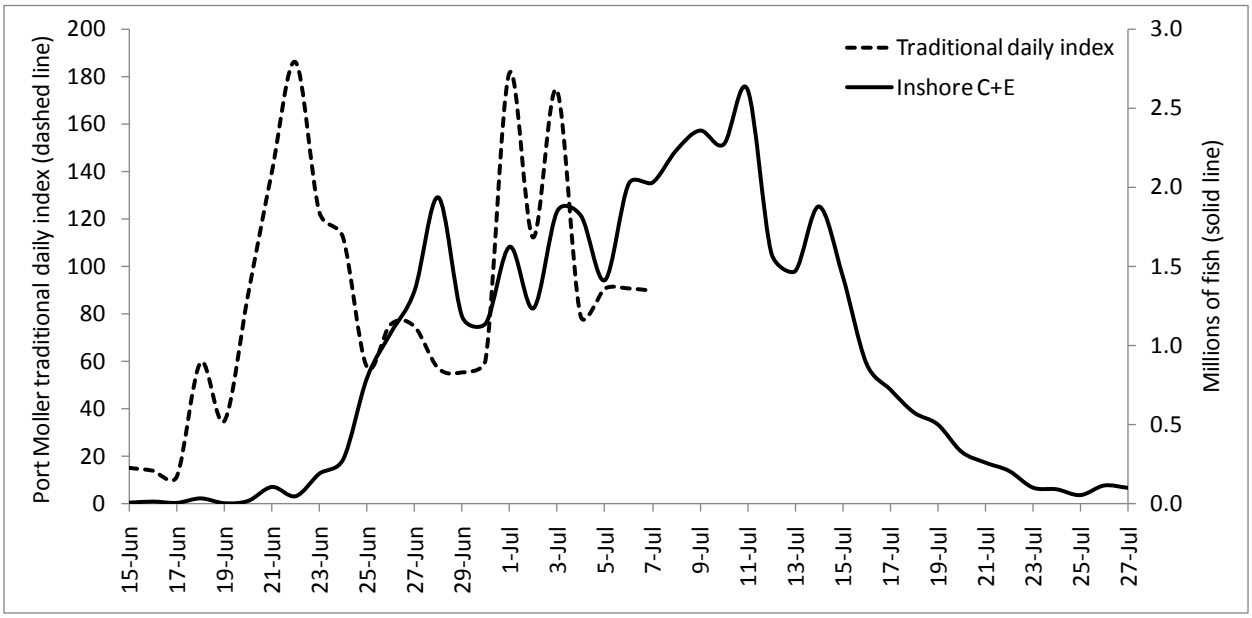



Figure 2. The traditional daily index from the Port Moller test fishery compared to inshore catch and escapement (C+E) of Bristol Bay sockeye salmon 2011.

# Port Moller Daily Updates, 2010

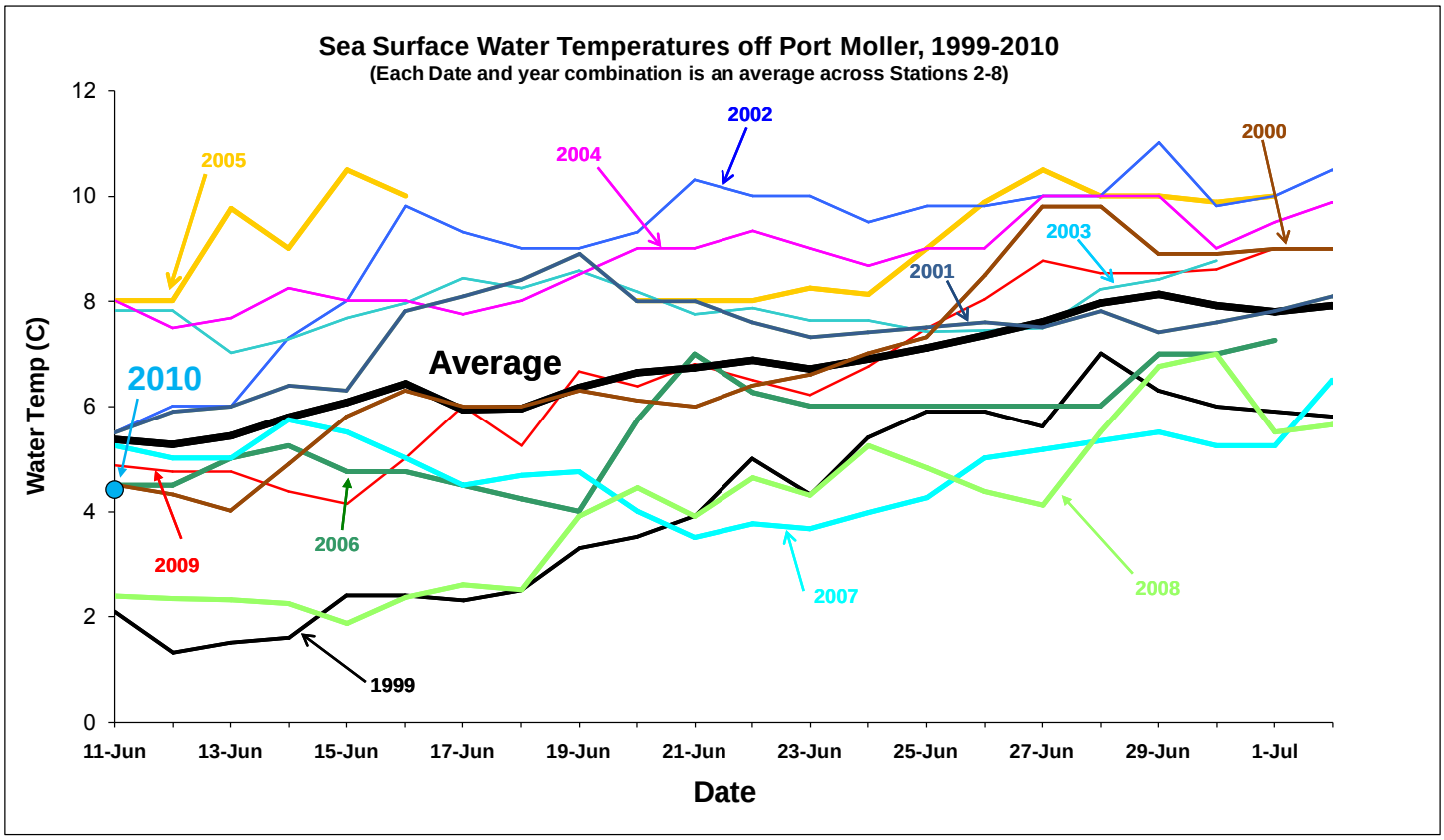
# Port Moller Test Fishery—Update #1 for June 10, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW10 kts |
| 11-Jun | | | | | | | | | | | |
| 12-Jun | | | | | | | | | | | |
| 13-Jun | | | | | | | | | | | |
| 14-Jun | | | | | | | | | | | |
| 15-Jun | | | | | | | | | | | |
| Totals | 0 | 0 | 0 | 3 | 0 | | | | | | |
| Percent[c] | 0 | 0 | 0 | 100 | 0 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).
[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).
[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.
[d] CPUE = catch per 200 fathoms per 60 min

The crew got off to a good start today fishing Stations 2-10. They will continue to fish the same five stations in the upcoming days until catches indicate the distribution may be further out (i.e., Stations 12 and 14), at which time they will drop Station 2 and add Station 12. Sea surface temperature was about average.

The Pandalus is a state owned 68 ft research vessel skippered by Mark Hottman with crew members Ted Jewell and Fred Woldstad. Reid Johnson and Jerry Hunt are our experienced fisheries technicians.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **2** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | | | | 3 | | | |
| 11-Jun | | | | | | | |
| 12-Jun | | | | | | | |
| 13-Jun | | | | | | | |
| 14-Jun | | | | | | | |
| 15-Jun | | | | | | | |
| 16-Jun | | | | | | | |
| 17-Jun | | | | | | | |
| 18-Jun | | | | | | | |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
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| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #2 for June 11, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW10 kts |
| 11-Jun | 10 | 10 | 9 | 3 | 0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW15 kts |
| 12-Jun | | | | | | | | | | | |
| 13-Jun | | | | | | | | | | | |
| 14-Jun | | | | | | | | | | | |
| 15-Jun | | | | | | | | | | | |
| Totals | 10 | 10 | 9 | 6 | 0 | | | | | | |
| Percent[c] | 29 | 29 | 25 | 17 | 0 | | | | | | |

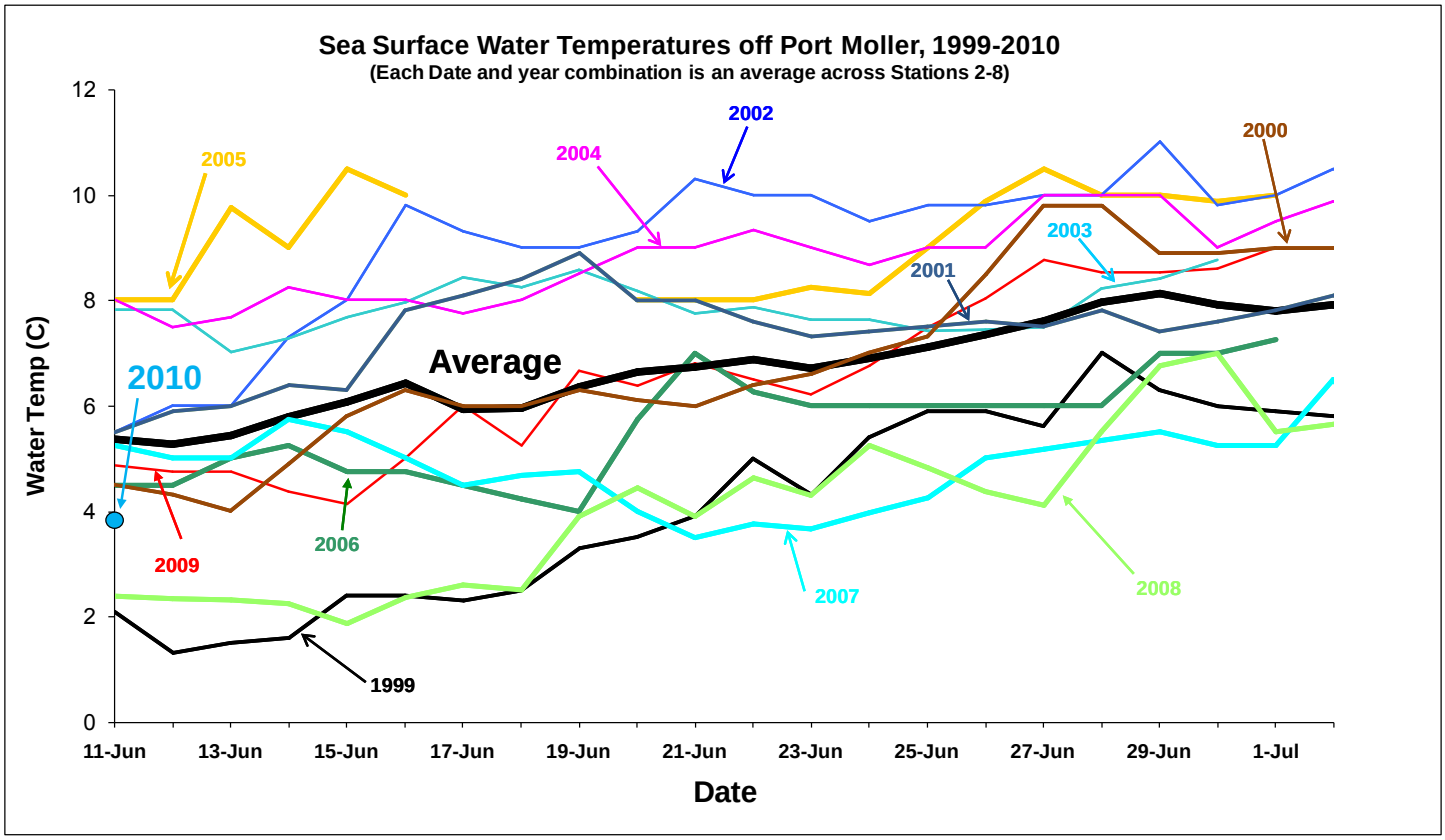
[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Fish appear to be smaller inshore and larger offshore, but the sample size is small. There are not many moving through yet, and no reason to fish further out either.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **2** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | | | | | | | |
| 13-Jun | | | | | | | |
| 14-Jun | | | | | | | |
| 15-Jun | | | | | | | |
| 16-Jun | | | | | | | |
| 17-Jun | | | | | | | |
| 18-Jun | | | | | | | |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #3 for June 12, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW10 kts |
| 11-Jun | 10 | 10 | 9 | 3 | 0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW15 kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | | | | | | | | | | | |
| 14-Jun | | | | | | | | | | | |
| 15-Jun | | | | | | | | | | | |
| Totals | 10 | 10 | 9 | 6 | 3 | | | | | | |
| Percent[c] | 29 | 29 | 25 | 17 | 9 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Hardly any fish today, but we are still very early in the season. The weather forecast is calling for strong winds tomorrow, so the crew will head back to Port Moller for the night. Chances are they won't fish tomorrow if the winds develop further over night.

ADF&G says they plan to release the first stock and age composition estimates on June 20, and then about every two days after that.

Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | |
| 14-Jun | | | | | | | |
| 15-Jun | | | | | | | |
| 16-Jun | | | | | | | |
| 17-Jun | | | | | | | |
| 18-Jun | | | | | | | |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #5 for June 14, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | | | | | | | | | | | |
| Totals | 28.9 | 44.4 | 11.6 | 24.9 | 4.7 | | | | | | |
| Percent[c] | 26.3 | 40.4 | 10.6 | 22.7 | 4.3 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

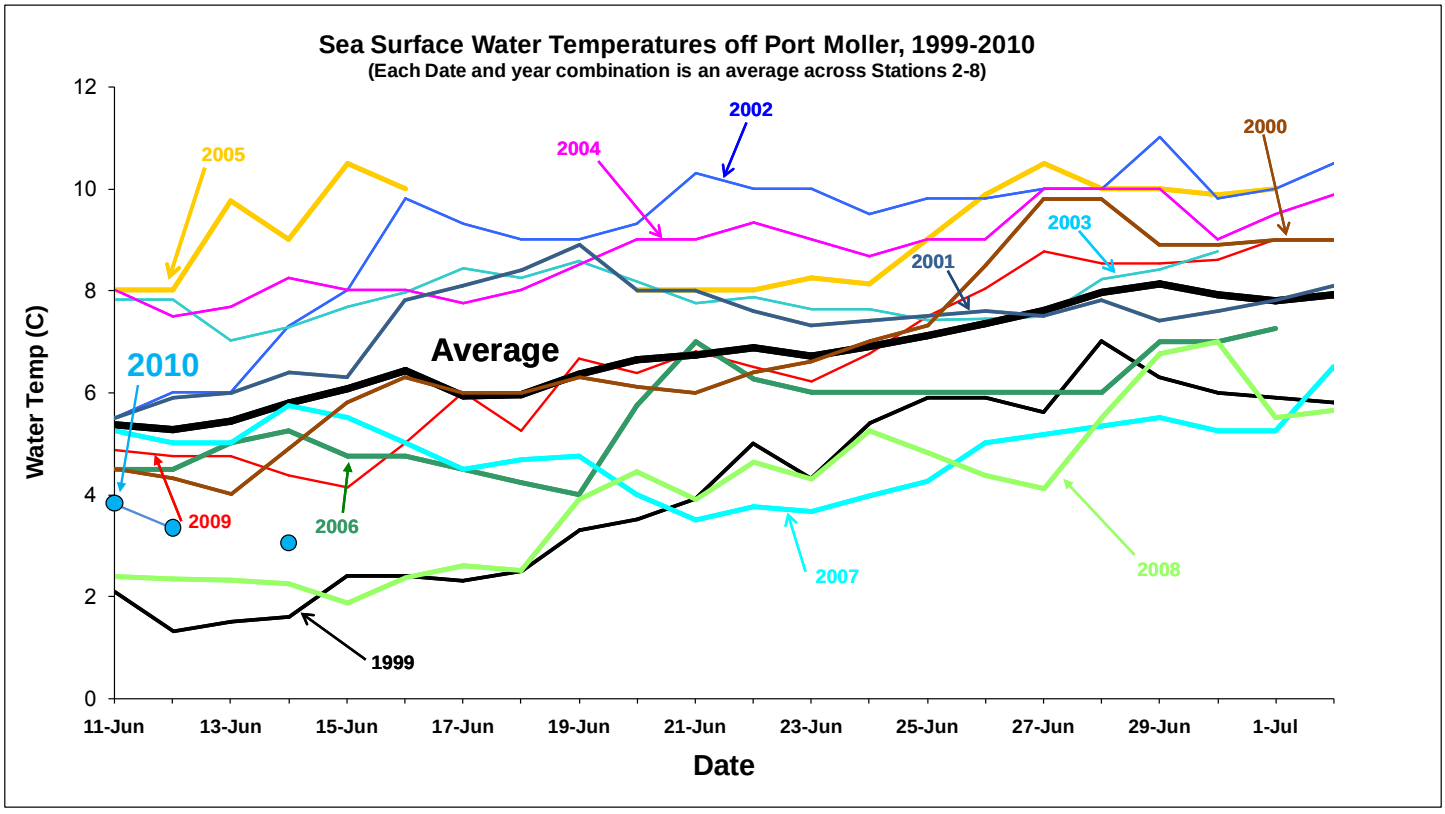
[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

The run seems to be developing with the cumulative index holding below average (but again, it's early in the season). Sea surface temperatures are cool and tracking below average. Fish are still smaller inshore and larger offshore.

Note that index values for Jun-13 (in red) are the average of Jun-12 and Jun-14 values.

Some of you inquired about the Station locations, so please see the map at the bottom of this update.

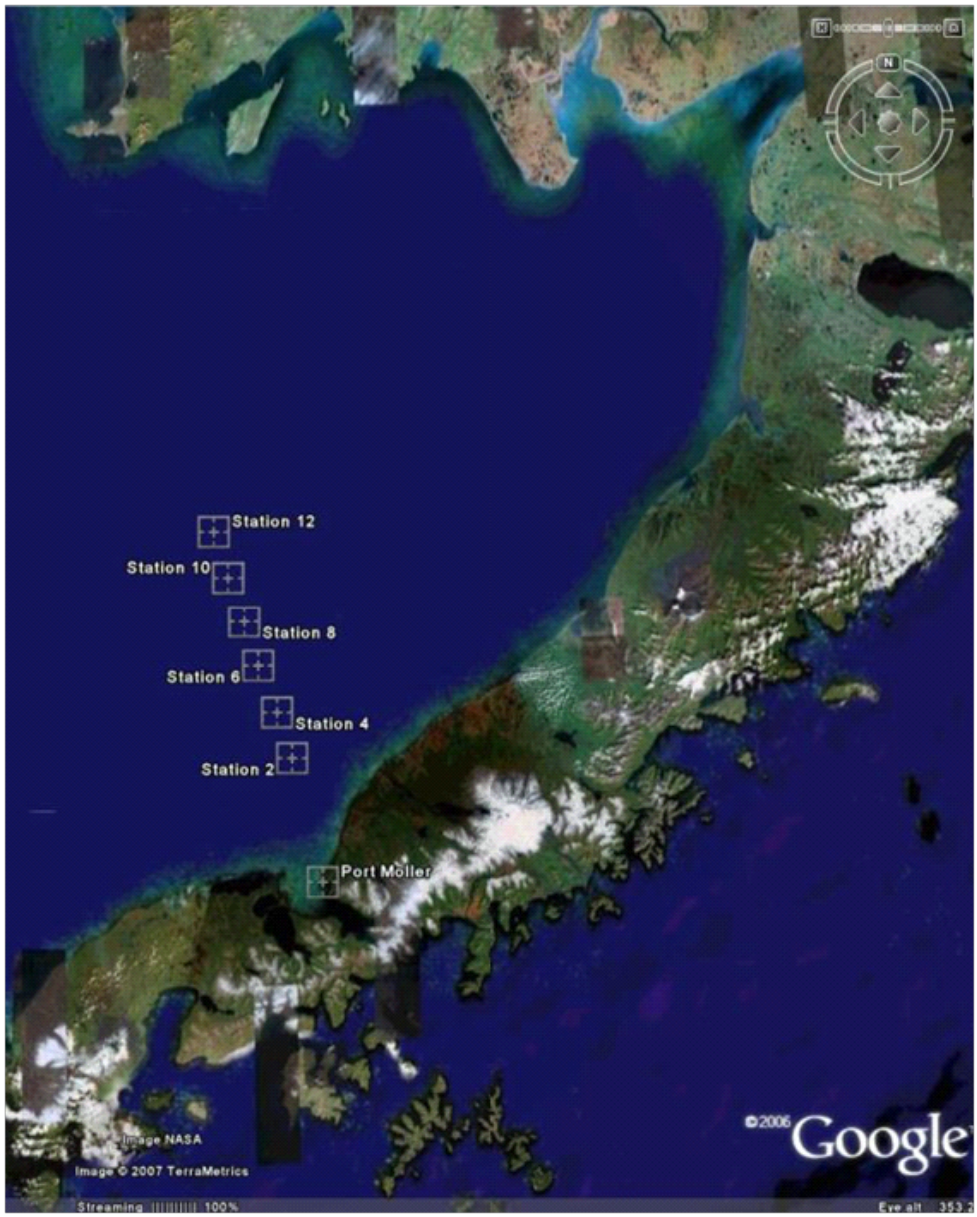


## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | | | | | | | |
| 16-Jun | | | | | | | |
| 17-Jun | | | | | | | |
| 18-Jun | | | | | | | |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |


Station 12
Station 10
Station 8
Station 6
Station 4
Station 2
Port Moller
Image NASA
Image © 2007 TerraMetrics
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Streaming 100%

# Port Moller Test Fishery—Update #6 for June 15, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| Totals | 42.8 | 50.2 | 21.9 | 28.9 | 4.7 | | | | | | |
| Percent[c] | 29.8 | 34.9 | 15.2 | 20.1 | 3.3 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

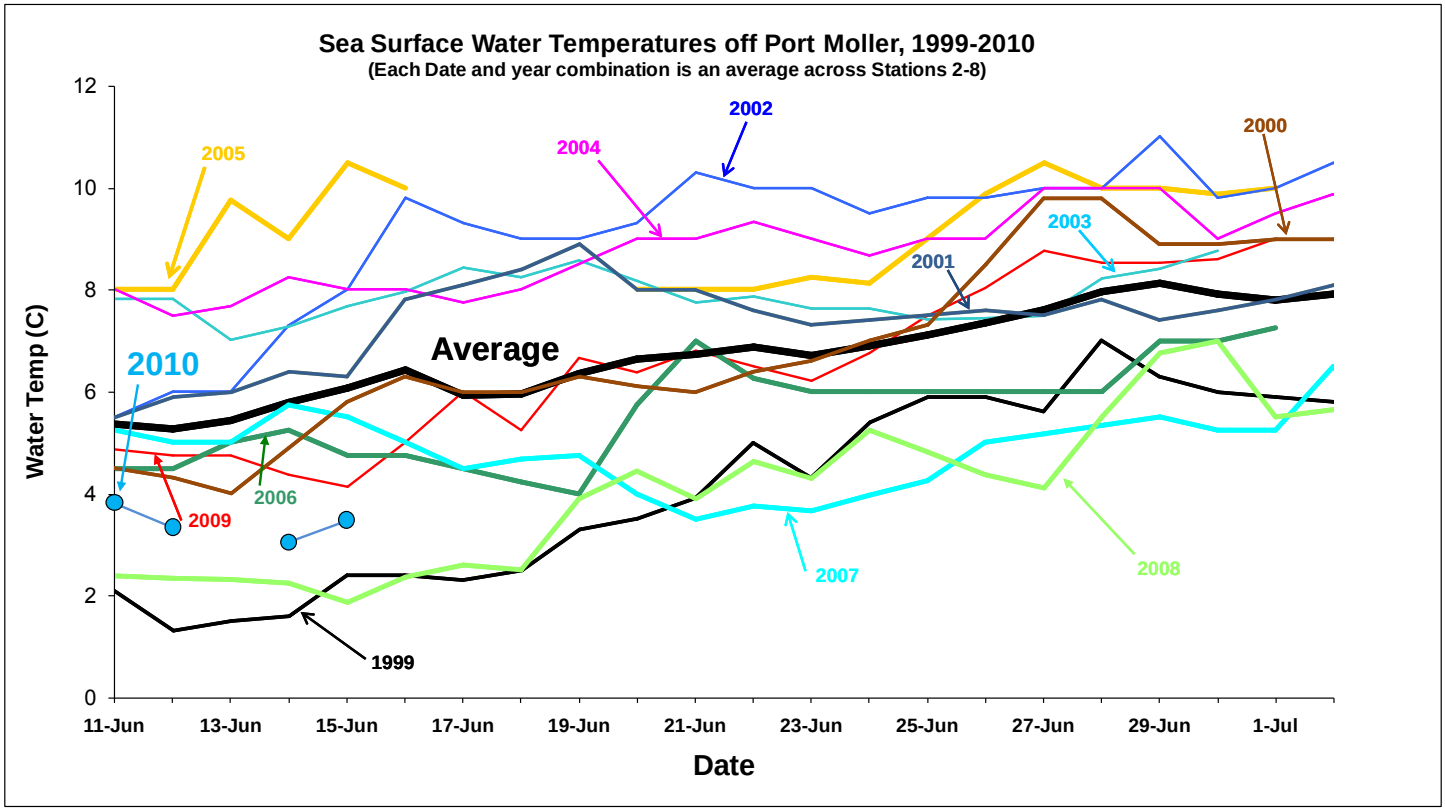
[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

The crew reports rough fishing today and the forecast calling for winds around 35kts tomorrow, so a good chance that no fishing will occur. The cumulative index remains below average and sea surface temperature is still cool.

Note that index values for Jun-13 (in red) are the average of Jun-12 and Jun-14 values.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | | | | | | | |
| 17-Jun | | | | | | | |
| 18-Jun | | | | | | | |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #7 for June 16, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | | | | | | 545 | | | | Overcast; Seas 12 ft; S 35 kts |
| Totals | 42.8 | 50.2 | 21.9 | 28.9 | 4.7 | | | | | | |
| Percent[c] | 29.8 | 34.9 | 15.2 | 20.1 | 3.3 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

The winds were too much for fishing today. The crew made one set at Station 2, but then had to head back to Port Moller. The forecast for tomorrow calls for more of the same, but we will resume fishing if at all possible.

Totals and percentages on the bottom two rows reflect catches through June 15 only.

Raw catch of sockeye

| Date | Sockeye Catch by Station 2 | 4 | 6 | 8 | 10 | 12 | Total |
|---|---|---|---|---|---|---|---|
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | | | | | | | |
| 18-Jun | | | | | | | |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #8 for June 17, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 218 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| Totals | 65.7 | 82.5 | 27.1 | 31.0 | 4.7 | | | | | | |
| Percent[c] | 31.8 | 40.0 | 13.1 | 15.0 | 2.3 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

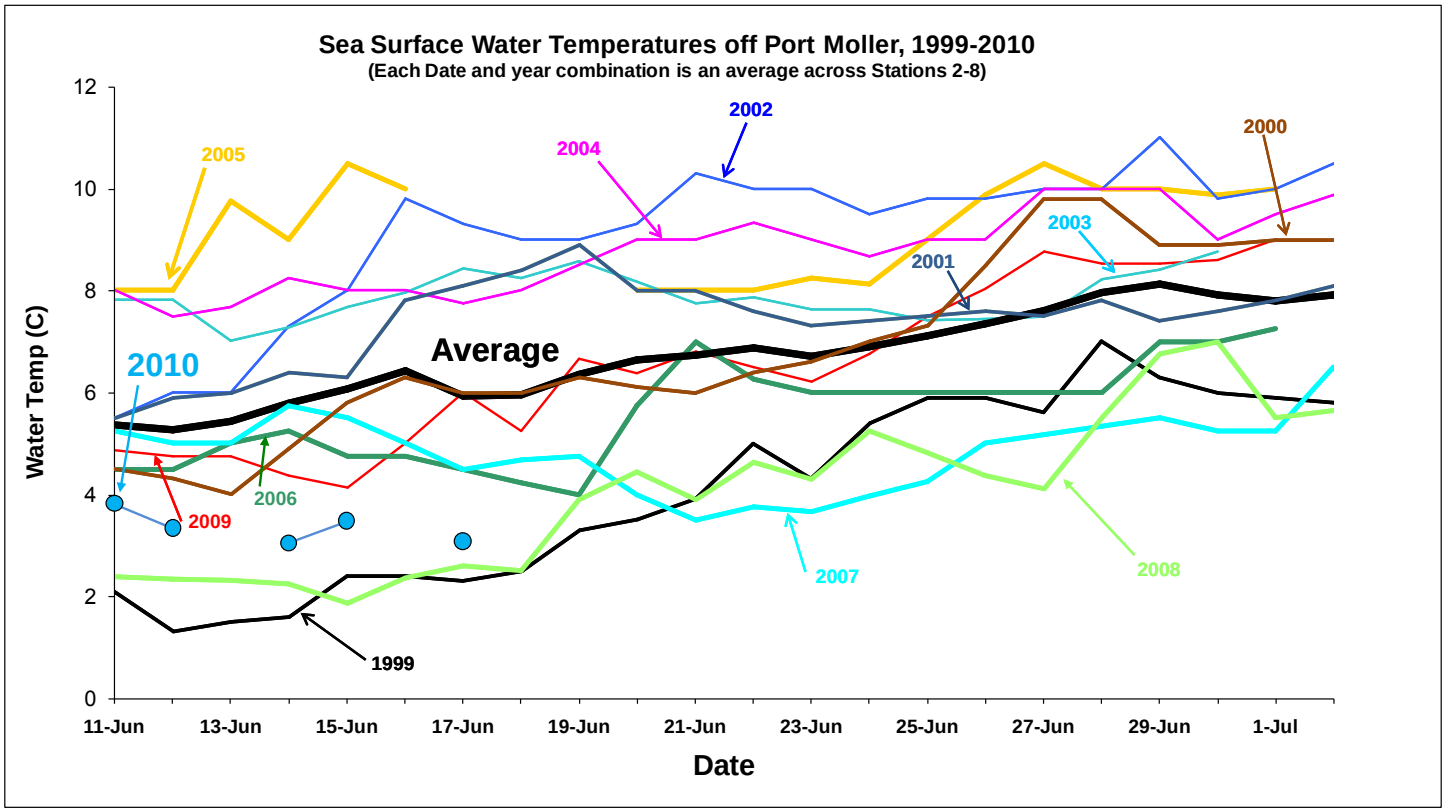
[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

The weather relaxed a little today and the crew got all of their sets in. The cumulative index remains below average, but if the run is one or two days late then it starts to look closer to average. A later run would be consistent with cooler sea surface temperatures, but one doesn't have to look hard to find anomalies in the historical dataset that contradict this speculation. Fish are closer inshore and remain smaller at Station 2.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | **83** | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | **95** | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | | 26 |
| 18-Jun | | | | | | | |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #9 for June 18, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 218 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| Totals | 101.0 | 127.8 | 87.1 | 35.1 | 13.0 | | | | | | |
| Percent[c] | 28.8 | 36.4 | 24.8 | 10.0 | 3.7 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

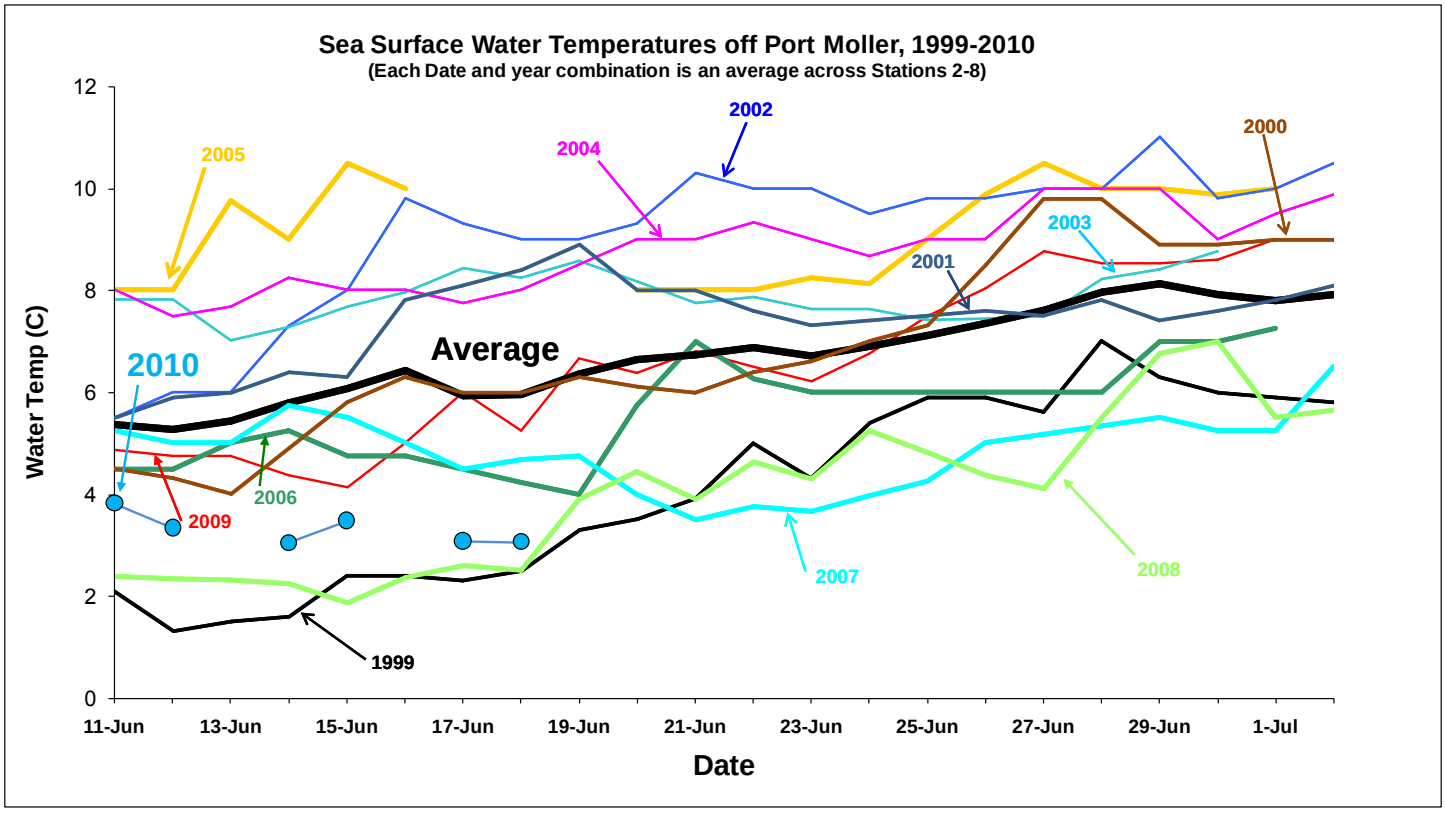
[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

Catches increased today across all stations, and fish were still distributed closer inshore. Inside fish were still smaller than outside fish—Stations 2, 4, 6, 8, and 10 lengths (MEFL) were 535, 540, 541, 564, and 562, respectively.

We have a second boat fishing experimental nets in an effort to quantify some of the measurement error surrounding the Port Moller Index. More explanation describing this study will follow in subsequent updates once we have more results. For now, we will report that the second boat made 3 sets at Station 4 today with a net identical to the one used in the core program. The index values were 117, 54, and 70.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | **83** | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | **95** | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | **154** | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | | 148 |
| 19-Jun | | | | | | | |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #10 for June 19, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| Totals | 123.6 | 180.6 | 99.1 | 35.1 | 13.0 | | | | | | |
| Percent[c] | 28.2 | 41.2 | 22.6 | 8.0 | 3.0 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

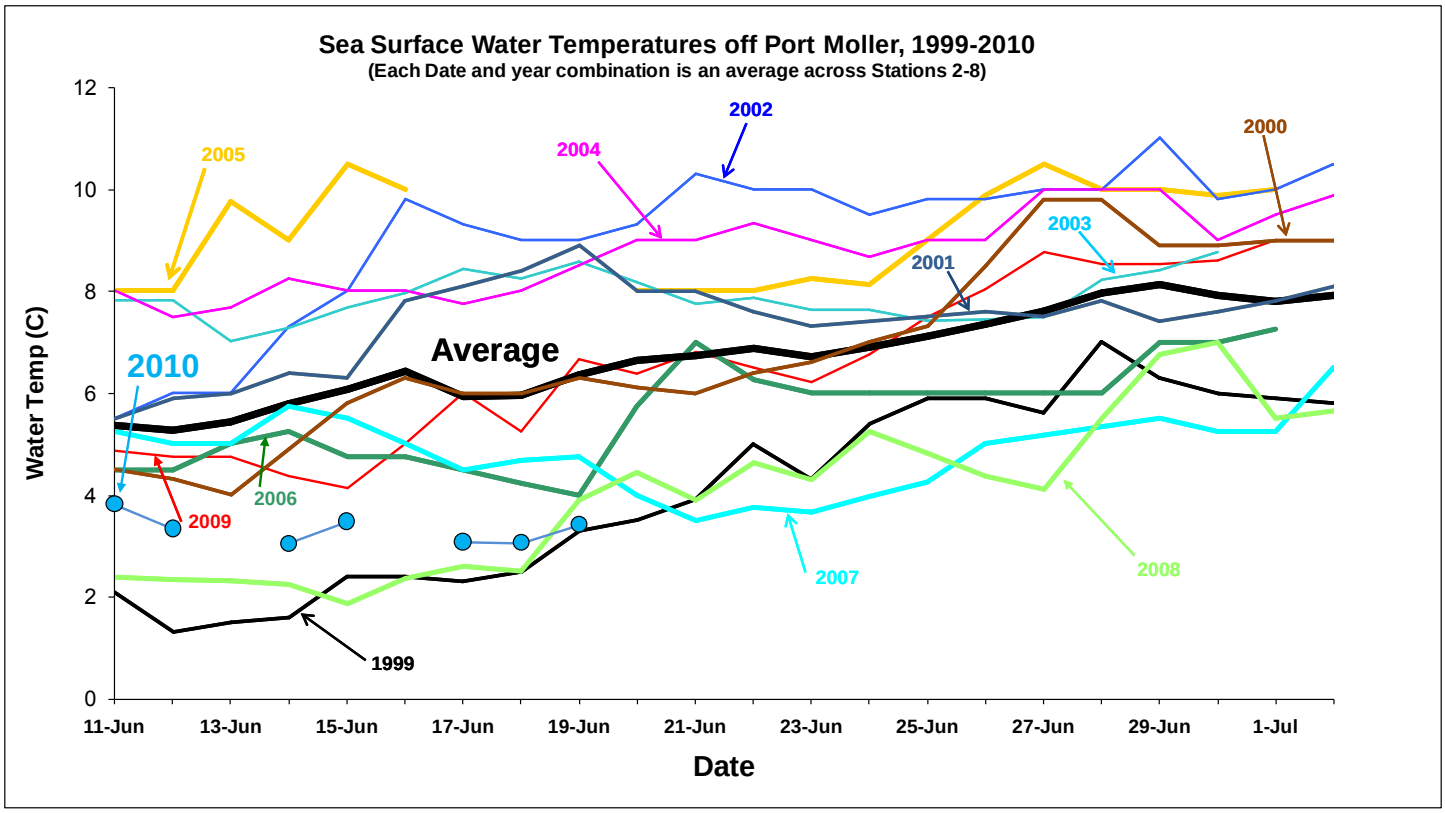
[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

Please note that the average length for June 16 was incorrectly entered as 218 in previous updates. The correct value is 545.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | **83** | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | **95** | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | **154** | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | **189** | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | | 86 |
| 20-Jun | | | | | | | |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #11 for June 20, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| Totals | 123.6 | 221.3 | 278.3 | 35.1 | 13.0 | | | | | | |
| Percent[c] | 18.8 | 33.6 | 42.3 | 5.3 | 2.0 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

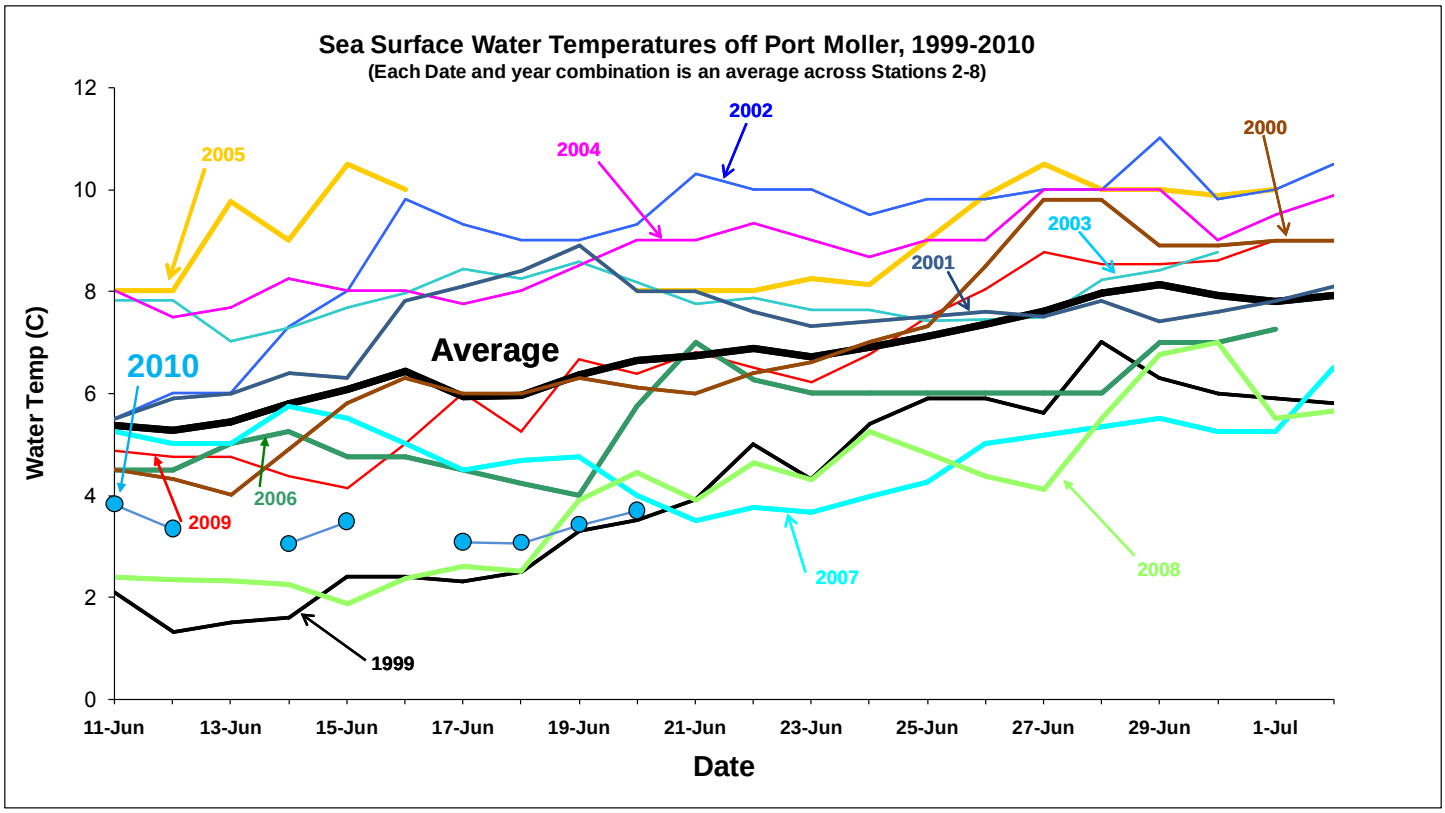
[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

The latest scale and tissue samples made it from Port Moller to King Salmon and Anchorage last night. ADF&G reports that age (from scales) and stock composition estimates (from genetics) may be reported late tomorrow, but most likely by June 22. Too few fish were caught early in the season to provide age and stock composition before now. The R/V Pandalus was going to drop off the next set of samples in Port Moller this evening.

The catch rate jumped at Station 6, which may reflect an early push of fish past Port Moller but the light catches at other stations suggests this doesn't likely represent a push of fish like we see near the peak as it wasn't sustained across the transect. Higher catches at Station 6 are probably early season patchiness in fish distribution. Average length of fish across stations remains similar to last year at this point in the season.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | **83** | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | **95** | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | **154** | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | **189** | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | **277** | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | | 257 |
| 21-Jun | | | | | | | |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #12 for June 21, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 541 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| Totals | 142.2 | 231.7 | 322.2 | 173.0 | 45.0 | | | | | | |
| Percent[c] | 16.4 | 26.7 | 37.1 | 19.9 | 5.2 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

There were larger catches again today and a little further offshore, but not enough to justify the crew moving to Station 12; they will begin fishing at Station 10 tomorrow morning.

There have been concerns that indices are low because small fish may make up a large portion of the run and are slipping through the "Traditional Net", which is 5 1/8" mesh. Note that we have a second vessel (F/V Deliverance, with skipper Todd Hoppe) operating at Port Moller this summer to calibrate a less-selective net to replace the Traditional Net used in the test fishery at some point in the future. This "Replacement Net" is made up of a 4-shackle net that alternates 4½" and 5 1/8" meshes (i.e., 4.5, 5.125, 4.5, 5.125 shackles). One component of the study involves the Deliverance crew fishing sequentially the Replacement Net and an identical version of the 4-shackle Traditional Net at Station 4. The catches from the two different sizes of mesh in the Replacement Net do not suggest a small-fish problem, at least at this stage. The catches have been about equally distributed between the meshes, and today the average large:small mesh catch ratio was about 1.5:1. In other words, more fish were caught in the larger (Traditional) mesh.

As another point of interest, 3 sets were made with a Traditional Net at Station 4 by the Deliverance. Index values were as follows: 31.6, 18.3, and 19.3. These values correspond to the Station 4 index of 10.3 sampled by the R/V Pandalus, which is providing the data for the usual daily updates. It should be noted that the Deliverance is using identical methods to the Pandalus during sets; however, the Deliverance set at different times and during different tides than the Pandalus.

## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | **83** | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | **95** | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | **154** | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | **189** | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | **277** | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | **417** | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | | 254 |
| 22-Jun | | | | | | | |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #14 for June 22, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 541 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 534 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| Totals | 149.7 | 281.7 | 457.0 | 309.1 | 89.3 | | | | | | |
| Percent[c] | 12.5 | 23.5 | 38.2 | 25.8 | 7.5 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

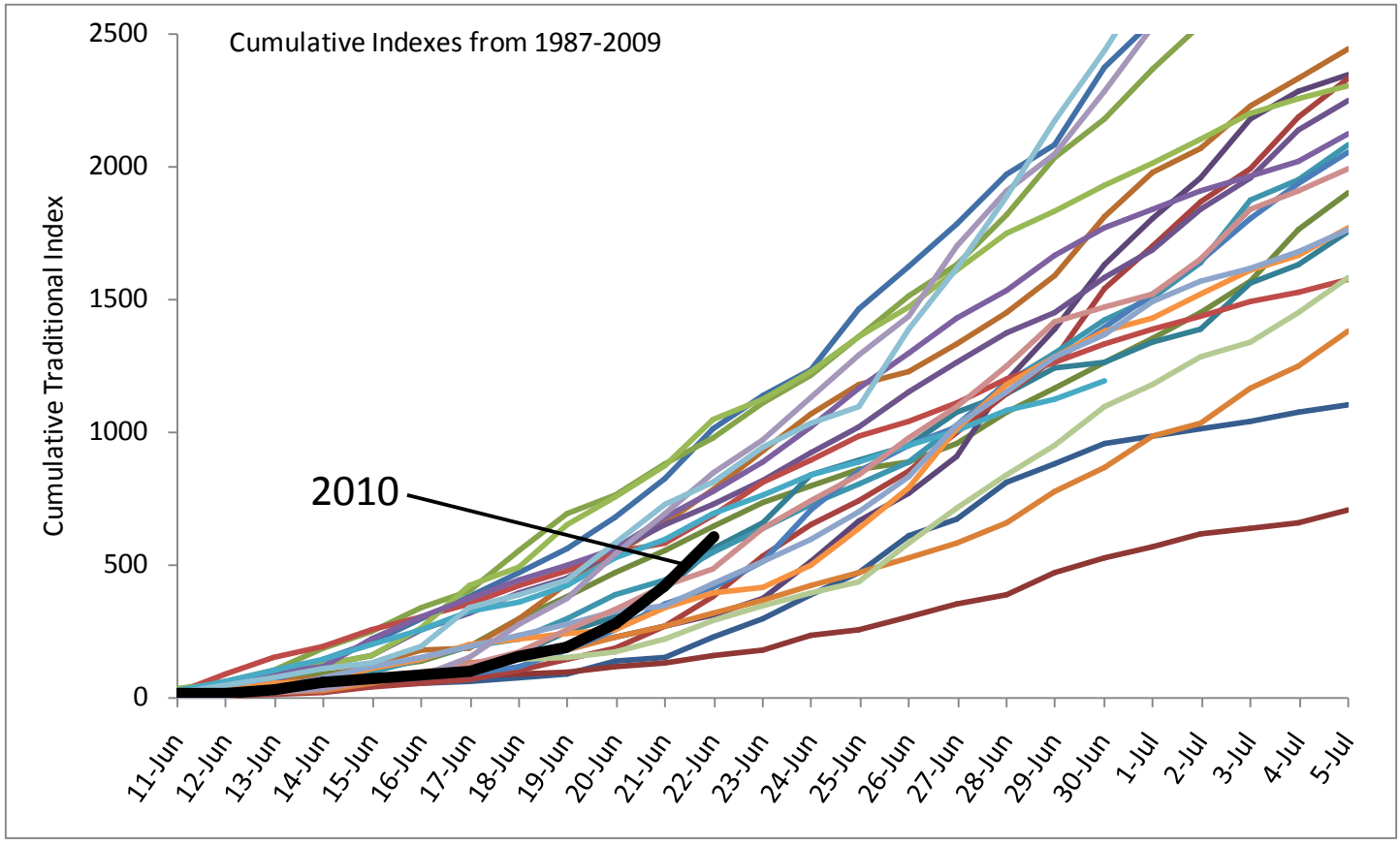
[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

To have started out so slow, the cumulative Traditional Index is rising fast and overtook the average today (see Figure below). This pattern may indicate a compressed and/or late run. The distribution has shifted to further offshore, and it will be interesting to see how subsequent genetic stock composition estimates compare.

The crew will fish Stations 2-10 tomorrow and assess the catches to decide whether to move out to Station 12.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | **83** | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | **95** | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | **154** | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | **189** | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | **277** | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | **417** | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | **603** | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | | 394 |
| 23-Jun | | | | | | | |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #16 for June 23, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 539 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 536 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 541 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 534 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| Totals | 149.7 | 367.1 | 517.0 | 387.5 | 117.3 | | | | | | |
| Percent[c] | 10.5 | 25.8 | 36.4 | 27.3 | 8.3 | | | | | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on stations 2, 4, 6, and 8 only (station 8 weighted double and station 10 is not used).

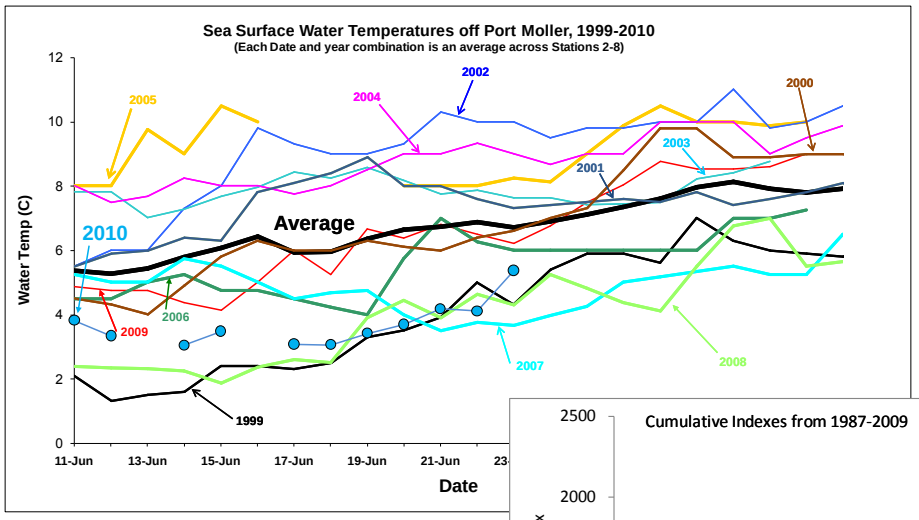
[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

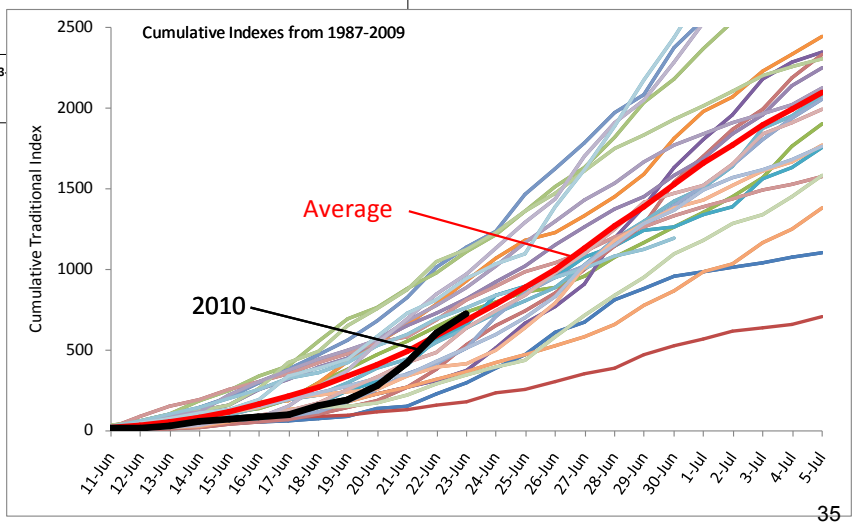
[d] CPUE = catch per 200 fathoms per 60 min

Note that index values in red are the average of adjacent values before and after for each station.

Catches slowed again today, but the cumulative Traditional Index remains about average. Sea surface temperature increased more than expected.

The crew anchored at Station 10 and will begin fishing there in the morning.



## Historical cumulative Traditional Indexes

| Date | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | **2010** | Min | Avg | Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11 | 8 | 7 | 17 | 7 | 6 | 18 | 18 | 4 | 33 | 22 | 13 | 6 | 16 | 21 | 31 | 24 | 28 | 8 | 13 | 12 | 11 | 0 | 18 | **17** | 0 | 15 | 33 |
| 6/12 | 15 | 16 | 43 | 19 | 13 | 37 | 29 | 7 | 62 | 43 | 30 | 11 | 33 | 89 | 52 | 51 | 56 | 22 | 27 | 12 | 19 | 7 | 43 | **17** | 7 | 32 | 89 |
| 6/13 | 22 | 28 | 67 | 32 | 19 | 56 | 57 | 12 | 99 | 67 | 42 | 16 | 46 | 147 | 89 | 93 | 100 | 49 | 32 | 17 | 36 | 19 | 72 | **29** | 12 | 53 | 147 |
| 6/14 | 30 | 40 | 85 | 43 | 25 | 76 | 146 | 21 | 186 | 120 | 67 | 27 | 53 | 191 | 124 | 116 | 145 | 57 | 73 | 35 | 53 | 34 | 107 | **54** | 21 | 81 | 191 |
| 6/15 | 43 | 56 | 111 | 61 | 42 | 122 | 208 | 38 | 248 | 159 | 97 | 50 | 67 | 256 | 155 | 220 | 199 | 107 | 112 | 57 | 64 | 74 | 131 | **69** | 38 | 116 | 256 |
| 6/16 | 53 | 74 | 137 | 84 | 66 | 176 | 293 | 55 | 337 | 257 | 144 | 85 | 83 | 306 | 259 | 304 | 257 | 144 | 151 | 91 | 89 | 81 | 189 | **83** | 53 | 162 | 337 |
| 6/17 | 61 | 82 | 194 | 100 | 106 | 182 | 382 | 66 | 400 | 315 | 190 | 128 | 90 | 352 | 422 | 374 | 327 | 200 | 191 | 124 | 99 | 151 | 337 | **95** | 61 | 212 | 422 |
| 6/18 | 71 | 89 | 297 | 143 | 164 | 296 | 472 | 101 | 552 | 391 | 217 | 150 | 114 | 421 | 489 | 445 | 357 | 222 | 233 | 168 | 142 | 273 | 386 | **154** | 71 | 269 | 552 |
| 6/19 | 85 | 95 | 380 | 184 | 245 | 428 | 562 | 146 | 689 | 447 | 299 | 178 | 181 | 476 | 649 | 499 | 422 | 239 | 277 | 251 | 149 | 375 | 441 | **189** | 85 | 335 | 689 |
| 6/20 | 138 | 114 | 468 | 225 | 305 | 540 | 681 | 183 | 762 | 552 | 386 | 224 | 255 | 543 | 752 | 562 | 526 | 251 | 322 | 329 | 173 | 541 | 582 | **277** | 114 | 409 | 762 |
| 6/21 | 151 | 128 | 550 | 267 | 404 | 658 | 824 | 269 | 878 | 653 | 441 | 266 | 352 | 584 | 871 | 679 | 597 | 338 | 343 | 423 | 219 | 689 | 727 | **417** | 128 | 492 | 878 |
| 6/22 | 223 | 154 | 644 | 313 | 561 | 783 | 1012 | 379 | 975 | 730 | 543 | 320 | 414 | 684 | 1046 | 773 | 694 | 393 | 430 | 486 | 287 | 845 | 812 | **603** | 154 | 587 | 1046 |
| 6/23 | 296 | 181 | 733 | 374 | 657 | 927 | 1135 | 531 | 1110 | 818 | 637 | 363 | 514 | 808 | 1125 | 887 | 764 | 416 | 509 | 636 | 343 | 970 | 943 | **724** | 181 | 682 | 1135 |
| 6/24 | 383 | 231 | 799 | 511 | 837 | 1068 | 1234 | 648 | 1214 | 918 | 730 | 423 | 704 | 896 | 1227 | 1018 | 835 | 498 | 597 | 739 | 393 | 1132 | 1030 | | 231 | 785 | 1234 |
| 6/25 | 469 | 253 | 857 | 665 | 891 | 1178 | 1466 | 743 | 1356 | 1020 | 806 | 471 | 853 | 981 | 1361 | 1166 | 887 | 639 | 699 | 836 | 438 | 1287 | 1092 | | 253 | 888 | 1466 |
| 6/26 | 607 | 305 | 885 | 771 | 946 | 1226 | 1624 | 854 | 1509 | 1152 | 888 | 523 | 949 | 1042 | 1470 | 1297 | 950 | 792 | 831 | 979 | 582 | 1435 | 1390 | | 305 | 1000 | 1624 |
| 6/27 | 668 | 353 | 955 | 908 | 1077 | 1334 | 1783 | 995 | 1633 | 1261 | 1029 | 582 | 1022 | 1110 | 1607 | 1427 | 1007 | 1012 | 1026 | 1092 | 710 | 1702 | 1618 | | 353 | 1127 | 1783 |
| 6/28 | 808 | 386 | 1072 | 1192 | 1146 | 1453 | 1973 | 1144 | 1815 | 1371 | 1183 | 659 | 1186 | 1199 | 1747 | 1536 | 1078 | 1179 | 1149 | 1250 | 837 | 1911 | 1890 | | 386 | 1268 | 1973 |
| 6/29 | 883 | 472 | 1166 | 1389 | 1241 | 1586 | 2085 | 1279 | 2033 | 1449 | 1297 | 776 | 1267 | 1265 | 1830 | 1663 | 1123 | 1283 | 1285 | 1417 | 947 | 2046 | 2171 | | 472 | 1389 | 2171 |
| 6/30 | 956 | 523 | 1261 | 1632 | 1261 | 1812 | 2372 | 1538 | 2179 | 1580 | 1421 | 867 | 1392 | 1333 | 1931 | 1773 | 1196 | 1380 | 1363 | 1472 | 1095 | 2287 | 2438 | | 523 | 1524 | 2438 |
| 7/1 | 983 | 568 | 1354 | 1804 | 1340 | 1981 | 2547 | 1699 | 2365 | 1684 | 1504 | 986 | 1516 | 1386 | 2010 | 1838 | | 1427 | 1490 | 1519 | 1176 | 2525 | 2724 | | 568 | 1656 | 2724 |
| 7/2 | 1010 | 614 | 1448 | 1960 | 1390 | 2066 | 2789 | 1866 | 2537 | 1838 | 1637 | 1034 | 1647 | 1437 | 2105 | 1909 | | 1516 | 1569 | 1650 | 1280 | 2676 | 2972 | | 614 | 1770 | 2972 |
| 7/3 | 1043 | 637 | 1566 | 2182 | 1564 | 2228 | 2849 | 1990 | 2725 | 1955 | 1871 | 1165 | 1805 | 1494 | 2202 | 1965 | | 1613 | 1617 | 1839 | 1342 | 2741 | 3220 | | 637 | 1892 | 3220 |
| 7/4 | 1073 | 659 | 1761 | 2284 | 1629 | 2333 | 2928 | 2187 | 2874 | 2139 | 1947 | 1247 | 1933 | 1527 | 2255 | 2022 | | 1663 | 1677 | 1912 | 1448 | 2863 | 3430 | | 659 | 1991 | 3430 |
| 7/5 | 1104 | 707 | 1901 | 2345 | 1756 | 2443 | 3028 | 2330 | 2995 | 2247 | 2079 | 1377 | 2054 | 1572 | 2308 | 2122 | | 1770 | 1762 | 1995 | 1582 | 3021 | 3567 | | 707 | 2094 | 3567 |
| Run Size (millions) | 27 | 23 | 44 | 48 | 42 | 45 | 52 | 50 | 61 | 37 | 19 | 18 | 39 | 23 | 22 | 17 | 26 | 43 | 39 | 43 | 45 | 42 | 40 | | | | |

## Raw catch of sockeye

| | Sockeye Catch by Station | | | | | | |
|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | | 3 |
| 13-Jun | | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | | 33 |
| 16-Jun | 13 | | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | | 234 |
| 24-Jun | | | | | | | |
| 25-Jun | | | | | | | |
| 26-Jun | | | | | | | |
| 27-Jun | | | | | | | |
| 28-Jun | | | | | | | |
| 29-Jun | | | | | | | |
| 30-Jun | | | | | | | |
| 1-Jul | | | | | | | |
| 2-Jul | | | | | | | |
| 3-Jul | | | | | | | |
| 4-Jul | | | | | | | |
| 5-Jul | | | | | | | |

# Port Moller Test Fishery—Update #17 for June 24, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| Totals | 149.7 | 367.1 | 517.0 | 387.5 | 117.3 | | | | | | |
| Percent[c] | 10.5 | 25.8 | 36.4 | 27.3 | 8.3 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | 12 | Weighted average |
|---|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| Weighted average | 541 | 544 | 539 | 535 | 534 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

Note that index values in red are the average of adjacent values before and after for each station.

We've added station specific average lengths, which is an early indication of age composition. Attached along with this update are age composition estimates from ADF&G up through June 18, which show the majority of the run to have been age 1.3 followed by age 1.2. Beginning on June 20, the catch distribution begins shifting offshore and by June 22 average size has dropped with outside catches really picking up. The catch pattern in recent days is probably starting to represent the expected Wood River 1.2s, which are moving through the outer stations.

Attached are pictures of the R/V Pandalus (sampling for the traditional test fishery) and the F/V Deliverance (sampling for the gillnet selectivity and replacement study).

PANDALUS

DELIVERANCE

# Port Moller Test Fishery—Update #18 for June 25, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | | | 533 | 4.6 | 58 | 896 | |
| Totals | 160.4 | 391.2 | 658.6 | 514.3 | 148.6 | | | | | | |
| Percent[c] | 9.3 | 22.7 | 38.2 | 29.8 | 8.6 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | 12 | Weighted average |
|---|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| Weighted average | 540 | 544 | 539 | 534 | 534 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

The *Pandalus* fished 2 and 4 then headed in to switch out a couple of shackles of net. The *Deliverance* did Stations 6 and 8 (after fishing some sets at 4 earlier in the day). We won't have tissues samples today so the genetics will then cover June 23-24 and 26-28.

Today's cumulative index stalled today with a daily index half of what it was in recent days. This sort of day-to-day variation isn't uncommon. For example, it stalled last year this time as well just before record values. The sets made at Station 4 by the *Deliverance* showed similar low catches so we are fairly confident the lull at those inshore stations was real.

The genetics results from ADF&G sent earlier today showed the bulk of the fish from three stocks: Egegik, Wood, and Kvichak for June 21-22. These two days represent an index total of 54% of the year to date cumulative index. An

interesting result was the Kvichak at ~24%. Twenty four percent seems pretty high for this early in the season but it is possible that it was due to an anomalous catch of Kvichak fish in the test net. The fish are fairly patchy early in the season at Port Moller and we've seen single sample anomalies in the past (see the multi-year dataset in the ADF&G genetics report). A strong showing of Kvichak this early is noteworthy because Kvichak fish typically peak inshore ~July 7, so we'd expect them to peak at Port Moller ~July 1. Other early-run (and often more-abundant) stocks tend to dominate Port Moller catch this time of year. The strength of this signal in the composition estimates will be more believable if it appears again in the next couple samples.

In the graph below, I have apportioned the daily Traditional Index across stocks based on the genetic stock composition estimates. This representation of the data provides a visual of when and how strong each stocks signal appears at Port Moller (and can indicate when a stock has peaked there). Egegik dominates thus far (a common early season result), followed by the Wood with the Kvichak catching up. The validity of any trends in this plot increases with number of samples so single-sample spikes (e.g., Kvichak) should be interpreted with a great deal of caution.

# Port Moller Test Fishery—Update #19 for June 26, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12.0 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4.0 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| Totals | 172.4 | 447.4 | 698.0 | 555.0 | 158.2 | | | | | | |
| Percent[c] | 9.2 | 23.9 | 37.3 | 29.6 | 8.4 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | 12 | Weighted average |
|---|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | | 545 |
| Weighted average | 542 | 544 | 539 | 535 | 535 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

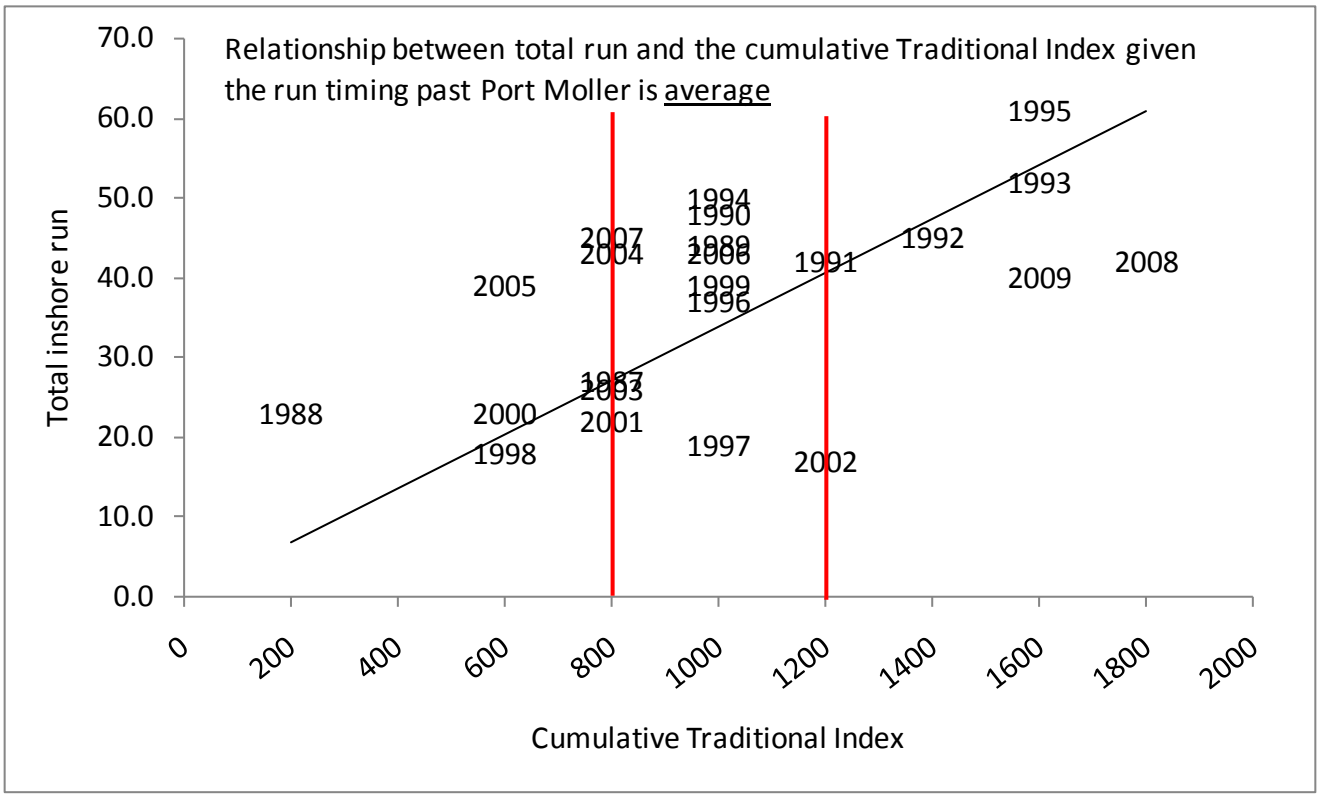
The daily Traditional Index for today was low to medium. These are the result s from the R/V *Pandalus*. The other vessel (F/V *Deliverance*) fished 4 sets at Station 8 today and saw some similar, and some larger catches. Average fish body size was larger than recent couple days; an influence of more (and larger) fish coming from inshore stations in the day's total catch.

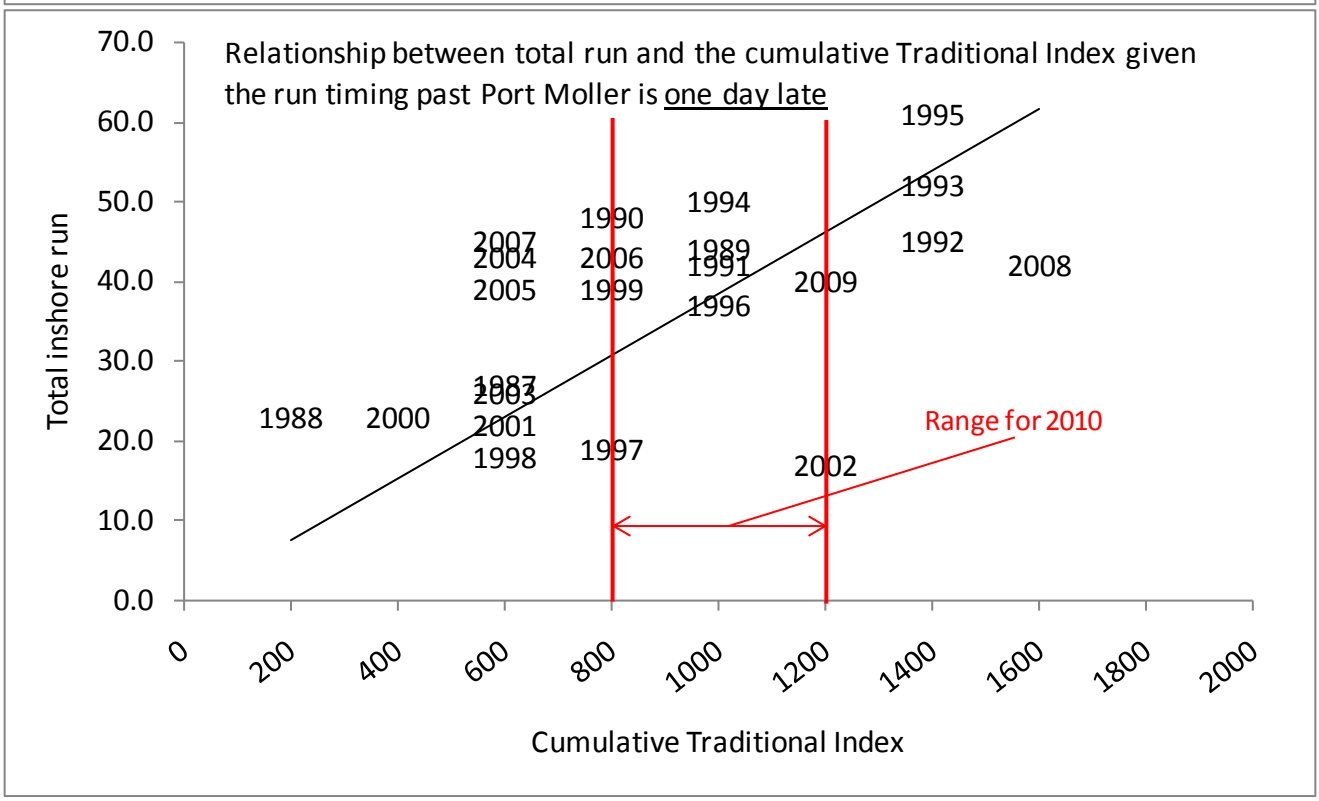
As is well known, the Port Moller test indices, in whatever form, do not predict the abundance well. Errors in forecasts from PM recur all too often. The imprecision is due to inadequate sampling rate, variation in conditions among years, variation in fish sizes, run timing, and behavior, etc. However, the cumulative indices are affected by fish abundance and past results can provide for some generalizations about the possible size of the 2010 Bay-wide return.

Using the repetitive sets at the same stations by the *Deliverance* (and the *Pandalus*) we can begin to characterize the "measurement error" in the test fishery (the degree of variation in catches at the same station on the same day). Based on these repetitive sets in 2010, we have observed that an index for any given station and day can jump around quite a bit due to measurement error. Presumably some of this is due to the patchy (schooling) behavior of fish along the PM transect (among other things). However, when index values are added across stations and then days (i.e., the cumulative index) some of these errors cancel out and the cumulative index is not as noisy as one might expect. This isn't particularly profound and is why the cumulative indices are more informative than the catch at any one station or on a given date. However, an understanding of the magnitude of this measurement error can be used to examine how likely a range of returns might be.

Below I have plotted the total inshore runs from the past 23 years versus their respective cumulative Traditional Indexes on June 26. This is a preliminary analysis and can be refined by factoring in the selectivity of the Traditional 5 1/8 mesh net. The red vertical lines bracket what we expect the cumulative index to be for 2010 given observed measurement error. The range expressed by the two red vertical lines provides a range within which we think the 2010 cumulative index would be even if we fished all the stations multiple times every day and took the average. One also has to consider the uncertainty in the vertical direction (y-axis), which comes from noise in the total run versus index relationship. The index through June 26, 2010 is 971, and had we fished at different times we could have obtained many different cumulative indices (from the same fish run). However, the measurement error information tells us we'd probably not have obtained a result less than 800 or greater than 1200.

The first thing to notice in this figure is that one cannot make predictions about the size of the total run from the indices on June 26 with any degree of certainty—cumulative indices of 800 have come from runs in the low 20s to the 50s (millions). However, we can generalize from past experience and note that out of the 19 years when we have seen cumulative index values as high as 2010 or higher, 14 of those years (74%) ended up with total runs greater than 37 million. If we assume the run was a day late past Port Moller then it becomes 12 out of 14 years (87%). Thus, at this point we have more reason than not to believe that the run will come in as forecasted or higher.


Relationship between total run and the cumulative Traditional Index given the run timing past Port Moller is average
Total inshore run
Cumulative Traditional Index
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
1995
1993
1994
1990
2007
2004
1989
1992
1991
2008
2005
1999
2009
1996
1988
2000
2001
1997
1998
2002


Relationship between total run and the cumulative Traditional Index given the run timing past Port Moller is one day late
Total inshore run
Cumulative Traditional Index
Range for 2010
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
200
400
600
800
1000
1200
1400
1600
1800
2000
1995
1993
1994
1990
1992
2007
2004
2006
1989
1991
2009
2008
2005
1999
1996
1988
2000
2001
1997
1998
2002

# Port Moller Test Fishery—Update #20 for June 27, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12.0 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4.0 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | | 79.2 | | | | | | | 106 | | Overcast; Seas 10 ft; W 25-30 kts |
| Totals | 172.4 | 447.4 | 698.0 | 555.0 | 158.2 | | | | | | |
| Percent[c] | 9.2 | 23.9 | 37.3 | 29.6 | 8.4 | | | | | | |

| | Sockeye Average Length by Station | | | | | | Weighted average |
|---|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | 12 | |
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | | 545 |
| 27-Jun | | | | | | | |
| Weighted average | 542 | 544 | 539 | 535 | 535 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

**Today's Fishing**

The weather and sea conditions are poor today. Winds are 25-30 knots and from the west. Seas are 3 meters (~10 ft) and of a nature that make fishing difficult and dangerous. The F/V *Deliverance* was able to get 4 sets in at Station 4 early this morning, 2 with the Traditional Net and 2 with the Replacement (multi-panel) Net. The 2 sets of the Traditional Net had CPUE (per 200 fathoms) values of 72.2 and 86.1, with an average of 79.2. For perspective, using yesterday's distribution across stations and the CPUE today at Station 4, one can get a rough estimate for today's daily index of about 106. This is a crude guess though as the assumptions upon which it is based are tenuous. The two vessels are now steaming for Port Moller for some cover and will attempt to fish tomorrow. The forecast is for conditions to be much better tomorrow and then for a string of days with reasonably good conditions.

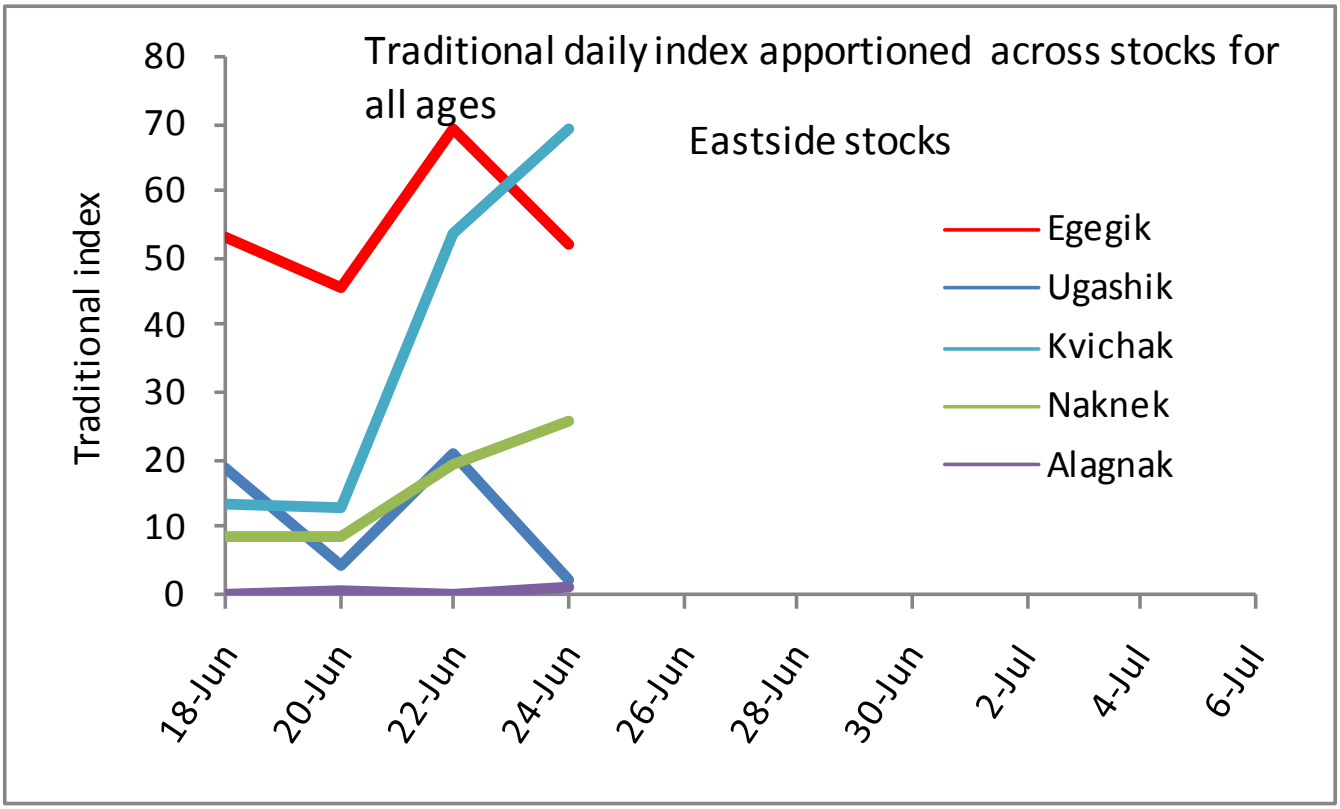
These events have an implication for the next genetics results. The R/V *Pandalus* has samples from the 5 stations sampled on June 26 onboard (stations 2-10, representing an index of 76), which are the only unanalyzed tissue samples. We'll try to get those samples to the dock tonight and underway to the Anchorage Gene Lab. The next set of samples will be from the next two days of fishing, hopefully the 28-29 June.

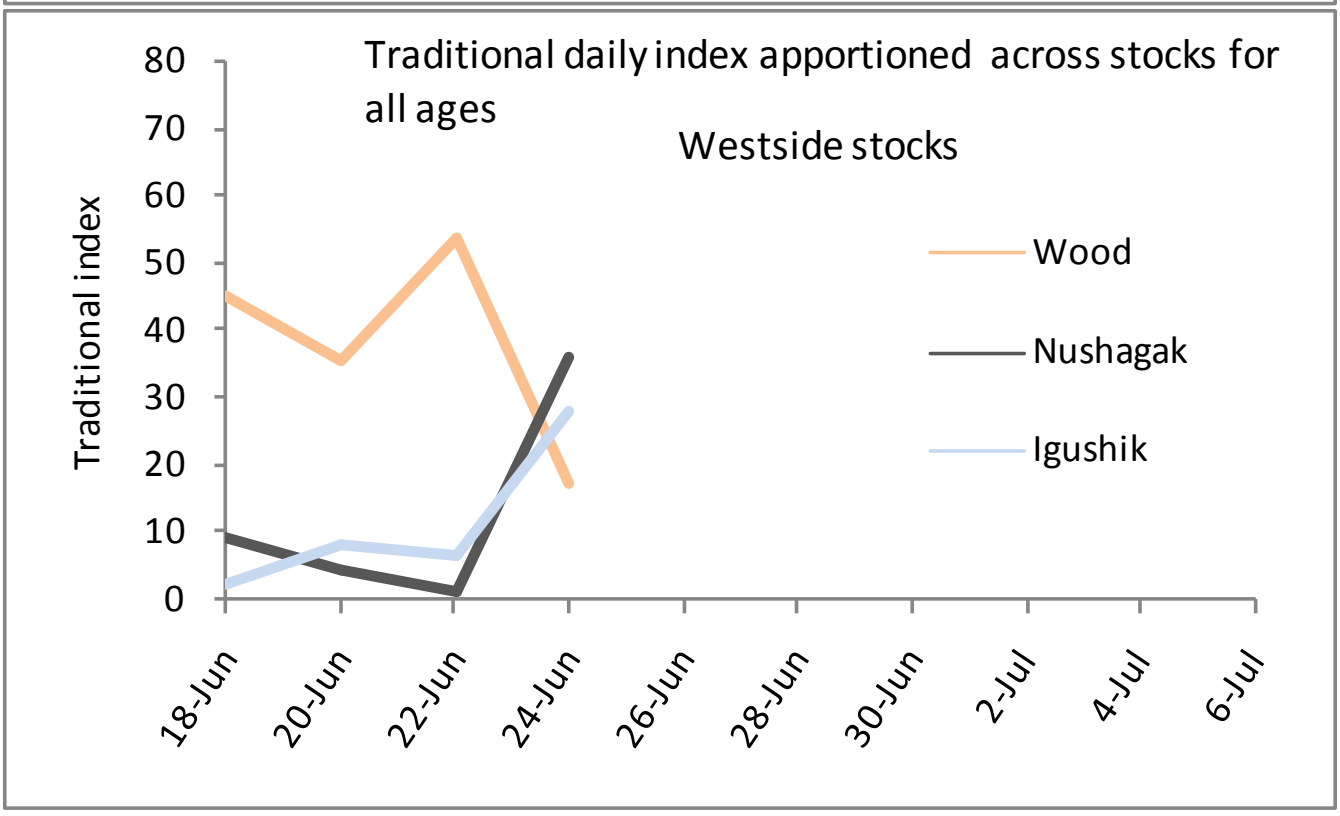
**Genetics Results**

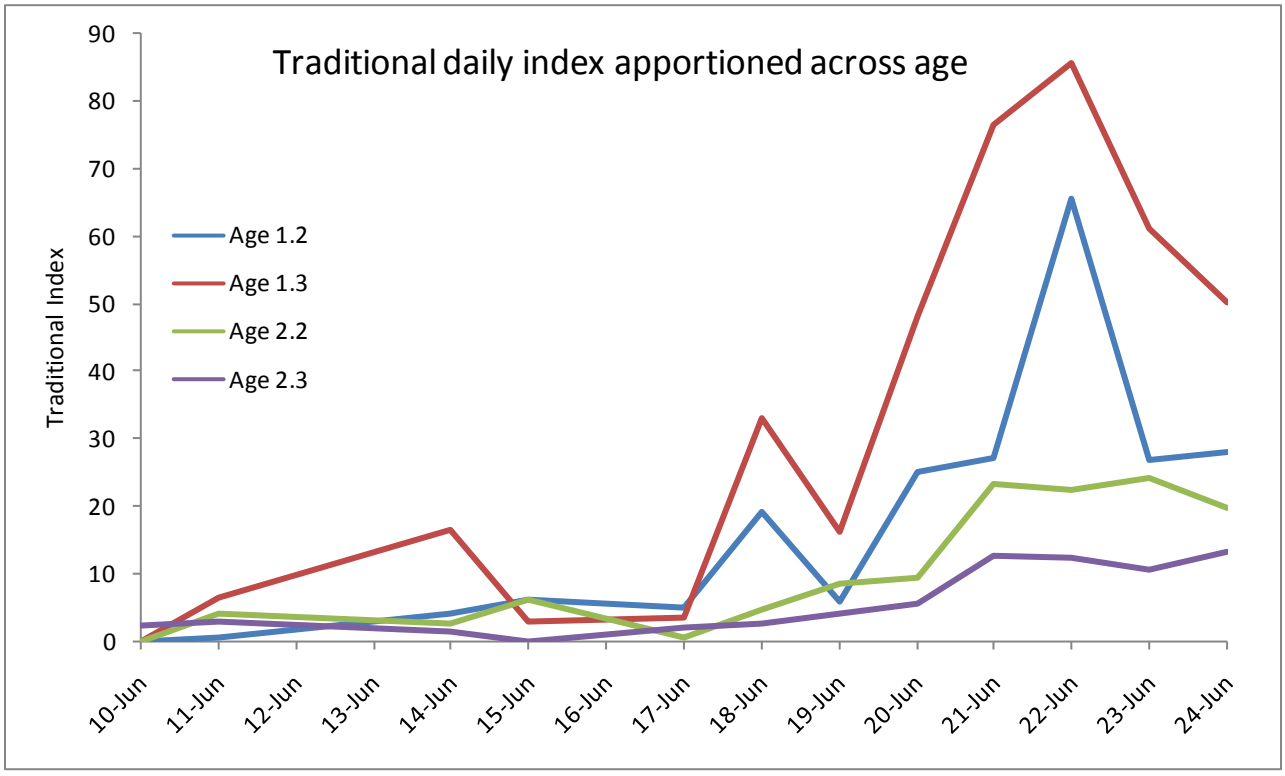
These are a somewhat perplexing set of results. Of particular note is the persistence of a relatively strong Kvichak signal—is the Kvichak large or is the overall run small? Another noteworthy result is the relatively large contribution from the Nushagak and Igushik rivers, which are typically modest-sized stocks. If these are not abundant in 2010, then is it a sign that the overall run might be small? There is also a modest Wood River contribution in this sample (~7.5%, 0-21.5% range). Is this because it was dwarfed by unexpectedly abundant stocks or is it weak? Of these noteworthy results, the latter two are more easily attributed to a single-sample anomaly than the first. The large Kvichak signal has happened twice now. Recall that the genetic results from June 21-22 showed a ~24% contribution from Kvichak. One explanation could be that an early-run component of the Kvichak is stronger than typical and we are detecting its strength. The spike in Kvichak coincides with a bump in 1.3 fish at Port Moller and the drop in the Wood with a drop in 1.2 fish (See stock and age composition figures below). We speculate that these 1.3 fish could be some Kvichak fish that are particularly vulnerable to the PM net or are simply abundant relative to other stocks.

The Gene Lab personnel are aware of the uniqueness and the potential implications of these results and have put additional effort into checking and double checking an already very robust lab and analysis routine. Sampling errors at PM or real signal at PM are far more likely than lab or analysis errors from genetics.

Of greatest interest is quantifying the probability that the Bay-wide return is small given these results. Often when results are too odd to believe, then it's good to be cautious about believing them. This may be the case here, at least for now. Obviously, we could wait until all the fish are accounted for inshore, but that is of little value to readers. However, hazarding a guess at this time has its drawbacks (and costs) as well. The above narrative "is what it is" and hopefully portrays a preliminary level of concern and uncertainty as to the meaning of these latest results. That, in and of itself, should be of some value.


Traditional daily index apportioned across stocks for all ages
Eastside stocks
Traditional index
80
70
60
50
40
30
20
10
0
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Egegik
Ugashik
Kvichak
Naknek
Alagnak


Traditional daily index apportioned across stocks for all ages
Westside stocks
Traditional index
80
70
60
50
40
30
20
10
0
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Wood
Nushagak
Igushik


Traditional daily index apportioned across age
Traditional Index
90
80
70
60
50
40
30
20
10
0
Age 1.2
Age 1.3
Age 2.2
Age 2.3
10-Jun
11-Jun
12-Jun
13-Jun
14-Jun
15-Jun
16-Jun
17-Jun
18-Jun
19-Jun
20-Jun
21-Jun
22-Jun
23-Jun
24-Jun

# Port Moller Test Fishery—Update #21 for June 28, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | 20.5 | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12.0 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4.0 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6.0 | 79.0 | 61.2 | 20.3 | 5.4 | | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0.0 | 60.0 | 83.2 | 0.0 | 1.1 | | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| Totals | 178.4 | 586.4 | 842.3 | 575.3 | 159.3 | | | | | | |
| Percent[c] | 8.2 | 26.9 | 38.6 | 26.4 | 7.3 | | | | | | |

| | Sockeye Average Length by Station | | | | | | Weighted average |
|---|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | 12 | |
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | | 545 |
| 27-Jun | | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | | 542 |
| Weighted average | 542 | 544 | 538 | 535 | 535 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

**Today's Fishing**

Test fishing produced some very patchy results today. Catches at Stations 4 and 6 were similar to recent days. Stations 2 and 8 produced water hauls. We had the *Pandalus* crew fish a second set at Station 8 about an hour after the first set and it too was zero fish. Station 10 caught 1 fish. These results seem a little spotty.

Water temperatures continue to be very low and are now at the outer range of the 1999-2009 data (thick red line in water temperature graph below). With water temperature possibly affecting timing of the return and the vulnerability of fish to the PM net, this adds an additional level of uncertainty to the interpretation of the 2010 PM results.

Average fish size from the traditional net from stations 4 and 6 was almost identical to their respective season averages.

Note that the two 4.5 inch shackles in the potential "replacement net" have caught an almost identical total number of fish (over the season) as the two 5 1/8" shackles in that net, but the fish caught in the 4.5 inch mesh have a smaller average size.

**Rationale for various forecasts—C+E, patterns in daily PM indexes, stock composition estimates, cold-water year**

The figure below of total inshore run versus the cumulative Traditional Index on June 28 reveals there have been 10 years with indexes in the range of what we think this year's index is as of today (i.e., providing a range to account for expected measurement error). Of these years, 6 out of 10 ended up with total runs of 37 million or higher and 4 with runs at or below 27 million. This finding depicts the uncertainty one encounters from using just one piece of information. For instance, the pattern of entry may contain some insight—large runs (i.e., around 2010 preseason forecast) do not typically show peaks around June 22 and lows off the peak through June 28.

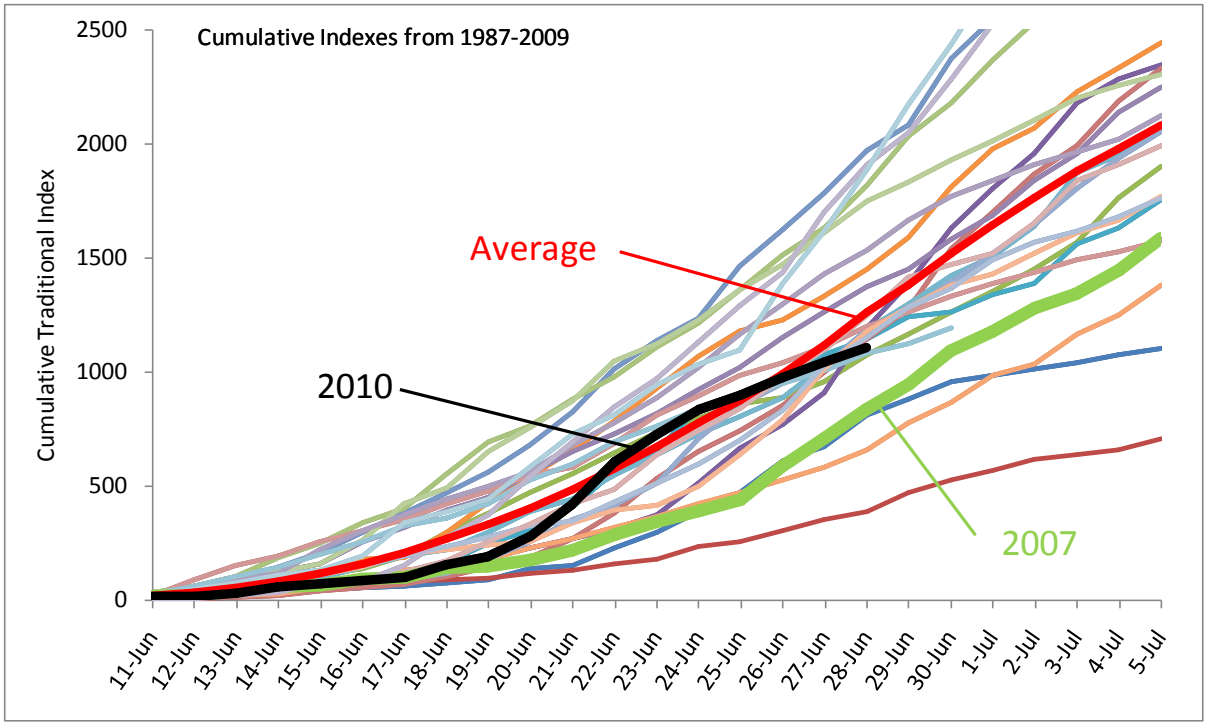
This recent lull in PM results compared to the June 21-24 peak are somewhat in conflict with what the inshore catch (C) and escapement (E) to date suggests. Although it is still early in the inshore run (and therefore it is not a really precise predictor), the year-to-date C+E data is more consistent with a run around the preseason forecast. If the run is late, then this inshore performance would support a similar conclusion with greater certainty. It is hard to imagine an early run this year and so the inshore C+E carries a fair amount of influence in making inferences.

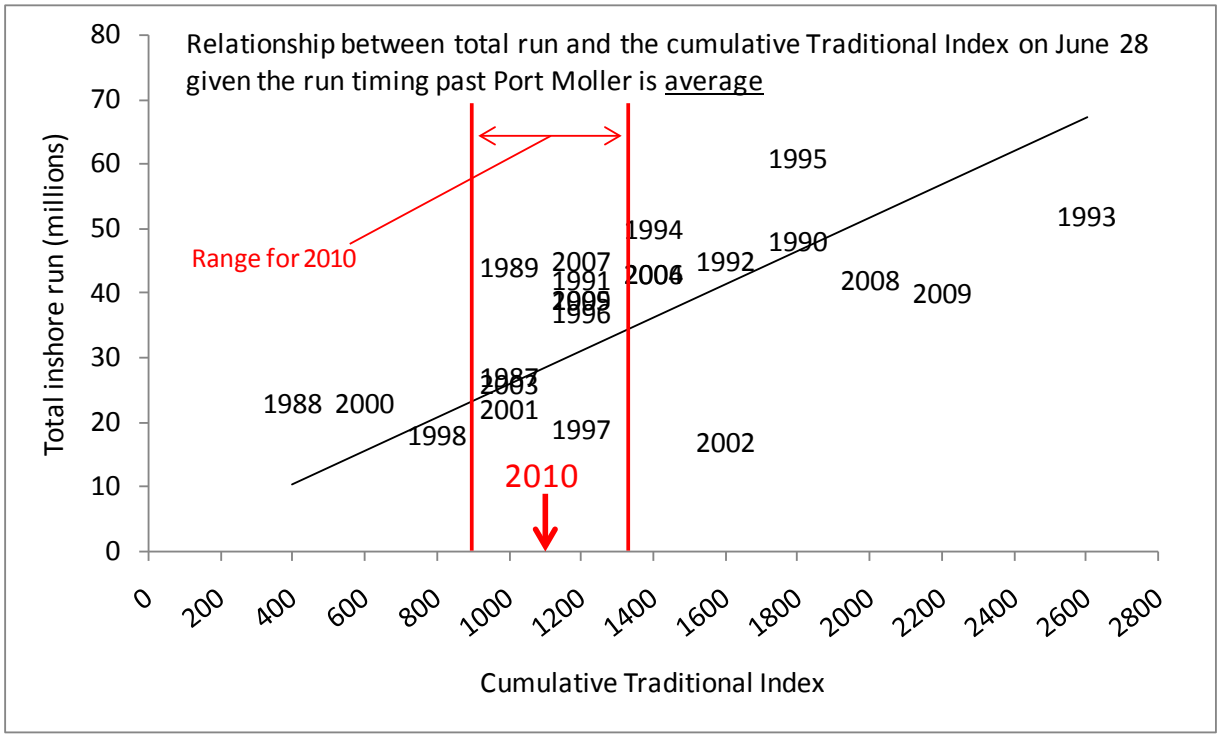
The sources of information that suggest a smaller run are the weak daily indexes in recent days, which are down from a peak on June 22. Today is traditionally the peak of the run at PM and today's fishing produced some zero catches and a low index value overall; not unprecedented but noteworthy. However, a protracted lull in PM after the early peak catches our attention (i.e., the leveling off of the cumulative index line in the figure below). The earlier genetics results showed some unexpected strength of stocks thought to be not particularly abundant relative to others at that time of year. Is this extreme measurement error? Maybe. Are these stocks (notably the Kvichak) stronger than expected? Are the other stocks (notably the Wood) weaker than expected? The overall weak index would suggest the answers to these latter questions are no and yes.

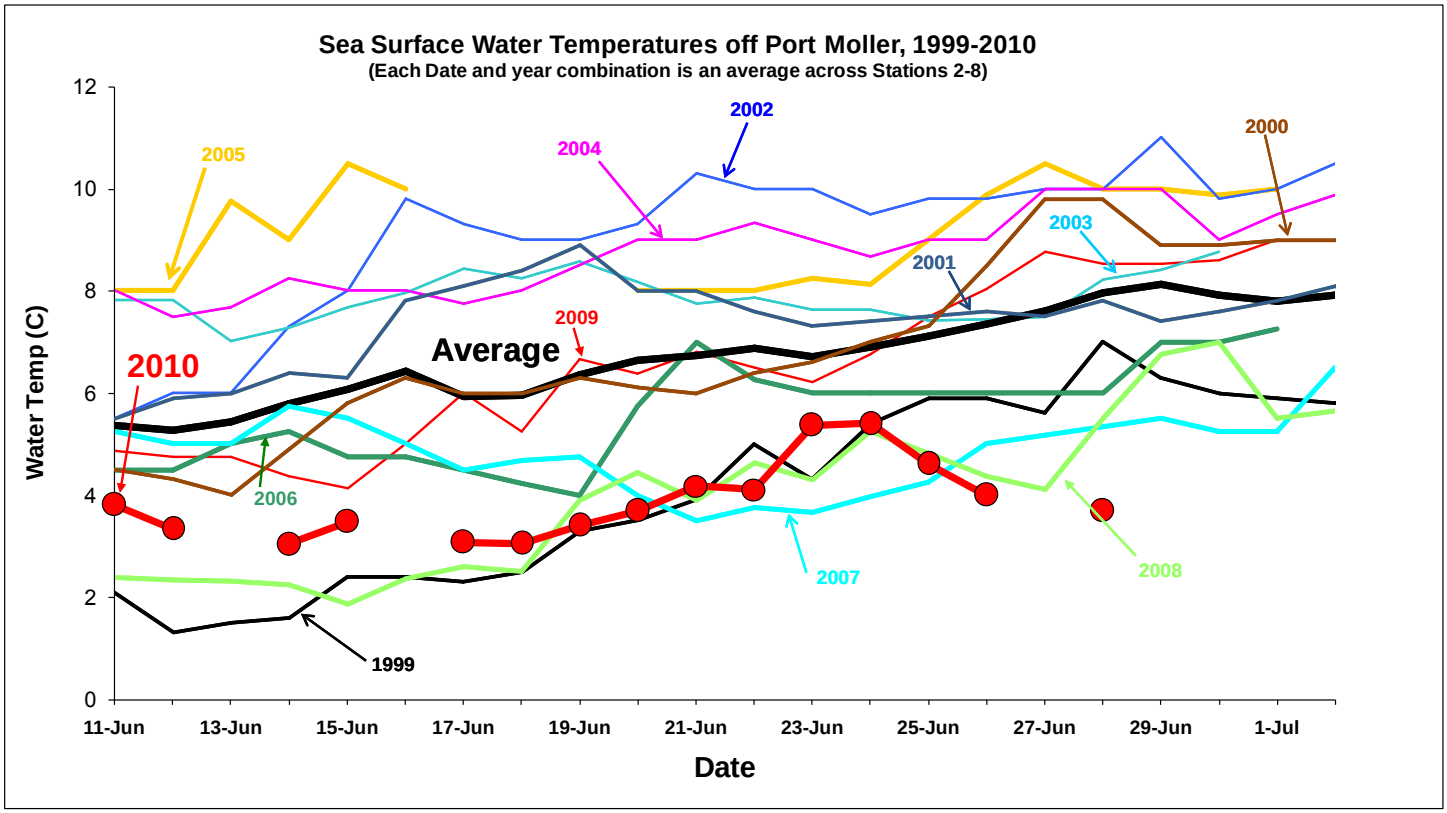
With respect to vulnerability *or "catchability" of fish to PM gear*—we are getting a fairly good handle on the measurement error with the second boat and on the risks of low catchability at PM caused by small and small-at-age fish (seems like a low risk). However, there may be an effect of cold water in 2010 reducing the vulnerability of fish to the PM net (e.g., like in the cold-water years in 1999 and 2007). This would mean each index point represents more fish than the long-term average. The last two days of C+E are suggestive of a low catchability given the year-to-date cumulative index at PM up to about June 18-19 (e.g., ~20-25,000 fish per index point). If so, we could be underestimating the run with the average of cumulative indices versus total run. If we do have a low catchability in 2010 compared to average or typical, then the very large catches at PM from June 21-24 should represent a fair number of fish that we should see in each of the next few days.

The preseason forecast is still a reliable predictor of the run at this date and we've seen a strong early season inshore catch and escapement. Very cold water temperatures in the Bering Sea and late run timing for other salmon stocks around the Bay support the idea that Bristol Bay is late or maybe on time, but unlikely to be early.

We are working with multiple sources of information that are providing conflicting results and it is difficult to quantify the reliability of some of these sources where we have few previous observations. A definitive interpretation is not possible and unwise. When all is said and done and it is July 6 or 7th, it will be clear which sources provided the more accurate prediction but tonight it is not so clear.




Sea Surface Water Temperatures off Port Moller, 1999-2010
(Each Date and year combination is an average across Stations 2-8)
Water Temp (C)
Date
12
10
8
6
4
2
0
11-Jun
13-Jun
15-Jun
17-Jun
19-Jun
21-Jun
23-Jun
25-Jun
27-Jun
29-Jun
1-Jul
2010
Average
2005
2004
2002
2000
2003
2001
2009
2006
2007
2008
1999

# Port Moller Test Fishery—Update #22 for June 29, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | 20.5 | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12.0 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4.0 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6.0 | 79.0 | 61.2 | 20.3 | 5.4 | | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0.0 | 60.0 | 83.2 | 0.0 | 1.1 | | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | | 552 | 4.1 | 55 | 1159 | |
| Totals | 181.5 | 620.3 | 891.2 | 601.7 | 194.0 | | | | | | |
| Percent[c] | 7.9 | 27.0 | 38.8 | 26.2 | 8.5 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | 12 | Weighted average |
|---|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | | 545 |
| 27-Jun | | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | | 552 |
| Weighted average | 543 | 545 | 539 | 535 | 536 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

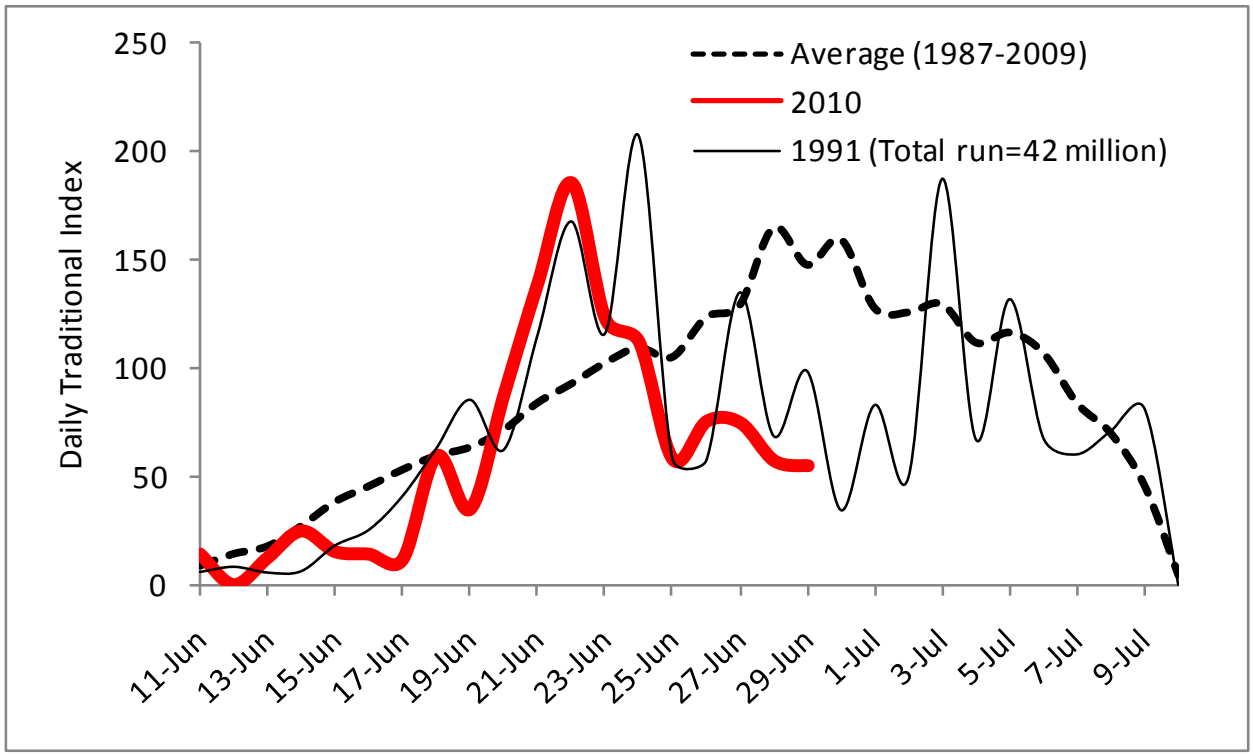
It is sometimes difficult to see the differences in the cumulative run timing curves we presented yesterday. Below is a figure of the daily Traditional Index for 2010. Plotted with this year's daily index versus date is the average for 1987-2009 and the daily index from 1991, which most closely resembles this year's entry pattern to date. In 1991 there was a protracted lull around this time as well, then a recovery, all of which subsequently produced a run of 42 million. Today's catches produced a traditional index of 55 (similar to yesterday), with the bulk coming from stations 4 and 6. Fish size increased indicating an increase in 3-ocean fish.

The Pandalus will hopefully drop off its June 28-29 tissue and scale samples (for stock and age composition) at Port Moller tonight. This will be the first two-day sample of genetics since the June 23-24 results. The single-day sample from June 26 is in the lab right now.

We had the second boat, *Deliverance*, fish multiple sets at stations 4, 6, and 8 today, and this produced some excellent data (we picked a great year to have a second boat operate).

We have received some good feedback and questions in recent days. Of particular importance here tonight is a question about this year's sampling protocols—there were some concerns that we have made changes to the fishing protocol for the traditional test fishing program. We have not! We do have a new vessel (*R/V Pandalus*) and skipper (Mark Hottman) doing the traditional program but he is following identical protocols and using the same net configuration used since 1987. Skipper Hottman is involved in many research programs and has a keen sense of the importance of adhering to sampling protocols. The field manager (Guy Wade) who went out on initial set up cruise with the *Pandalus* has worked himself on the PM boat from 1999 through 2002 and has set up the last few years' PM charters. Reid Johnson is the lead BBSRI technician on the *Pandalus* and has spent the last 3 seasons on the PM test boat.

Todd Hoppe is skippering the *F/V Deliverance*, the second research vessel at PM in 2010 and has been replicating effort of the *Pandalus* and the traditional program. Hoppe operated the PM test boat 6 previous seasons since 1999. The *Deliverance* is fishing two nets, one of which is the traditional net (identical to what the *Pandalus* is fishing) and is fishing the same protocol.



# Port Moller Test Fishery—Update #23 for June 30, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | 20.5 | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12.0 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4.0 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6.0 | 79.0 | 61.2 | 20.3 | 5.4 | | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0.0 | 60.0 | 83.2 | 0.0 | 1.1 | | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 0.0 | | 539 | 4.0 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| Totals | 185.1 | 689.8 | 935.9 | 618.5 | 194.0 | | | | | | |
| Percent[c] | 7.6 | 28.4 | 38.5 | 25.5 | 8.0 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | 12 | Weighted average |
|---|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | | 545 |
| 27-Jun | | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | | 539 |
| Weighted average | 543 | 545 | 539 | 536 | 536 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

**Today's Fishing**

The daily Traditional Index was 61 today bringing the cumulative index to 1219, which is below average for this day of the run. Water temperatures remain at the lowest for this date since at least 1985 (see top figure which shows 1999-present).

**Genetics Results**

The recent genetic results from June 26 show Egegik maintaining its relative signal at PM, the Kvichak dropping from its unexpectedly high portion earlier, and the Wood back closer to what we would expect (see bottom figure). Egegik maintains its track record as one of the more consistent stocks both across years and within seasons.

**Experimental fishing with the *Deliverance* (the research vessel) the last two days**

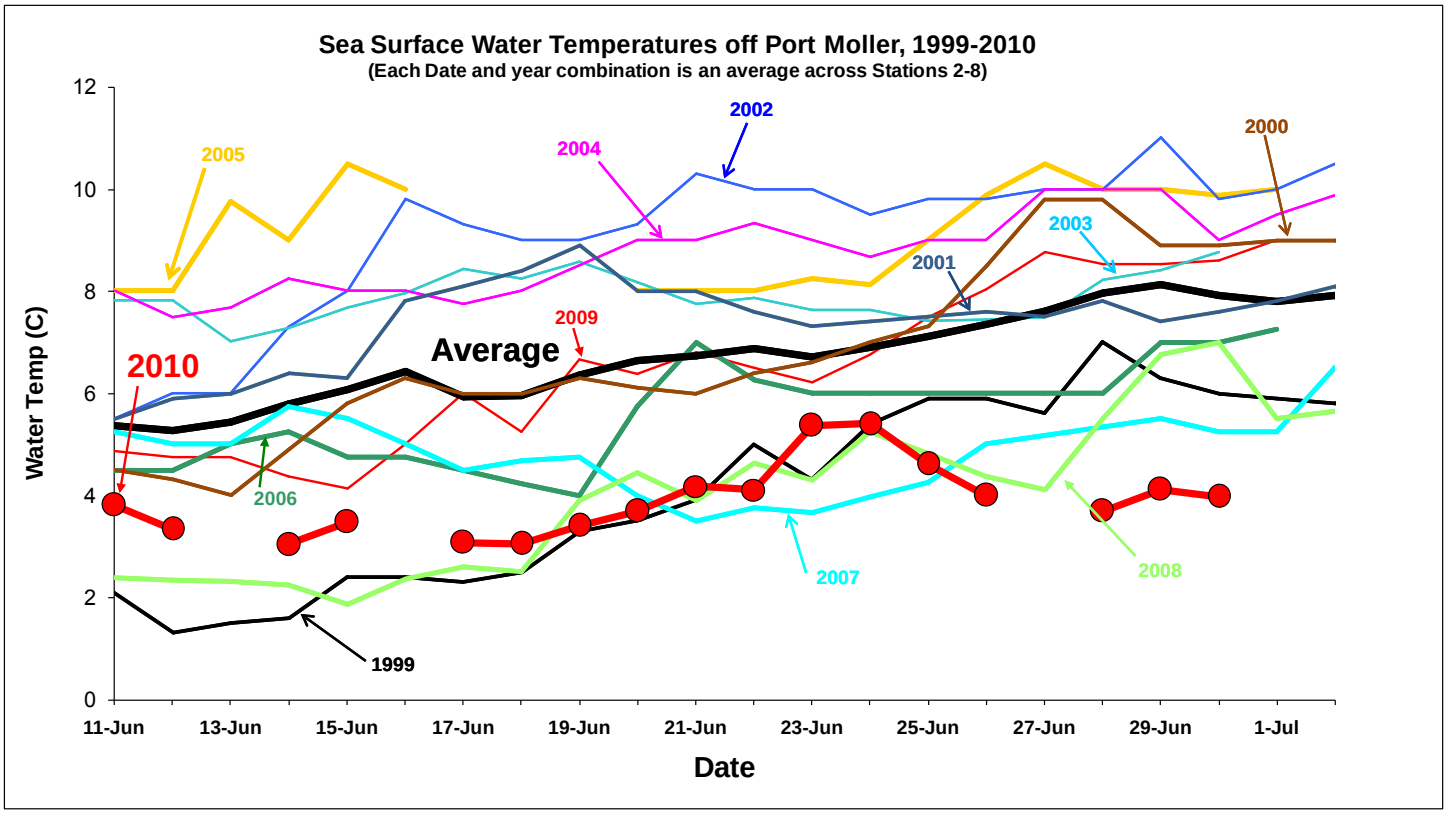
One suspicion among some this year has been that the catchability at PM is low relative to the historical average. This would result in a large number of fish represented by each index point. In other words, low PM indexes could occur even from a relatively large run. Mechanisms at play could be due changes to the skipper and boat, cold water temperatures, fish behavior around the net, visibility of the water, etc. and these are resulting in very low vulnerability of fish to the gear.

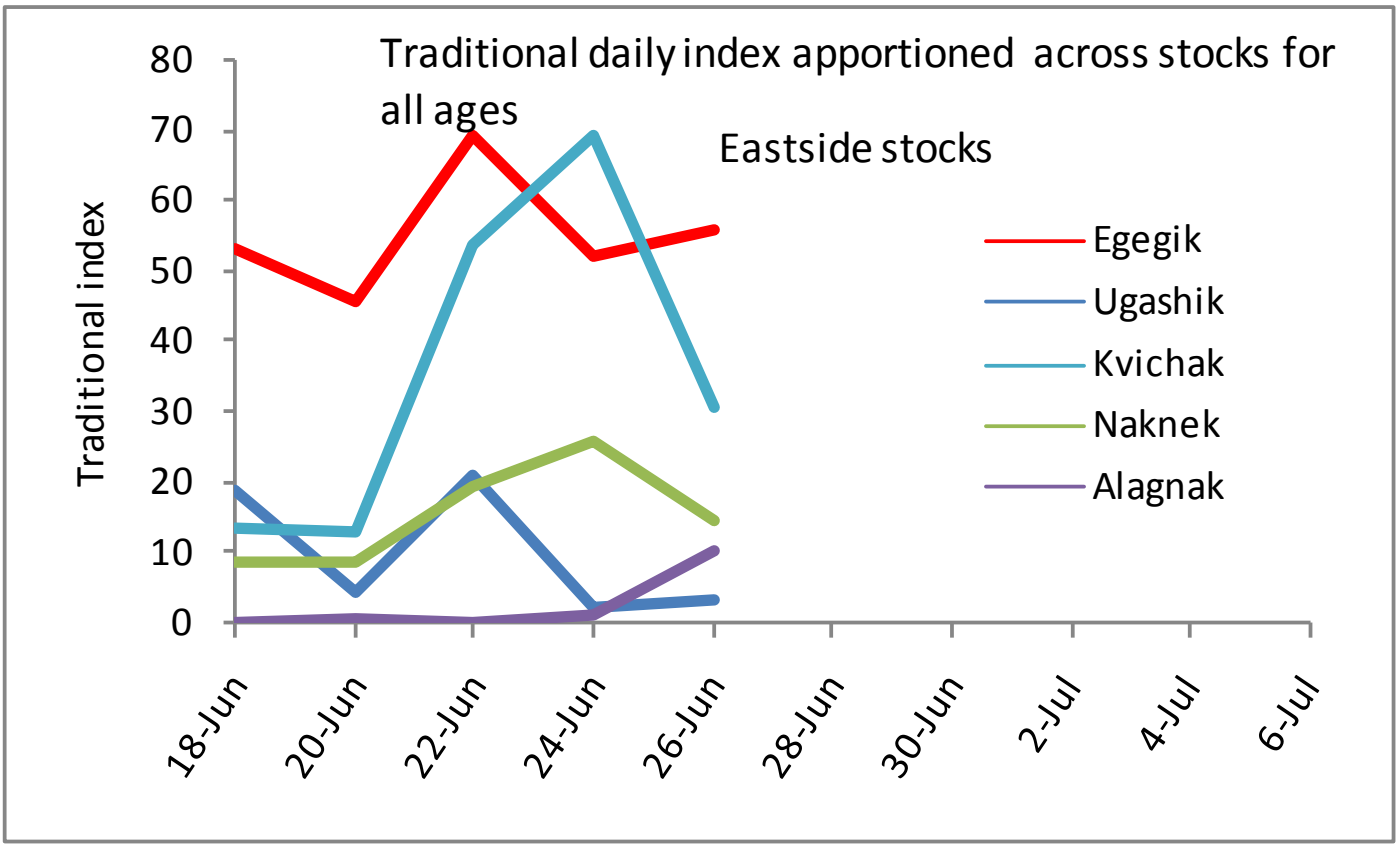
We can't test every possibilty this year, but beginning last night and continuing today, we had the F/V *Deliverance* continue with replicate sets and something else. The boat and crew did two things during this period: (1) fished Stations 2, 4, and 6 to replicate sets in an effort to continue our efforts to quantify measurement error and (2) make additional paired sets with an altered fishing protocol to get a first approximation of the potential for how differences in boat handling might affect catch rates. We imagined that maybe fish are swimming slow (due to low water temperature) and/or are better able to detect the net from increased visibility and have had more time to react to the net than in other years. These possibilities could lead to milling in front of the net during the set and/or fish leading along the net and exiting off the end—either would reduce catch rates.

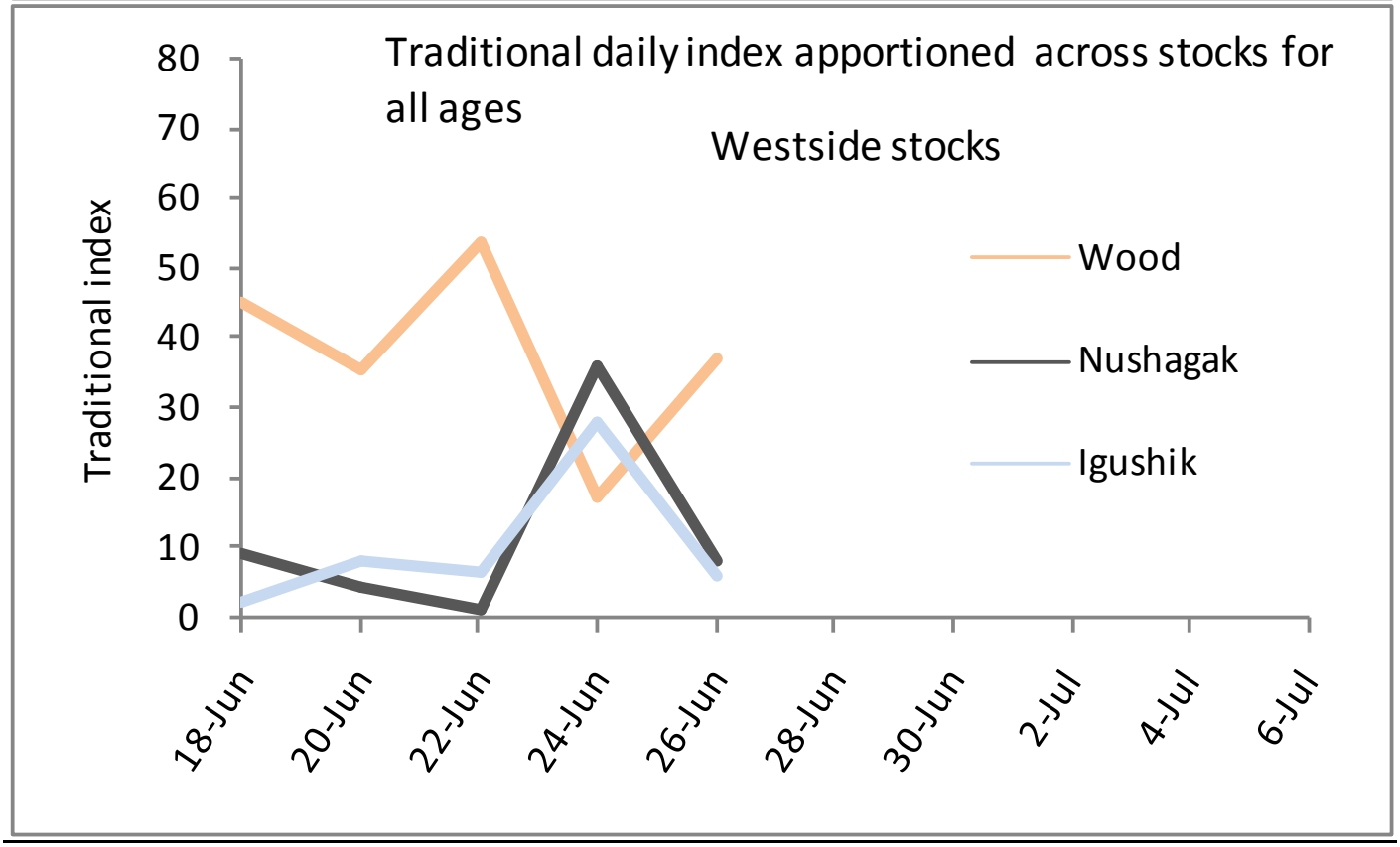
Sets made at these stations today and last night were done in one of two ways. Half the sets were done using the standardized Traditional sampling protocol. The standard protocol (standardized at least since 1987) involves setting the net straight along a line parallel to the sampling transect, then steaming away 500 meters or more. After the requisite time (about 50 min) the net is retrieved and picked prior to the net on the drum. The total fishing time is usually between 55 and 65 minutes. Results from these recent replicate sets continue to be consistent with those from the traditional test boat (R/V *Pandalus)*, providing some confidence that recent modest daily indexes we have been seeing are not due to measurement (sampling) error.

Adjacent in time to each of these "traditional sets" we had the skipper attempt to maximize catch by "pulling out all stops" with respect to the standard protocol. This involved the skipper (Todd Hoppe—an experienced fisherman) purposefully putting a hook in the net and then periodically running along it in an effort to confuse and drive more fish into the net. What we found was remarkably consistent catches between the two setting methods (less than 5% variability). The changes to the protocal that we tested, albeit with limited sample size, were not subltle and still made no impact. Thus at first glance, the lower catches we're seeing this year seem less likely due to possible (but subltle if they occurred) changes in protocol.

Consistent catches (less than 20% variability in recent days) among the ongoing replication of the standard traditional protocol and net suggests that low catches are not due to sampling error.


Sea Surface Water Temperatures off Port Moller, 1999-2010
(Each Date and year combination is an average across Stations 2-8)
Water Temp (C)
Date
12
10
8
6
4
2
0
11-Jun
13-Jun
15-Jun
17-Jun
19-Jun
21-Jun
23-Jun
25-Jun
27-Jun
29-Jun
1-Jul
2010
Average
2005
2002
2004
2000
2003
2001
2009
2006
2007
2008
1999


Traditional daily index apportioned across stocks for all ages
Eastside stocks
Traditional index
80
70
60
50
40
30
20
10
0
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Egegik
Ugashik
Kvichak
Naknek
Alagnak


Traditional daily index apportioned across stocks for all ages
Westside stocks
Traditional index
80
70
60
50
40
30
20
10
0
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Wood
Nushagak
Igushik

# Port Moller Test Fishery—Update #24 for July 1, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | 20.5 | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12.0 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4.0 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6.0 | 79.0 | 61.2 | 20.3 | 5.4 | | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0.0 | 60.0 | 83.2 | 0.0 | 1.1 | | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | | 539 | 4.0 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | | 551 | 4.9 | 181 | 1400 | |
| Totals | 192.4 | 828.2 | 1079.1 | 700.4 | 198.4 | | | | | | |
| Percentc | 6.9 | 29.6 | 38.5 | 25.0 | 7.1 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | 12 | Weighted average |
|---|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | | 545 |
| 27-Jun | | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | | 551 |
| Weighted average | 543 | 546 | 541 | 538 | 536 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

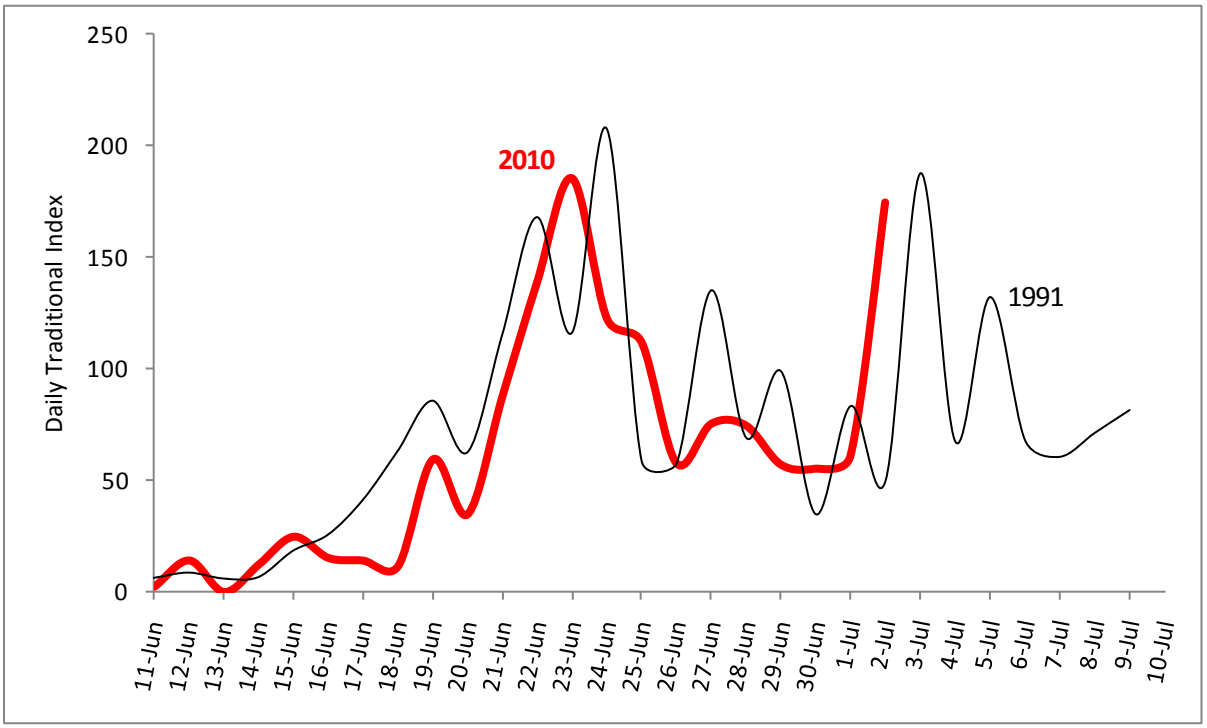
*Note that index values in red are the average of adjacent values before and after for each station.*

**Today's Fishing**

Today's daily Traditional Index of 181 brings the cumulative Index to 1400. This looks like a sign of good things to come for the fishery and should provide a nice contrast of daily indexes to help estimate the catchability of the Port Moller test fishery in 2010 using the pattern of inshore catch and escapement that followed. In terms of the entry pattern inshore, it will depend on how well the test fishery has characterized passage Port Moller of course, but also on water temperature and weather-mediated fish behavior. The travel time may be spread across 6-10 days or more compressed. Ideally, it will be protracted by the cold water and some cooperative weather that does not push them faster.

The *R/V Pandalus* made a second set at Station 6 today and came up with a very similar catch in both sets. The *F/V Deliverance* fished at Station 4 all of today and came up with catches comparable to what the R/V Pandalus got at Station 4.

We have plotted the 2010 daily indexes below along with the results from 1991 (total run=42 million). The 1991 pattern was similar to what we've seen this year in that there was a very large and early peak followed by a protracted lull, then a second peak. The causes of the bimodal entry pattern past PM in some years is something we hope (and expect) to understand with continued research. We appreciate the help support that the ADF&G, the processors, and the fishermen (via the BB-RSDA) have provided to the Port Moller test fishery. The Alaska Sustainable Salmon Fund has support the gillnet selectivity project, which support the second boat this year.



Raw catch of sockeye by station at Port Moller in 2010.

| | Sockeye Catch by Station | | | | | |
|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | 3 |
| 13-Jun | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | 33 |
| 16-Jun | 13 | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | 234 |
| 24-Jun | 3 | 18 | 83 | 100 | 36 | 240 |
| 25-Jun | 3 | 5 | 59 | 36 | | 103 |
| 26-Jun | 13 | 59 | 38 | 40 | 9 | 159 |
| 27-Jun | | 83 | | | | 83 |
| 28-Jun | 0 | 56 | 79 | 0 | 1 | 136 |
| 29-Jun | 3 | 31 | 48 | 22 | 9 | 113 |
| 30-Jun | 4 | 73 | 44 | 17 | | 138 |
| 1-Jul | 7 | 143 | 179 | 86 | 0 | 415 |

# Port Moller Test Fishery—Update #25 for July 2, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3.0 | 0.0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1.0 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0.0 | | 532 | 3.0 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0.0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2.0 | 0.0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0.0 | 0.0 | 0.0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60.0 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12.0 | 0.0 | 0.0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0.0 | 40.8 | 179.2 | 0.0 | 0.0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32.0 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50.0 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60.0 | 78.4 | 28.0 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60.0 | 38.6 | 20.5 | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12.0 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4.0 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6.0 | 79.0 | 61.2 | 20.3 | 5.4 | | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0.0 | 60.0 | 83.2 | 0.0 | 1.1 | | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | | 539 | 4.0 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | | 551 | 4.9 | 181 | 1400 | |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | | | 544 | 5.2 | 112 | 1512 | |
| Totals | 224.7 | 970.3 | 1162.3 | 711.8 | 198.4 | | | | | | |
| Percent[c] | 7.3 | 31.6 | 37.9 | 23.2 | 6.5 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | 12 | Weighted average |
|---|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | | 538 |
| 12-Jun | | | | | 546 | | 546 |
| 13-Jun | | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | | 537 |
| 16-Jun | 545 | | | | | | 545 |
| 17-Jun | 528 | 548 | | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | | 541 |
| 19-Jun | 560 | 543 | 531 | | | | 546 |
| 20-Jun | | 557 | 538 | | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | | 545 |
| 27-Jun | | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | | 551 |
| 2-Jul | 542 | 550 | 533 | | | | 544 |
| Weighted average | 542 | 546 | 540 | 538 | 536 | | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

## Today's Fishing

Today's daily Traditional Index of 112 brings the cumulative index to 1512. Fishing was somewhat slower than yesterday but still about double the previous 6 days. There was a shift inshore among the station indexes with Station 8 dropping off and Station 2 picking up relative to recent days. The F/V *Deliverance* (our second research boat) made several sets at Station 4 and yielded similar catches to the R/V *Pandalus* at Station 4. The sudden rise in catches at PM over the last two days suggests a second mode to the run and that there are still a good number of fish yet to come.

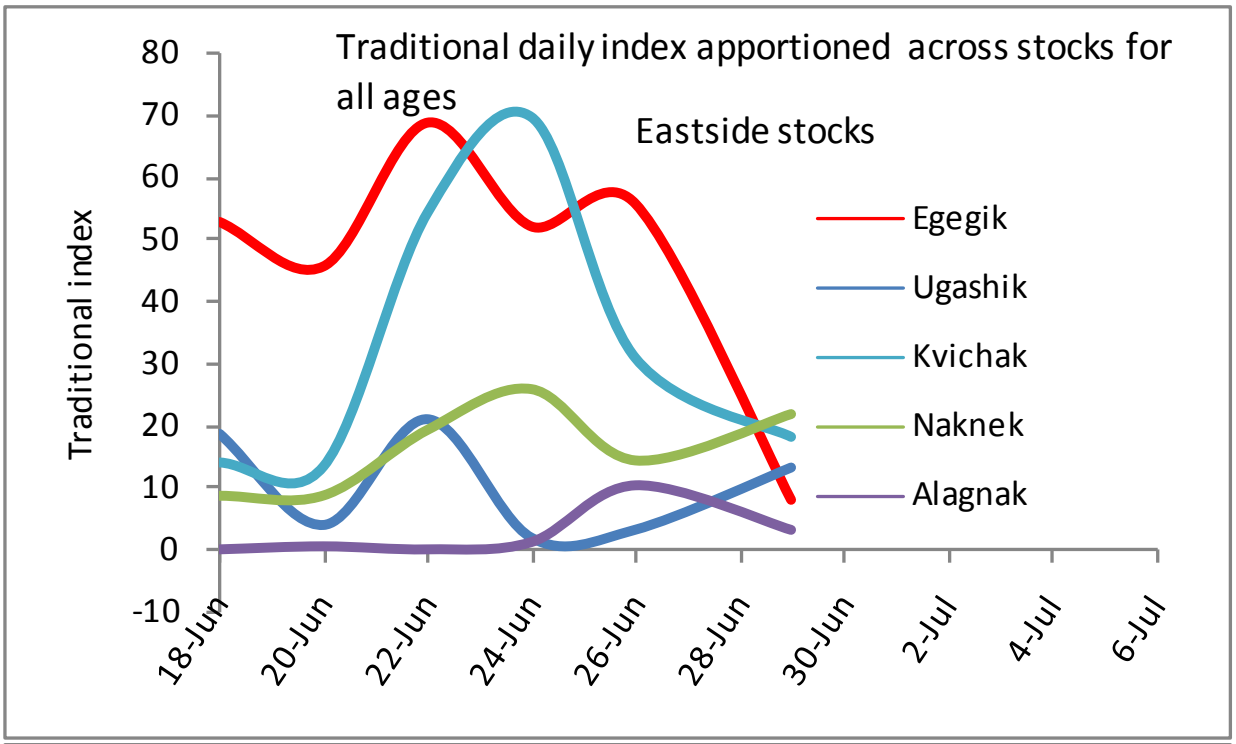
The crew will fish Station 10 today, but we felt it was more important to get the majority of the PM information out as early as possible. Unless the crew yields something out of the ordinary, we will wait until tomorrow's update to fill in Station 10's catch.

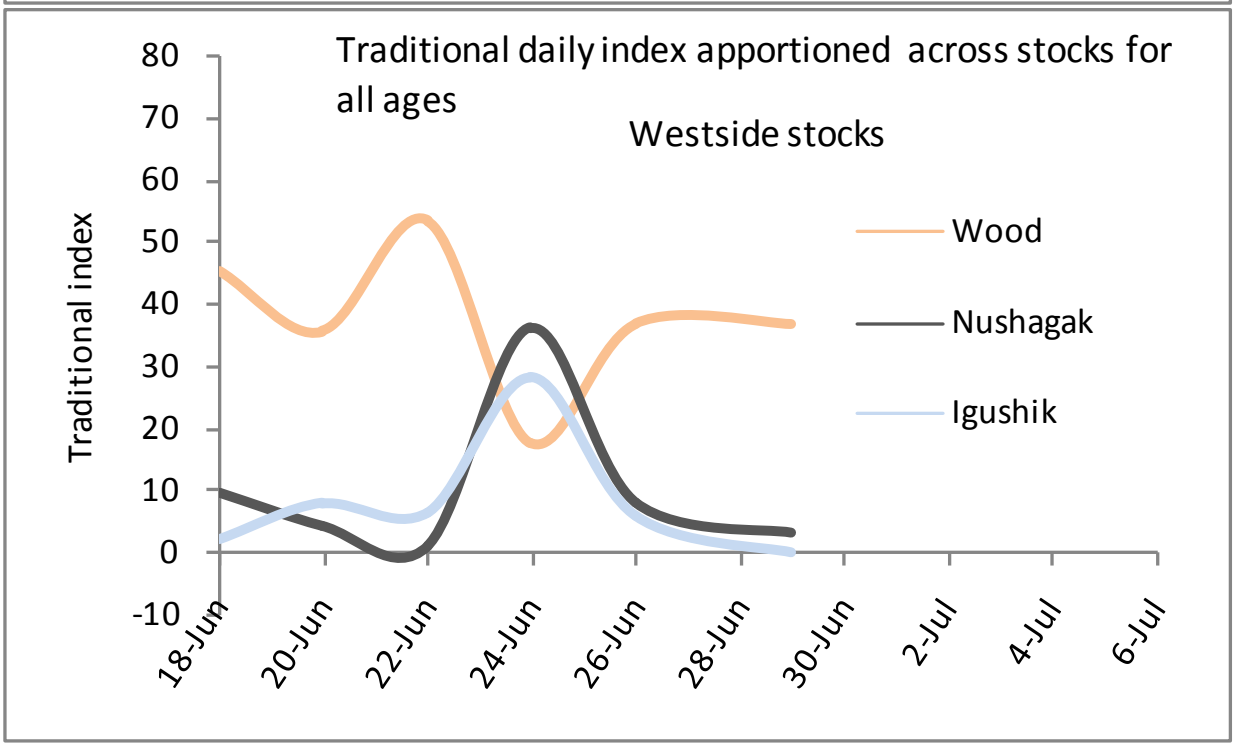
## Genetic Results

The latest genetic results for June 28-29 show the Wood River signal regaining strength (to where we would expect), while Egegik dropped off some at Port Moller. However, in addition to the small sample and challenges in the laboratory, the daily indexes over this sample were relatively small and the last two days (July 1-2) likely represent a substantially greater number of passing fish than the 28-29 sample does. It seems unlikely that Egegik would not have contributed signficantly to this latest peak at Port Moller. The samples from the second peak were dropped off at Port Moller last night and there is obviously a lot of interest in the composition of this second peak. The Wood River composition is what we would expect; the smaller Igushik and Nushagak stocks in the earlier sample was unexpected but the latest results add confidence to the genetic results and actually adds confidence that the run has strength (continued high composition of Igushik and Nushagak would have been worrisome).

**Raw catch of sockeye by station at Port Moller in 2010 (fishing time varies among sets and days so these are not readily or directly comparable among days).**

| | Sockeye Catch by Station | | | | | |
|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | 3 |
| 13-Jun | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | 33 |
| 16-Jun | 13 | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | 234 |
| 24-Jun | 3 | 18 | 83 | 100 | 36 | 240 |
| 25-Jun | 3 | 5 | 59 | 36 | | 103 |
| 26-Jun | 13 | 59 | 38 | 40 | 9 | 159 |
| 27-Jun | | 83 | | | | 83 |
| 28-Jun | 0 | 56 | 79 | 0 | 1 | 136 |
| 29-Jun | 3 | 31 | 48 | 22 | 9 | 113 |
| 30-Jun | 4 | 73 | 44 | 17 | | 138 |
| 1-Jul | 7 | 143 | 179 | 86 | 0 | 415 |
| 2-Jul | 34 | 161 | 79 | 9 | | 283 |


Traditional daily index apportioned across stocks for all ages
Eastside stocks
Traditional index
80
70
60
50
40
30
20
10
0
-10
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Egegik
Ugashik
Kvichak
Naknek
Alagnak


Traditional daily index apportioned across stocks for all ages
Westside stocks
Traditional index
80
70
60
50
40
30
20
10
0
-10
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Wood
Nushagak
Igushik

# Port Moller Test Fishery—Update #26 for July 3, 2010

| | Sockeye CPUE[d] by Station | | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0 | 0 | 0 | 3.1 | 0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3 | 0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0 | | 532 | 3 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2 | 0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0 | 0 | 0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12 | 0 | 0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0 | 40.8 | 179.2 | 0 | 0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60 | 78.4 | 28 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60 | 38.6 | 20.5 | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6 | 79 | 61.2 | 20.3 | 5.4 | | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0 | 60 | 83.2 | 0 | 1.1 | | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | | 539 | 4 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | | 551 | 4.9 | 181 | 1400 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | 2.0 | | 544 | 5.2 | 112 | 1512 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 3-Jul | 72.5 | 106.5 | 71.4 | 92.4 | 12.4 | | 550 | 5.5 | 174 | 1686 | Sunny-overcast; Seas 3 ft; Variable <5 kts |
| Totals | 224.7 | 970.3 | 1162.3 | 711.8 | 198.4 | | | | | | |
| Percent[c] | 7.3 | 31.6 | 37.9 | 23.2 | 6.5 | | | | | | |

| | Sockeye Average Length by Station | | | | | |
|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | Weighted average |
| 10-Jun | | | | 582 | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | 538 |
| 12-Jun | | | | | 546 | 546 |
| 13-Jun | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | 537 |
| 16-Jun | 545 | | | | | 545 |
| 17-Jun | 528 | 548 | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | 541 |
| 19-Jun | 560 | 543 | 531 | | | 546 |
| 20-Jun | | 557 | 538 | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | 545 |
| 27-Jun | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | 551 |
| 2-Jul | 542 | 550 | 533 | | 574 | 544 |
| 3-Jul | 537 | 549 | 552 | 557 | 562 | 550 |
| Weighted average | 541 | 546 | 541 | 540 | 538 | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

**Today's Fishing**

Today's catches produced a Traditional Daily Index of 174 bringing the cumulative Index to 1686. This pattern of catches over the last three days represents a sustained second peak at Port Moller, which likely reflects some strength to the latter half of the run. As this seems to be a little later run, we anticipate fishing with the R/V *Pandalus* through July 9 or 10. The F/V *Deliverance* is currently making its final trip for 2010 and will end fishing on July 5.

Genetic stock composition estimates for June 30 and July 1 should be out tomorrow. Recall that July 1 was the leading edge of this second peak at Port Moller. Given that the genetics are weighted by the relative catches, this sample should give us a good idea of where these fish are bound. The July 2-3 samples will be in Port Moller shortly.

Water temperatures remain among the lowest on record since 1985 (see figure below). How temperature affects travel time, entry pattern, and vulnerability to the test fishery are areas of much needed research. The second vessel this year was a big help in identifying what we think will be fruitful areas of research. Again, special thanks to ADF&G and the Alaska Sustainable Salmon Fund for partnering with BBSRI to fund the second research vessel for 2010. It all started with a proposal written over Christmas, and a New Year's Eve proposal submission a couple of years ago. Special thanks Tim B. for help with the winning proposal.

Raw catch of sockeye by station at Port Moller in 2010 (fishing time varies among stations and days so values are not readily or directly comparable among station-day cells).

| | Sockeye Catch by Station | | | | | |
|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | 3 |
| 13-Jun | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | 33 |
| 16-Jun | 13 | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | 234 |
| 24-Jun | 3 | 18 | 83 | 100 | 36 | 240 |
| 25-Jun | 3 | 5 | 59 | 36 | | 103 |
| 26-Jun | 13 | 59 | 38 | 40 | 9 | 159 |
| 27-Jun | | 83 | | | | 83 |
| 28-Jun | 0 | 56 | 79 | 0 | 1 | 136 |
| 29-Jun | 3 | 31 | 48 | 22 | 9 | 113 |
| 30-Jun | 4 | 73 | 44 | 17 | | 138 |
| 1-Jul | 7 | 143 | 179 | 86 | 0 | 415 |
| 2-Jul | 34 | 161 | 79 | 9 | 2 | 285 |
| 3-Jul | 81 | 126 | 75 | 97 | 12 | 391 |

# Port Moller Test Fishery—Update #27 for July 4, 2010

| Date | Sockeye CPUE[d] by Station 2 | 4 | 6 | 8 | 10 | 12 | Avg. fish length (mm)[a] | Aver. Temp (°C) | Traditional Index[b] Daily | Cum. | Comments/Weather |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-Jun | 0 | 0 | 0 | 3.1 | 0 | | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3 | 0 | | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3.2 | | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1 | 6.3 | 1.6 | | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0 | | 532 | 3 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0 | | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2 | 0 | | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0 | 0 | 0 | | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60 | 4.1 | 8.3 | | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12 | 0 | 0 | | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0 | 40.8 | 179.2 | 0 | 0 | | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32 | | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50 | 134.8 | 136.1 | 44.3 | | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60 | 78.4 | 28 | | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60 | 38.6 | 20.5 | | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12 | 56.2 | 39.3 | 40.7 | 9.6 | | 544 | 4 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6 | 79 | 61.2 | 20.3 | 5.4 | | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0 | 60 | 83.2 | 0 | 1.1 | | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | | 539 | 4 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | | 551 | 4.9 | 181 | 1400 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | 2.0 | | 544 | 5.2 | 112 | 1512 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 3-Jul | 72.5 | 106.5 | 71.4 | 92.4 | 12.4 | | 550 | 5.5 | 174 | 1686 | Sunny-overcast; Seas 3 ft; Variable <5 kts |
| 4-Jul | 4.0 | 58.1 | 130.6 | 2.8 | 12.9 | | 543 | 5.8 | 79 | 1766 | Overcast/Rain; Seas 7 ft; N 25 kts |
| Totals | 224.7 | 970.3 | 1162.3 | 711.8 | 198.4 | | | | | | |
| Percent[c] | 7.3 | 31.6 | 37.9 | 23.2 | 6.5 | | | | | | |

| | Sockeye Average Length by Station 2 | 4 | 6 | 8 | 10 | Weighted average |
|---|---|---|---|---|---|---|
| 10-Jun | | | | 582 | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | 538 |
| 12-Jun | | | | | 546 | 546 |
| 13-Jun | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | 537 |
| 16-Jun | 545 | | | | | 545 |
| 17-Jun | 528 | 548 | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | 541 |
| 19-Jun | 560 | 543 | 531 | | | 546 |
| 20-Jun | | 557 | 538 | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | 545 |
| 27-Jun | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | 551 |
| 2-Jul | 542 | 550 | 533 | | 574 | 544 |
| 3-Jul | 537 | 549 | 552 | 557 | 562 | 550 |
| 4-Jul | 537 | 544 | | 539 | 544 | 543 |
| Weighted average | 541 | 546 | 541 | 540 | 538 | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the fork of the tail).

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

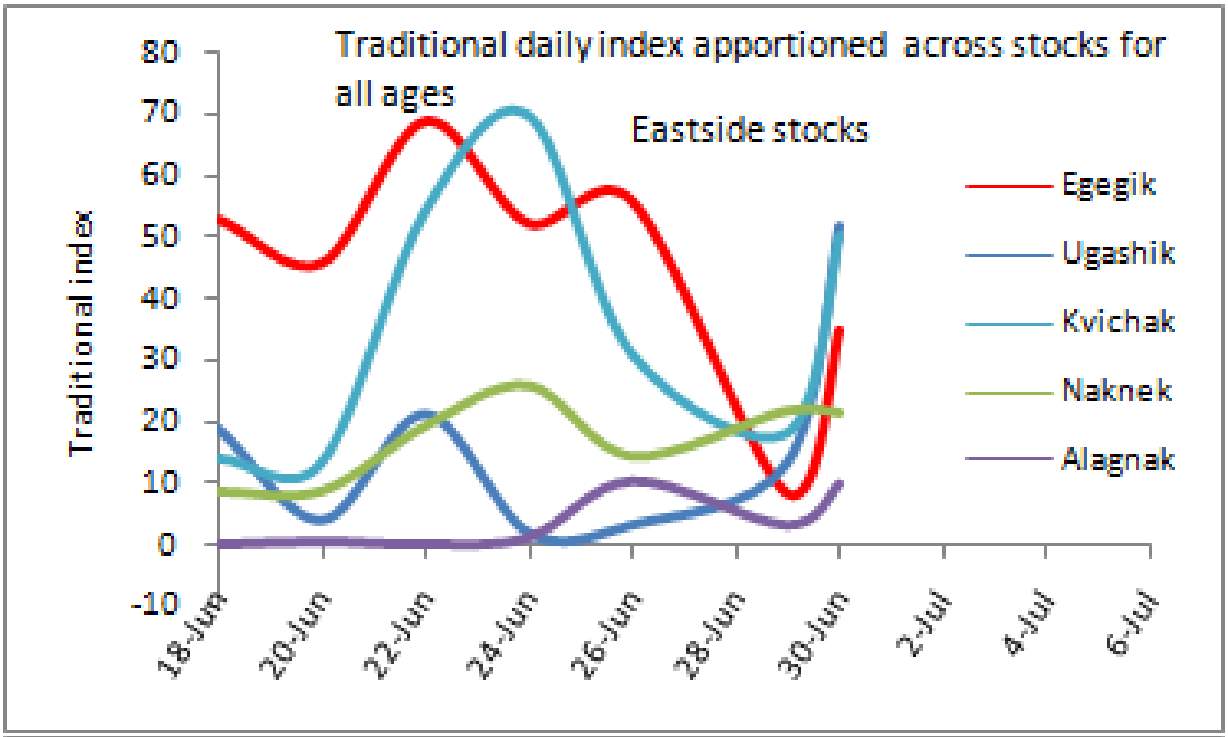
**Today's Fishing**

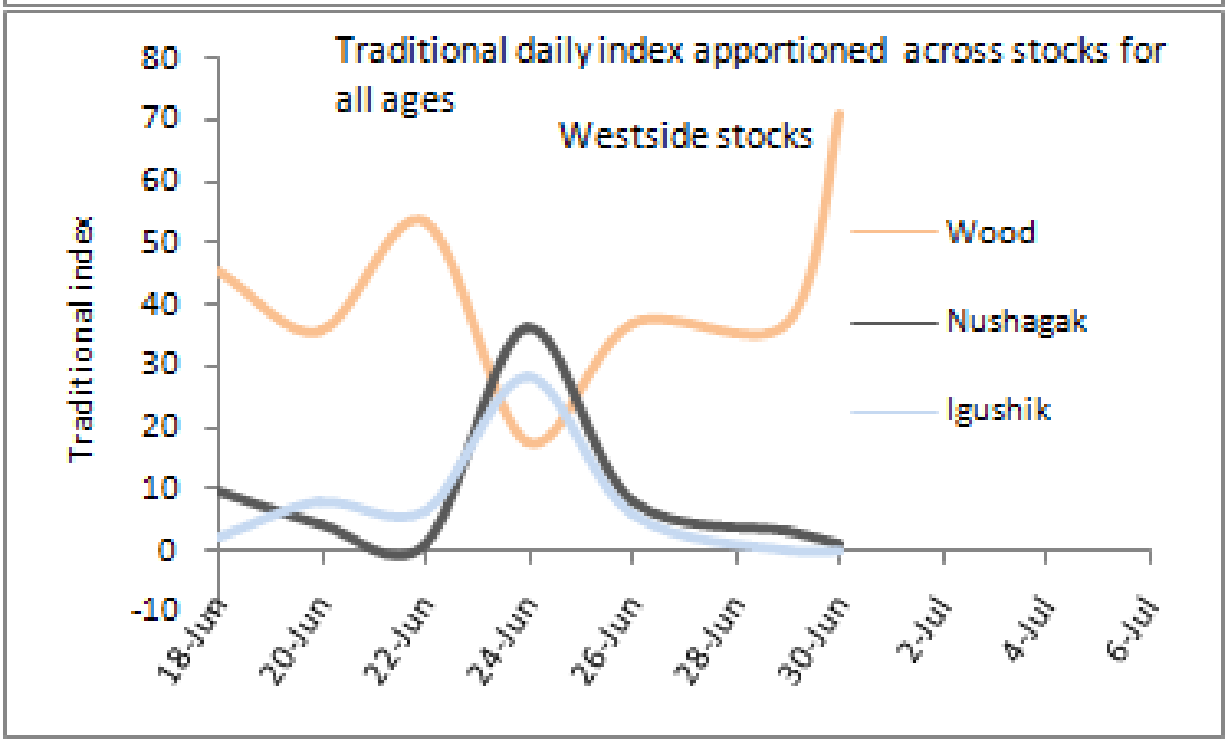
Today's catches produced a Traditional Daily Index of 79 bringing the cumulative Index to 1766. This is the first indication that the second peak at Port Moller is slacking off.

The F/V *Deliverance* made sets at Stations 8, 6, and 4 today. The sets at Stations 4 and 6 were in general agreement with the R/V *Pandalus* results. However, their two Station 8 sets were CPUEs (per 200 fathoms) of 52 and 77, which were larger than the 2.8 recorded by the R/V *Pandalus*. This is an example of measurement error; measurement error has been modest in recent days so we mention this one because it was a sudden change in magnitude. Regardless, the daily passage at Port Moller seems to have subsided some from the last 3 days.

**Genetics Results**

The recent genetic stock composition estimates for June 30 and July 1, show the Egegik, Ugashik, and Wood stocks coming on strong in this second push of fish past Port Moller. Genetics from July 2-3 will confirm this finding if they prove congruous because they represent the majority of the second spike in daily indexes.


Traditional daily index apportioned across stocks for all ages
Eastside stocks
Traditional index
80
70
60
50
40
30
20
10
0
-10
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Egegik
Ugashik
Kvichak
Naknek
Alagnak


Traditional daily index apportioned across stocks for all ages
Westside stocks
Traditional index
80
70
60
50
40
30
20
10
0
-10
18-Jun
20-Jun
22-Jun
24-Jun
26-Jun
28-Jun
30-Jun
2-Jul
4-Jul
6-Jul
Wood
Nushagak
Igushik

Raw catch of sockeye by station at Port Moller in 2010 (fishing time varies among stations and days so values are not readily or directly comparable among station-day cells).

| | Sockeye Catch by Station | | | | | |
|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | 3 |
| 13-Jun | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | 33 |
| 16-Jun | 13 | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | 234 |
| 24-Jun | 3 | 18 | 83 | 100 | 36 | 240 |
| 25-Jun | 3 | 5 | 59 | 36 | | 103 |
| 26-Jun | 13 | 59 | 38 | 40 | 9 | 159 |
| 27-Jun | | 83 | | | | 83 |
| 28-Jun | 0 | 56 | 79 | 0 | 1 | 136 |
| 29-Jun | 3 | 31 | 48 | 22 | 9 | 113 |
| 30-Jun | 4 | 73 | 44 | 17 | | 138 |
| 1-Jul | 7 | 143 | 179 | 86 | 0 | 415 |
| 2-Jul | 34 | 161 | 79 | 9 | 2 | 285 |
| 3-Jul | 81 | 126 | 75 | 97 | 12 | 391 |
| 4-Jul | 4 | 60 | 148 | 3 | 12 | 227 |

# Port Moller Test Fishery—Update #28 for July 5, 2010

| | Sockeye CPUE[d] by Station | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Avg. fish length (mm)[a] | Avg. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0 | 0 | 0 | 3.1 | 0 | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3 | 0 | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3.2 | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1 | 6.3 | 1.6 | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0 | 532 | 3 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0 | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2 | 0 | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0 | 0 | 0 | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60 | 4.1 | 8.3 | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12 | 0 | 0 | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0 | 40.8 | 179.2 | 0 | 0 | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32 | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50 | 134.8 | 136.1 | 44.3 | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60 | 78.4 | 28 | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60 | 38.6 | 20.5 | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12 | 56.2 | 39.3 | 40.7 | 9.6 | 544 | 4 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6 | 79 | 61.2 | 20.3 | 5.4 | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0 | 60 | 83.2 | 0 | 1.1 | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | 539 | 4 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | 551 | 4.9 | 181 | 1400 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | 2.0 | 544 | 5.2 | 112 | 1512 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 3-Jul | 72.5 | 106.5 | 71.4 | 92.4 | 12.4 | 550 | 5.5 | 174 | 1686 | Sunny-overcast; Seas 3 ft; Variable <5 kts |
| 4-Jul | 4.0 | 58.1 | 130.6 | 2.8 | 12.9 | 543 | 5.8 | 79 | 1766 | Overcast/Rain; Seas 7 ft; N 25 kts |
| 5-Jul | 11.4 | 64.9 | 64.8 | 42.6 | 8.1 | 556 | 5.7 | 91 | 1856 | Overcast/Rain; Seas 7 ft; NW 20 kts |
| Totals | 312.7 | 1199.7 | 1429.1 | 849.6 | 233.8 | | | | | |
| Percent[c] | 7.8 | 29.8 | 35.5 | 21.1 | 5.8 | | | | | |

| | Sockeye Average Length by Station | | | | | |
|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | Weighted average |
| 10-Jun | | | | 582 | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | 538 |
| 12-Jun | | | | | 546 | 546 |
| 13-Jun | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | 537 |
| 16-Jun | 545 | | | | | 545 |
| 17-Jun | 528 | 548 | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | 541 |
| 19-Jun | 560 | 543 | 531 | | | 546 |
| 20-Jun | | 557 | 538 | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | 545 |
| 27-Jun | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | 551 |
| 2-Jul | 542 | 550 | 533 | | 574 | 544 |
| 3-Jul | 537 | 549 | 552 | 557 | 562 | 550 |
| 4-Jul | 537 | 544 | | 539 | 544 | 543 |
| 5-Jul | 559 | 554 | 551 | 563 | 574 | 556 |
| Weighted avg. | 542 | 547 | 541 | 542 | 539 | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the f

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

**Today's Fishing**

Today's catches by the R/V *Pandalus* produced a Traditional Daily Index of 91 bringing the cumulative Index to 1856. The F/V *Deliverance* completed its final sampling trip today producing catches at Stations 2 and 4 that were again similar to the *Pandalus*.

The crew will drop off scale and genetic samples from July 4-5 tonight. ADF&G reports that genetic stock composition estimates for July 2-3 will be released tomorrow.

Raw catch of sockeye by station at Port Moller in 2010 (fishing time varies among stations and days so values are not readily or directly comparable among station-day cells).

| | Sockeye Catch by Station | | | | | |
|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | 3 |
| 13-Jun | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | 33 |
| 16-Jun | 13 | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | 234 |
| 24-Jun | 3 | 18 | 83 | 100 | 36 | 240 |
| 25-Jun | 3 | 5 | 59 | 36 | | 103 |
| 26-Jun | 13 | 59 | 38 | 40 | 9 | 159 |
| 27-Jun | | 83 | | | | 83 |
| 28-Jun | 0 | 56 | 79 | 0 | 1 | 136 |
| 29-Jun | 3 | 31 | 48 | 22 | 9 | 113 |
| 30-Jun | 4 | 73 | 44 | 17 | | 138 |
| 1-Jul | 7 | 143 | 179 | 86 | 0 | 415 |
| 2-Jul | 34 | 161 | 79 | 9 | 2 | 285 |
| 3-Jul | 81 | 126 | 75 | 97 | 12 | 391 |
| 4-Jul | 4 | 60 | 148 | 3 | 12 | 227 |
| 5-Jul | 11 | 66 | 67 | 44 | 8 | 196 |

# Port Moller Test Fishery—Update #29 for July 6, 2010

| | Sockeye CPUE[d] by Station | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Avg. fish length (mm)[a] | Avg. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0 | 0 | 0 | 3.1 | 0 | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3 | 0 | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3.2 | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1 | 6.3 | 1.6 | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0 | 532 | 3 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0 | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2 | 0 | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0 | 0 | 0 | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60 | 4.1 | 8.3 | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12 | 0 | 0 | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0 | 40.8 | 179.2 | 0 | 0 | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32 | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50 | 134.8 | 136.1 | 44.3 | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60 | 78.4 | 28 | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60 | 38.6 | 20.5 | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12 | 56.2 | 39.3 | 40.7 | 9.6 | 544 | 4 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6 | 79 | 61.2 | 20.3 | 5.4 | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0 | 60 | 83.2 | 0 | 1.1 | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | 539 | 4 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | 551 | 4.9 | 181 | 1400 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | 2.0 | 544 | 5.2 | 112 | 1512 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 3-Jul | 72.5 | 106.5 | 71.4 | 92.4 | 12.4 | 550 | 5.5 | 174 | 1686 | Sunny-overcast; Seas 3 ft; Variable <5 kts |
| 4-Jul | 4.0 | 58.1 | 130.6 | 2.8 | 12.9 | 543 | 5.8 | 79 | 1766 | Overcast/Rain; Seas 7 ft; N 25 kts |
| 5-Jul | 11.4 | 64.9 | 64.8 | 42.6 | 8.1 | 556 | 5.7 | 91 | 1856 | Overcast/Rain; Seas 7 ft; NW 20 kts |
| 6-Jul | 26.7 | 9.6 | 78.4 | 56.1 | 2.1 | 558 | 6.3 | 91 | 1947 | Overcast/sunny; Seas 7 ft; Variable <10 kts |
| Totals | 312.7 | 1199.7 | 1429.1 | 849.6 | 233.8 | | | | | |
| Percent[c] | 7.8 | 29.8 | 35.5 | 21.1 | 5.8 | | | | | |

| | Sockeye Average Length by Station | | | | | |
|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | Weighted average |
| 10-Jun | | | | 582 | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | 538 |
| 12-Jun | | | | | 546 | 546 |
| 13-Jun | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | 537 |
| 16-Jun | 545 | | | | | 545 |
| 17-Jun | 528 | 548 | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | 541 |
| 19-Jun | 560 | 543 | 531 | | | 546 |
| 20-Jun | | 557 | 538 | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | 545 |
| 27-Jun | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | 551 |
| 2-Jul | 542 | 550 | 533 | | 574 | 544 |
| 3-Jul | 537 | 549 | 552 | 557 | 562 | 550 |
| 4-Jul | 537 | 544 | | 539 | 544 | 543 |
| 5-Jul | 559 | 554 | 551 | 563 | 574 | 556 |
| 6-Jul | 552 | 545 | 555 | 568 | 558 | 558 |
| Weighted avg. | 542 | 547 | 542 | 543 | 540 | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the f

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

## Today's Fishing

Today's catches by the R/V *Pandalus* produced a Traditional Daily Index of 91 (same as yesterday) bringing the cumulative Index to 1947.

## Genetics

The stock composition estimates for July 2-3 remain similar to June 30-July 1. Among eastside stocks the Kvichak and Egegik components appear to have peaked, while Ugashik and Naknek continued to increase. On the westside, the Wood has the strongest signal so far at Port Moller and was still rising as of July 3.

Raw catch of sockeye by station at Port Moller in 2010 (fishing time varies among stations and days so values are not readily or directly comparable among station-day cells).

| | Sockeye Catch by Station | | | | | |
|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | 3 |
| 13-Jun | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | 33 |
| 16-Jun | 13 | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | 234 |
| 24-Jun | 3 | 18 | 83 | 100 | 36 | 240 |
| 25-Jun | 3 | 5 | 59 | 36 | | 103 |
| 26-Jun | 13 | 59 | 38 | 40 | 9 | 159 |
| 27-Jun | | 83 | | | | 83 |
| 28-Jun | 0 | 56 | 79 | 0 | 1 | 136 |
| 29-Jun | 3 | 31 | 48 | 22 | 9 | 113 |
| 30-Jun | 4 | 73 | 44 | 17 | | 138 |
| 1-Jul | 7 | 143 | 179 | 86 | 0 | 415 |
| 2-Jul | 34 | 161 | 79 | 9 | 2 | 285 |
| 3-Jul | 81 | 126 | 75 | 97 | 12 | 391 |
| 4-Jul | 4 | 60 | 148 | 3 | 12 | 227 |
| 5-Jul | 11 | 66 | 67 | 44 | 8 | 196 |
| 6-Jul | 28 | 9 | 81 | 57 | 2 | 177 |

# Port Moller Test Fishery—Update #30 for July 7, 2010

| | Sockeye CPUE[d] by Station | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Avg. fish length (mm)[a] | Avg. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0 | 0 | 0 | 3.1 | 0 | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3 | 0 | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3.2 | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1 | 6.3 | 1.6 | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0 | 532 | 3 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0 | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2 | 0 | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0 | 0 | 0 | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60 | 4.1 | 8.3 | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12 | 0 | 0 | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0 | 40.8 | 179.2 | 0 | 0 | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32 | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50 | 134.8 | 136.1 | 44.3 | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60 | 78.4 | 28 | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60 | 38.6 | 20.5 | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12 | 56.2 | 39.3 | 40.7 | 9.6 | 544 | 4 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6 | 79 | 61.2 | 20.3 | 5.4 | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0 | 60 | 83.2 | 0 | 1.1 | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | 539 | 4 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | 551 | 4.9 | 181 | 1400 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | 2.0 | 544 | 5.2 | 112 | 1512 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 3-Jul | 72.5 | 106.5 | 71.4 | 92.4 | 12.4 | 550 | 5.5 | 174 | 1686 | Sunny-overcast; Seas 3 ft; Variable <5 kts |
| 4-Jul | 4.0 | 58.1 | 130.6 | 2.8 | 12.9 | 543 | 5.8 | 79 | 1766 | Overcast/Rain; Seas 7 ft; N 25 kts |
| 5-Jul | 11.4 | 64.9 | 64.8 | 42.6 | 8.1 | 556 | 5.7 | 91 | 1856 | Overcast/Rain; Seas 7 ft; NW 20 kts |
| 6-Jul | 26.7 | 9.6 | 78.4 | 56.1 | 2.1 | 558 | 6.3 | 91 | 1947 | Overcast/sunny; Seas 7 ft; Variable <10 kts |
| 7-Jul | 1.1 | 90.5 | 53.4 | 39.7 | 30.5 | 554 | 6.6 | 90 | 2037 | Overcast/sunny; Seas 3 ft; N <10 kts |
| Totals | 340.4 | 1299.8 | 1560.9 | 945.3 | 266.5 | | | | | |
| Percent[c] | 7.7 | 29.5 | 35.4 | 21.4 | 6.0 | | | | | |

| | Sockeye Average Length by Station | | | | | |
|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | Weighted average |
| 10-Jun | | | | 582 | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | 538 |
| 12-Jun | | | | | 546 | 546 |
| 13-Jun | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | 537 |
| 16-Jun | 545 | | | | | 545 |
| 17-Jun | 528 | 548 | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | 541 |
| 19-Jun | 560 | 543 | 531 | | | 546 |
| 20-Jun | | 557 | 538 | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | 545 |
| 27-Jun | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | 551 |
| 2-Jul | 542 | 550 | 533 | | 574 | 544 |
| 3-Jul | 537 | 549 | 552 | 557 | 562 | 550 |
| 4-Jul | 537 | 544 | | 539 | 544 | 543 |
| 5-Jul | 559 | 554 | 551 | 563 | 574 | 556 |
| 6-Jul | 552 | 545 | 555 | 568 | 558 | 558 |
| 7-Jul | 565 | 561 | 554 | 539 | | 554 |
| Weighted avg. | 543 | 548 | 543 | 543 | 540 | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the f

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

**Today's Fishing**

Today's catches by the R/V *Pandalus* produced a Traditional Daily Index of 90 bringing the cumulative Index to 2,037. Catches at Port Moller from July 1 to present represent about 820 index points in total and have indicated a sustained passage of fish after the apparent lull in late June.

Unless the vulnerability of fish to the test fishing net increased substantially and very suddenly at Port Moller on July 1 compared to earlier in the year, the second half of the run should resemble the first half in terms of approximate magnitude. Water temperatures have increased some since early in the season, and historically late season indexes have sometimes not tracked the run well relative to the first half. As a result, we can envision some increase in vulnerability to the gear over the two periods. Therefore, the fish per index from this 820 index points (July 1-7) may well be less than what we saw at PM prior to July 1, which was about 16,000 fish per index based on the cumulative index through June 30 and cumulative inshore catch and escapement through 6 July. However, a 3-fold increase in vulnerability over a day or two seems hard to imagine (i.e., to account for the tripling of the index from June 30 to July 1).

With inshore catch and escapement having tracked the first half of Port Moller catches and a 6-7 day travel time from PM to the fishing districts, we should expect catches to pick up inshore over the next few days. We can't promise fish, but if Port Moller is tracking the run, we should expect some remaining strength.

**Stock Composition Estimates**

Tissue samples for July 6-7 were dropped off tonight at Port Moller and stock composition estimates from July 4-5 should be out tomorrow.

Raw catch of sockeye by station at Port Moller in 2010 (fishing time varies among stations and days so values are not readily or directly comparable among station-day cells).

| | Sockeye Catch by Station | | | | | |
|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Total |
| 10-Jun | 0 | 0 | 0 | 3 | 0 | 3 |
| 11-Jun | 10 | 15 | 8 | 3 | 0 | 36 |
| 12-Jun | 0 | 0 | 0 | 0 | 3 | 3 |
| 13-Jun | | | | | | 0 |
| 14-Jun | 13 | 23 | 2 | 13 | 0 | 51 |
| 15-Jun | 13 | 6 | 10 | 4 | 0 | 33 |
| 16-Jun | 13 | | | | | 13 |
| 17-Jun | 9 | 17 | 0 | 0 | 0 | 26 |
| 18-Jun | 33 | 40 | 63 | 4 | 8 | 148 |
| 19-Jun | 23 | 51 | 12 | 0 | 0 | 86 |
| 20-Jun | 0 | 36 | 221 | 0 | 0 | 257 |
| 21-Jun | 17 | 10 | 41 | 154 | 32 | 254 |
| 22-Jun | 7 | 35 | 155 | 152 | 45 | 394 |
| 23-Jun | | 84 | 51 | 64 | 35 | 234 |
| 24-Jun | 3 | 18 | 83 | 100 | 36 | 240 |
| 25-Jun | 3 | 5 | 59 | 36 | | 103 |
| 26-Jun | 13 | 59 | 38 | 40 | 9 | 159 |
| 27-Jun | | 83 | | | | 83 |
| 28-Jun | 0 | 56 | 79 | 0 | 1 | 136 |
| 29-Jun | 3 | 31 | 48 | 22 | 9 | 113 |
| 30-Jun | 4 | 73 | 44 | 17 | | 138 |
| 1-Jul | 7 | 143 | 179 | 86 | 0 | 415 |
| 2-Jul | 34 | 161 | 79 | 9 | 2 | 285 |
| 3-Jul | 81 | 126 | 75 | 97 | 12 | 391 |
| 4-Jul | 4 | 60 | 148 | 3 | 12 | 227 |
| 5-Jul | 11 | 66 | 67 | 44 | 8 | 196 |
| 6-Jul | 28 | 9 | 81 | 57 | 2 | 177 |
| 7-Jul | 1 | 98 | 57 | 39 | 32 | 227 |

# Port Moller Test Fishery—Update #32 for July 9, 2010

| | Sockeye CPUE[d] by Station | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Avg. fish length (mm)[a] | Avg. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0 | 0 | 0 | 3.1 | 0 | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3 | 0 | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3.2 | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1 | 6.3 | 1.6 | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0 | 532 | 3 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0 | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2 | 0 | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0 | 0 | 0 | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60 | 4.1 | 8.3 | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12 | 0 | 0 | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0 | 40.8 | 179.2 | 0 | 0 | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32 | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50 | 134.8 | 136.1 | 44.3 | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60 | 78.4 | 28 | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60 | 38.6 | 20.5 | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12 | 56.2 | 39.3 | 40.7 | 9.6 | 544 | 4 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6 | 79 | 61.2 | 20.3 | 5.4 | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0 | 60 | 83.2 | 0 | 1.1 | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | 539 | 4 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | 551 | 4.9 | 181 | 1400 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | 2.0 | 544 | 5.2 | 112 | 1512 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 3-Jul | 72.5 | 106.5 | 71.4 | 92.4 | 12.4 | 550 | 5.5 | 174 | 1686 | Sunny-overcast; Seas 3 ft; Variable <5 kts |
| 4-Jul | 4.0 | 58.1 | 130.6 | 2.8 | 12.9 | 543 | 5.8 | 79 | 1766 | Overcast/Rain; Seas 7 ft; N 25 kts |
| 5-Jul | 11.4 | 64.9 | 64.8 | 42.6 | 8.1 | 556 | 5.7 | 91 | 1856 | Overcast/Rain; Seas 7 ft; NW 20 kts |
| 6-Jul | 26.7 | 9.6 | 78.4 | 56.1 | 2.1 | 558 | 6.3 | 91 | 1947 | Overcast/sunny; Seas 7 ft; Variable <10 kts |
| 7-Jul | 1.1 | 90.5 | 53.4 | 39.7 | 30.5 | 554 | 6.6 | 90 | 2037 | Overcast/sunny; Seas 3 ft; N <10 kts |
| Totals | 340.4 | 1299.8 | 1560.9 | 945.3 | 266.5 | | | | | |
| Percent[c] | 7.7 | 29.5 | 35.4 | 21.4 | 6.0 | | | | | |

| | Sockeye Average Length by Station | | | | | |
|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | Weighted average |
| 10-Jun | | | | 582 | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | 538 |
| 12-Jun | | | | | 546 | 546 |
| 13-Jun | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | 537 |
| 16-Jun | 545 | | | | | 545 |
| 17-Jun | 528 | 548 | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | 541 |
| 19-Jun | 560 | 543 | 531 | | | 546 |
| 20-Jun | | 557 | 538 | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | 545 |
| 27-Jun | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | 551 |
| 2-Jul | 542 | 550 | 533 | | 574 | 544 |
| 3-Jul | 537 | 549 | 552 | 557 | 562 | 550 |
| 4-Jul | 537 | 544 | | 539 | 544 | 543 |
| 5-Jul | 559 | 554 | 551 | 563 | 574 | 556 |
| 6-Jul | 552 | 545 | 555 | 568 | 558 | 558 |
| 7-Jul | 565 | 561 | 554 | 539 | | 554 |
| Weighted avg. | 543 | 548 | 543 | 543 | 540 | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the f

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

## Fishing

The 2010 Port Moller test fishing ended on July 7. Plans were to make one more trip (July 8 and 9), but inclement weather precluded fishing. The second peak that began at Port Moller on July 1 was sustained for about 3 days and then dropped off some by July 7. All indications were that the daily index (and the run) was winding down at Port Moller by the 7th, although a few more days of modest indexes were likely had we been able to keep fishing. These last few days have little to no effect on inshore management.

## Genetics

The latest stock composition estimates show all stocks to be declining (except Alagnak, which held constant) on July 4-5 with the Wood still dominating. Genetic results from July 6-7 samples will be released tomorrow (July 10) by ADF&G and I will forward them on to this distribution.

## Acknowledgements

The 2010 Port Moller test fishing project was managed and staffed by the Bristol Bay Science and Research Institute (BBSRI). The project was funded by ADF&G, BBSRI, ten Bristol Bay processors, and by Bristol Bay driftnet fishermen (through the Bristol Bay Regional Seafood Development Association, or BB-RSDA). Processors included AGS, Trident, Norquest, Ocean Beauty, North Pacific/Pederson Pt, Peter Pan, Icicle, Yardarm, Leader Creek, and Snopac.

Guy Wade managed the Port Moller test fishery program, including the vessel charter, procuring equipment, the sampling crew, and all field logistics. Dr. Scott Raborn and Michael Link prepared project updates.

These updates are provided by BBSRI as a public service to fishermen, processors, and the public. Although none of this is possible without the help of ADF&G personnel and funding, the interpretations contained in the updates were by no means “official” ADF&G interpretations of any of the Port Moller test fishery data or the Bristol Bay run. Fred West and Tim Baker (ADF&G) managed the scale ageing operation in King Salmon and provided timely summaries of age composition from the Port Moller catch. Tyler Dann and Chris Habicht (ADF&G) managed the genetic stock identification component of the project.

The R/V *Pandalus* is a state-owned 68 ft research vessel based in Homer and skippered by Mark Hottman and crewed by Ted Jewell and Fred Woldstad. Reid Johnson and Jerry Hunt were BBSRI fisheries technicians on the *Pandalus*, which carried out the traditional test fishing program that provided data for the daily indexes.

Additional research was conducted at Port Moller in 2010 by the F/V *Deliverance,* which is owned and skippered by Todd Hoppe and crewed by Mark Ganzer and Kurt Jackson. Cody Pederson and Drew Stinnett (and Michael Link for a few days) were BBSRI fisheries technicians on the *Deliverance*, which conducted research on developing a replacement net that will be used in future years to reduce size selectivity. In addition, the *Deliverance* provided replication of the Traditional Net (a net identical to that used by the *Pandalus*) at various stations. This endeavor proved most informative about the overall performance of the Port Moller test fishery—it especially helped in understanding patterns in measurement error throughout the season and quantifying environmental influences (e.g., tide and weather) on catch rates.

Photographs showing the R/V *Pandalus* and the F/V *Deliverance* off the Port Moller Dock, June 2010.

# Port Moller Test Fishery—Update #33 for July 10, 2010

| | Sockeye CPUE[d] by Station | | | | | | | Traditional Index[b] | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date | 2 | 4 | 6 | 8 | 10 | Avg. fish length (mm)[a] | Avg. Temp (°C) | Daily | Cum. | Comments/Weather |
| 10-Jun | 0 | 0 | 0 | 3.1 | 0 | 582 | 4.4 | 2 | 2 | Overcast; Seas 3ft; Wind NW 10kts |
| 11-Jun | 10.3 | 10.5 | 8.7 | 3 | 0 | 538 | 3.8 | 14 | 17 | Sloppy; Seas 8ft; NW 15kts |
| 12-Jun | 0 | 0 | 0 | 0 | 3.2 | 546 | 3.3 | 0 | 17 | Overcast; Seas 3ft; SW 10-15kts |
| 13-Jun | 6.2 | 11.3 | 1 | 6.3 | 1.6 | | | 12 | 29 | No fishing due to weather |
| 14-Jun | 12.4 | 22.6 | 1.9 | 12.6 | 0 | 532 | 3 | 25 | 54 | Overcast; Seas 6ft; S 20kts |
| 15-Jun | 13.9 | 5.8 | 10.3 | 4.1 | 0 | 537 | 3.5 | 15 | 69 | Overcast; Seas 8-10 ft; S 30-35kts |
| 16-Jun | 13.3 | 12.7 | 5.2 | 2 | 0 | 545 | | 14 | 83 | Overcast; Seas 12 ft; S 35 kts |
| 17-Jun | 9.5 | 19.6 | 0 | 0 | 0 | 541 | 3.1 | 12 | 95 | Overcast; Seas 8 ft; S 25 kts |
| 18-Jun | 35.4 | 45.3 | 60 | 4.1 | 8.3 | 541 | 3.1 | 60 | 154 | Overcast; Seas 8 ft; S 5-15 kts |
| 19-Jun | 22.6 | 52.8 | 12 | 0 | 0 | 546 | 3.4 | 35 | 189 | Overcast-sunny; Seas 8 ft; SE 5 kts |
| 20-Jun | 0 | 40.8 | 179.2 | 0 | 0 | 541 | 3.7 | 88 | 277 | Sunny; Seas 6ft; NE <10 kts |
| 21-Jun | 18.5 | 10.3 | 43.9 | 137.9 | 32 | 540 | 4.2 | 139 | 417 | Sunny; Seas 8ft; NE 15 kts |
| 22-Jun | 7.5 | 50 | 134.8 | 136.1 | 44.3 | 533 | 4.1 | 186 | 603 | Overcast and light rain; Seas 5 ft; N <10 kts |
| 23-Jun | 5.1 | 85.4 | 60 | 78.4 | 28 | 536 | 5.4 | 121 | 724 | Sunny; Seas calm; winds variable 5 kts |
| 24-Jun | 2.6 | 19.6 | 81.6 | 88.2 | 31.3 | 540 | 5.4 | 112 | 836 | Foggy-Overcast; Seas 3ft; winds <10 kts |
| 25-Jun | 3.1 | 4.5 | 60 | 38.6 | 20.5 | 533 | 4.6 | 58 | 896 | Overcast; Seas 7 ft; 15 kts |
| 26-Jun | 12 | 56.2 | 39.3 | 40.7 | 9.6 | 544 | 4 | 76 | 971 | Overcast; Seas 10 ft; WNW 30 kts |
| 27-Jun | 6 | 79 | 61.2 | 20.3 | 5.4 | | | 75 | 1046 | Overcast; Seas 10 ft; W 25-30 kts |
| 28-Jun | 0 | 60 | 83.2 | 0 | 1.1 | 542 | 3.7 | 57 | 1103 | Overcast; Seas 3 ft; W 5 kts |
| 29-Jun | 3.1 | 33.8 | 48.8 | 26.4 | 8.9 | 552 | 4.1 | 55 | 1159 | |
| 30-Jun | 3.6 | 69.5 | 44.7 | 16.8 | 4.4 | 539 | 4 | 61 | 1219 | Overcast; Seas 5 ft; N 5-10 kts |
| 1-Jul | 7.2 | 138.4 | 143.2 | 81.9 | 0.0 | 551 | 4.9 | 181 | 1400 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 2-Jul | 32.4 | 142.1 | 83.2 | 11.4 | 2.0 | 544 | 5.2 | 112 | 1512 | Overcast; Seas 5 ft; Variable 5-10 kts |
| 3-Jul | 72.5 | 106.5 | 71.4 | 92.4 | 12.4 | 550 | 5.5 | 174 | 1686 | Sunny-overcast; Seas 3 ft; Variable <5 kts |
| 4-Jul | 4.0 | 58.1 | 130.6 | 2.8 | 12.9 | 543 | 5.8 | 79 | 1766 | Overcast/Rain; Seas 7 ft; N 25 kts |
| 5-Jul | 11.4 | 64.9 | 64.8 | 42.6 | 8.1 | 556 | 5.7 | 91 | 1856 | Overcast/Rain; Seas 7 ft; NW 20 kts |
| 6-Jul | 26.7 | 9.6 | 78.4 | 56.1 | 2.1 | 558 | 6.3 | 91 | 1947 | Overcast/sunny; Seas 7 ft; Variable <10 kts |
| 7-Jul | 1.1 | 90.5 | 53.4 | 39.7 | 30.5 | 554 | 6.6 | 90 | 2037 | Overcast/sunny; Seas 3 ft; N <10 kts |
| Totals | 340.4 | 1299.8 | 1560.9 | 945.3 | 266.5 | | | | | |
| Percent[c] | 7.7 | 29.5 | 35.4 | 21.4 | 6.0 | | | | | |

| | Sockeye Average Length by Station | | | | | |
|---|---|---|---|---|---|---|
| | 2 | 4 | 6 | 8 | 10 | Weighted average |
| 10-Jun | | | | 582 | | 582 |
| 11-Jun | 526 | 533 | 555 | 558 | | 538 |
| 12-Jun | | | | | 546 | 546 |
| 13-Jun | | | | | | |
| 14-Jun | 530 | 526 | 567 | 541 | | 532 |
| 15-Jun | 526 | 544 | 547 | 535 | | 537 |
| 16-Jun | 545 | | | | | 545 |
| 17-Jun | 528 | 548 | | | | 541 |
| 18-Jun | 535 | 540 | 541 | 564 | 562 | 541 |
| 19-Jun | 560 | 543 | 531 | | | 546 |
| 20-Jun | | 557 | 538 | | | 541 |
| 21-Jun | 554 | | 553 | 537 | 534 | 540 |
| 22-Jun | 541 | 542 | 531 | 533 | 534 | 533 |
| 23-Jun | | 550 | 530 | 530 | 526 | 536 |
| 24-Jun | 560 | 534 | 550 | 534 | 533 | 540 |
| 25-Jun | 538 | 553 | 537 | 525 | | 533 |
| 26-Jun | 560 | 543 | 538 | 545 | 556 | 545 |
| 27-Jun | | | | | | |
| 28-Jun | | 548 | 538 | | 595 | 542 |
| 29-Jun | 567 | 557 | 553 | 547 | 541 | 552 |
| 30-Jun | 547 | 542 | 531 | 549 | | 539 |
| 1-Jul | 555 | 550 | 549 | 555 | | 551 |
| 2-Jul | 542 | 550 | 533 | | 574 | 544 |
| 3-Jul | 537 | 549 | 552 | 557 | 562 | 550 |
| 4-Jul | 537 | 544 | | 539 | 544 | 543 |
| 5-Jul | 559 | 554 | 551 | 563 | 574 | 556 |
| 6-Jul | 552 | 545 | 555 | 568 | 558 | 558 |
| 7-Jul | 565 | 561 | 554 | 539 | | 554 |
| Weighted avg. | 543 | 548 | 543 | 543 | 540 | |

[a] To put the average length for the catch into perspective, 3-ocean fish typically range from 560 to 580 mm and 2-ocean fish from 500 to 530 mm (length measured from middle eye to the f

[b] Traditional index is based on catch/hour/100 fathoms at Stations 2, 4, 6, and 8 only (Station 8 weighted double and Station 10 is not used).

[c] Percent of the boat's cumulative sockeye catch for stations 2-10 by station.

[d] CPUE = this is the number of fish the 200 fathom net caught in 60 minutes of fishing. Actual catches vary because the fishing times range from 50-70 minutes.

*Note that index values in red are the average of adjacent values before and after for each station.*

## Genetics

Genetic results from July 6-7 samples show one last resurgence of Kvichak fish, while all other stocks either declined or held relatively constant.

## Acknowledgements

We would like to especially thank Meesha Murphy, Bob Murphy, Trent Hartill, Mark Briski, and George Sudar for Port Moller logistics and sample preparation. Without their help, the Port Moller test fishing program would be arduous at best if not impossible.

# In-Season Port Moller Stock Composition Reports from ADF&G, 2010

# Bristol Bay Salmon Fishery

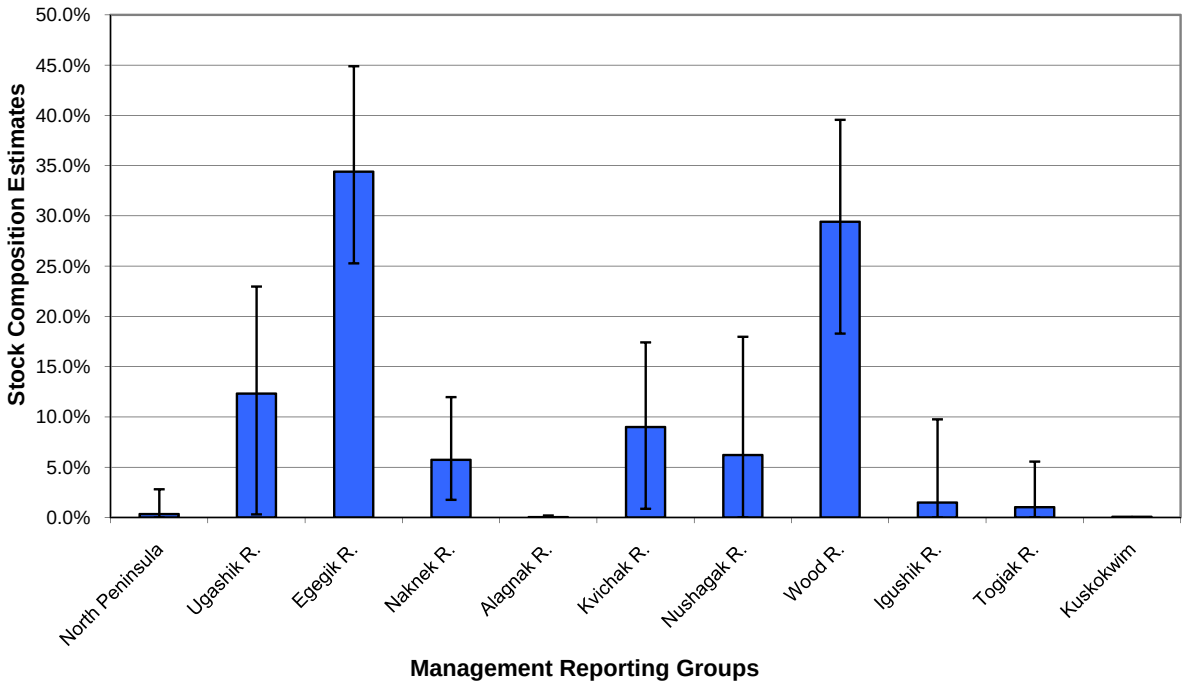
## Port Moller Sockeye Salmon Stock Composition Summary

## June 10-18, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 10-18, 2010. A total of 290 fish were sampled and 190 were analyzed (190 had adequate data to include in the genetic analysis).

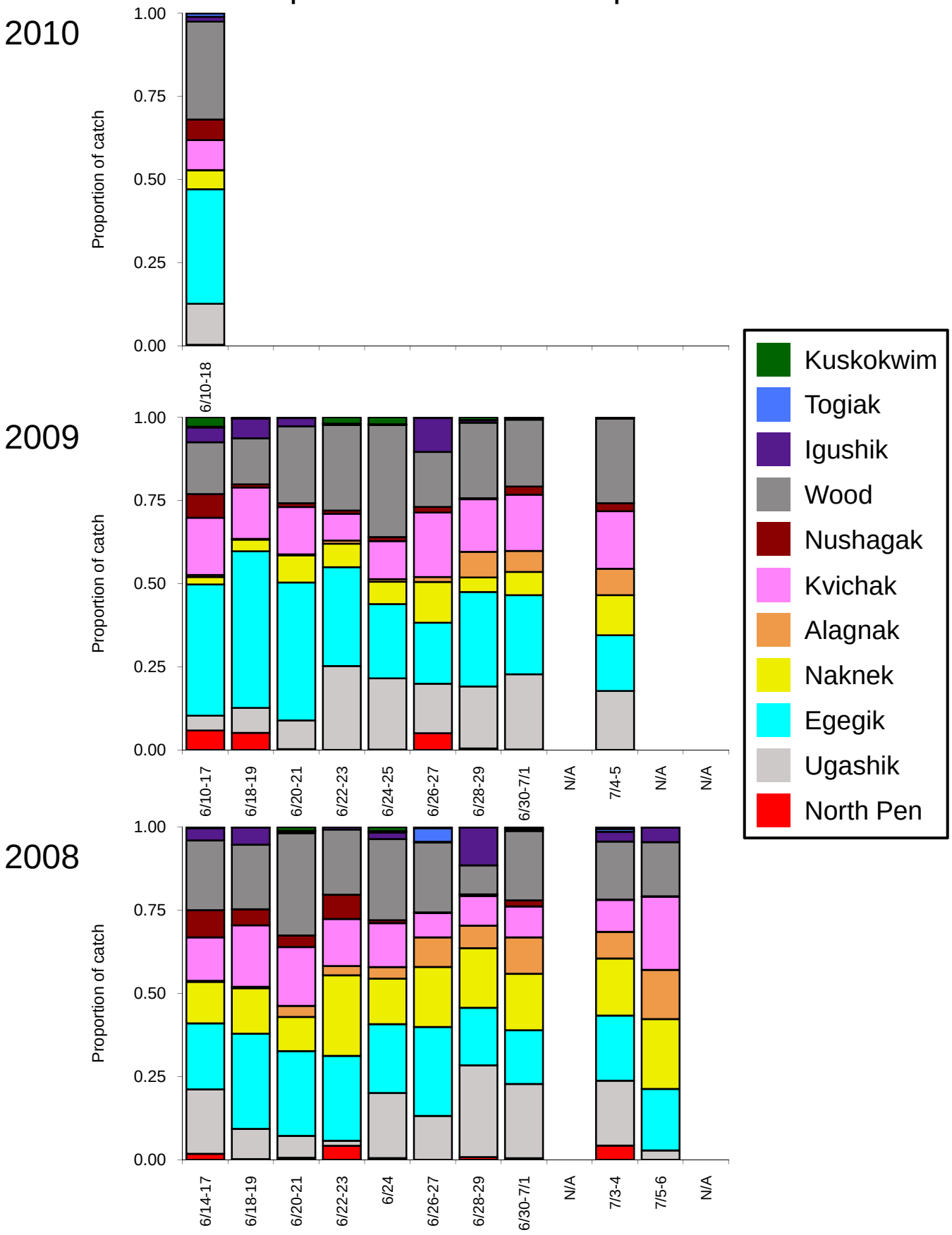
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.3% | 0.0% | 2.8% |
| Ugashik R. | 12.3% | 0.3% | 23.0% |
| Egegik R. | 34.4% | 25.3% | 44.9% |
| Naknek R. | 5.7% | 1.8% | 12.0% |
| Alagnak R. | 0.0% | 0.0% | 0.2% |
| Kvichak R. | 9.0% | 0.9% | 17.4% |
| Nushagak R. | 6.2% | 0.0% | 18.0% |
| Wood R. | 29.4% | 18.3% | 39.6% |
| Igushik R. | 1.5% | 0.0% | 9.8% |
| Togiak R. | 1.0% | 0.0% | 5.6% |
| Kuskokwim | 0.1% | 0.0% | 0.0% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 10-18, 2010 (All Stations).**

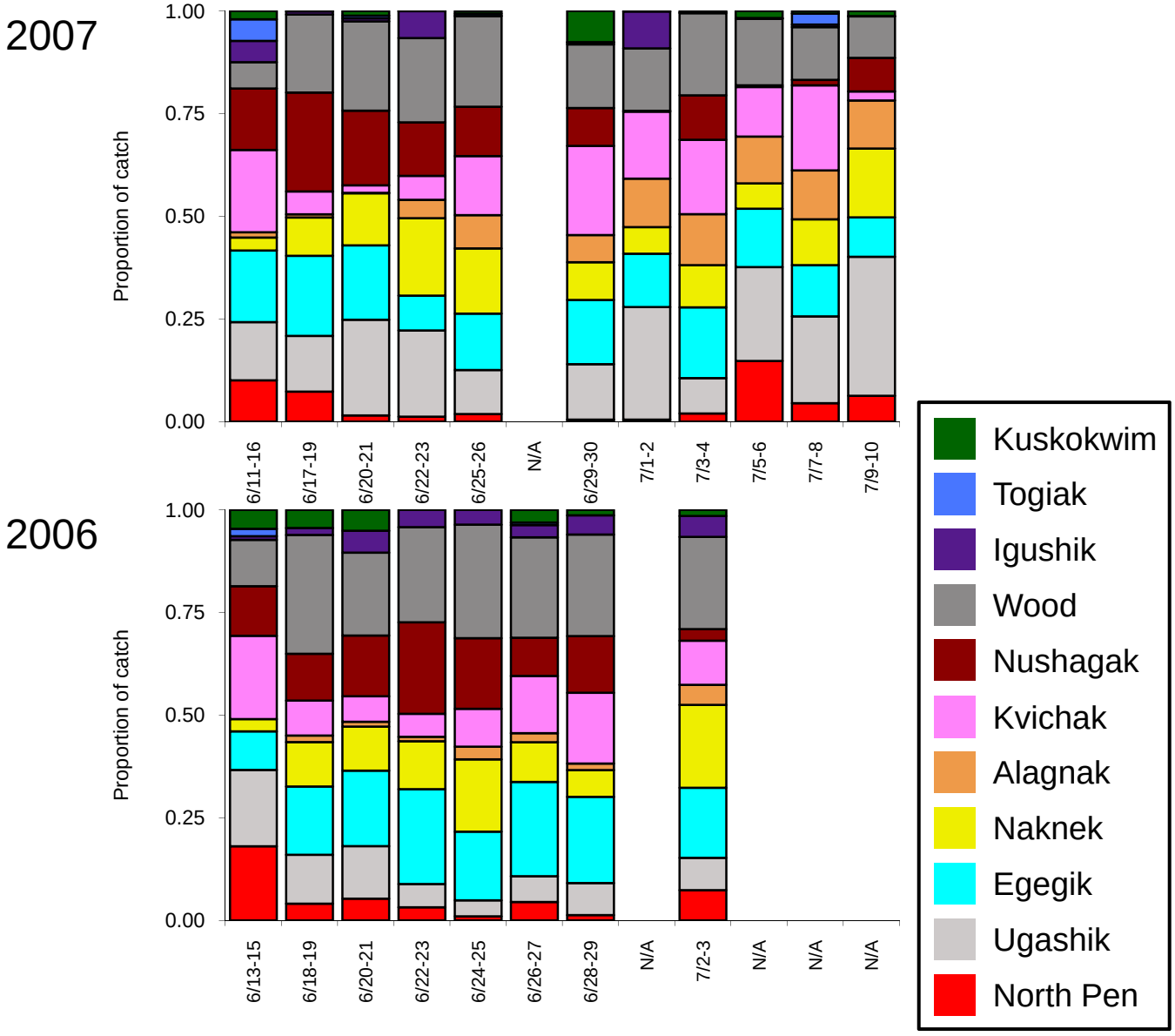



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates



# Bristol Bay Salmon Fishery

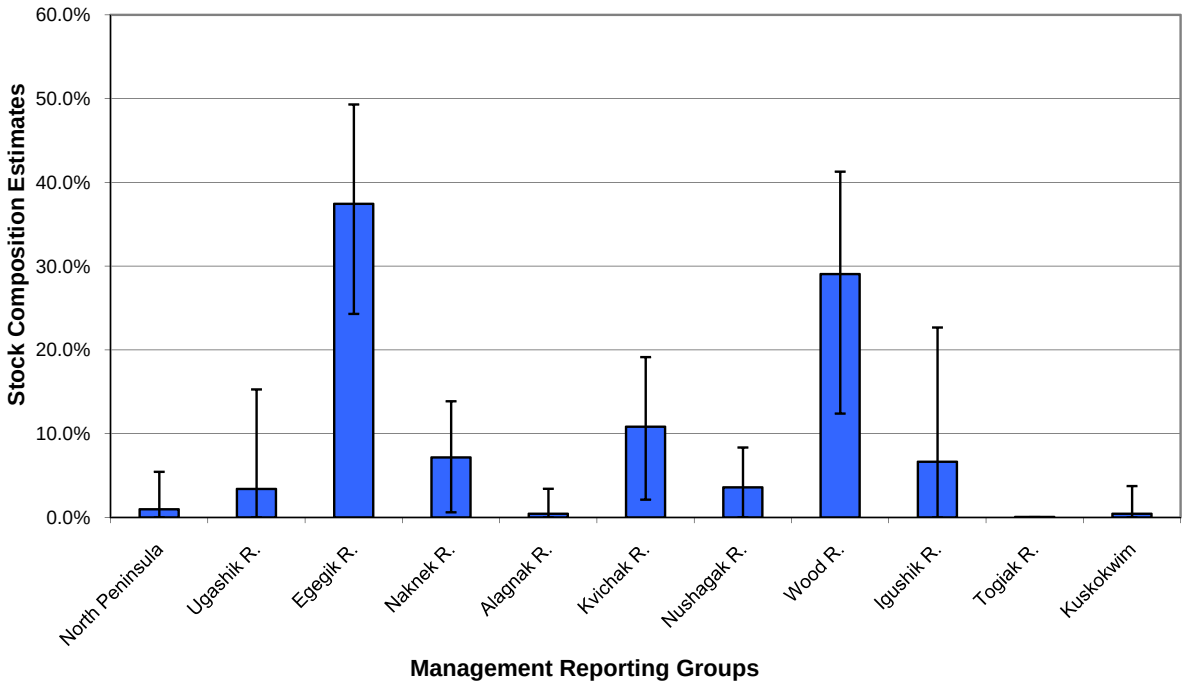
## Port Moller Sockeye Salmon Stock Composition Summary

## June 19-20, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 19-20, 2010. A total of 264 fish were sampled and 190 were analyzed (190 had adequate data to include in the genetic analysis).

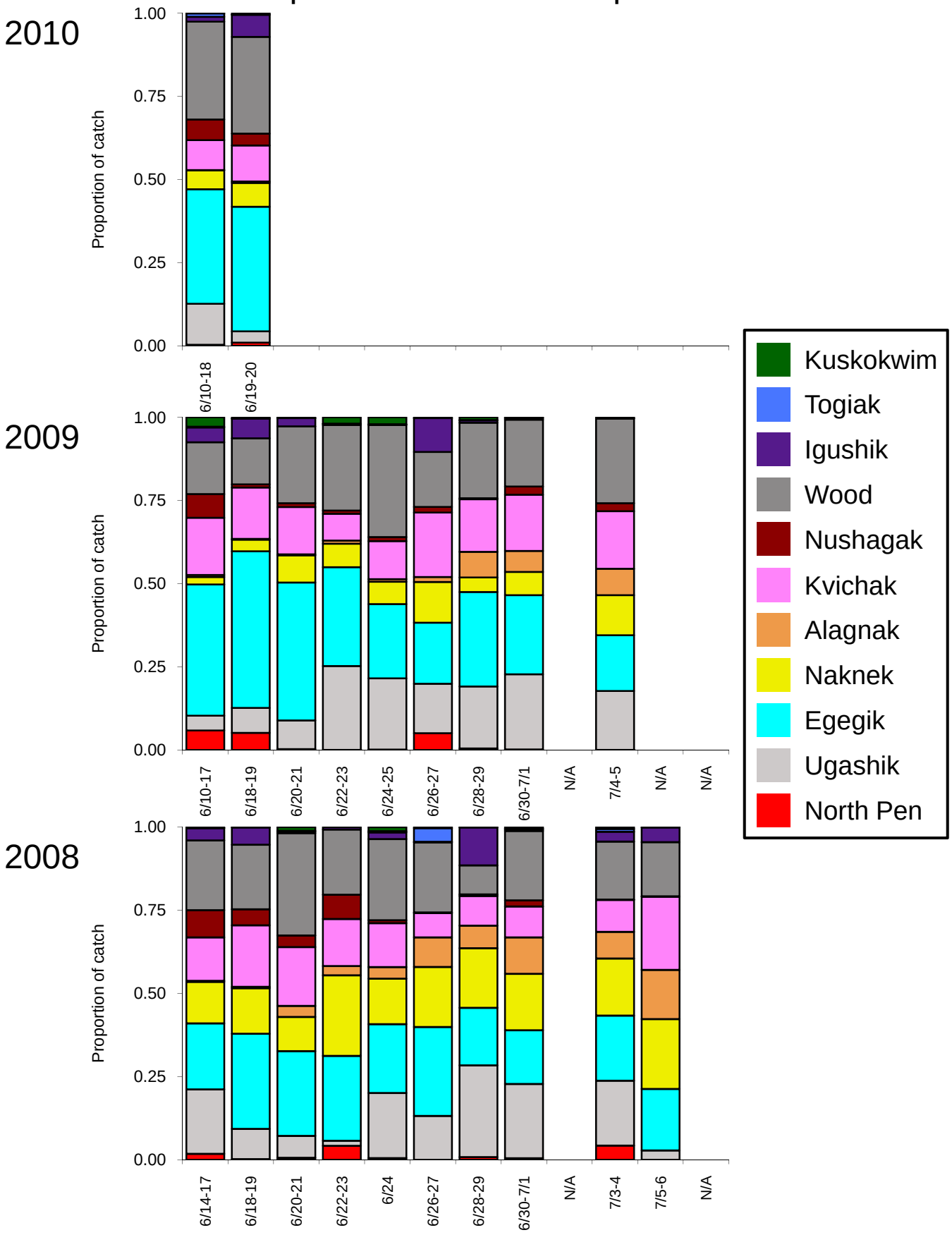
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 1.0% | 0.0% | 5.5% |
| Ugashik R. | 3.4% | 0.0% | 15.3% |
| Egegik R. | 37.4% | 24.3% | 49.3% |
| Naknek R. | 7.2% | 0.6% | 13.9% |
| Alagnak R. | 0.4% | 0.0% | 3.4% |
| Kvichak R. | 10.8% | 2.1% | 19.2% |
| Nushagak R. | 3.6% | 0.0% | 8.4% |
| Wood R. | 29.1% | 12.4% | 41.3% |
| Igushik R. | 6.6% | 0.0% | 22.7% |
| Togiak R. | 0.0% | 0.0% | 0.1% |
| Kuskokwim | 0.4% | 0.0% | 3.8% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 19-20, 2010 (All Stations).**

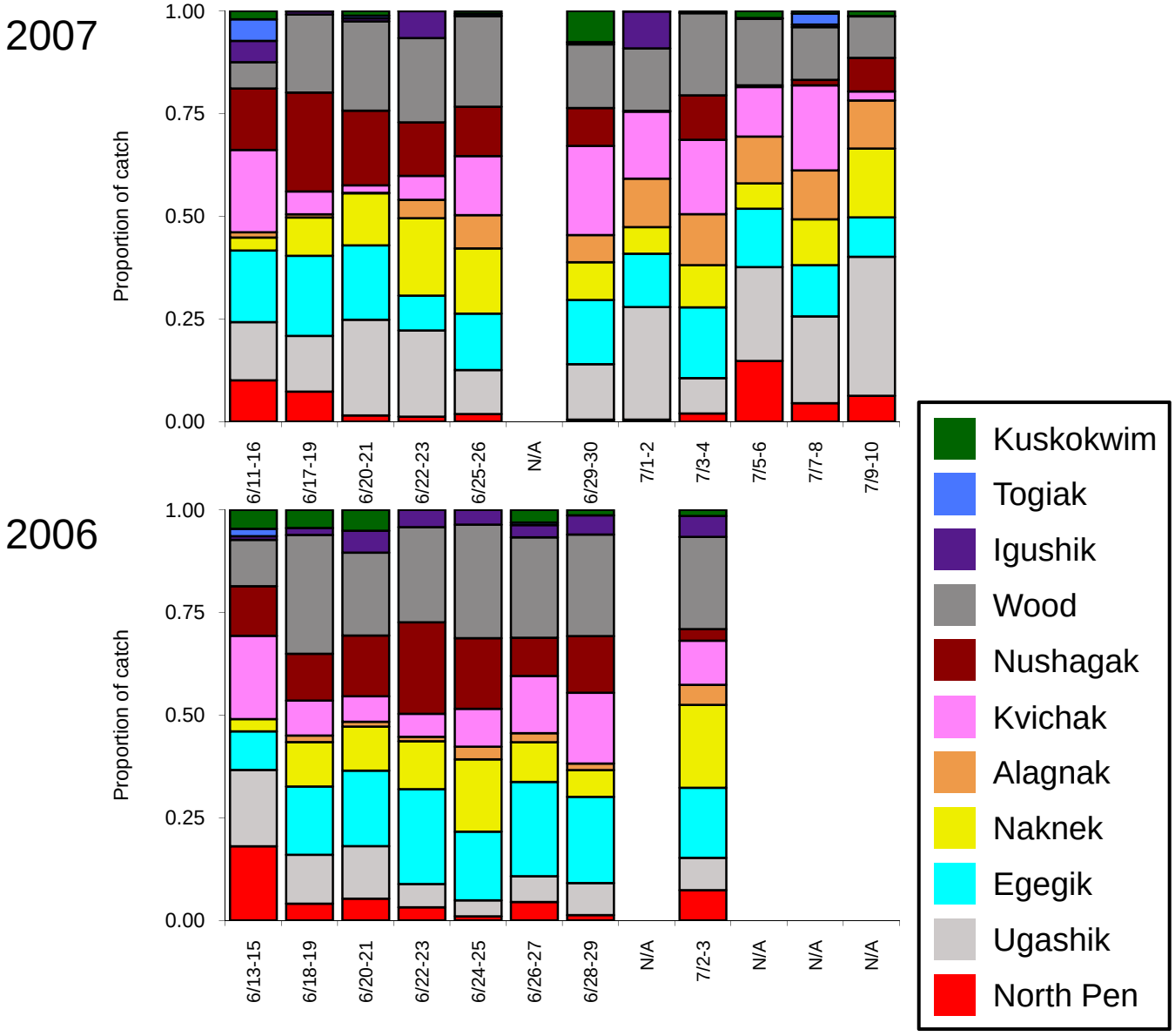



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates



# Bristol Bay Salmon Fishery

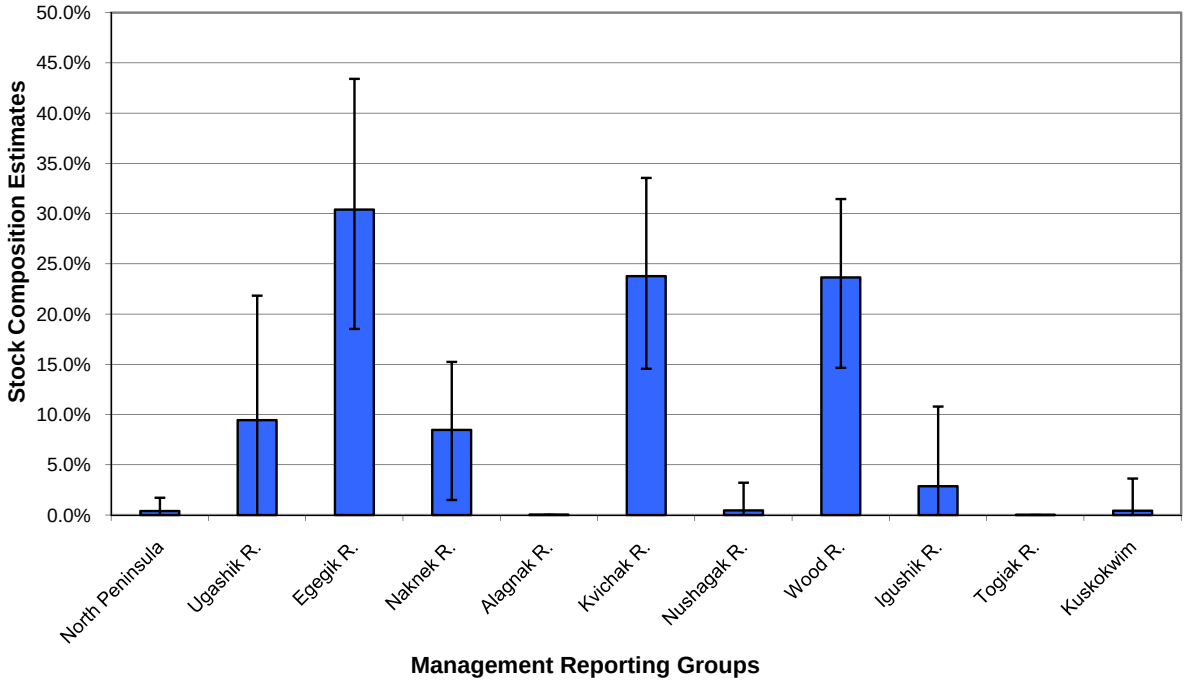
## Port Moller Sockeye Salmon Stock Composition Summary

## June 21-22, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 21-22, 2010. A total of 614 fish were sampled and 190 were analyzed (189 had adequate data to include in the genetic analysis).

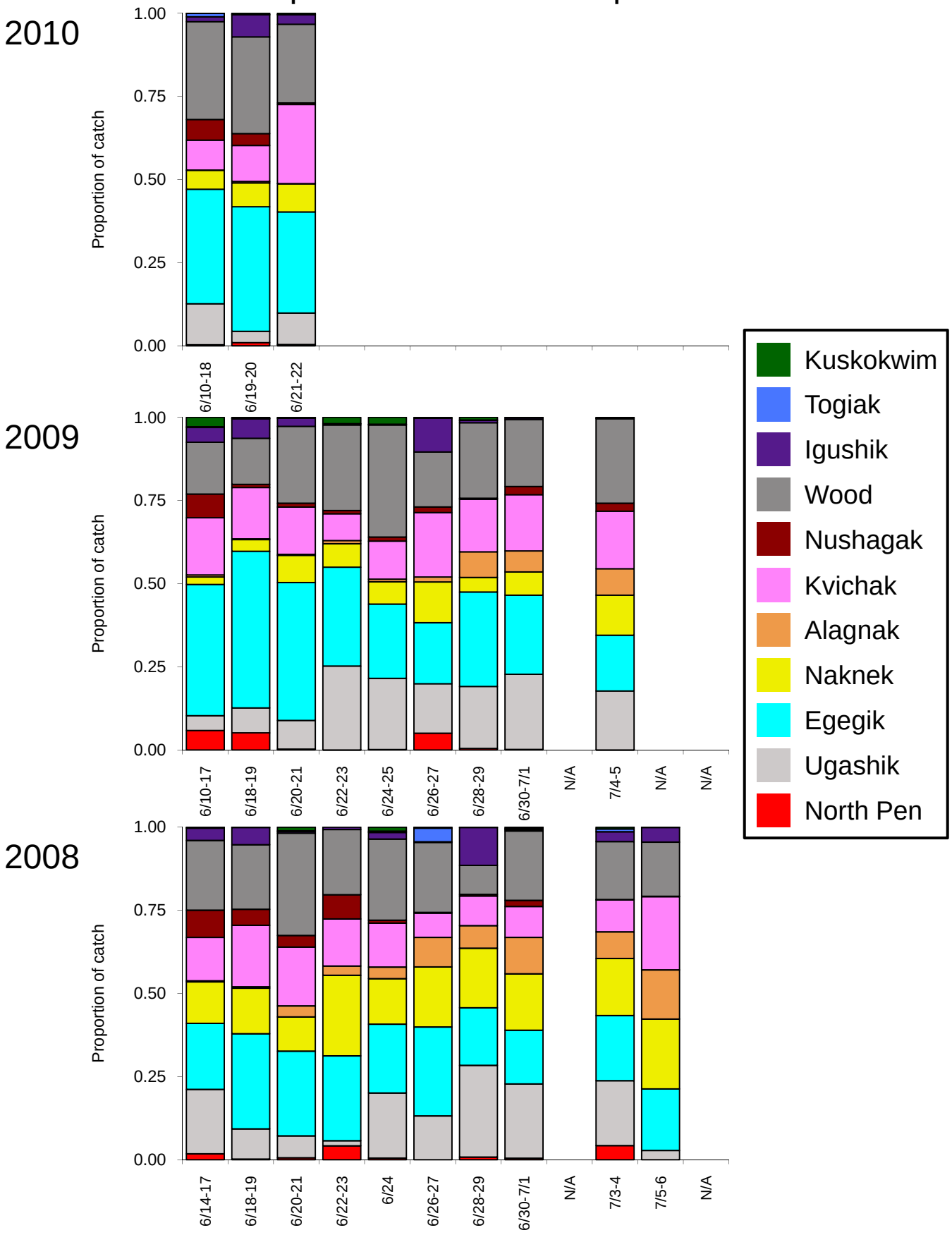
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.4% | 0.0% | 1.7% |
| Ugashik R. | 9.4% | 0.0% | 21.8% |
| Egegik R. | 30.4% | 18.5% | 43.4% |
| Naknek R. | 8.5% | 1.5% | 15.3% |
| Alagnak R. | 0.0% | 0.0% | 0.0% |
| Kvichak R. | 23.8% | 14.6% | 33.6% |
| Nushagak R. | 0.5% | 0.0% | 3.2% |
| Wood R. | 23.6% | 14.7% | 31.5% |
| Igushik R. | 2.9% | 0.0% | 10.8% |
| Togiak R. | 0.0% | 0.0% | 0.0% |
| Kuskokwim | 0.4% | 0.0% | 3.6% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 21-22, 2010 (All Stations).**

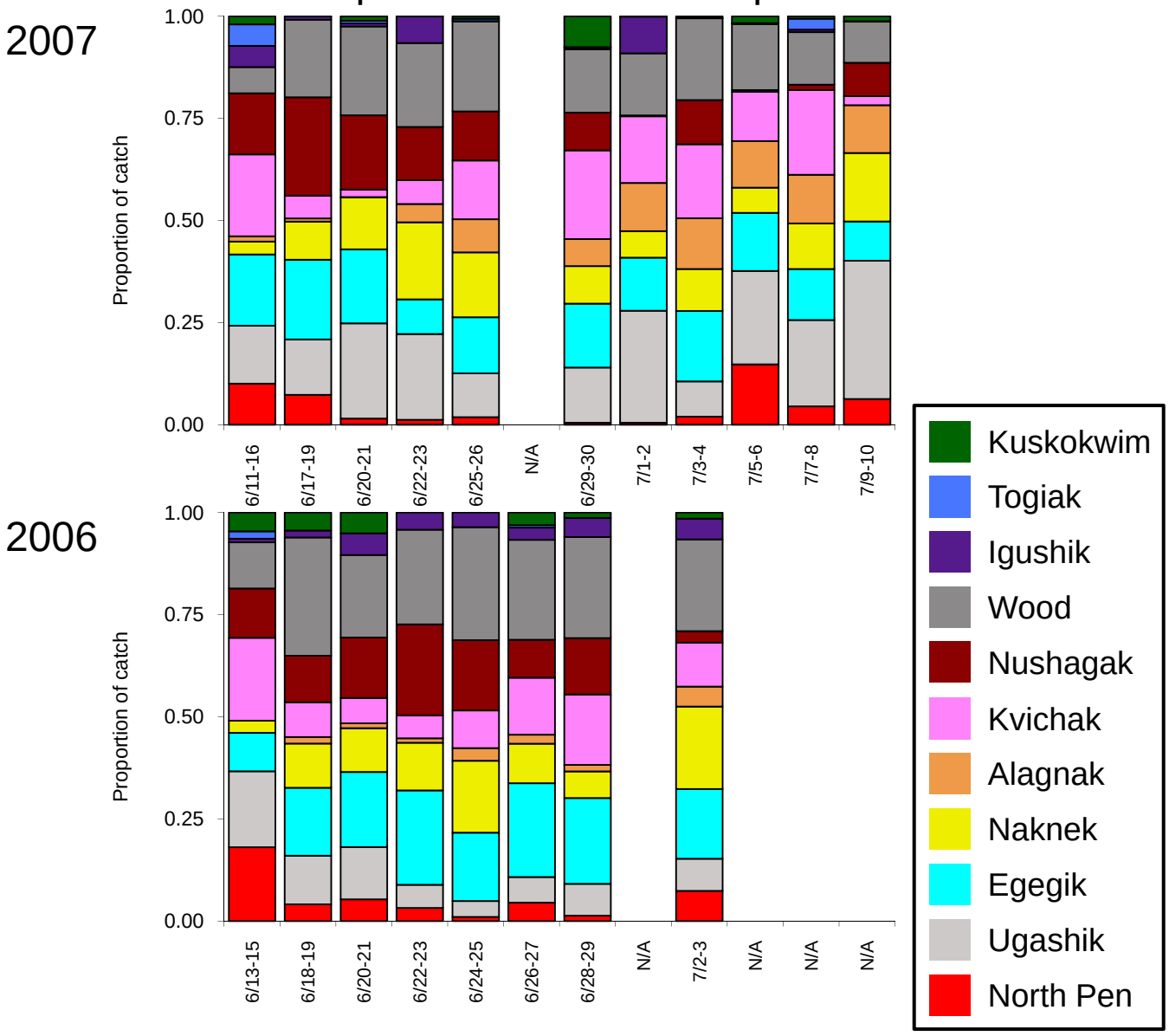



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates



# Bristol Bay Salmon Fishery

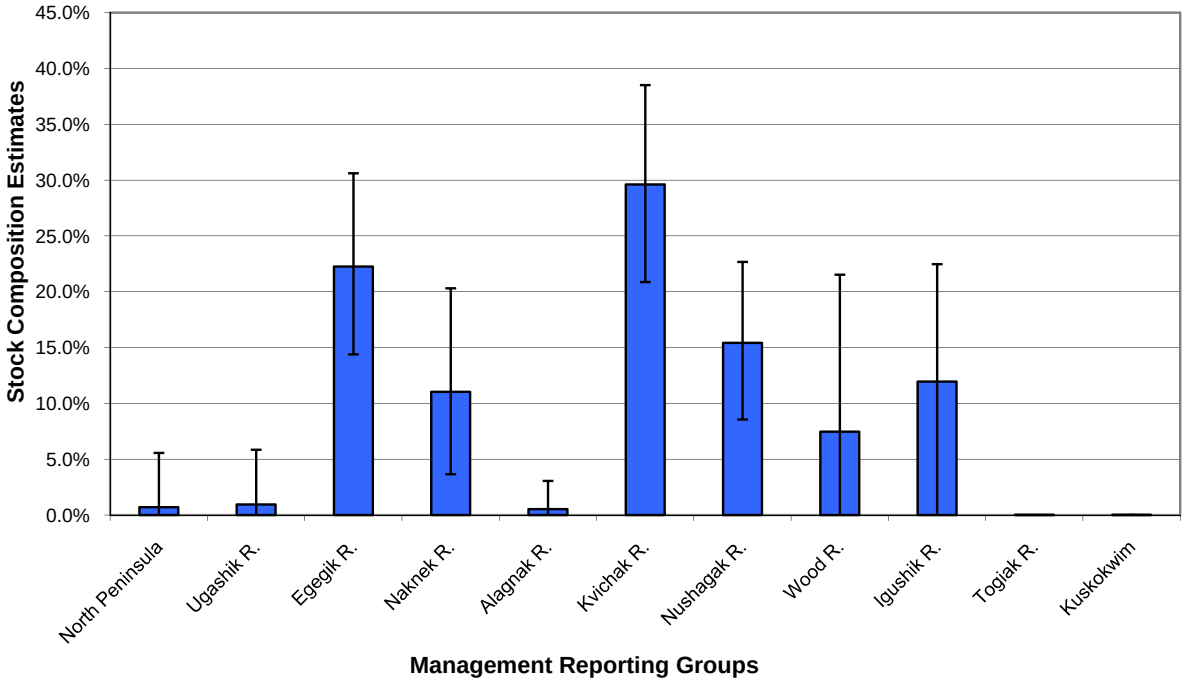
## Port Moller Sockeye Salmon Stock Composition Summary

## June 23-24, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 23-24, 2010. A total of 468 fish were sampled and 190 were analyzed (189 had adequate data to include in the genetic analysis).

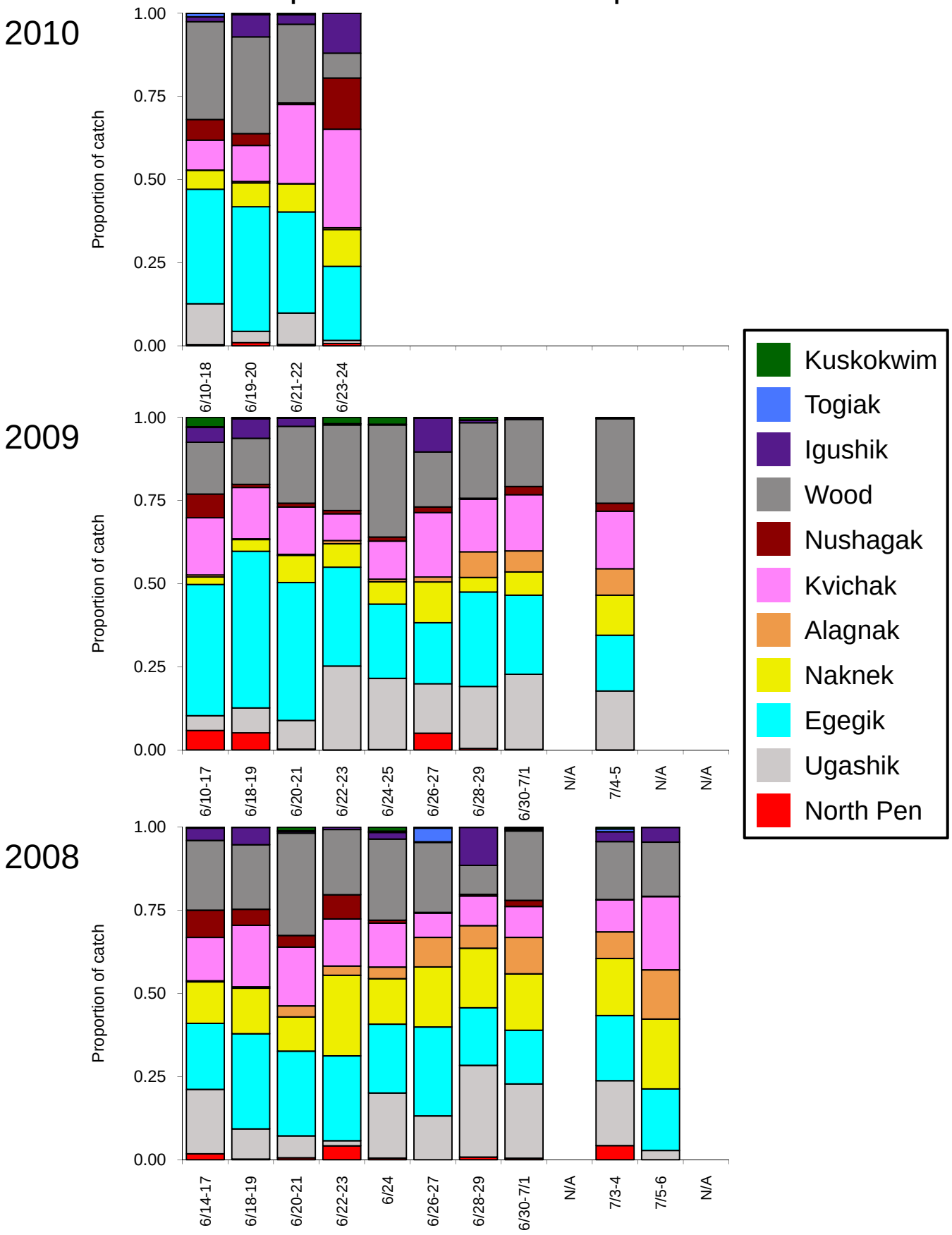
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.7% | 0.0% | 5.6% |
| Ugashik R. | 0.9% | 0.0% | 5.9% |
| Egegik R. | 22.3% | 14.4% | 30.6% |
| Naknek R. | 11.0% | 3.7% | 20.3% |
| Alagnak R. | 0.5% | 0.0% | 3.1% |
| Kvichak R. | 29.6% | 20.9% | 38.5% |
| Nushagak R. | 15.4% | 8.6% | 22.7% |
| Wood R. | 7.5% | 0.0% | 21.5% |
| Igushik R. | 12.0% | 0.0% | 22.5% |
| Togiak R. | 0.0% | 0.0% | 0.0% |
| Kuskokwim | 0.0% | 0.0% | 0.0% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 23-24, 2010 (All Stations).**

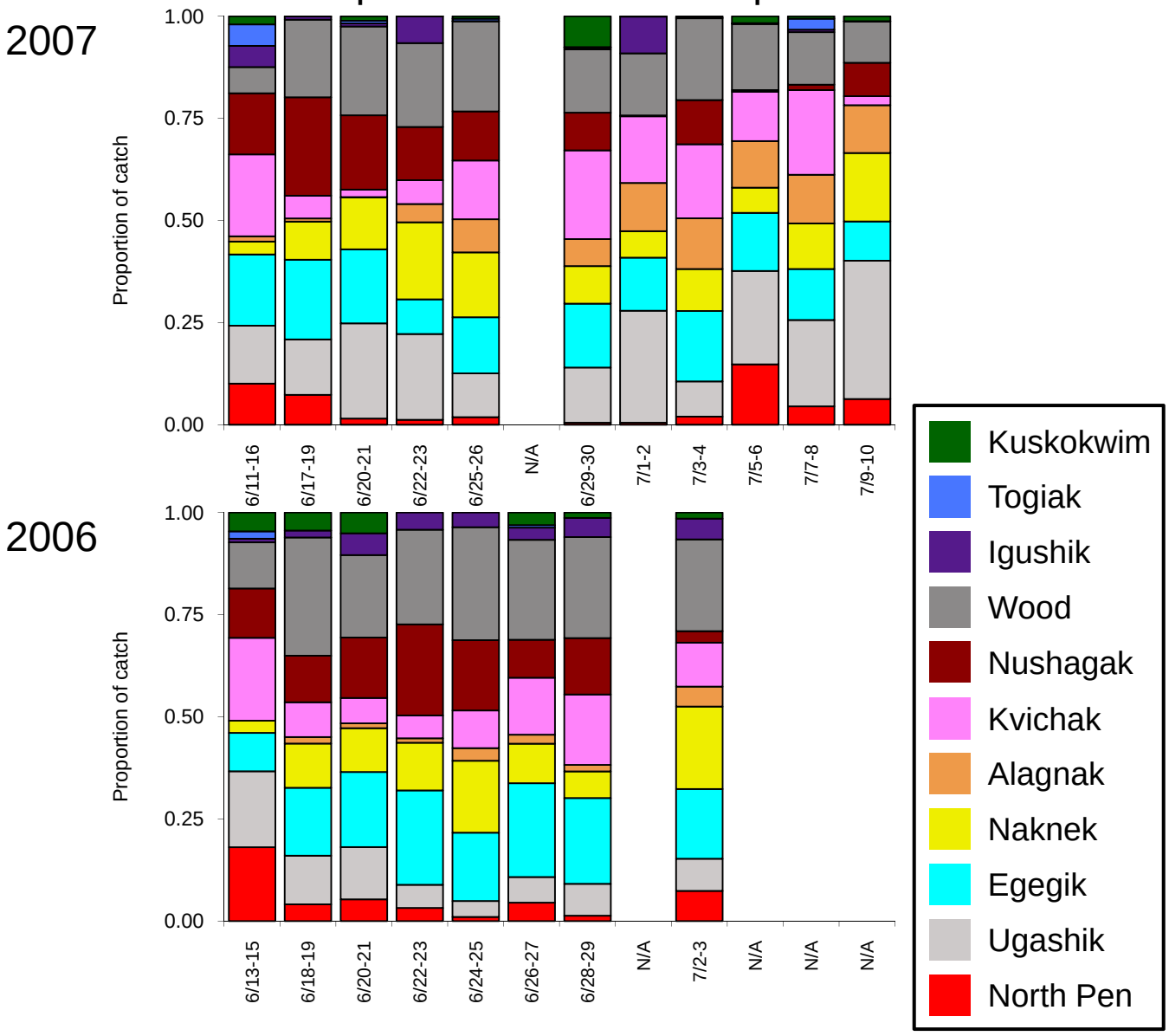



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates



# Bristol Bay Salmon Fishery

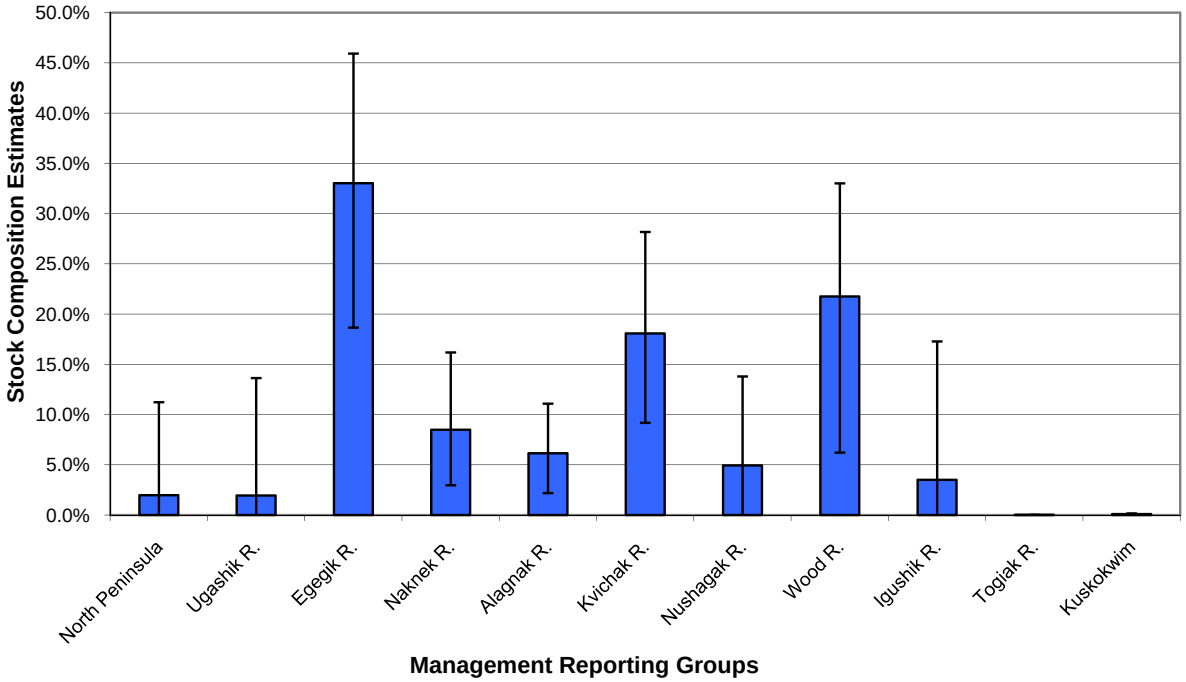
## Port Moller Sockeye Salmon Stock Composition Summary

## June 26, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 26, 2010. A total of 153 fish were sampled and 153 were analyzed (153 had adequate data to include in the genetic analysis).

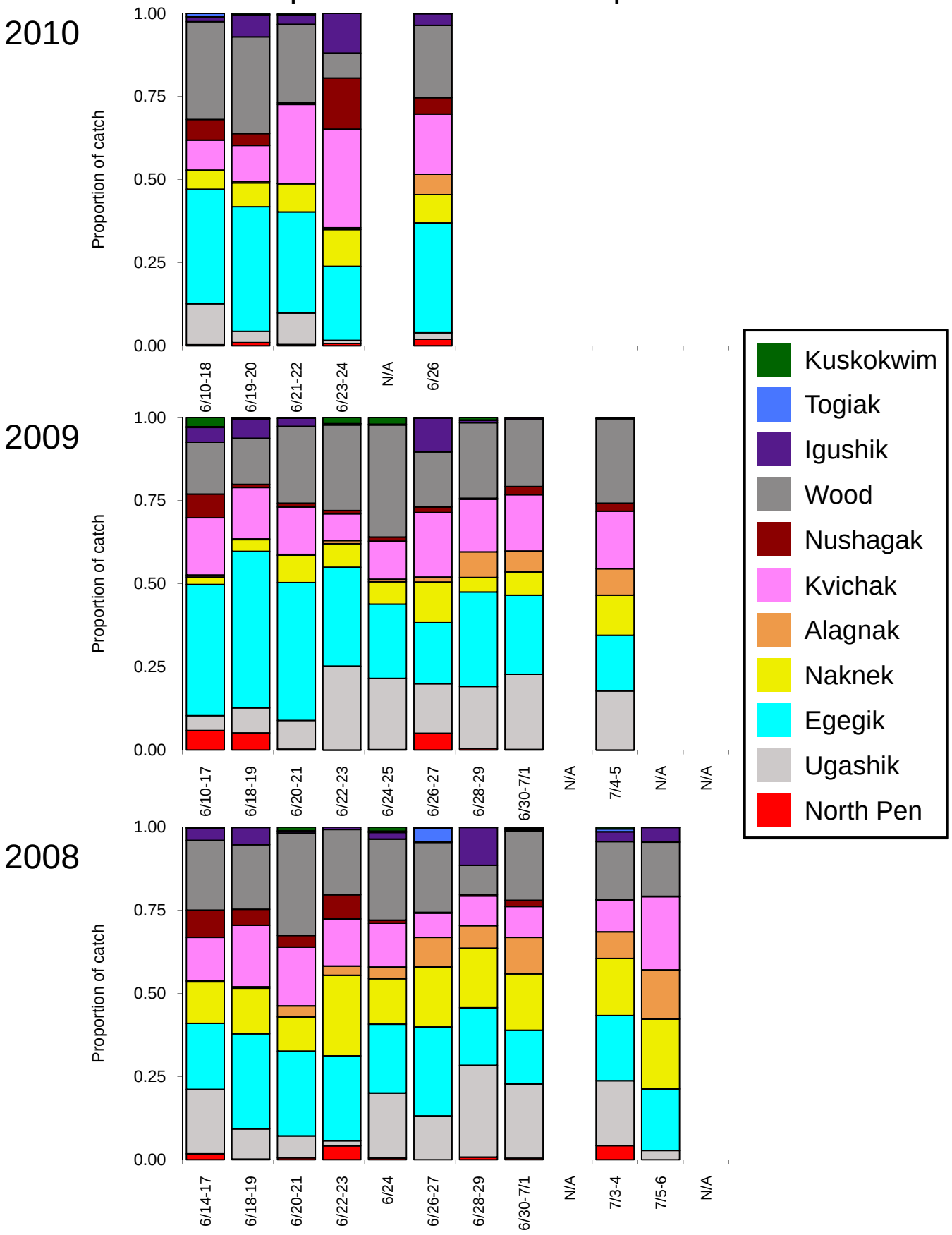
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 2.0% | 0.0% | 11.2% |
| Ugashik R. | 2.0% | 0.0% | 13.6% |
| Egegik R. | 33.0% | 18.7% | 45.9% |
| Naknek R. | 8.5% | 3.0% | 16.2% |
| Alagnak R. | 6.1% | 2.2% | 11.1% |
| Kvichak R. | 18.1% | 9.2% | 28.2% |
| Nushagak R. | 4.9% | 0.0% | 13.8% |
| Wood R. | 21.8% | 6.2% | 33.0% |
| Igushik R. | 3.5% | 0.0% | 17.3% |
| Togiak R. | 0.0% | 0.0% | 0.0% |
| Kuskokwim | 0.1% | 0.0% | 0.2% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 26, 2010 (All Stations).**

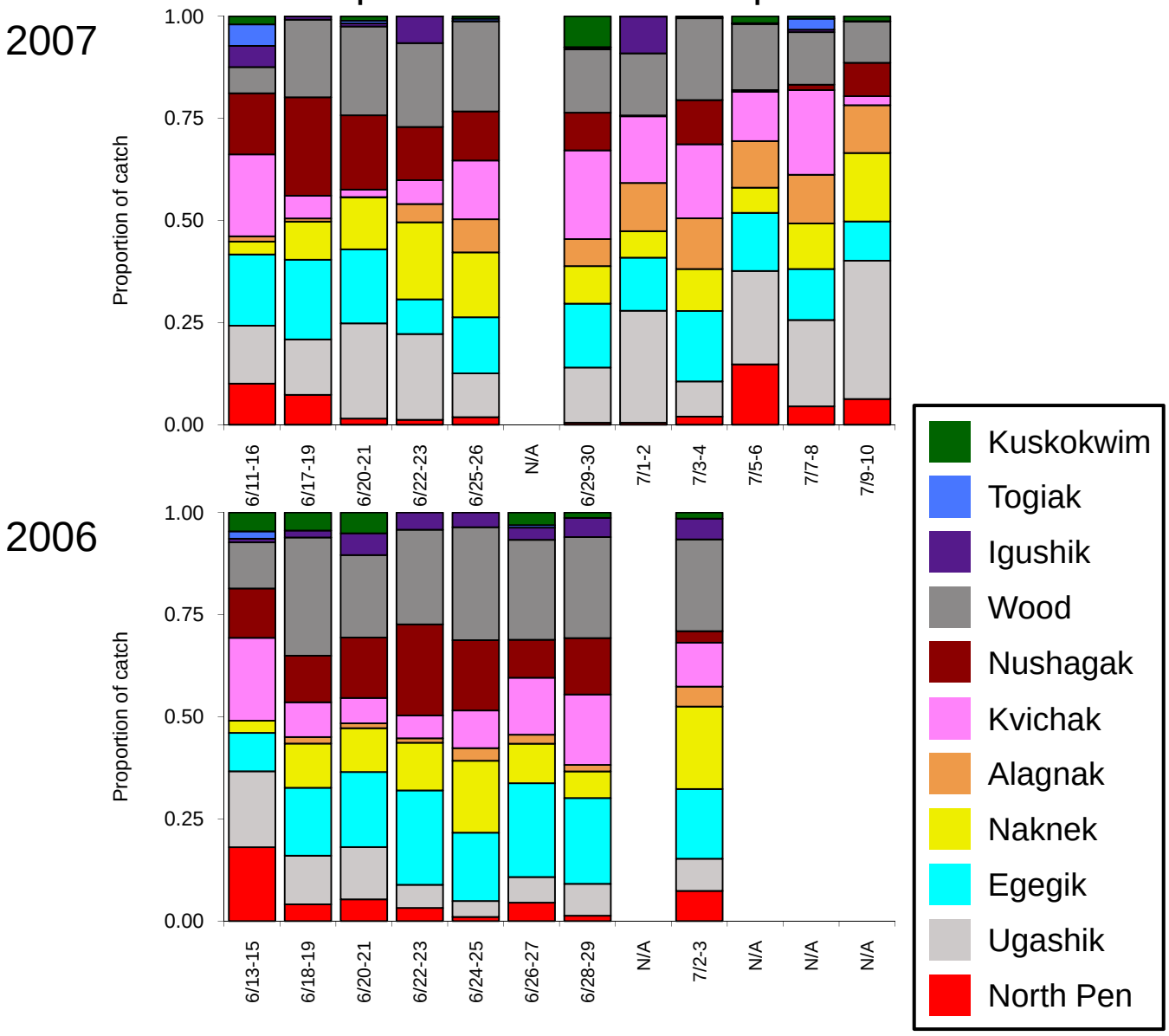



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates



# Bristol Bay Salmon Fishery

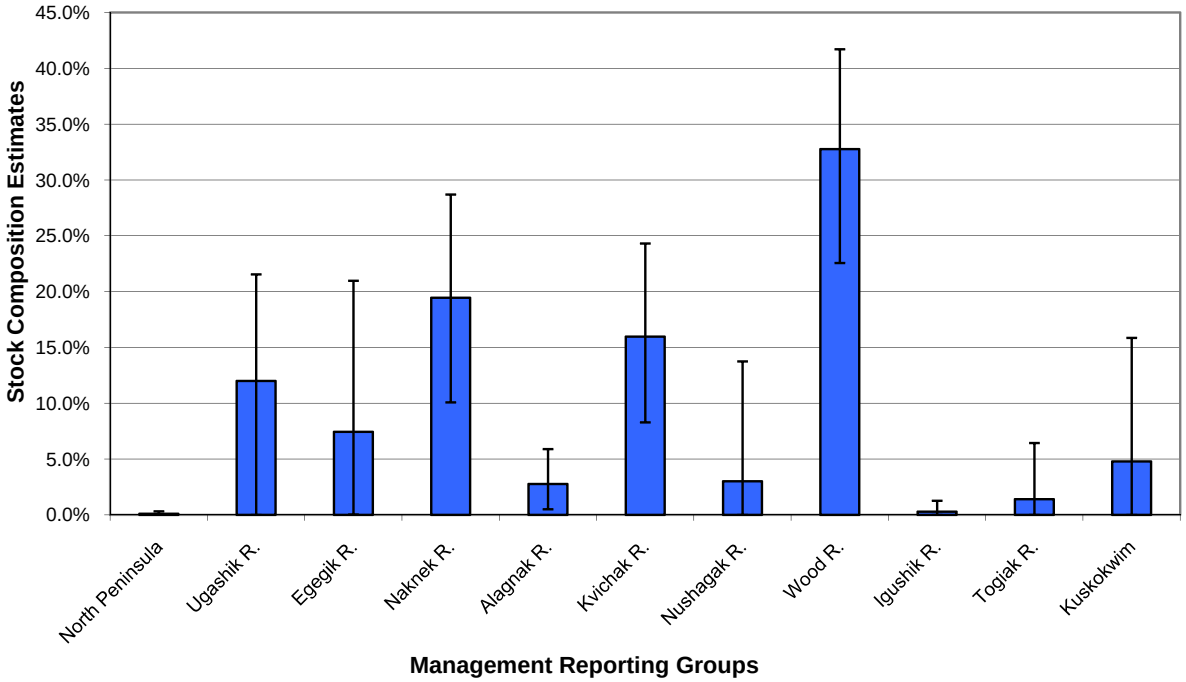
## Port Moller Sockeye Salmon Stock Composition Summary

## June 28-29, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 28-29, 2010. A total of 261 fish were sampled and 190 were analyzed (168 had adequate data to include in the genetic analysis). **Note:** these estimates are based upon a small sample size due to poor laboratory performance of fish captured on June 28. We are reanalyzing these individuals and will release updated estimates for this period within the next two days.

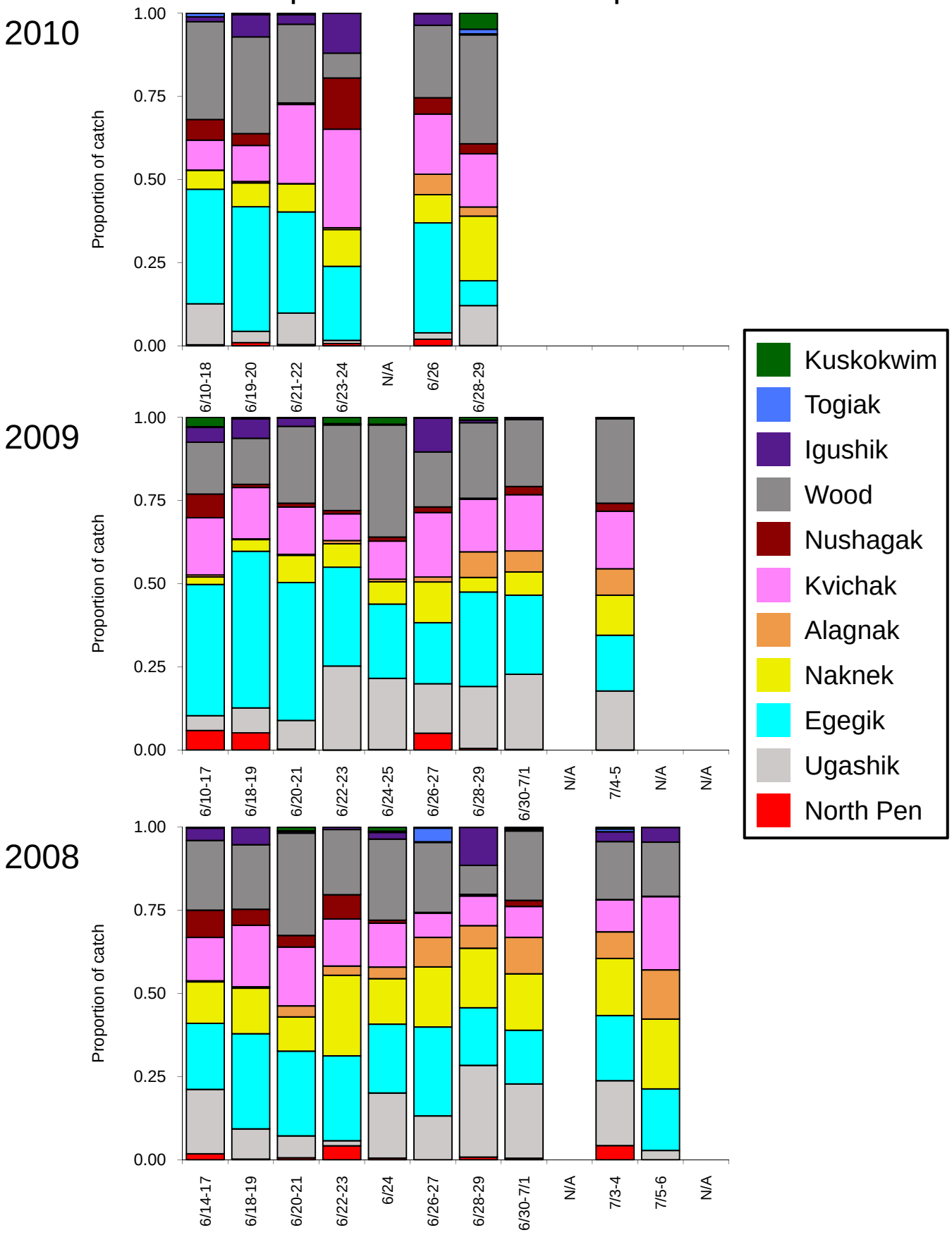
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.1% | 0.0% | 0.3% |
| Ugashik R. | 12.0% | 0.0% | 21.5% |
| Egegik R. | 7.4% | 0.0% | 21.0% |
| Naknek R. | 19.4% | 10.1% | 28.7% |
| Alagnak R. | 2.8% | 0.5% | 5.9% |
| Kvichak R. | 16.0% | 8.3% | 24.3% |
| Nushagak R. | 3.0% | 0.0% | 13.8% |
| Wood R. | 32.8% | 22.6% | 41.7% |
| Igushik R. | 0.3% | 0.0% | 1.3% |
| Togiak R. | 1.4% | 0.0% | 6.4% |
| Kuskokwim | 4.8% | 0.0% | 15.9% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 28-29, 2010 (All Stations).**

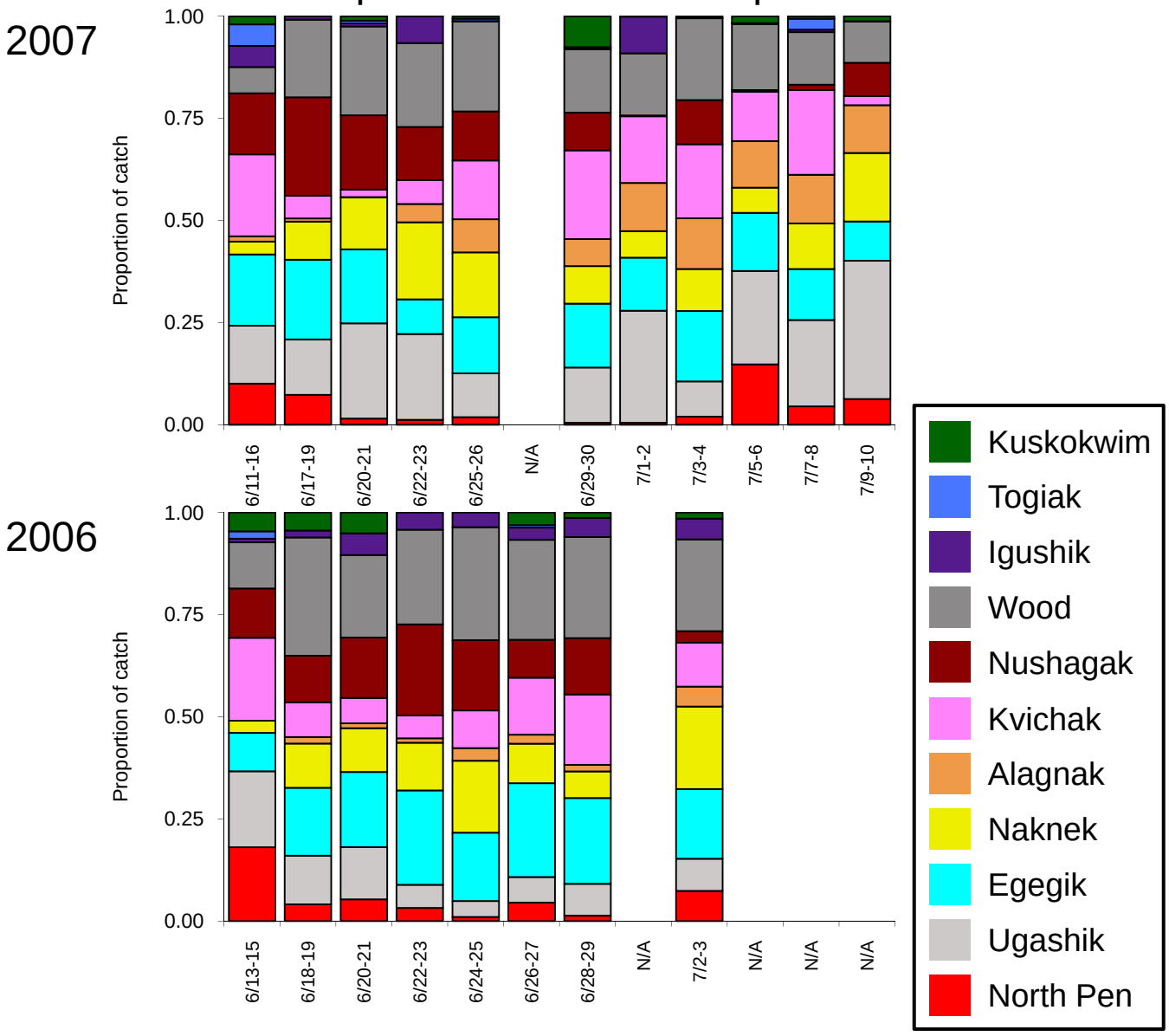



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates

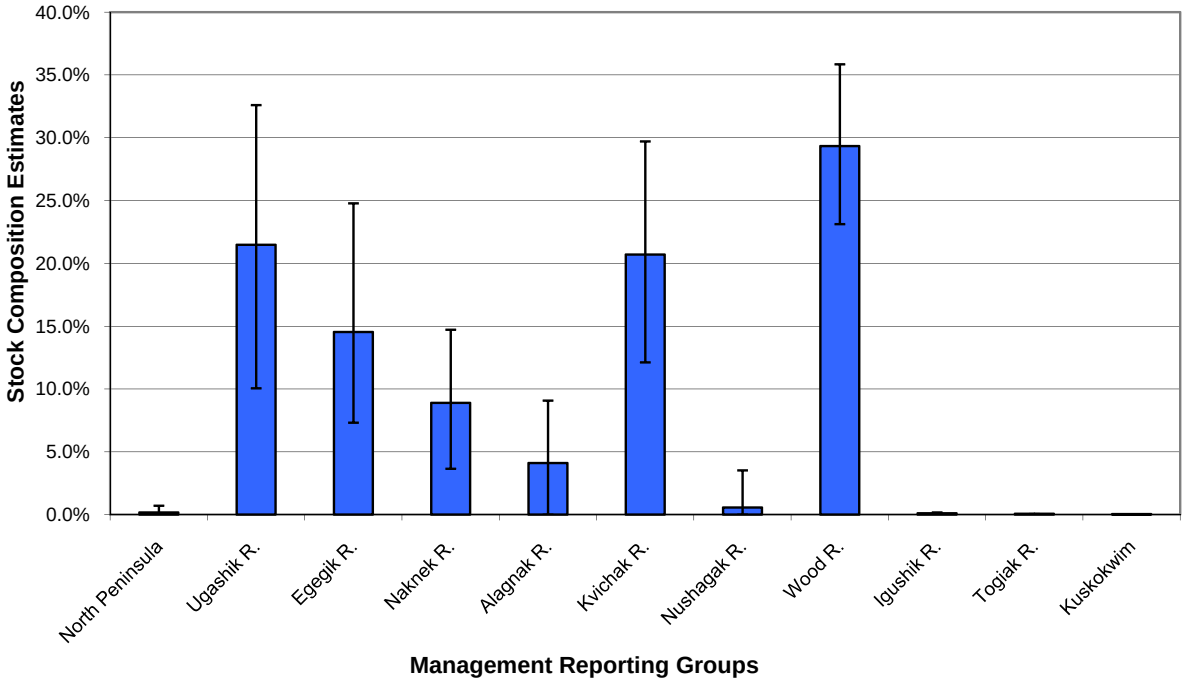


# Bristol Bay Salmon Fishery
## Port Moller Sockeye Salmon Stock Composition Summary
## June 30-July 1, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 30-July 1, 2010. A total of 673 fish were sampled and 190 were analyzed (190 had adequate data to include in the genetic analysis).

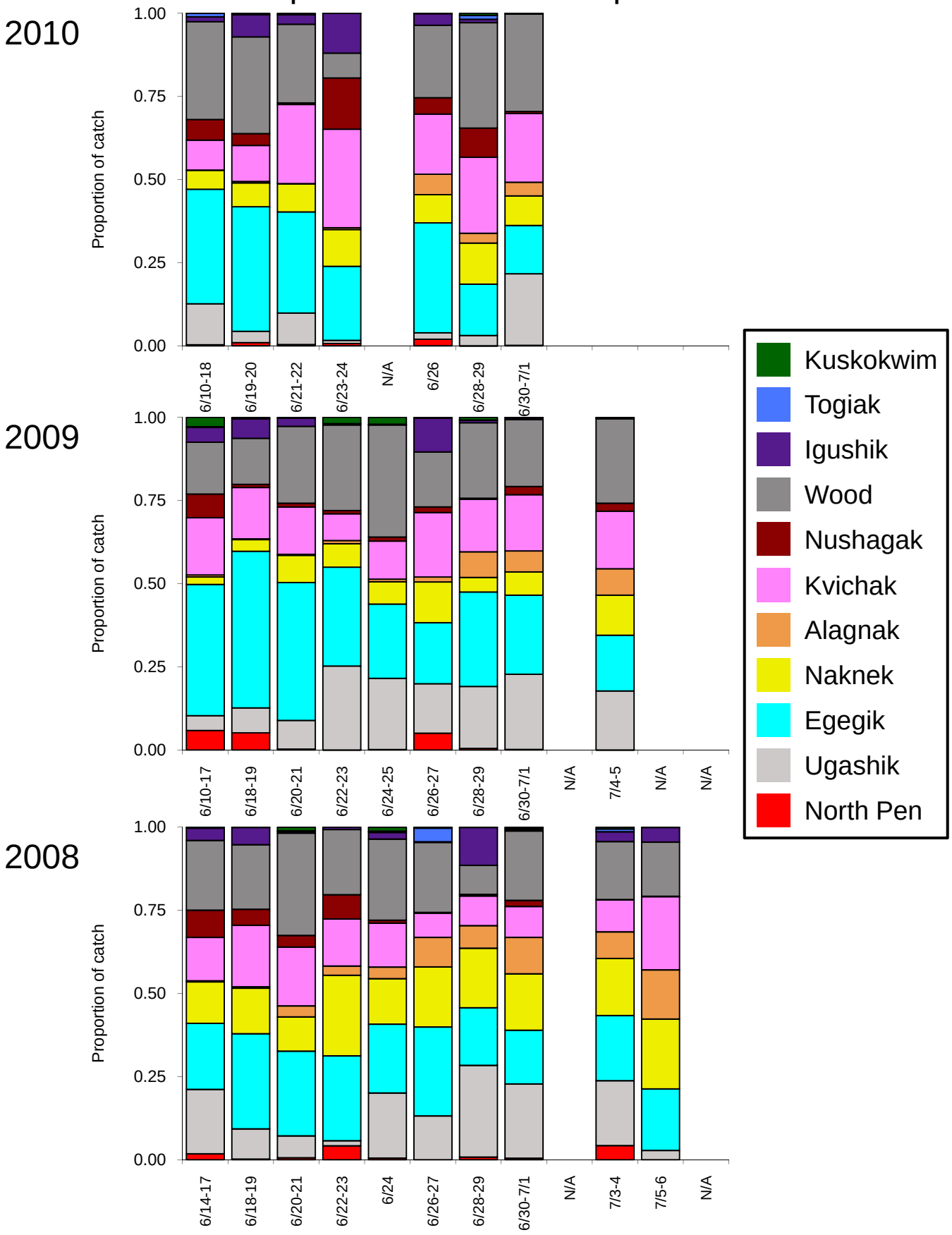
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.2% | 0.0% | 0.7% |
| Ugashik R. | 21.5% | 10.1% | 32.6% |
| Egegik R. | 14.5% | 7.3% | 24.8% |
| Naknek R. | 8.9% | 3.6% | 14.7% |
| Alagnak R. | 4.1% | 0.0% | 9.1% |
| Kvichak R. | 20.7% | 12.1% | 29.7% |
| Nushagak R. | 0.6% | 0.0% | 3.5% |
| Wood R. | 29.3% | 23.1% | 35.8% |
| Igushik R. | 0.1% | 0.0% | 0.2% |
| Togiak R. | 0.1% | 0.0% | 0.1% |
| Kuskokwim | 0.0% | 0.0% | 0.0% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 30-July 1, 2010 (All Stations).**

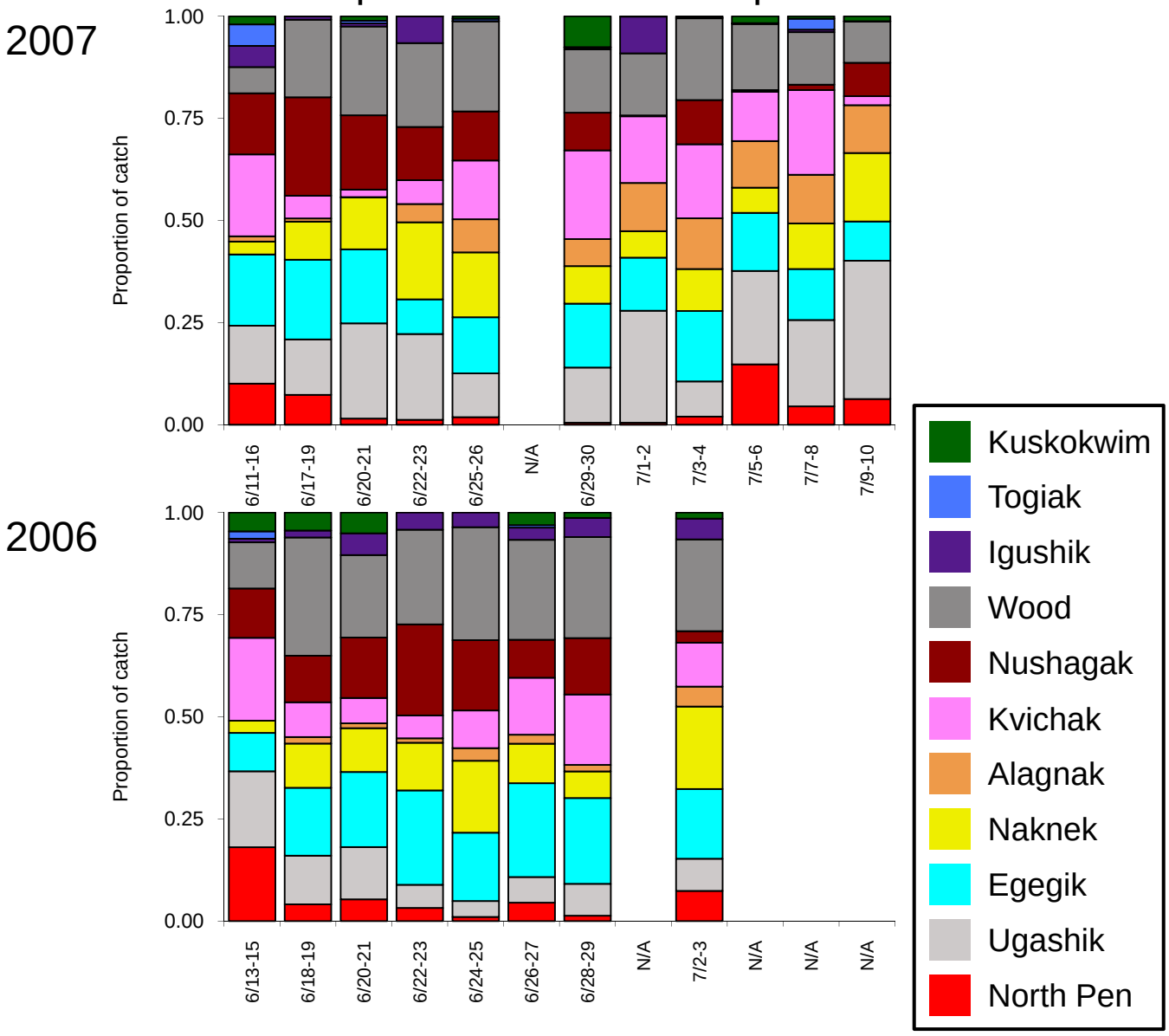



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates

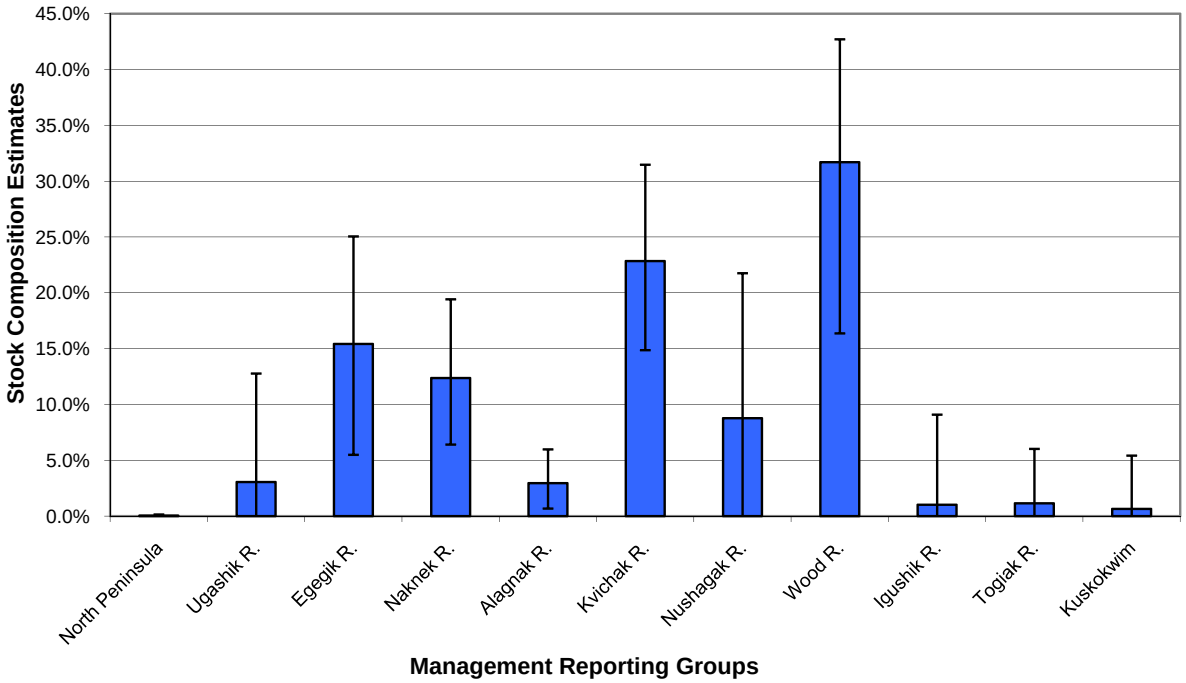


# Bristol Bay Salmon Fishery
## Port Moller Sockeye Salmon Stock Composition Summary
## June 28-29, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 28-29, 2010. A total of 261 fish were sampled and 190 were analyzed (188 had adequate data to include in the genetic analysis). **Note:** these estimates are based upon a complete sample size and are an update of the previously released estimates.

| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.0% | 0.0% | 0.2% |
| Ugashik R. | 3.1% | 0.0% | 12.8% |
| Egegik R. | 15.4% | 5.5% | 25.0% |
| Naknek R. | 12.4% | 6.4% | 19.4% |
| Alagnak R. | 3.0% | 0.7% | 6.0% |
| Kvichak R. | 22.8% | 14.9% | 31.5% |
| Nushagak R. | 8.8% | 0.0% | 21.8% |
| Wood R. | 31.7% | 16.4% | 42.7% |
| Igushik R. | 1.0% | 0.0% | 9.1% |
| Togiak R. | 1.2% | 0.0% | 6.0% |
| Kuskokwim | 0.7% | 0.0% | 5.4% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 28-29, 2010 (All Stations).**




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

# Bristol Bay Salmon Fishery

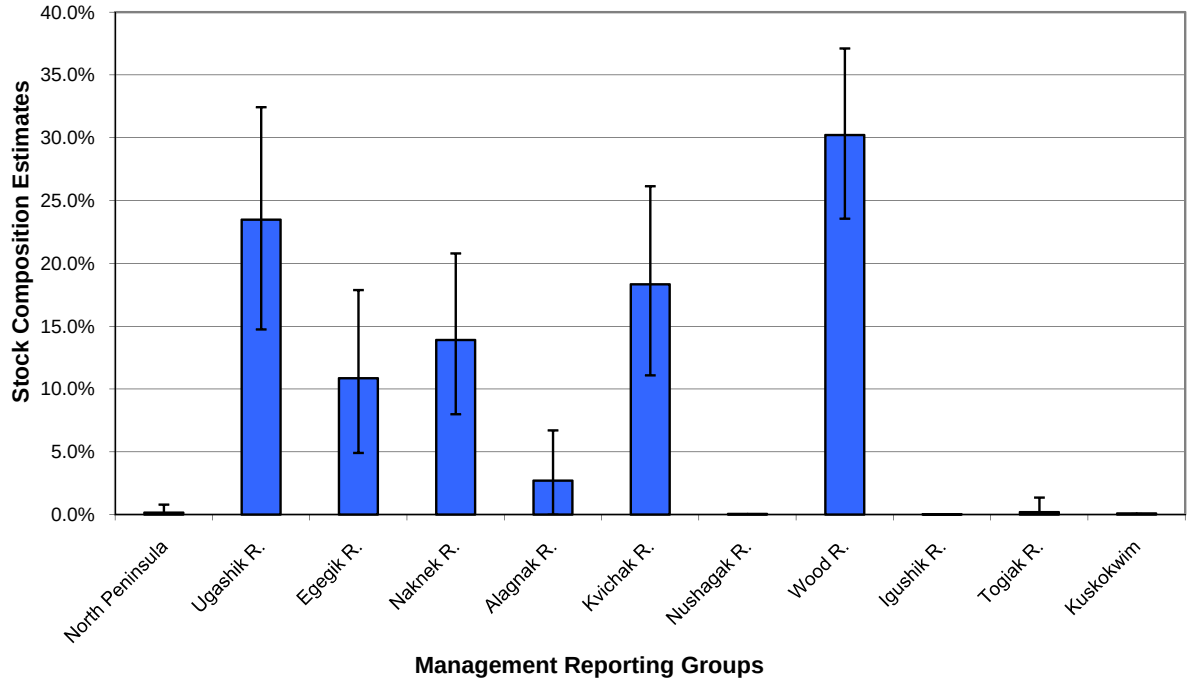
## Port Moller Sockeye Salmon Stock Composition Summary

## July 2-3, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 2-3, 2010. A total of 658 fish were sampled and 190 were analyzed (189 had adequate data to include in the genetic analysis).

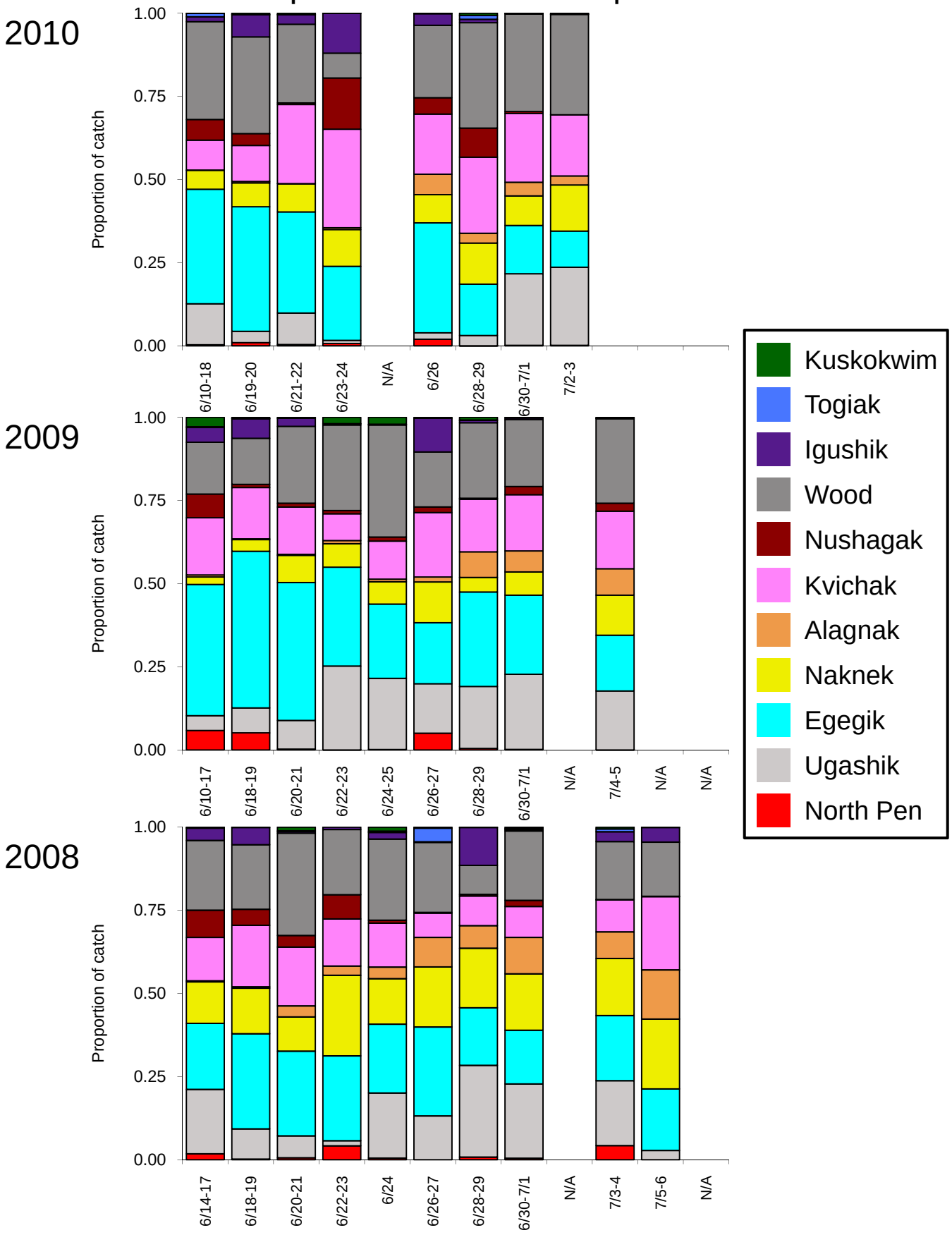
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.2% | 0.0% | 0.8% |
| Ugashik R. | 23.5% | 14.8% | 32.4% |
| Egegik R. | 10.8% | 4.9% | 17.9% |
| Naknek R. | 13.9% | 8.0% | 20.8% |
| Alagnak R. | 2.7% | 0.0% | 6.7% |
| Kvichak R. | 18.3% | 11.1% | 26.1% |
| Nushagak R. | 0.1% | 0.0% | 0.0% |
| Wood R. | 30.2% | 23.6% | 37.1% |
| Igushik R. | 0.0% | 0.0% | 0.0% |
| Togiak R. | 0.2% | 0.0% | 1.4% |
| Kuskokwim | 0.1% | 0.0% | 0.0% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, July 2-3, 2010 (All Stations).**

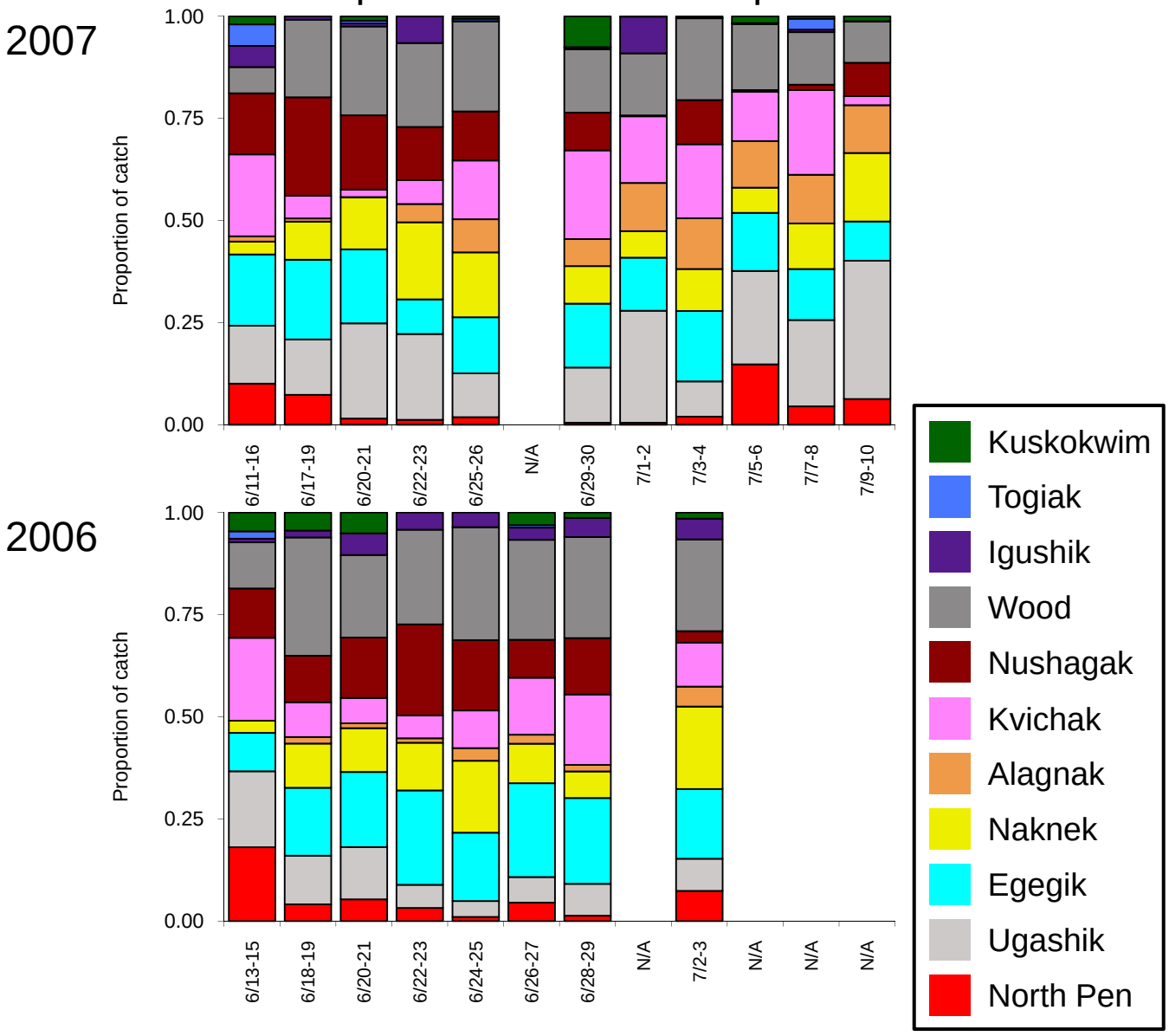



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates



# Bristol Bay Salmon Fishery

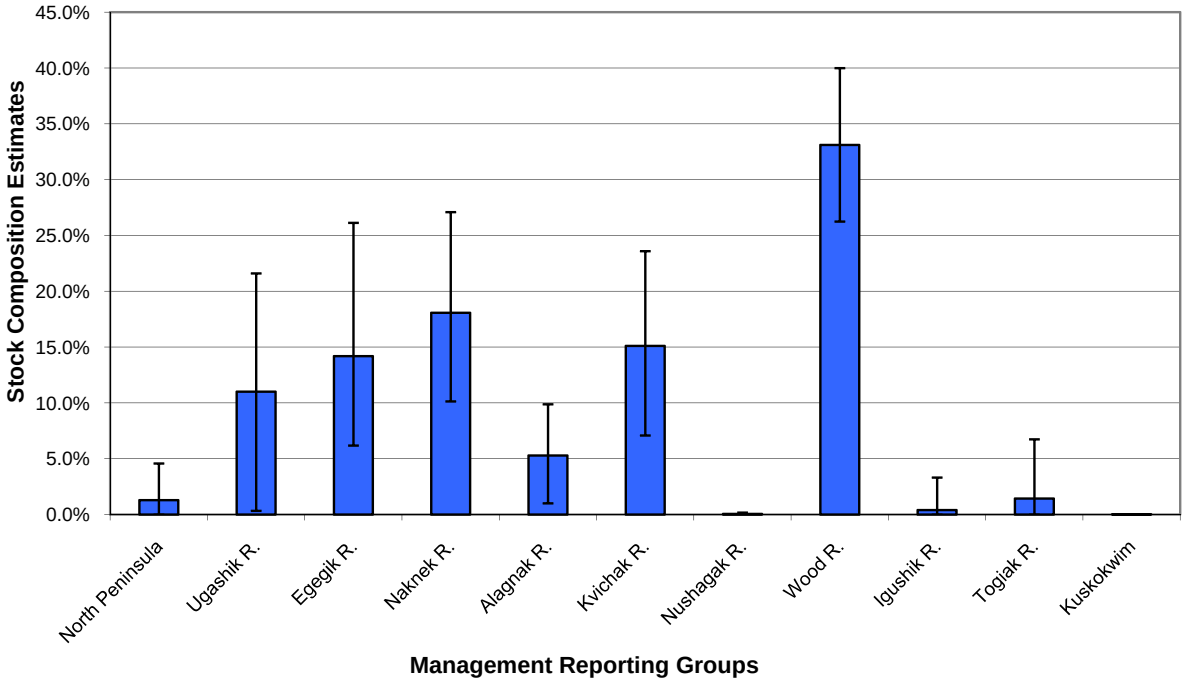
## Port Moller Sockeye Salmon Stock Composition Summary

## July 4-5, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 4-5, 2010. A total of 415 fish were sampled and 190 were analyzed (190 had adequate data to include in the genetic analysis).

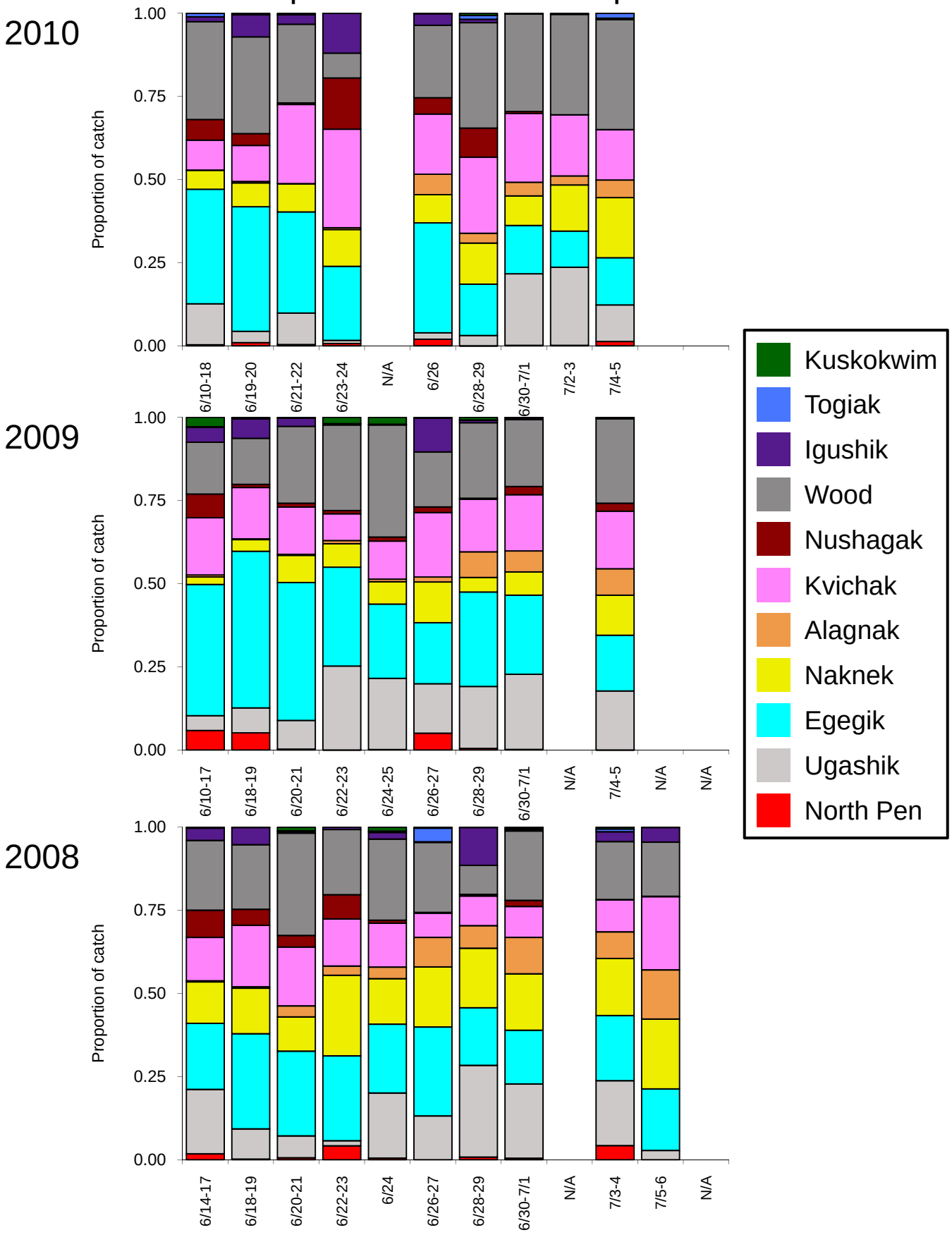
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 1.3% | 0.0% | 4.6% |
| Ugashik R. | 11.0% | 0.3% | 21.6% |
| Egegik R. | 14.2% | 6.2% | 26.1% |
| Naknek R. | 18.1% | 10.1% | 27.1% |
| Alagnak R. | 5.3% | 1.0% | 9.9% |
| Kvichak R. | 15.1% | 7.1% | 23.6% |
| Nushagak R. | 0.1% | 0.0% | 0.2% |
| Wood R. | 33.1% | 26.2% | 40.0% |
| Igushik R. | 0.4% | 0.0% | 3.3% |
| Togiak R. | 1.4% | 0.0% | 6.7% |
| Kuskokwim | 0.0% | 0.0% | 0.0% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, July 4-5, 2010 (All Stations).**

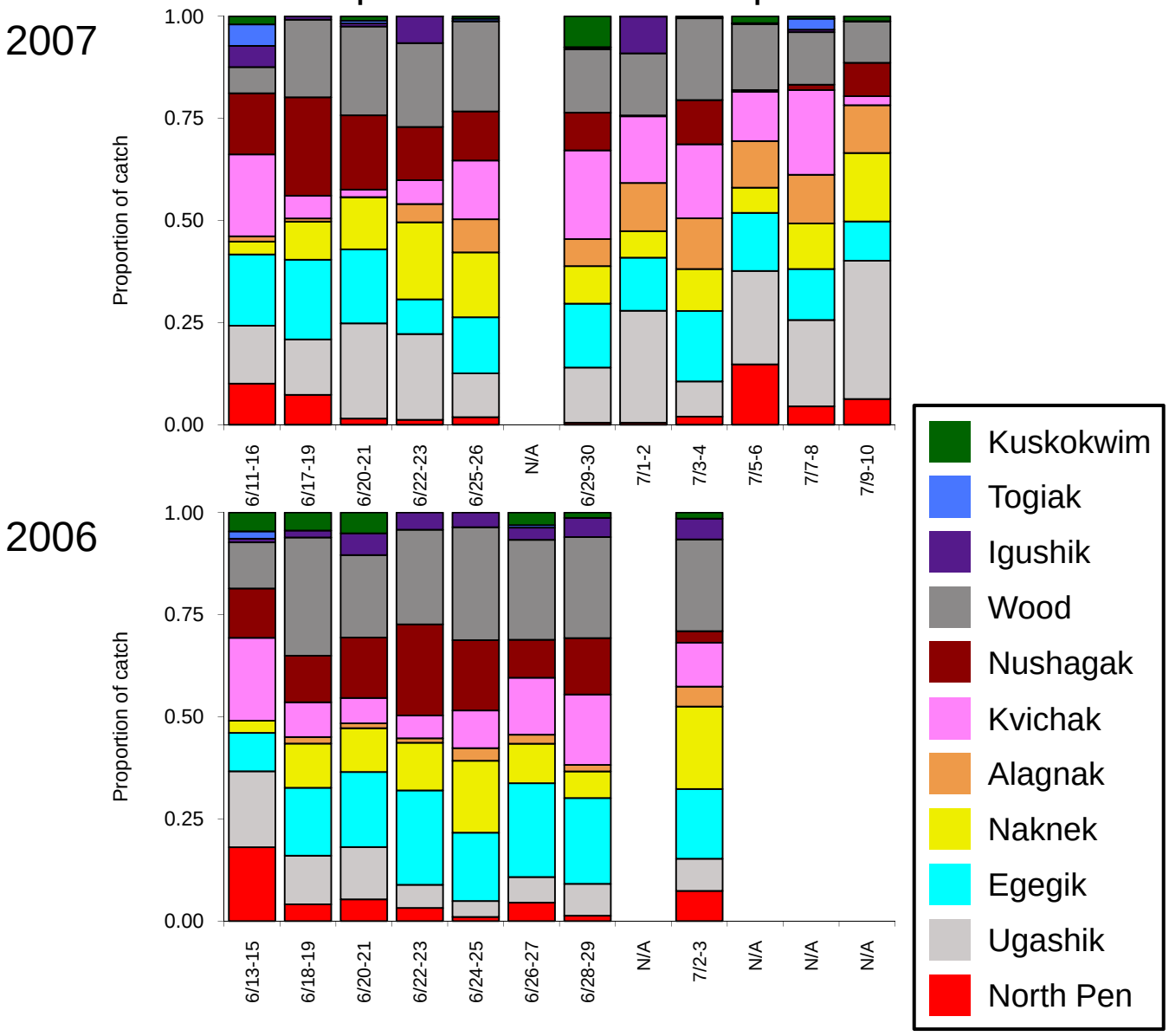



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates

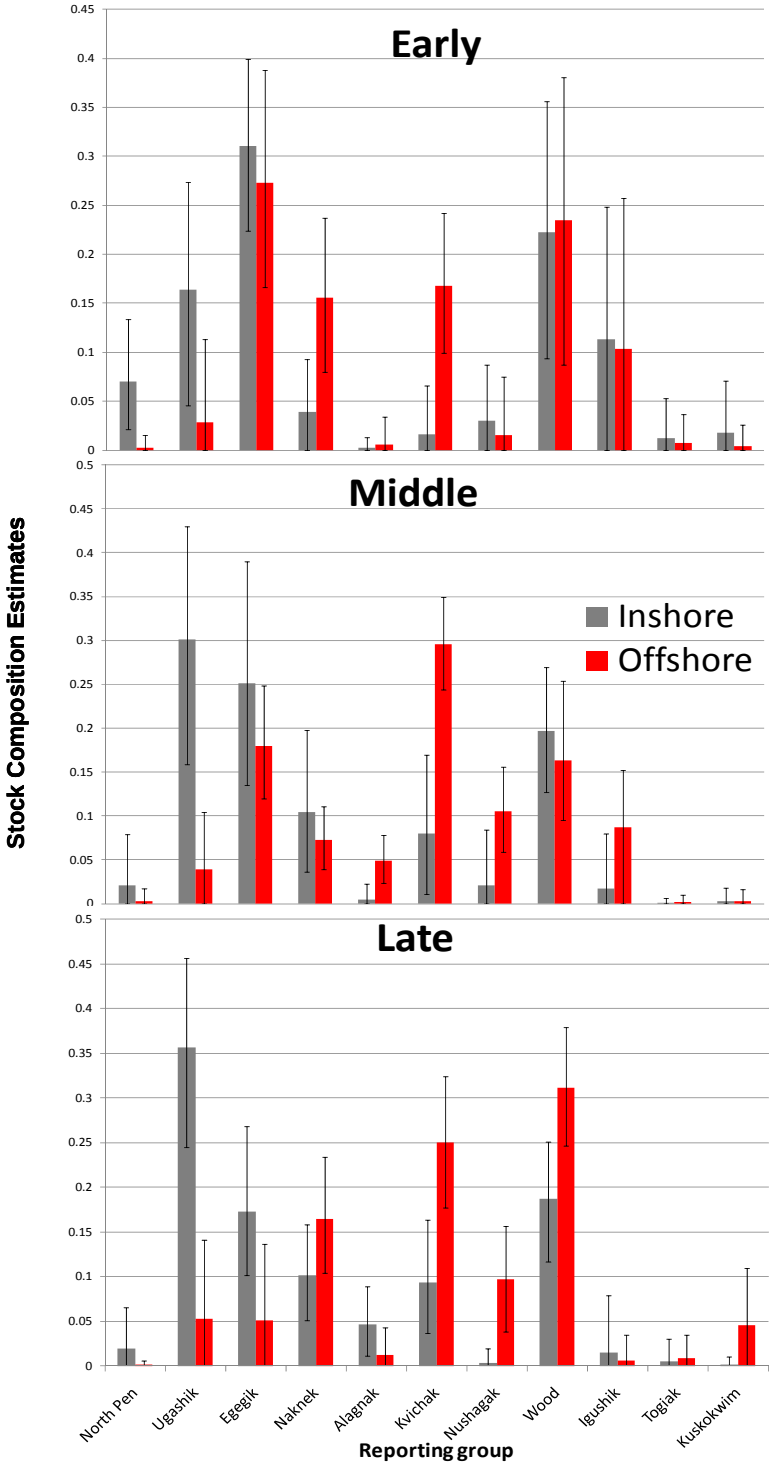


# Bristol Bay Salmon Fishery

## Port Moller Sockeye Salmon Stock Composition Summary

## June 10-July 3, 2010 - By Station and Period

Summary of stock composition estimates observed Inshore (Stations 2 and 4) and Offshore (Stations 6, 8 and 10) during Early (June 10-20), Middle (June 21-28) and Late (June 29-July 3) time periods to date. Note that the Middle and Late periods roughly correspond to the first and second peaks of sockeye catch in the test fishery.




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

# Bristol Bay Salmon Fishery

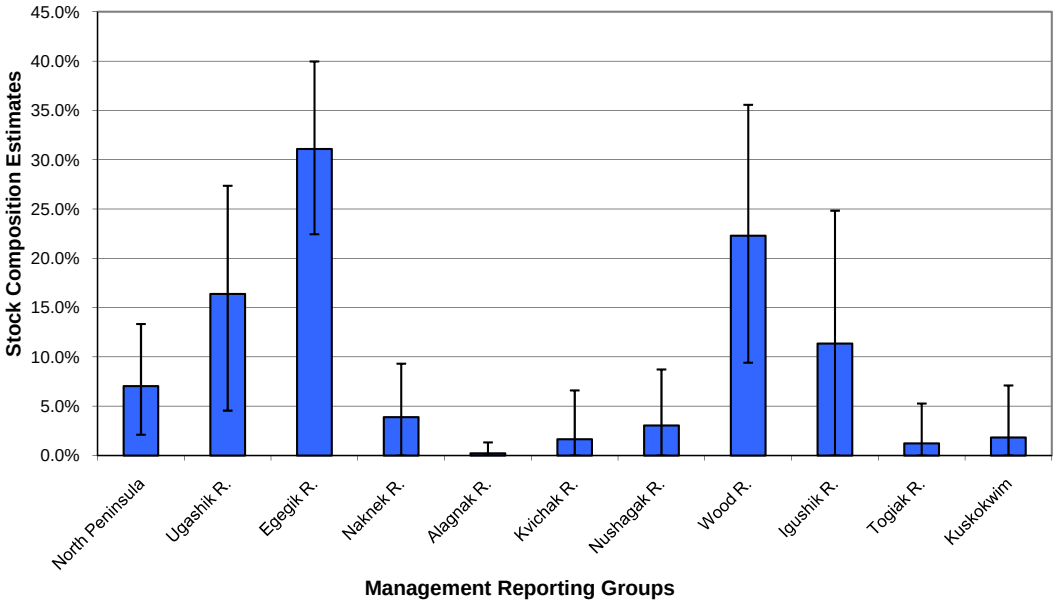
## Port Moller Sockeye Salmon Stock Composition Summary

## June 10-20, 2010 - Stations 2 and 4

Genetic stock composition estimates for sockeye salmon from Stations 2 and 4 of the Port Moller Test Fishery for June 10-20, 2010. A total of 281 fish were sampled and 186 were analyzed (186 had adequate data to include in the genetic analysis).

| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 7.0% | 2.1% | 13.3% |
| Ugashik R. | 16.4% | 4.6% | 27.4% |
| Egegik R. | 31.1% | 22.4% | 40.0% |
| Naknek R. | 3.9% | 0.0% | 9.3% |
| Alagnak R. | 0.2% | 0.0% | 1.3% |
| Kvichak R. | 1.6% | 0.0% | 6.6% |
| Nushagak R. | 3.0% | 0.0% | 8.7% |
| Wood R. | 22.3% | 9.4% | 35.6% |
| Igushik R. | 11.3% | 0.0% | 24.8% |
| Togiak R. | 1.2% | 0.0% | 5.3% |
| Kuskokwim | 1.8% | 0.0% | 7.1% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 10-20, 2010 (Stations 2 and 4).**




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

# Bristol Bay Salmon Fishery

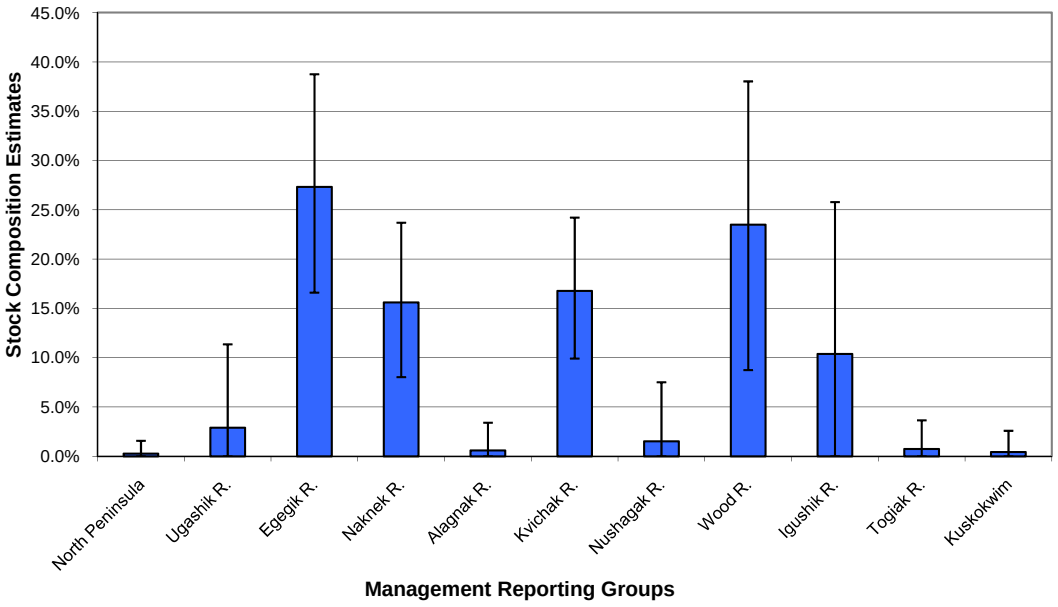
## Port Moller Sockeye Salmon Stock Composition Summary

## June 10-20, 2010 - Stations 6, 8 and 10

Genetic stock composition estimates for sockeye salmon from Stations 6, 8 and 10 of the Port Moller Test Fishery for June 10-20, 2010. A total of 273 fish were sampled and 194 were analyzed (194 had adequate data to include in the genetic analysis).

| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.3% | 0.0% | 1.6% |
| Ugashik R. | 2.9% | 0.0% | 11.4% |
| Egegik R. | 27.3% | 16.6% | 38.8% |
| Naknek R. | 15.6% | 8.0% | 23.7% |
| Alagnak R. | 0.6% | 0.0% | 3.4% |
| Kvichak R. | 16.8% | 9.9% | 24.2% |
| Nushagak R. | 1.5% | 0.0% | 7.5% |
| Wood R. | 23.5% | 8.8% | 38.0% |
| Igushik R. | 10.4% | 0.0% | 25.8% |
| Togiak R. | 0.7% | 0.0% | 3.7% |
| Kuskokwim | 0.4% | 0.0% | 2.6% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 10-20, 2010 (Stations 6, 8 and 10).**




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

# Bristol Bay Salmon Fishery

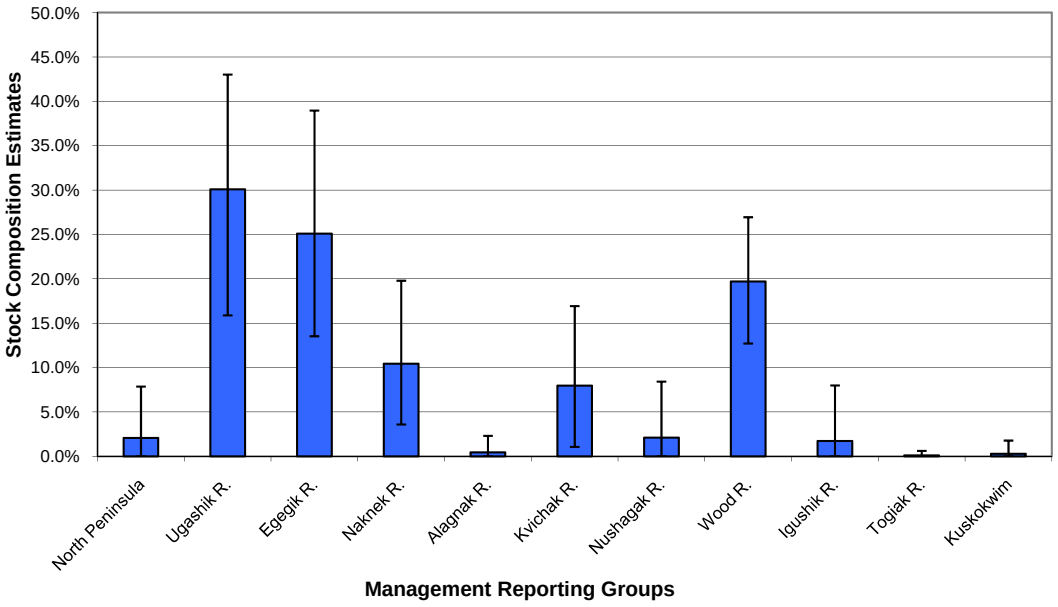
## Port Moller Sockeye Salmon Stock Composition Summary

## June 21-28, 2010 - Stations 2 and 4

Genetic stock composition estimates for sockeye salmon from Stations 2 and 4 of the Port Moller Test Fishery for June 21-28, 2010. A total of 296 fish were sampled and 179 were analyzed (179 had adequate data to include in the genetic analysis).

| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 2.1% | 0.0% | 7.9% |
| Ugashik R. | 30.1% | 15.9% | 43.0% |
| Egegik R. | 25.1% | 13.5% | 39.0% |
| Naknek R. | 10.4% | 3.6% | 19.8% |
| Alagnak R. | 0.4% | 0.0% | 2.3% |
| Kvichak R. | 8.0% | 1.1% | 16.9% |
| Nushagak R. | 2.1% | 0.0% | 8.4% |
| Wood R. | 19.7% | 12.7% | 26.9% |
| Igushik R. | 1.7% | 0.0% | 8.0% |
| Togiak R. | 0.1% | 0.0% | 0.6% |
| Kuskokwim | 0.3% | 0.0% | 1.8% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 21-28, 2010 (Stations 2 and 4).**




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

# Bristol Bay Salmon Fishery

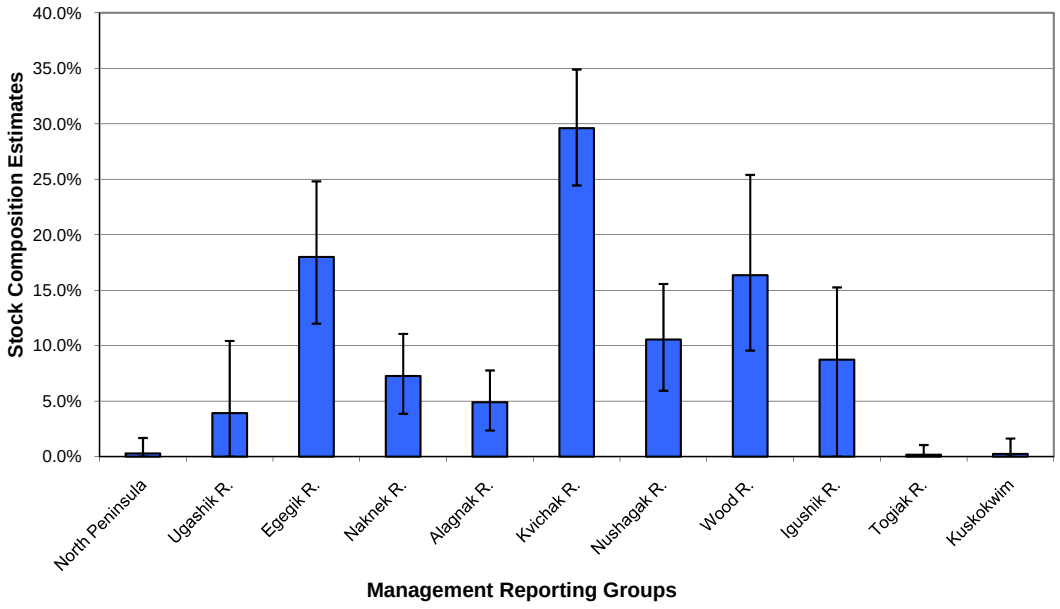
## Port Moller Sockeye Salmon Stock Composition Summary

## June 21-28, 2010 - Stations 6, 8 and 10

Genetic stock composition estimates for sockeye salmon from Stations 6, 8 and 10 of the Port Moller Test Fishery for June 21-28, 2010. A total of 1,074 fish were sampled and 458 were analyzed (455 had adequate data to include in the genetic analysis).

| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.3% | 0.0% | 1.7% |
| Ugashik R. | 3.9% | 0.0% | 10.4% |
| Egegik R. | 18.0% | 12.0% | 24.8% |
| Naknek R. | 7.3% | 3.9% | 11.1% |
| Alagnak R. | 4.9% | 2.4% | 7.8% |
| Kvichak R. | 29.6% | 24.4% | 34.9% |
| Nushagak R. | 10.5% | 5.9% | 15.6% |
| Wood R. | 16.4% | 9.6% | 25.4% |
| Igushik R. | 8.7% | 0.0% | 15.3% |
| Togiak R. | 0.2% | 0.0% | 1.0% |
| Kuskokwim | 0.2% | 0.0% | 1.6% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 21-28, 2010 (Stations 6, 8 and 10).**




Laboratory.

# Bristol Bay Salmon Fishery

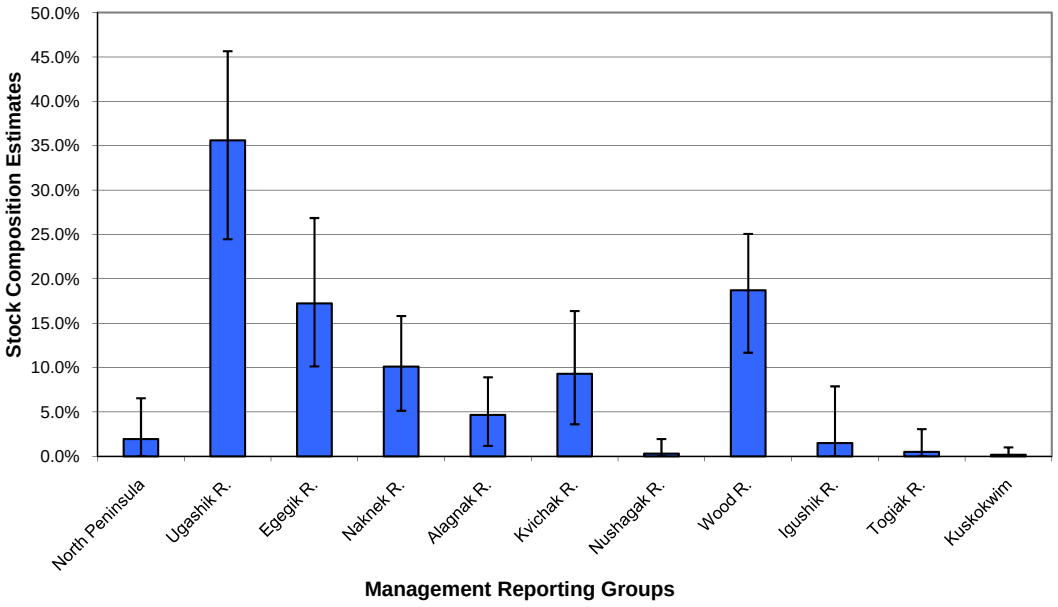
## Port Moller Sockeye Salmon Stock Composition Summary

## June 29-July 3, 2010 - Stations 2 and 4

Genetic stock composition estimates for sockeye salmon from Stations 2 and 4 of the Port Moller Test Fishery for June 29-July 3, 2010. A total of 642 fish were sampled and 215 were analyzed (214 had adequate data to include in the genetic analysis).

| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 1.9% | 0.0% | 6.5% |
| Ugashik R. | 35.6% | 24.5% | 45.7% |
| Egegik R. | 17.2% | 10.1% | 26.9% |
| Naknek R. | 10.1% | 5.1% | 15.8% |
| Alagnak R. | 4.7% | 1.2% | 8.9% |
| Kvichak R. | 9.3% | 3.6% | 16.4% |
| Nushagak R. | 0.3% | 0.0% | 2.0% |
| Wood R. | 18.7% | 11.7% | 25.1% |
| Igushik R. | 1.5% | 0.0% | 7.9% |
| Togiak R. | 0.5% | 0.0% | 3.1% |
| Kuskokwim | 0.2% | 0.0% | 1.0% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 29-July 3, 2010 (Stations 2 and 4).**




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

# Bristol Bay Salmon Fishery

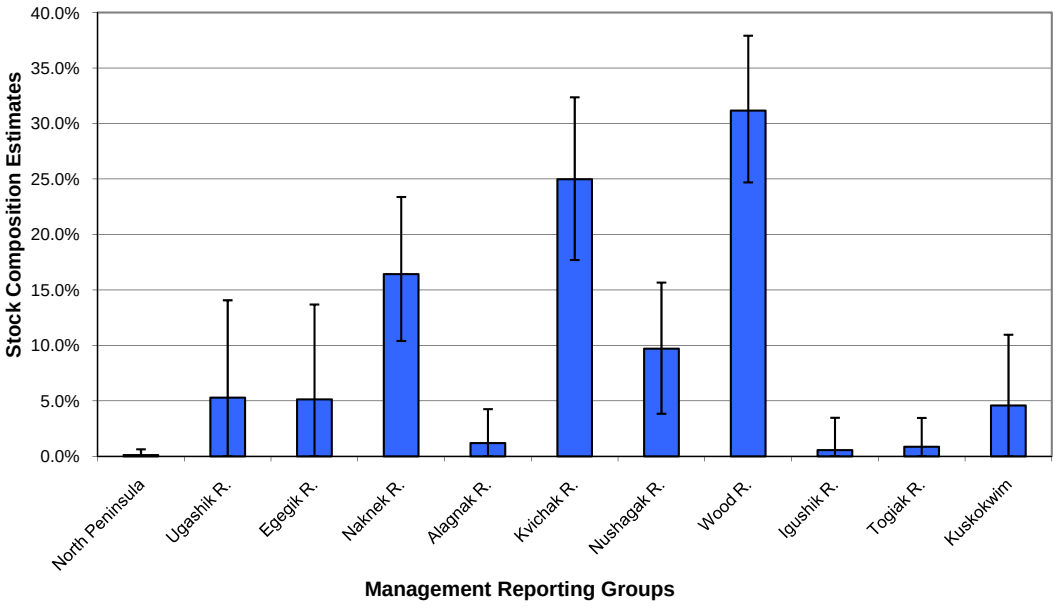
## Port Moller Sockeye Salmon Stock Composition Summary

## June 29-July 3, 2010 - Stations 6, 8 and 10

Genetic stock composition estimates for sockeye salmon from Stations 6, 8 and 10 of the Port Moller Test Fishery for June 29-July 3, 2010. A total of 815 fish were sampled and 251 were analyzed (250 had adequate data to include in the genetic analysis).

| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 0.1% | 0.0% | 0.6% |
| Ugashik R. | 5.3% | 0.0% | 14.1% |
| Egegik R. | 5.1% | 0.0% | 13.7% |
| Naknek R. | 16.4% | 10.4% | 23.4% |
| Alagnak R. | 1.2% | 0.0% | 4.3% |
| Kvichak R. | 25.0% | 17.7% | 32.4% |
| Nushagak R. | 9.7% | 3.8% | 15.7% |
| Wood R. | 31.2% | 24.7% | 37.9% |
| Igushik R. | 0.6% | 0.0% | 3.5% |
| Togiak R. | 0.9% | 0.0% | 3.5% |
| Kuskokwim | 4.6% | 0.0% | 11.0% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, June 29-July 3, 2010 (Stations 6, 8 and 10).**




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

# Bristol Bay Salmon Fishery

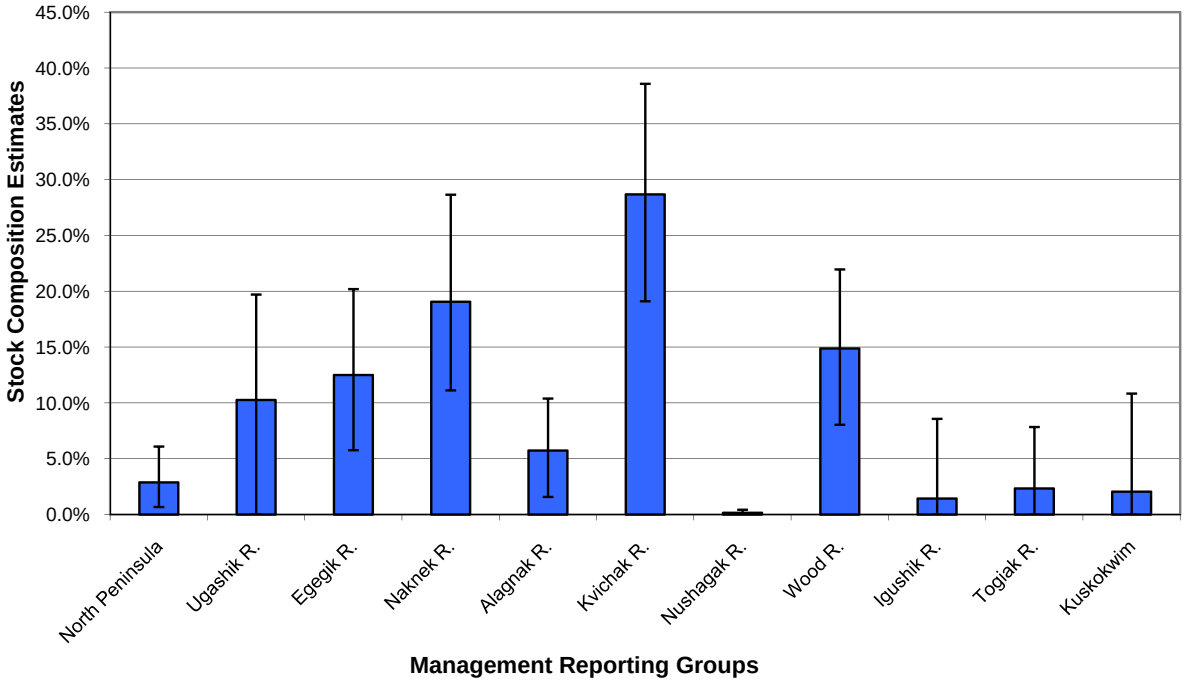
## Port Moller Sockeye Salmon Stock Composition Summary

## July 6-7, 2010 - All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 6-7, 2010. A total of 403 fish were sampled and 190 were analyzed (189 had adequate data to include in the genetic analysis).

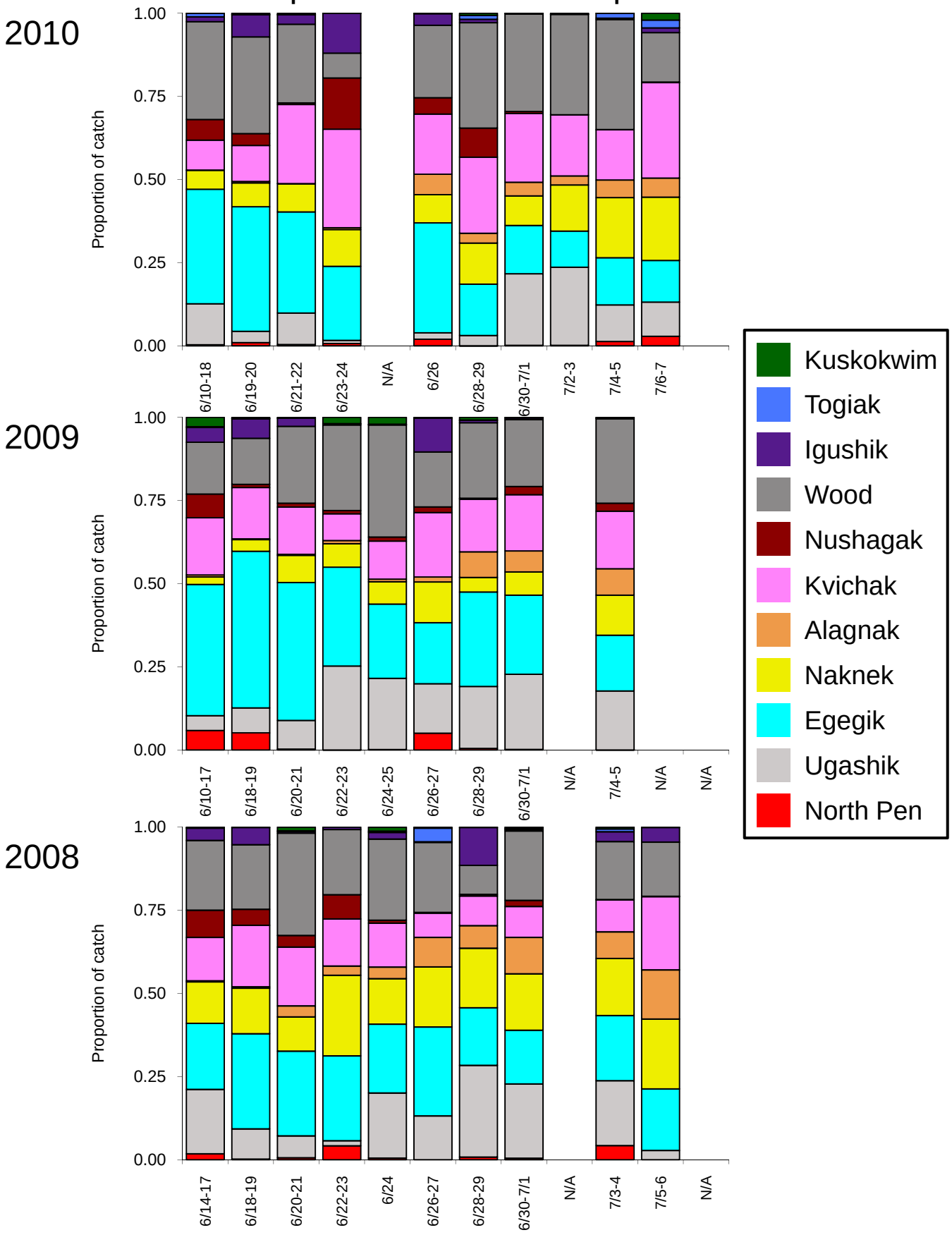
| Management Reporting Group | Stock Composition Estimate | 90% Confidence Intervals Lower | Upper |
|---|---|---|---|
| North Peninsula | 2.9% | 0.7% | 6.1% |
| Ugashik R. | 10.3% | 0.0% | 19.7% |
| Egegik R. | 12.5% | 5.8% | 20.2% |
| Naknek R. | 19.1% | 11.1% | 28.6% |
| Alagnak R. | 5.7% | 1.6% | 10.4% |
| Kvichak R. | 28.7% | 19.1% | 38.6% |
| Nushagak R. | 0.2% | 0.0% | 0.4% |
| Wood R. | 14.9% | 8.1% | 22.0% |
| Igushik R. | 1.4% | 0.0% | 8.6% |
| Togiak R. | 2.3% | 0.0% | 7.8% |
| Kuskokwim | 2.0% | 0.0% | 10.8% |

**Genetic Stock Composition Estimates for Sockeye Salmon at the Port Moller Test Fishery, July 6-7, 2010 (All Stations).**

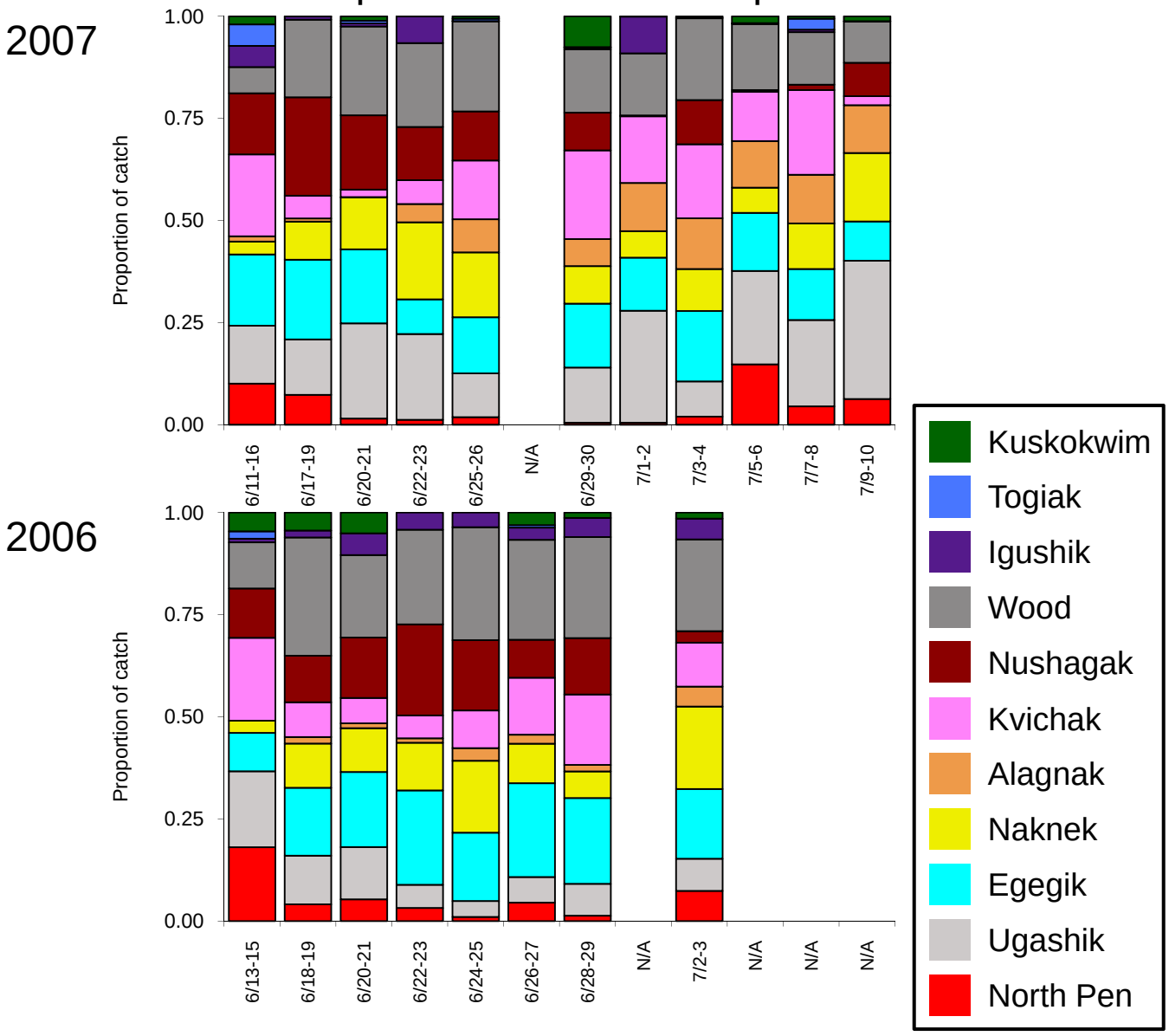



The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Historical Comparison of Stock Composition Estimates



# Historical Comparison of Stock Composition Estimates



# In-Season Age Composition Summary for Port Moller and Bristol Bay, 2010

Port Moller 2010

## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jun 22, 2010 8:07:24 AM**

Last time Escapement Data downloaded: 06/21/2010 09:20:31 AM
Last time Harvest Data downloaded: 06/21/2010 09:20:38 AM

| Period | Start | End | Sample | Index | Age Composition 12 | 13 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|
| **Species: Sockeye** | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | |
| 1 | 06/10/2010 | 06/10/2010 | 1 | 2 | 0 | 0 | 0 | 100.0 |
| 2 | 06/11/2010 | 06/11/2010 | 20 | 14 | 5.0 | 45.0 | 30.0 | 20.0 |
| 3 | 06/14/2010 | 06/14/2010 | 18 | 25 | 16.7 | 66.7 | 11.1 | 5.6 |
| 4 | 06/15/2010 | 06/15/2010 | 5 | 15 | 40.0 | 20.0 | 40.0 | 0 |
| 5 | 06/17/2010 | 06/17/2010 | 16 | 12 | 43.8 | 31.2 | 6.2 | 18.8 |
| 6 | 06/18/2010 | 06/18/2010 | 65 | 60 | 32.3 | 55.4 | 7.7 | 4.6 |
| ***Sampling Group Total*** | | | ***125*** | ***128*** | ***27.7*** | ***49.2*** | ***14.3*** | ***8.8*** |
| ***Sampling Group Forecast*** | | | | | ***29.0*** | ***39.0*** | ***16.0*** | ***15.0*** |
| **District Total** | | | **125** | **128** | **27.7** | **49.2** | **14.3** | **8.8** |
| **Species Total (non-test fishing)** | | | **0** | **0** | | | | |

Port Moller 2010

## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jun 24, 2010 6:49:26 AM**

Last time Escapement Data downloaded: 06/23/2010 01:26:00 PM
Last time Harvest Data downloaded: 06/23/2010 01:26:10 PM

| | | | | | | Age Composition | | | |
|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 04 | 12 | 13 | 22 | 23 |
| **Species: Sockeye** | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | |
| 1 | 06/10/2010 | 06/10/2010 | 1 | 2 | 0 | 0 | 0 | 0 | 100.0 |
| 2 | 06/11/2010 | 06/11/2010 | 20 | 14 | 0 | 5.0 | 45.0 | 30.0 | 20.0 |
| 3 | 06/14/2010 | 06/14/2010 | 18 | 25 | 0 | 16.7 | 66.7 | 11.1 | 5.6 |
| 4 | 06/15/2010 | 06/15/2010 | 5 | 15 | 0 | 40.0 | 20.0 | 40.0 | 0 |
| 5 | 06/17/2010 | 06/17/2010 | 16 | 12 | 0 | 43.8 | 31.2 | 6.2 | 18.8 |
| 6 | 06/18/2010 | 06/18/2010 | 65 | 60 | 0 | 32.3 | 55.4 | 7.7 | 4.6 |
| 7 | 06/19/2010 | 06/19/2010 | 0 | 35 | 0 | 0 | 0 | 0 | 0 |
| 8 | 06/20/2010 | 06/20/2010 | 0 | 88 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***125*** | ***251*** | ***0*** | ***27.7*** | ***49.2*** | ***14.3*** | ***8.8*** |
| ***Sampling Group Forecast*** | | | | | | ***29.0*** | ***39.0*** | ***16.0*** | ***15.0*** |
| **District Total** | | | **125** | **251** | **0** | **27.7** | **49.2** | **14.3** | **8.8** |
| **District: 321 - Ugashik District** | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | |
| 1 | 06/14/2010 | 06/18/2010 | 177 | 8,160 | 0 | 13.0 | 55.4 | 18.1 | 13.6 |
| 2 | 06/22/2010 | 06/23/2010 | 91 | 0 | 0 | 14.3 | 49.5 | 16.5 | 19.8 |
| ***Sampling Group Total*** | | | ***268*** | ***8,160*** | ***0*** | ***13.0*** | ***55.4*** | ***18.1*** | ***13.6*** |
| ***Sampling Group Forecast*** | | | | | | ***51.0*** | ***30.0*** | ***10.0*** | ***10.0*** |
| **District Total** | | | **268** | **8,160** | **0** | **13.0** | **55.4** | **18.1** | **13.6** |
| **District: 322 - Egegik District** | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 48,211 | 0 | 10.5 | 19.7 | 48.0 | 21.7 |
| 2 | 06/20/2010 | 06/21/2010 | 162 | 73,314 | 0 | 16.0 | 25.3 | 39.5 | 19.1 |
| ***Sampling Group Total*** | | | ***314*** | ***121,525*** | ***0*** | ***13.9*** | ***23.1*** | ***42.9*** | ***20.2*** |
| ***Sampling Group Forecast*** | | | | | | ***13.0*** | ***13.0*** | ***38.0*** | ***37.0*** |
| **District Total** | | | **314** | **121,525** | **0** | **13.9** | **23.1** | **42.9** | **20.2** |
| **District: 324 - Naknek-Kvichak District** | | | | | | | | | |
| ***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)*** | | | | | | | | | |

Port Moller 2010

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/15/2010 | 06/21/2010 | 403 | 25,691 | 0 | 26.3 | 48.6 | 12.4 | 12.7 |
| | ***Sampling Group Total*** | | ***403*** | ***25,691*** | ***0*** | ***26.3*** | ***48.6*** | ***12.4*** | ***12.7*** |
| | ***Sampling Group Forecast*** | | | | | ***30.0*** | ***46.0*** | ***12.0*** | ***12.0*** |
| **District Total** | | | **403** | **25,691** | **0** | **26.3** | **48.6** | **12.4** | **12.7** |
| **District: 325 - Nushagak District** | | | | | | | | | |
| ***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)*** | | | | | | | | | |
| 1 | 06/10/2010 | 06/25/2010 | 78 | 267 | 2.6 | 60.3 | 37.2 | 0 | 0 |
| | ***Sampling Group Total*** | | ***78*** | ***267*** | ***2.6*** | ***60.3*** | ***37.2*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***38.0*** | ***57.0*** | ***2.0*** | ***1.0*** |
| ***Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement)*** | | | | | | | | | |
| 1 | 06/06/2010 | 06/28/2010 | 1 | 4,633 | 0 | 100.0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***1*** | ***4,633*** | ***0*** | ***100.0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***13.0*** | ***80.0*** | ***0.0*** | ***1.0*** |
| **District Total** | | | **79** | **4,900** | **0.1** | **97.8** | **2.0** | **0** | **0** |
| **Species Total (non-test fishing)** | | | **1,064** | **160,276** | **0.0** | **18.4** | **28.2** | **35.4** | **18.0** |

Port Moller 2010

## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jun 25, 2010 7:04:51 AM**

Last time Escapement Data downloaded: 06/25/2010 07:01:23 AM
Last time Harvest Data downloaded: 06/25/2010 07:01:32 AM

| | | | | | | Age Composition | | | |
|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 04 | 12 | 13 | 22 | 23 |
| **Species: Sockeye** | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | |
| 1 | 06/10/2010 | 06/10/2010 | 1 | 2 | 0 | 0 | 0 | 0 | 100.0 |
| 2 | 06/11/2010 | 06/11/2010 | 20 | 14 | 0 | 5.0 | 45.0 | 30.0 | 20.0 |
| 3 | 06/14/2010 | 06/14/2010 | 18 | 25 | 0 | 16.7 | 66.7 | 11.1 | 5.6 |
| 4 | 06/15/2010 | 06/15/2010 | 5 | 15 | 0 | 40.0 | 20.0 | 40.0 | 0 |
| 5 | 06/17/2010 | 06/17/2010 | 16 | 12 | 0 | 43.8 | 31.2 | 6.2 | 18.8 |
| 6 | 06/18/2010 | 06/18/2010 | 65 | 60 | 0 | 32.3 | 55.4 | 7.7 | 4.6 |
| 7 | 06/19/2010 | 06/19/2010 | 58 | 35 | 0 | 17.2 | 46.6 | 24.1 | 12.1 |
| 8 | 06/20/2010 | 06/20/2010 | 130 | 88 | 0 | 28.5 | 54.6 | 10.8 | 6.2 |
| 9 | 06/21/2010 | 06/21/2010 | 175 | 139 | 0 | 19.4 | 54.9 | 16.6 | 9.1 |
| 10 | 06/22/2010 | 06/22/2010 | 317 | 186 | 0 | 35.3 | 46.1 | 12.0 | 6.6 |
| ***Sampling Group Total*** | | | ***805*** | ***576*** | ***0*** | ***27.7*** | ***50.2*** | ***14.2*** | ***8.0*** |
| ***Sampling Group Forecast*** | | | | | | ***29.0*** | ***39.0*** | ***16.0*** | ***15.0*** |
| **District Total** | | | **805** | **576** | **0** | **27.7** | **50.2** | **14.2** | **8.0** |
| **District: 321 - Ugashik District** | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | |
| 1 | 06/14/2010 | 06/18/2010 | 177 | 8,160 | 0 | 13.0 | 55.4 | 18.1 | 13.6 |
| 2 | 06/19/2010 | 06/21/2010 | 91 | 11,879 | 0 | 14.3 | 49.5 | 16.5 | 19.8 |
| ***Sampling Group Total*** | | | ***268*** | ***20,039*** | ***0*** | ***13.8*** | ***51.9*** | ***17.1*** | ***17.2*** |
| ***Sampling Group Forecast*** | | | | | | ***51.0*** | ***30.0*** | ***10.0*** | ***10.0*** |
| **District Total** | | | **268** | **20,039** | **0** | **13.8** | **51.9** | **17.1** | **17.2** |
| **District: 322 - Egegik District** | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 48,211 | 0 | 10.5 | 19.7 | 48.0 | 21.7 |
| 2 | 06/20/2010 | 06/21/2010 | 162 | 73,314 | 0 | 16.0 | 25.3 | 39.5 | 19.1 |
| ***Sampling Group Total*** | | | ***314*** | ***121,525*** | ***0*** | ***13.9*** | ***23.1*** | ***42.9*** | ***20.2*** |
| ***Sampling Group Forecast*** | | | | | | ***13.0*** | ***13.0*** | ***38.0*** | ***37.0*** |
| **District Total** | | | **314** | **121,525** | **0** | **13.9** | **23.1** | **42.9** | **20.2** |
| **District: 324 - Naknek-Kvichak District** | | | | | | | | | |

Port Moller 2010

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)*** | | | | | | | | |
| 1 | 06/15/2010 | 06/22/2010 | 403 | 62,197 | 0 | 26.3 | 48.6 | 12.4 | 12.7 |
| ***Sampling Group Total*** | | | ***403*** | ***62,197*** | ***0*** | ***26.3*** | ***48.6*** | ***12.4*** | ***12.7*** |
| ***Sampling Group Forecast*** | | | | | | ***30.0*** | ***46.0*** | ***12.0*** | ***12.0*** |
| **District Total** | | | **403** | **62,197** | **0** | **26.3** | **48.6** | **12.4** | **12.7** |
| **District: 325 - Nushagak District** | | | | | | | | | |
| ***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)*** | | | | | | | | | |
| 1 | 06/10/2010 | 06/25/2010 | 78 | 270 | 2.6 | 60.3 | 37.2 | 0 | 0 |
| ***Sampling Group Total*** | | | ***78*** | ***270*** | ***2.6*** | ***60.3*** | ***37.2*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | ***38.0*** | ***57.0*** | ***2.0*** | ***1.0*** |
| **District Total** | | | **78** | **270** | **2.6** | **60.3** | **37.2** | **0** | **0** |
| **Species Total (non-test fishing)** | | | **1,063** | **204,031** | **0.0** | **17.7** | **33.7** | **31.0** | **17.6** |

Port Moller 2010

## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jun 27, 2010 7:21:52 AM**

Last time Escapement Data downloaded: 06/27/2010 07:21:24 AM
Last time Harvest Data downloaded: 06/27/2010 07:21:42 AM

| | | | | | Age Composition | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 04 | 11 | 12 | 13 | 14 | 21 | 22 | 23 | 24 |
| **Species: Sockeye** | | | | | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/10/2010 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0 | 0 |
| 2 | 06/11/2010 | 06/11/2010 | 20 | 14 | 0 | 0 | 5.0 | 45.0 | 0 | 0 | 30.0 | 20.0 | 0 |
| 3 | 06/14/2010 | 06/14/2010 | 18 | 25 | 0 | 0 | 16.7 | 66.7 | 0 | 0 | 11.1 | 5.6 | 0 |
| 4 | 06/15/2010 | 06/15/2010 | 5 | 15 | 0 | 0 | 40.0 | 20.0 | 0 | 0 | 40.0 | 0 | 0 |
| 5 | 06/17/2010 | 06/17/2010 | 16 | 12 | 0 | 0 | 43.8 | 31.2 | 0 | 0 | 6.2 | 18.8 | 0 |
| 6 | 06/18/2010 | 06/18/2010 | 65 | 60 | 0 | 0 | 32.3 | 55.4 | 0 | 0 | 7.7 | 4.6 | 0 |
| 7 | 06/19/2010 | 06/19/2010 | 58 | 35 | 0 | 0 | 17.2 | 46.6 | 0 | 0 | 24.1 | 12.1 | 0 |
| 8 | 06/20/2010 | 06/20/2010 | 130 | 88 | 0 | 0 | 28.5 | 54.6 | 0 | 0 | 10.8 | 6.2 | 0 |
| 9 | 06/21/2010 | 06/21/2010 | 175 | 139 | 0 | 0 | 19.4 | 54.9 | 0 | 0 | 16.6 | 9.1 | 0 |
| 10 | 06/22/2010 | 06/22/2010 | 317 | 186 | 0 | 0 | 35.3 | 46.1 | 0 | 0 | 12.0 | 6.6 | 0 |
| 11 | 06/23/2010 | 06/23/2010 | 219 | 121 | 0 | 0 | 21.9 | 49.8 | 0 | 0 | 19.6 | 8.7 | 0 |
| 12 | 06/24/2010 | 06/24/2010 | 221 | 112 | 0 | 0 | 24.9 | 44.8 | 0.9 | 0 | 17.6 | 11.8 | 0 |
| ***Sampling Group Total*** | | | ***1,245*** | ***809*** | ***0*** | ***0*** | ***26.4*** | ***49.4*** | ***0.1*** | ***0*** | ***15.5*** | ***8.6*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | ***29.0*** | ***39.0*** | | | ***16.0*** | ***15.0*** | |
| **District Total** | | | **1,245** | **809** | **0** | **0** | **26.4** | **49.4** | **0.1** | **0** | **15.5** | **8.6** | **0** |
| **District: 321 - Ugashik District** | | | | | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | |
| 1 | 06/14/2010 | 06/21/2010 | 268 | 20,039 | 0 | 0 | 13.4 | 53.4 | 0 | 0 | 17.5 | 15.7 | 0 |
| 2 | 06/22/2010 | 06/24/2010 | 323 | 40,142 | 0 | 0 | 7.7 | 54.8 | 0.6 | 0 | 18.0 | 18.9 | 0 |
| ***Sampling Group Total*** | | | ***591*** | ***60,181*** | ***0*** | ***0*** | ***9.6*** | ***54.3*** | ***0.4*** | ***0*** | ***17.8*** | ***17.8*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | ***51.0*** | ***30.0*** | | | ***10.0*** | ***10.0*** | |
| **District Total** | | | **591** | **60,181** | **0** | **0** | **9.6** | **54.3** | **0.4** | **0** | **17.8** | **17.8** | **0** |
| **District: 322 - Egegik District** | | | | | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 48,211 | 0 | 0 | 10.5 | 19.7 | 0 | 0 | 48.0 | 21.7 | 0 |
| 2 | 06/20/2010 | 06/21/2010 | 162 | 73,314 | 0 | 0 | 16.0 | 25.3 | 0 | 0 | 39.5 | 19.1 | 0 |
| 3 | 06/22/2010 | 06/23/2010 | 222 | 104,701 | 0 | 0 | 9.5 | 14.0 | 0 | 0.5 | 55.4 | 20.7 | 0 |
| 4 | 06/24/2010 | 06/24/2010 | 195 | 114,980 | 0 | 0 | 15.9 | 28.2 | 0 | 0 | 35.9 | 20.0 | 0 |
| 5 | 06/25/2010 | 06/25/2010 | 164 | 258,569 | 0 | 0 | 11.0 | 25.0 | 0 | 0 | 40.2 | 23.2 | 0.6 |

Port Moller 2010

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***Sampling Group Total*** | ***895*** | ***599,775*** | ***0*** | ***0*** | ***12.2*** | ***23.3*** | ***0*** | ***0.1*** | ***42.6*** | ***21.5*** | ***0.3*** |
| | ***Sampling Group Forecast*** | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | |
| **District Total** | | **895** | **599,775** | **0** | **0** | **12.2** | **23.3** | **0** | **0.1** | **42.6** | **21.5** | **0.3** |
| **District: 324 - Naknek-Kvichak District** | | | | | | | | | | | | |
| | ***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)*** | | | | | | | | | | | |
| 1 | 06/15/2010 06/21/2010 | 403 | 25,691 | 0 | 0 | 26.3 | 48.6 | 0 | 0 | 12.4 | 12.7 | 0 |
| 2 | 06/22/2010 06/23/2010 | 456 | 49,284 | 0 | 0.2 | 20.6 | 52.0 | 0 | 0 | 13.4 | 13.8 | 0 |
| 3 | 06/24/2010 06/25/2010 | 191 | 76,419 | 0 | 0 | 23.0 | 49.7 | 0.5 | 0 | 11.5 | 15.2 | 0 |
| | ***Sampling Group Total*** | ***1,050*** | ***151,394*** | ***0*** | ***0.1*** | ***22.8*** | ***50.3*** | ***0.3*** | ***0*** | ***12.3*** | ***14.3*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | |
| **District Total** | | **1,050** | **151,394** | **0** | **0.1** | **22.8** | **50.3** | **0.3** | **0** | **12.3** | **14.3** | **0** |
| **District: 325 - Nushagak District** | | | | | | | | | | | | |
| | ***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | |
| 1 | 06/10/2010 06/25/2010 | 78 | 302,054 | 2.6 | 0 | 60.3 | 37.2 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | ***78*** | ***302,054*** | ***2.6*** | ***0*** | ***60.3*** | ***37.2*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***38.0*** | ***57.0*** | ***1.0*** | | ***2.0*** | ***1.0*** | |
| | ***Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | |
| 1 | 06/06/2010 06/28/2010 | 1 | 52,427 | 0 | 0 | 100.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | ***1*** | ***52,427*** | ***0*** | ***0*** | ***100.0*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***13.0*** | ***80.0*** | ***5.0*** | | ***0.0*** | ***1.0*** | |
| **District Total** | | **79** | **354,481** | **2.2** | **0** | **66.1** | **31.7** | **0** | **0** | **0** | **0** | **0** |
| **Species Total (non-test fishing)** | | **2,615** | **1,165,831** | **0.7** | **0.0** | **29.9** | **31.0** | **0.1** | **0.0** | **24.4** | **13.9** | **0.1** |

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## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jun 29, 2010 7:07:05 AM**

Last time Escapement Data downloaded: 06/29/2010 07:05:19 AM
Last time Harvest Data downloaded: 06/29/2010 07:05:44 AM

| | | | | | Age Composition | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 03 | 04 | 11 | 12 | 13 | 14 | 21 | 22 | 23 | 24 |
| **Species: Sockeye** | | | | | | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/10/2010 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0 | 0 |
| 2 | 06/11/2010 | 06/11/2010 | 20 | 14 | 0 | 0 | 0 | 5.0 | 45.0 | 0 | 0 | 30.0 | 20.0 | 0 |
| 3 | 06/14/2010 | 06/14/2010 | 18 | 25 | 0 | 0 | 0 | 16.7 | 66.7 | 0 | 0 | 11.1 | 5.6 | 0 |
| 4 | 06/15/2010 | 06/15/2010 | 5 | 15 | 0 | 0 | 0 | 40.0 | 20.0 | 0 | 0 | 40.0 | 0 | 0 |
| 5 | 06/17/2010 | 06/17/2010 | 16 | 12 | 0 | 0 | 0 | 43.8 | 31.2 | 0 | 0 | 6.2 | 18.8 | 0 |
| 6 | 06/18/2010 | 06/18/2010 | 65 | 60 | 0 | 0 | 0 | 32.3 | 55.4 | 0 | 0 | 7.7 | 4.6 | 0 |
| 7 | 06/19/2010 | 06/19/2010 | 58 | 35 | 0 | 0 | 0 | 17.2 | 46.6 | 0 | 0 | 24.1 | 12.1 | 0 |
| 8 | 06/20/2010 | 06/20/2010 | 130 | 88 | 0 | 0 | 0 | 28.5 | 54.6 | 0 | 0 | 10.8 | 6.2 | 0 |
| 9 | 06/21/2010 | 06/21/2010 | 175 | 139 | 0 | 0 | 0 | 19.4 | 54.9 | 0 | 0 | 16.6 | 9.1 | 0 |
| 10 | 06/22/2010 | 06/22/2010 | 317 | 186 | 0 | 0 | 0 | 35.3 | 46.1 | 0 | 0 | 12.0 | 6.6 | 0 |
| 11 | 06/23/2010 | 06/23/2010 | 219 | 121 | 0 | 0 | 0 | 21.9 | 49.8 | 0 | 0 | 19.6 | 8.7 | 0 |
| 12 | 06/24/2010 | 06/24/2010 | 221 | 112 | 0 | 0 | 0 | 24.9 | 44.8 | 0.9 | 0 | 17.6 | 11.8 | 0 |
| ***Sampling Group Total*** | | | ***1,245*** | ***809*** | ***0*** | ***0*** | ***0*** | ***26.4*** | ***49.4*** | ***0.1*** | ***0*** | ***15.5*** | ***8.6*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | ***29.0*** | ***39.0*** | | | ***16.0*** | ***15.0*** | |
| **District Total** | | | **1,245** | **809** | **0** | **0** | **0** | **26.4** | **49.4** | **0.1** | **0** | **15.5** | **8.6** | **0** |
| **District: 321 - Ugashik District** | | | | | | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | |
| 1 | 06/14/2010 | 06/20/2010 | 177 | 8,160 | 0 | 0 | 0 | 13.0 | 55.4 | 0 | 0 | 18.1 | 13.6 | 0 |
| 2 | 06/21/2010 | 06/22/2010 | 91 | 11,879 | 0 | 0 | 0 | 14.3 | 49.5 | 0 | 0 | 16.5 | 19.8 | 0 |
| 3 | 06/23/2010 | 06/24/2010 | 368 | 40,142 | 0 | 0 | 0 | 7.6 | 56.2 | 0.5 | 0 | 17.9 | 17.7 | 0 |
| 4 | 06/25/2010 | 06/25/2010 | 184 | 56,056 | 0 | 0 | 0 | 8.2 | 63.6 | 0 | 0 | 12.0 | 16.3 | 0 |
| 5 | 06/26/2010 | 06/26/2010 | 204 | 96,453 | 0 | 0 | 0 | 14.2 | 48.5 | 0.5 | 0 | 24.5 | 12.3 | 0 |
| ***Sampling Group Total*** | | | ***1,024*** | ***212,690*** | ***0*** | ***0*** | ***0*** | ***11.3*** | ***54.3*** | ***0.3*** | ***0*** | ***19.3*** | ***14.8*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | ***51.0*** | ***30.0*** | | | ***10.0*** | ***10.0*** | |
| **District Total** | | | **1,024** | **212,690** | **0** | **0** | **0** | **11.3** | **54.3** | **0.3** | **0** | **19.3** | **14.8** | **0** |
| **District: 322 - Egegik District** | | | | | | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 48,211 | 0 | 0 | 0 | 10.5 | 19.7 | 0 | 0 | 48.0 | 21.7 | 0 |
| 2 | 06/20/2010 | 06/21/2010 | 312 | 73,314 | 0 | 0 | 0 | 12.2 | 22.4 | 0 | 0 | 42.0 | 23.4 | 0 |

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| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 06/22/2010 | 06/23/2010 | 222 | 104,701 | 0 | 0 | 0 | 9.5 | 14.0 | 0 | 0.5 | 55.4 | 20.7 | 0 |
| 4 | 06/24/2010 | 06/24/2010 | 195 | 114,980 | 0 | 0 | 0 | 15.9 | 28.2 | 0 | 0 | 35.9 | 20.0 | 0 |
| 5 | 06/25/2010 | 06/25/2010 | 164 | 258,802 | 0 | 0 | 0 | 11.0 | 25.0 | 0 | 0 | 40.2 | 23.2 | 0.6 |
| 6 | 06/26/2010 | 06/26/2010 | 213 | 408,756 | 0 | 0 | 0 | 8.0 | 13.6 | 0 | 0 | 50.7 | 27.7 | 0 |
| 7 | 06/27/2010 | 06/27/2010 | 370 | 246,570 | 0 | 0 | 0 | 21.1 | 25.1 | 0 | 0 | 41.4 | 12.4 | 0 |
| | ***Sampling Group Total*** | | ***1,628*** | ***1,255,334*** | ***0*** | ***0*** | ***0*** | ***12.4*** | ***20.3*** | ***0*** | ***0.0*** | ***45.1*** | ***22.0*** | ***0.1*** |
| | ***Sampling Group Forecast*** | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | |
| **District Total** | | | **1,628** | **1,255,334** | **0** | **0** | **0** | **12.4** | **20.3** | **0** | **0.0** | **45.1** | **22.0** | **0.1** |

**District: 324 - Naknek-Kvichak District**

***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/15/2010 | 06/21/2010 | 403 | 25,691 | 0 | 0 | 0 | 26.3 | 48.6 | 0 | 0 | 12.4 | 12.7 | 0 |
| 2 | 06/22/2010 | 06/23/2010 | 456 | 49,284 | 0 | 0 | 0.2 | 20.6 | 52.0 | 0 | 0 | 13.4 | 13.8 | 0 |
| 3 | 06/24/2010 | 06/25/2010 | 191 | 76,419 | 0 | 0 | 0 | 23.0 | 49.7 | 0.5 | 0 | 11.5 | 15.2 | 0 |
| | ***Sampling Group Total*** | | ***1,050*** | ***151,394*** | ***0*** | ***0*** | ***0.1*** | ***22.8*** | ***50.3*** | ***0.3*** | ***0*** | ***12.3*** | ***14.3*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | |

***Sampling Group: 324-11 Kvichak Section Harvest - Set (Index Type: Harvest)***

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/22/2010 | 06/30/2010 | 205 | 68,966 | 0 | 0 | 0 | 46.3 | 26.3 | 0 | 0 | 22.0 | 5.4 | 0 |
| | ***Sampling Group Total*** | | ***205*** | ***68,966*** | ***0*** | ***0*** | ***0*** | ***46.3*** | ***26.3*** | ***0*** | ***0*** | ***22.0*** | ***5.4*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | ***39.0*** | ***28.0*** | | | ***33.0*** | ***1.0*** | |
| **District Total** | | | **1,255** | **220,360** | **0** | **0** | **0.0** | **30.2** | **42.8** | **0.2** | **0** | **15.3** | **11.5** | **0** |

**District: 325 - Nushagak District**

***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/10/2010 | 06/17/2010 | 78 | 270 | 0 | 2.6 | 0 | 60.3 | 37.2 | 0 | 0 | 0 | 0 | 0 |
| 2 | 06/18/2010 | 06/25/2010 | 89 | 324,226 | 0 | 0 | 0 | 39.3 | 59.6 | 1.1 | 0 | 0 | 0 | 0 |
| 3 | 06/26/2010 | 06/26/2010 | 234 | 334,687 | 0.4 | 0 | 0 | 48.7 | 49.1 | 0.4 | 0 | 0.9 | 0.4 | 0 |
| | ***Sampling Group Total*** | | ***401*** | ***659,183*** | ***0.2*** | ***0.0*** | ***0*** | ***44.1*** | ***54.3*** | ***0.8*** | ***0*** | ***0.4*** | ***0.2*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | ***1.0*** | | | ***38.0*** | ***57.0*** | ***1.0*** | | ***2.0*** | ***1.0*** | |

***Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement)***

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/06/2010 | 06/28/2010 | 73 | 76,154 | 0 | 1.4 | 0 | 17.8 | 78.1 | 1.4 | 0 | 0 | 1.4 | 0 |
| | ***Sampling Group Total*** | | ***73*** | ***76,154*** | ***0*** | ***1.4*** | ***0*** | ***17.8*** | ***78.1*** | ***1.4*** | ***0*** | ***0*** | ***1.4*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | ***1.0*** | | | ***13.0*** | ***80.0*** | ***5.0*** | | ***0.0*** | ***1.0*** | |
| **District Total** | | | **474** | **735,337** | **0.2** | **0.1** | **0** | **41.4** | **56.7** | **0.8** | **0** | **0.4** | **0.3** | **0** |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Species Total (non-test fishing)** | **4,381** | **2,423,721** | **0.1** | **0.0** | **0.0** | **22.7** | **36.4** | **0.3** | **0.0** | **26.6** | **13.8** | **0.1** |

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## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jul 1, 2010 7:22:22 AM**

Last time Escapement Data downloaded: 07/01/2010 07:21:35 AM
Last time Harvest Data downloaded: 07/01/2010 07:22:11 AM

| | | | | | Age Composition | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 02 | 03 | 04 | 11 | 12 | 13 | 14 | 21 | 22 | 23 | 24 | 32 |
| **Species: Sockeye** | | | | | | | | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/10/2010 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0 | 0 | 0 |
| 2 | 06/11/2010 | 06/11/2010 | 20 | 14 | 0 | 0 | 0 | 0 | 5.0 | 45.0 | 0 | 0 | 30.0 | 20.0 | 0 | 0 |
| 3 | 06/14/2010 | 06/14/2010 | 18 | 25 | 0 | 0 | 0 | 0 | 16.7 | 66.7 | 0 | 0 | 11.1 | 5.6 | 0 | 0 |
| 4 | 06/15/2010 | 06/15/2010 | 5 | 15 | 0 | 0 | 0 | 0 | 40.0 | 20.0 | 0 | 0 | 40.0 | 0 | 0 | 0 |
| 5 | 06/17/2010 | 06/17/2010 | 16 | 12 | 0 | 0 | 0 | 0 | 43.8 | 31.2 | 0 | 0 | 6.2 | 18.8 | 0 | 0 |
| 6 | 06/18/2010 | 06/18/2010 | 65 | 60 | 0 | 0 | 0 | 0 | 32.3 | 55.4 | 0 | 0 | 7.7 | 4.6 | 0 | 0 |
| 7 | 06/19/2010 | 06/19/2010 | 58 | 35 | 0 | 0 | 0 | 0 | 17.2 | 46.6 | 0 | 0 | 24.1 | 12.1 | 0 | 0 |
| 8 | 06/20/2010 | 06/20/2010 | 130 | 88 | 0 | 0 | 0 | 0 | 28.5 | 54.6 | 0 | 0 | 10.8 | 6.2 | 0 | 0 |
| 9 | 06/21/2010 | 06/21/2010 | 175 | 139 | 0 | 0 | 0 | 0 | 19.4 | 54.9 | 0 | 0 | 16.6 | 9.1 | 0 | 0 |
| 10 | 06/22/2010 | 06/22/2010 | 317 | 186 | 0 | 0 | 0 | 0 | 35.3 | 46.1 | 0 | 0 | 12.0 | 6.6 | 0 | 0 |
| 11 | 06/23/2010 | 06/23/2010 | 219 | 121 | 0 | 0 | 0 | 0 | 21.9 | 49.8 | 0 | 0 | 19.6 | 8.7 | 0 | 0 |
| 12 | 06/24/2010 | 06/24/2010 | 221 | 112 | 0 | 0 | 0 | 0 | 24.9 | 44.8 | 0.9 | 0 | 17.6 | 11.8 | 0 | 0 |
| 13 | 06/25/2010 | 06/25/2010 | 8 | 58 | 0 | 0 | 0 | 0 | 0 | 25.0 | 0 | 0 | 37.5 | 37.5 | 0 | 0 |
| 14 | 06/26/2010 | 06/26/2010 | 137 | 76 | 0 | 0 | 0 | 0 | 27.0 | 42.3 | 0 | 0 | 16.1 | 14.6 | 0 | 0 |
| 15 | 06/28/2010 | 06/28/2010 | 72 | 57 | 0 | 0 | 0 | 0 | 37.5 | 50.0 | 0 | 0 | 6.9 | 5.6 | 0 | 0 |
| 16 | 06/29/2010 | 06/29/2010 | 108 | 55 | 0 | 0 | 0 | 0 | 14.8 | 56.5 | 0.9 | 0 | 11.1 | 16.7 | 0 | 0 |
| | ***Sampling Group Total*** | | ***1,570*** | ***1,055*** | ***0*** | ***0*** | ***0*** | ***0*** | ***25.0*** | ***47.9*** | ***0.1*** | ***0*** | ***16.0*** | ***10.9*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***29.0*** | ***39.0*** | | | ***16.0*** | ***15.0*** | | |
| **District Total** | | | **1,570** | **1,055** | **0** | **0** | **0** | **0** | **25.0** | **47.9** | **0.1** | **0** | **16.0** | **10.9** | **0** | **0** |
| **District: 321 - Ugashik District** | | | | | | | | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | |
| 1 | 06/14/2010 | 06/22/2010 | 268 | 19,889 | 0 | 0 | 0 | 0 | 13.4 | 53.4 | 0 | 0 | 17.5 | 15.7 | 0 | 0 |
| 2 | 06/23/2010 | 06/24/2010 | 368 | 40,142 | 0 | 0 | 0 | 0 | 7.6 | 56.2 | 0.5 | 0 | 17.9 | 17.7 | 0 | 0 |
| 3 | 06/25/2010 | 06/25/2010 | 184 | 56,056 | 0 | 0 | 0 | 0 | 8.2 | 63.6 | 0 | 0 | 12.0 | 16.3 | 0 | 0 |
| 4 | 06/26/2010 | 06/26/2010 | 204 | 96,453 | 0 | 0 | 0 | 0 | 14.2 | 48.5 | 0.5 | 0 | 24.5 | 12.3 | 0 | 0 |
| 5 | 06/28/2010 | 06/28/2010 | 149 | 135,973 | 0 | 0.7 | 0.7 | 0 | 8.7 | 60.4 | 1.3 | 0 | 17.4 | 10.7 | 0 | 0 |
| | ***Sampling Group Total*** | | ***1,173*** | ***348,513*** | ***0*** | ***0.3*** | ***0.3*** | ***0*** | ***10.3*** | ***56.7*** | ***0.7*** | ***0*** | ***18.6*** | ***13.1*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***51.0*** | ***30.0*** | | | ***10.0*** | ***10.0*** | | |
| **District Total** | | | **1,173** | **348,513** | **0** | **0.3** | **0.3** | **0** | **10.3** | **56.7** | **0.7** | **0** | **18.6** | **13.1** | **0** | **0** |

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**District: 322 - Egegik District**

***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/09/2010 | 06/19/2010 | 152 | 47,027 | 0 | 0 | 0 | 0 | 10.5 | 19.7 | 0 | 0 | 48.0 | 21.7 | 0 | 0 |
| 2 | 06/20/2010 | 06/20/2010 | 162 | 10,645 | 0 | 0 | 0 | 0 | 16.0 | 25.3 | 0 | 0 | 39.5 | 19.1 | 0 | 0 |
| 3 | 06/21/2010 | 06/22/2010 | 150 | 62,669 | 0 | 0 | 0 | 0 | 8.0 | 19.3 | 0 | 0 | 44.7 | 28.0 | 0 | 0 |
| 4 | 06/23/2010 | 06/23/2010 | 222 | 104,701 | 0 | 0 | 0 | 0 | 9.5 | 14.0 | 0 | 0.5 | 55.4 | 20.7 | 0 | 0 |
| 5 | 06/24/2010 | 06/24/2010 | 195 | 114,980 | 0 | 0 | 0 | 0 | 15.9 | 28.2 | 0 | 0 | 35.9 | 20.0 | 0 | 0 |
| 6 | 06/25/2010 | 06/25/2010 | 164 | 258,802 | 0 | 0 | 0 | 0 | 11.0 | 25.0 | 0 | 0 | 40.2 | 23.2 | 0.6 | 0 |
| 7 | 06/26/2010 | 06/26/2010 | 213 | 408,756 | 0 | 0 | 0 | 0 | 8.0 | 13.6 | 0 | 0 | 50.7 | 27.7 | 0 | 0 |
| 8 | 06/27/2010 | 06/27/2010 | 370 | 246,570 | 0 | 0 | 0 | 0 | 21.1 | 25.1 | 0 | 0 | 41.4 | 12.4 | 0 | 0 |
| 9 | 06/28/2010 | 06/28/2010 | 146 | 429,078 | 0 | 0 | 0 | 0 | 2.7 | 3.4 | 0 | 0 | 61.6 | 31.5 | 0.7 | 0 |
| ***Sampling Group Total*** | | | ***1,774*** | ***1,683,228*** | ***0*** | ***0*** | ***0*** | ***0*** | ***9.8*** | ***15.9*** | ***0*** | ***0.0*** | ***49.4*** | ***24.6*** | ***0.3*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | |
| **District Total** | | | **1,774** | **1,683,228** | **0** | **0** | **0** | **0** | **9.8** | **15.9** | **0** | **0.0** | **49.4** | **24.6** | **0.3** | **0** |

**District: 324 - Naknek-Kvichak District**

***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/15/2010 | 06/21/2010 | 403 | 25,321 | 0 | 0 | 0 | 0 | 26.3 | 48.6 | 0 | 0 | 12.4 | 12.7 | 0 | 0 |
| 2 | 06/22/2010 | 06/23/2010 | 456 | 49,284 | 0 | 0 | 0 | 0.2 | 20.6 | 52.0 | 0 | 0 | 13.4 | 13.8 | 0 | 0 |
| 3 | 06/24/2010 | 06/25/2010 | 191 | 76,547 | 0 | 0 | 0 | 0 | 23.0 | 49.7 | 0.5 | 0 | 11.5 | 15.2 | 0 | 0 |
| 4 | 06/26/2010 | 06/27/2010 | 139 | 598,774 | 0 | 0 | 0 | 0 | 51.1 | 22.3 | 1.4 | 0 | 22.3 | 2.9 | 0 | 0 |
| 5 | 06/28/2010 | 06/28/2010 | 204 | 329,282 | 0 | 0 | 0 | 0 | 27.5 | 31.9 | 0.5 | 0 | 27.0 | 12.3 | 0 | 1.0 |
| 6 | 06/29/2010 | 06/29/2010 | 170 | 152,245 | 0 | 0 | 0 | 0 | 26.5 | 32.4 | 0 | 0 | 29.4 | 11.8 | 0 | 0 |
| ***Sampling Group Total*** | | | ***1,563*** | ***1,231,453*** | ***0*** | ***0*** | ***0*** | ***0.0*** | ***38.2*** | ***29.5*** | ***0.9*** | ***0*** | ***23.2*** | ***7.9*** | ***0*** | ***0.3*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | | |

***Sampling Group: 324-11 Kvichak Section Harvest - Set (Index Type: Harvest)***

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/22/2010 | 06/30/2010 | 205 | 170,927 | 0 | 0 | 0 | 0 | 46.3 | 26.3 | 0 | 0 | 22.0 | 5.4 | 0 | 0 |
| ***Sampling Group Total*** | | | ***205*** | ***170,927*** | ***0*** | ***0*** | ***0*** | ***0*** | ***46.3*** | ***26.3*** | ***0*** | ***0*** | ***22.0*** | ***5.4*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***39.0*** | ***28.0*** | | | ***33.0*** | ***1.0*** | | |

***Sampling Group: 324-20-600-101 Naknek River Escapement (Index Type: Escapement)***

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/19/2010 | 06/30/2010 | 365 | 323,934 | 0 | 0 | 0 | 0.3 | 41.9 | 35.6 | 0 | 1.1 | 13.4 | 7.7 | 0 | 0 |
| ***Sampling Group Total*** | | | ***365*** | ***323,934*** | ***0*** | ***0*** | ***0*** | ***0.3*** | ***41.9*** | ***35.6*** | ***0*** | ***1.1*** | ***13.4*** | ***7.7*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***23.0*** | ***53.0*** | | | ***11.0*** | ***13.0*** | | |
| **District Total** | | | **2,133** | **1,726,314** | **0** | **0** | **0** | **0.1** | **39.7** | **30.4** | **0.6** | **0.2** | **21.2** | **7.6** | **0** | **0.2** |

**District: 325 - Nushagak District**

***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/10/2010 | 06/25/2010 | 314 | 324,496 | 0 | 0 | 0.6 | 0 | 49.7 | 48.4 | 0.6 | 0 | 0 | 0.6 | 0 | 0 |
| 2 | 06/26/2010 | 06/26/2010 | 234 | 334,687 | 0 | 0.4 | 0 | 0 | 48.7 | 49.1 | 0.4 | 0 | 0.9 | 0.4 | 0 | 0 |

Port Moller 2010

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 06/27/2010 | 06/27/2010 | 241 | 400,813 | 0.4 | 0 | 0.4 | 0 | 39.0 | 57.3 | 2.5 | 0 | 0 | 0.4 | 0 | 0 |
| 4 | 06/28/2010 | 06/28/2010 | 0 | 637,496 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***789*** | ***1,697,492*** | ***0.2*** | ***0.1*** | ***0.4*** | ***0*** | ***45.3*** | ***52.0*** | ***1.3*** | ***0*** | ***0.3*** | ***0.5*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***1.0*** | | | ***38.0*** | ***57.0*** | ***1.0*** | | ***2.0*** | ***1.0*** | | |
| | ***Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | |
| 1 | 06/06/2010 | 06/28/2010 | 73 | 86,467 | 0 | 0 | 1.4 | 0 | 17.8 | 78.1 | 1.4 | 0 | 0 | 1.4 | 0 | 0 |
| | ***Sampling Group Total*** | | ***73*** | ***86,467*** | ***0*** | ***0*** | ***1.4*** | ***0*** | ***17.8*** | ***78.1*** | ***1.4*** | ***0*** | ***0*** | ***1.4*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***1.0*** | | | ***13.0*** | ***80.0*** | ***5.0*** | | ***0.0*** | ***1.0*** | | |
| **District Total** | | | **862** | **1,783,959** | **0.1** | **0.1** | **0.4** | **0** | **43.3** | **54.0** | **1.3** | **0** | **0.2** | **0.6** | **0** | **0** |
| **District: 326 - Togiak District** | | | | | | | | | | | | | | | | |
| | ***Sampling Group: 326-70 Togiak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 06/30/2010 | 0 | 13,690 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***0*** | ***13,690*** | | | | | | | | | | | | |
| | ***Sampling Group Forecast*** | | | | | | | | ***14.0*** | ***76.0*** | | | ***6.0*** | ***4.0*** | | |
| **District Total** | | | **0** | **13,690** | | | | | | | | | | | | |
| **Species Total (non-test fishing)** | | | **5,942** | **5,555,704** | **0.0** | **0.0** | **0.1** | **0.0** | **28.2** | **32.8** | **0.6** | **0.1** | **25.8** | **12.2** | **0.1** | **0.1** |

Port Moller 2010

## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jul 4, 2010 7:16:44 AM**

Last time Escapement Data downloaded: 07/04/2010 07:15:41 AM
Last time Harvest Data downloaded: 07/04/2010 07:16:24 AM

| | | | | | Age Composition | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 02 | 03 | 04 | 11 | 12 | 13 | 14 | 21 | 22 | 23 | 24 | 31 | 32 |
| **Species: Sockeye** | | | | | | | | | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/18/2010 | 125 | 154 | 0 | 0 | 0 | 0 | 27.2 | 50.4 | 0 | 0 | 12.8 | 9.6 | 0 | 0 | 0 |
| 2 | 06/19/2010 | 06/20/2010 | 188 | 123 | 0 | 0 | 0 | 0 | 25.0 | 52.1 | 0 | 0 | 14.9 | 8.0 | 0 | 0 | 0 |
| 3 | 06/21/2010 | 06/22/2010 | 492 | 325 | 0 | 0 | 0 | 0 | 29.7 | 49.2 | 0 | 0 | 13.6 | 7.5 | 0 | 0 | 0 |
| 4 | 06/23/2010 | 06/24/2010 | 440 | 233 | 0 | 0 | 0 | 0 | 23.4 | 47.3 | 0.5 | 0 | 18.6 | 10.2 | 0 | 0 | 0 |
| 5 | 06/25/2010 | 06/26/2010 | 145 | 134 | 0 | 0 | 0 | 0 | 25.5 | 41.4 | 0 | 0 | 17.2 | 15.9 | 0 | 0 | 0 |
| 6 | 06/28/2010 | 06/29/2010 | 244 | 112 | 0 | 0 | 0 | 0 | 23.4 | 52.5 | 0.4 | 0 | 10.7 | 13.1 | 0 | 0 | 0 |
| 7 | 06/30/2010 | 06/30/2010 | 139 | 61 | 0 | 0 | 0.7 | 0 | 23.0 | 45.3 | 0 | 0 | 23.7 | 7.2 | 0 | 0 | 0 |
| 8 | 07/01/2010 | 07/01/2010 | 467 | 181 | 0 | 0 | 0.2 | 0 | 21.2 | 57.6 | 0.4 | 0 | 11.6 | 8.8 | 0 | 0 | 0.2 |
| | ***Sampling Group Total*** | | ***2,240*** | ***1,323*** | ***0*** | ***0*** | ***0.1*** | ***0*** | ***25.4*** | ***49.7*** | ***0.2*** | ***0*** | ***14.8*** | ***9.8*** | ***0*** | ***0*** | ***0.0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***29.0*** | ***39.0*** | | | ***16.0*** | ***15.0*** | | | |
| **District Total** | | | **2,240** | **1,323** | **0** | **0** | **0.1** | **0** | **25.4** | **49.7** | **0.2** | **0** | **14.8** | **9.8** | **0** | **0** | **0.0** |
| **District: 321 - Ugashik District** | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/14/2010 | 06/22/2010 | 268 | 19,889 | 0 | 0 | 0 | 0 | 13.4 | 53.4 | 0 | 0 | 17.5 | 15.7 | 0 | 0 | 0 |
| 2 | 06/23/2010 | 06/24/2010 | 368 | 40,142 | 0 | 0 | 0 | 0 | 7.6 | 56.2 | 0.5 | 0 | 17.9 | 17.7 | 0 | 0 | 0 |
| 3 | 06/25/2010 | 06/25/2010 | 184 | 56,056 | 0 | 0 | 0 | 0 | 8.2 | 63.6 | 0 | 0 | 12.0 | 16.3 | 0 | 0 | 0 |
| 4 | 06/26/2010 | 06/26/2010 | 204 | 96,453 | 0 | 0 | 0 | 0 | 14.2 | 48.5 | 0.5 | 0 | 24.5 | 12.3 | 0 | 0 | 0 |
| 5 | 06/28/2010 | 06/28/2010 | 149 | 135,973 | 0 | 0.7 | 0.7 | 0 | 8.7 | 60.4 | 1.3 | 0 | 17.4 | 10.7 | 0 | 0 | 0 |
| 6 | 06/29/2010 | 06/29/2010 | 190 | 119,988 | 0 | 0 | 0 | 0 | 8.9 | 51.6 | 0 | 0 | 26.3 | 12.6 | 0 | 0 | 0.5 |
| 7 | 06/30/2010 | 06/30/2010 | 171 | 142,339 | 0 | 0 | 0 | 0 | 7.6 | 45.6 | 0 | 0 | 32.7 | 14.0 | 0 | 0 | 0 |
| 8 | 07/01/2010 | 07/01/2010 | 0 | 214,616 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***1,534*** | ***825,456*** | ***0*** | ***0.1*** | ***0.1*** | ***0*** | ***9.4*** | ***53.1*** | ***0.4*** | ***0*** | ***23.4*** | ***13.2*** | ***0*** | ***0*** | ***0.1*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***51.0*** | ***30.0*** | | | ***10.0*** | ***10.0*** | | | |
| **District Total** | | | **1,534** | **825,456** | **0** | **0.1** | **0.1** | **0** | **9.4** | **53.1** | **0.4** | **0** | **23.4** | **13.2** | **0** | **0** | **0.1** |
| **District: 322 - Egegik District** | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 47,027 | 0 | 0 | 0 | 0 | 10.5 | 19.7 | 0 | 0 | 48.0 | 21.7 | 0 | 0 | 0 |
| 2 | 06/20/2010 | 06/20/2010 | 162 | 10,645 | 0 | 0 | 0 | 0 | 16.0 | 25.3 | 0 | 0 | 39.5 | 19.1 | 0 | 0 | 0 |
| 3 | 06/21/2010 | 06/22/2010 | 150 | 62,669 | 0 | 0 | 0 | 0 | 8.0 | 19.3 | 0 | 0 | 44.7 | 28.0 | 0 | 0 | 0 |
| 4 | 06/23/2010 | 06/23/2010 | 222 | 104,701 | 0 | 0 | 0 | 0 | 9.5 | 14.0 | 0 | 0.5 | 55.4 | 20.7 | 0 | 0 | 0 |
| 5 | 06/24/2010 | 06/24/2010 | 195 | 114,980 | 0 | 0 | 0 | 0 | 15.9 | 28.2 | 0 | 0 | 35.9 | 20.0 | 0 | 0 | 0 |

Port Moller 2010

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 06/25/2010 | 06/25/2010 | 164 | 258,802 | 0 | 0 | 0 | 0 | 11.0 | 25.0 | 0 | 0 | 40.2 | 23.2 | 0.6 | 0 | 0 | |
| 7 | 06/26/2010 | 06/26/2010 | 213 | 408,756 | 0 | 0 | 0 | 0 | 8.0 | 13.6 | 0 | 0 | 50.7 | 27.7 | 0 | 0 | 0 | |
| 8 | 06/27/2010 | 06/27/2010 | 370 | 246,570 | 0 | 0 | 0 | 0 | 21.1 | 25.1 | 0 | 0 | 41.4 | 12.4 | 0 | 0 | 0 | |
| 9 | 06/28/2010 | 06/28/2010 | 146 | 429,078 | 0 | 0 | 0 | 0 | 2.7 | 3.4 | 0 | 0 | 61.6 | 31.5 | 0.7 | 0 | 0 | |
| 10 | 06/29/2010 | 06/29/2010 | 107 | 142,807 | 0 | 0 | 0 | 0 | 7.5 | 17.8 | 0 | 0 | 46.7 | 28.0 | 0 | 0 | 0 | |
| 11 | 06/30/2010 | 06/30/2010 | 270 | 189,163 | 0 | 0 | 0 | 0 | 14.8 | 10.7 | 0 | 0.7 | 55.9 | 17.4 | 0 | 0 | 0.4 | |
| | ***Sampling Group Total*** | | ***2,151*** | ***2,015,198*** | ***0*** | ***0*** | ***0*** | ***0*** | ***10.1*** | ***15.6*** | ***0*** | ***0.1*** | ***49.8*** | ***24.1*** | ***0.2*** | ***0*** | ***0.0*** | |
| | ***Sampling Group Forecast*** | | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | | |
| | ***Sampling Group: 322-00-100-101 Egegik River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/18/2010 | 06/28/2010 | 110 | 80,424 | 0 | 0 | 0 | 0.9 | 8.2 | 0.9 | 0 | 20.0 | 64.5 | 4.5 | 0 | 0.9 | 0 | |
| | ***Sampling Group Total*** | | ***110*** | ***80,424*** | ***0*** | ***0*** | ***0*** | ***0.9*** | ***8.2*** | ***0.9*** | ***0*** | ***20.0*** | ***64.5*** | ***4.5*** | ***0*** | ***0.9*** | ***0*** | |
| | ***Sampling Group Forecast*** | | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | | |
| **District Total** | | | **2,261** | **2,095,622** | **0** | **0** | **0** | **0.0** | **10.0** | **15.0** | **0** | **0.9** | **50.4** | **23.4** | **0.2** | **0.0** | **0.0** | |

**District: 324 - Naknek-Kvichak District**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/15/2010 | 06/21/2010 | 403 | 25,321 | 0 | 0 | 0 | 0 | 26.3 | 48.6 | 0 | 0 | 12.4 | 12.7 | 0 | 0 | 0 | |
| 2 | 06/22/2010 | 06/23/2010 | 456 | 49,284 | 0 | 0 | 0 | 0.2 | 20.6 | 52.0 | 0 | 0 | 13.4 | 13.8 | 0 | 0 | 0 | |
| 3 | 06/24/2010 | 06/25/2010 | 191 | 76,547 | 0 | 0 | 0 | 0 | 23.0 | 49.7 | 0.5 | 0 | 11.5 | 15.2 | 0 | 0 | 0 | |
| 4 | 06/26/2010 | 06/27/2010 | 139 | 598,774 | 0 | 0 | 0 | 0 | 51.1 | 22.3 | 1.4 | 0 | 22.3 | 2.9 | 0 | 0 | 0 | |
| 5 | 06/28/2010 | 06/28/2010 | 204 | 329,282 | 0 | 0 | 0 | 0 | 27.5 | 31.9 | 0.5 | 0 | 27.0 | 12.3 | 0 | 0 | 1.0 | |
| 6 | 06/29/2010 | 06/29/2010 | 170 | 152,245 | 0 | 0 | 0 | 0 | 26.5 | 32.4 | 0 | 0 | 29.4 | 11.8 | 0 | 0 | 0 | |
| 7 | 06/30/2010 | 06/30/2010 | 128 | 126,750 | 0 | 0 | 0 | 0 | 18.8 | 30.5 | 0.8 | 0 | 27.3 | 22.7 | 0 | 0 | 0 | |
| 8 | 07/01/2010 | 07/01/2010 | 412 | 448,580 | 0 | 0 | 0 | 0 | 21.1 | 36.2 | 0 | 0 | 30.8 | 11.9 | 0 | 0 | 0 | |
| 9 | 07/02/2010 | 07/02/2010 | 0 | 298,055 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ***Sampling Group Total*** | | ***2,103*** | ***2,104,838*** | ***0*** | ***0*** | ***0*** | ***0.0*** | ***32.6*** | ***31.2*** | ***0.6*** | ***0*** | ***25.4*** | ***9.9*** | ***0*** | ***0*** | ***0.2*** | |
| | ***Sampling Group Forecast*** | | | | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | | | | |
| | ***Sampling Group: 324-11 Kvichak Section Harvest - Set (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 06/30/2010 | 205 | 187,085 | 0 | 0 | 0 | 0 | 46.3 | 26.3 | 0 | 0 | 22.0 | 5.4 | 0 | 0 | 0 | |
| 2 | 07/01/2010 | 07/02/2010 | 220 | 98,645 | 0 | 0 | 0 | 0 | 21.4 | 47.7 | 0 | 0 | 22.7 | 8.2 | 0 | 0 | 0 | |
| | ***Sampling Group Total*** | | ***425*** | ***285,730*** | ***0*** | ***0*** | ***0*** | ***0*** | ***37.7*** | ***33.7*** | ***0*** | ***0*** | ***22.2*** | ***6.3*** | ***0*** | ***0*** | ***0*** | |
| | ***Sampling Group Forecast*** | | | | | | | | ***39.0*** | ***28.0*** | | | ***33.0*** | ***1.0*** | | | | |
| | ***Sampling Group: 324-20-600-101 Naknek River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/19/2010 | 06/30/2010 | 365 | 359,814 | 0 | 0 | 0 | 0.3 | 41.9 | 35.6 | 0 | 1.1 | 13.4 | 7.7 | 0 | 0 | 0 | |
| | ***Sampling Group Total*** | | ***365*** | ***359,814*** | ***0*** | ***0*** | ***0*** | ***0.3*** | ***41.9*** | ***35.6*** | ***0*** | ***1.1*** | ***13.4*** | ***7.7*** | ***0*** | ***0*** | ***0*** | |
| | ***Sampling Group Forecast*** | | | | | | | | ***23.0*** | ***53.0*** | | | ***11.0*** | ***13.0*** | | | | |
| **District Total** | | | **2,893** | **2,750,382** | **0** | **0** | **0** | **0.0** | **34.6** | **32.2** | **0.5** | **0.2** | **23.3** | **9.2** | **0** | **0** | **0.1** | |

**District: 325 - Nushagak District**

***Sampling Group: 325-10-100-101 Igushik River Escapement (Index Type: Escapement)***

Port Moller 2010

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/24/2010 | 07/09/2010 | 0 | 164,472 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***0*** | ***164,472*** | | | | | | | | | | | | | |
| ***Sampling Group Forecast*** | | | | | | | | | ***31.0*** | ***67.0*** | | | ***1.0*** | ***1.0*** | | | |
| ***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/25/2010 | 314 | 324,496 | 0 | 0 | 0.6 | 0 | 49.7 | 48.4 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | 0 |
| 2 | 06/26/2010 | 06/26/2010 | 234 | 334,687 | 0 | 0.4 | 0 | 0 | 48.7 | 49.1 | 0.4 | 0 | 0.9 | 0.4 | 0 | 0 | 0 |
| 3 | 06/27/2010 | 06/27/2010 | 241 | 400,813 | 0.4 | 0 | 0.4 | 0 | 39.0 | 57.3 | 2.5 | 0 | 0 | 0.4 | 0 | 0 | 0 |
| 4 | 06/28/2010 | 06/28/2010 | 200 | 637,496 | 0 | 0 | 0 | 0 | 29.0 | 63.5 | 1.5 | 0 | 4.0 | 2.0 | 0 | 0 | 0 |
| 5 | 06/29/2010 | 06/29/2010 | 222 | 285,461 | 0 | 0 | 0 | 0 | 69.4 | 26.6 | 1.4 | 0 | 2.3 | 0.5 | 0 | 0 | 0 |
| 6 | 06/30/2010 | 06/30/2010 | 214 | 313,170 | 0 | 0.5 | 0 | 0 | 20.6 | 74.8 | 1.4 | 0 | 0.9 | 1.9 | 0 | 0 | 0 |
| 7 | 07/01/2010 | 07/01/2010 | 218 | 482,668 | 0 | 0 | 0.5 | 0 | 40.4 | 56.4 | 0.5 | 0 | 1.4 | 0.9 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***1,643*** | ***2,778,791*** | ***0.1*** | ***0.1*** | ***0.2*** | ***0*** | ***40.4*** | ***55.4*** | ***1.2*** | ***0*** | ***1.6*** | ***1.1*** | ***0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | ***1.0*** | | | ***38.0*** | ***57.0*** | ***1.0*** | | ***2.0*** | ***1.0*** | | | |
| ***Sampling Group: 325-30-300-101 Wood River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/19/2010 | 06/30/2010 | 259 | 580,794 | 0 | 0 | 0 | 0.4 | 81.1 | 16.2 | 0.4 | 0 | 1.9 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***259*** | ***580,794*** | ***0*** | ***0*** | ***0*** | ***0.4*** | ***81.1*** | ***16.2*** | ***0.4*** | ***0*** | ***1.9*** | ***0*** | ***0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***44.0*** | ***53.0*** | | | ***2.0*** | ***1.0*** | | | |
| ***Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/06/2010 | 06/30/2010 | 73 | 121,402 | 0 | 0 | 1.4 | 0 | 17.8 | 78.1 | 1.4 | 0 | 0 | 1.4 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***73*** | ***121,402*** | ***0*** | ***0*** | ***1.4*** | ***0*** | ***17.8*** | ***78.1*** | ***1.4*** | ***0*** | ***0*** | ***1.4*** | ***0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | ***1.0*** | | | ***13.0*** | ***80.0*** | ***5.0*** | | ***0.0*** | ***1.0*** | | | |
| **District Total** | | | **1,975** | **3,645,459** | **0.0** | **0.1** | **0.2** | **0.1** | **46.4** | **49.6** | **1.1** | **0** | **1.6** | **0.9** | **0** | **0** | **0** |
| **District: 326 - Togiak District** | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 326-70 Togiak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 06/30/2010 | 0 | 17,468 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***0*** | ***17,468*** | | | | | | | | | | | | | |
| ***Sampling Group Forecast*** | | | | | | | | | ***14.0*** | ***76.0*** | | | ***6.0*** | ***4.0*** | | | |
| **District Total** | | | **0** | **17,468** | | | | | | | | | | | | | |
| **Species Total (non-test fishing)** | | | **8,663** | **9,334,387** | **0.0** | **0.0** | **0.1** | **0.0** | **31.6** | **36.5** | **0.6** | **0.3** | **21.1** | **9.6** | **0.1** | **0.0** | **0.1** |

Port Moller 2010

## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jul 7, 2010 12:45:15 PM**

Last time Escapement Data downloaded: 07/07/2010 12:39:39 PM
Last time Harvest Data downloaded: 07/07/2010 12:40:38 PM

| Period | Start | End | Sample | Index | Age Composition | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 02 | 03 | 04 | 11 | 12 | 13 | 14 | 21 | 22 | 23 | 24 | 31 | 32 |
| **Species: Sockeye** | | | | | | | | | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/18/2010 | 125 | 154 | 0 | 0 | 0 | 0 | 27.2 | 50.4 | 0 | 0 | 12.8 | 9.6 | 0 | 0 | 0 |
| 2 | 06/19/2010 | 06/20/2010 | 188 | 123 | 0 | 0 | 0 | 0 | 25.0 | 52.1 | 0 | 0 | 14.9 | 8.0 | 0 | 0 | 0 |
| 3 | 06/21/2010 | 06/22/2010 | 492 | 325 | 0 | 0 | 0 | 0 | 29.7 | 49.2 | 0 | 0 | 13.6 | 7.5 | 0 | 0 | 0 |
| 4 | 06/23/2010 | 06/24/2010 | 440 | 233 | 0 | 0 | 0 | 0 | 23.4 | 47.3 | 0.5 | 0 | 18.6 | 10.2 | 0 | 0 | 0 |
| 5 | 06/25/2010 | 06/26/2010 | 145 | 134 | 0 | 0 | 0 | 0 | 25.5 | 41.4 | 0 | 0 | 17.2 | 15.9 | 0 | 0 | 0 |
| 6 | 06/28/2010 | 06/29/2010 | 244 | 112 | 0 | 0 | 0 | 0 | 23.4 | 52.5 | 0.4 | 0 | 10.7 | 13.1 | 0 | 0 | 0 |
| 7 | 06/30/2010 | 06/30/2010 | 139 | 61 | 0 | 0 | 0.7 | 0 | 23.0 | 45.3 | 0 | 0 | 23.7 | 7.2 | 0 | 0 | 0 |
| 8 | 07/01/2010 | 07/01/2010 | 467 | 181 | 0 | 0 | 0.2 | 0 | 21.2 | 57.6 | 0.4 | 0 | 11.6 | 8.8 | 0 | 0 | 0.2 |
| 9 | 07/02/2010 | 07/02/2010 | 243 | 112 | 0 | 0 | 0 | 0 | 22.2 | 46.5 | 0 | 0 | 23.0 | 8.2 | 0 | 0 | 0 |
| 10 | 07/03/2010 | 07/03/2010 | 348 | 174 | 0 | 0 | 0 | 0 | 23.6 | 43.7 | 0 | 0 | 19.5 | 13.2 | 0 | 0 | 0 |
| 11 | 07/04/2010 | 07/04/2010 | 0 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***2,831*** | ***1,688*** | ***0*** | ***0*** | ***0.1*** | ***0*** | ***25.0*** | ***48.8*** | ***0.1*** | ***0*** | ***15.9*** | ***10.0*** | ***0*** | ***0*** | ***0.0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***29.0*** | ***39.0*** | | | ***16.0*** | ***15.0*** | | | |
| **District Total** | | | **2,831** | **1,688** | **0** | **0** | **0.1** | **0** | **25.0** | **48.8** | **0.1** | **0** | **15.9** | **10.0** | **0** | **0** | **0.0** |
| **District: 321 - Ugashik District** | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/14/2010 | 06/22/2010 | 268 | 19,889 | 0 | 0 | 0 | 0 | 13.4 | 53.4 | 0 | 0 | 17.5 | 15.7 | 0 | 0 | 0 |
| 2 | 06/23/2010 | 06/24/2010 | 368 | 40,142 | 0 | 0 | 0 | 0 | 7.6 | 56.2 | 0.5 | 0 | 17.9 | 17.7 | 0 | 0 | 0 |
| 3 | 06/25/2010 | 06/27/2010 | 388 | 222,396 | 0 | 0 | 0 | 0 | 11.3 | 55.7 | 0.3 | 0 | 18.6 | 14.2 | 0 | 0 | 0 |
| 4 | 06/28/2010 | 06/29/2010 | 339 | 255,961 | 0 | 0.3 | 0.3 | 0 | 8.8 | 55.5 | 0.6 | 0 | 22.4 | 11.8 | 0 | 0 | 0.3 |
| 5 | 06/30/2010 | 07/02/2010 | 365 | 519,917 | 0 | 0 | 0 | 0 | 9.0 | 47.4 | 0 | 0 | 28.2 | 15.3 | 0 | 0 | 0 |
| 6 | 07/03/2010 | 07/04/2010 | 349 | 353,599 | 0 | 0 | 0 | 0 | 13.8 | 49.6 | 0 | 0 | 24.6 | 12.0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***2,077*** | ***1,411,904*** | ***0*** | ***0.1*** | ***0.1*** | ***0*** | ***10.6*** | ***51.0*** | ***0.2*** | ***0*** | ***24.3*** | ***13.8*** | ***0*** | ***0*** | ***0.1*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***51.0*** | ***30.0*** | | | ***10.0*** | ***10.0*** | | | |
| **District Total** | | | **2,077** | **1,411,904** | **0** | **0.1** | **0.1** | **0** | **10.6** | **51.0** | **0.2** | **0** | **24.3** | **13.8** | **0** | **0** | **0.1** |
| **District: 322 - Egegik District** | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 47,027 | 0 | 0 | 0 | 0 | 10.5 | 19.7 | 0 | 0 | 48.0 | 21.7 | 0 | 0 | 0 |
| 2 | 06/20/2010 | 06/22/2010 | 312 | 73,314 | 0 | 0 | 0 | 0 | 12.2 | 22.4 | 0 | 0 | 42.0 | 23.4 | 0 | 0 | 0 |
| 3 | 06/23/2010 | 06/24/2010 | 417 | 219,681 | 0 | 0 | 0 | 0 | 12.5 | 20.6 | 0 | 0.2 | 46.3 | 20.4 | 0 | 0 | 0 |
| 4 | 06/25/2010 | 06/26/2010 | 377 | 667,558 | 0 | 0 | 0 | 0 | 9.3 | 18.6 | 0 | 0 | 46.2 | 25.7 | 0.3 | 0 | 0 |
| 5 | 06/27/2010 | 06/28/2010 | 516 | 675,648 | 0 | 0 | 0 | 0 | 15.9 | 19.0 | 0 | 0 | 47.1 | 17.8 | 0.2 | 0 | 0 |

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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 06/29/2010 | 06/30/2010 | 377 | 331,970 | 0 | 0 | 0 | 0 | 12.7 | 12.7 | 0 | 0.5 | 53.3 | 20.4 | 0 | 0 | 0.3 |
| 7 | 07/01/2010 | 07/03/2010 | 345 | 702,795 | 0 | 0 | 0 | 0 | 7.8 | 26.4 | 0 | 0 | 38.6 | 26.1 | 0 | 0 | 1.2 |
| 8 | 07/04/2010 | 07/04/2010 | 393 | 295,730 | 0 | 0 | 0 | 0 | 8.7 | 20.1 | 0 | 0 | 44.0 | 26.5 | 0.3 | 0 | 0.5 |
| | ***Sampling Group Total*** | | ***2,889*** | ***3,013,723*** | ***0*** | ***0*** | ***0*** | ***0*** | ***11.1*** | ***20.3*** | ***0*** | ***0.1*** | ***45.1*** | ***23.0*** | ***0.1*** | ***0*** | ***0.3*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | |
| | ***Sampling Group: 322-00-100-101 Egegik River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/18/2010 | 06/30/2010 | 213 | 161,754 | 0 | 0 | 0 | 0.9 | 6.6 | 1.4 | 0 | 16.9 | 66.2 | 7.0 | 0 | 0.5 | 0.5 |
| | ***Sampling Group Total*** | | ***213*** | ***161,754*** | ***0*** | ***0*** | ***0*** | ***0.9*** | ***6.6*** | ***1.4*** | ***0*** | ***16.9*** | ***66.2*** | ***7.0*** | ***0*** | ***0.5*** | ***0.5*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | |
| **District Total** | | | **3,102** | **3,175,477** | **0** | **0** | **0** | **0.0** | **10.8** | **19.3** | **0** | **0.9** | **46.2** | **22.2** | **0.1** | **0.0** | **0.4** |

**District: 324 - Naknek-Kvichak District**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/15/2010 | 06/21/2010 | 403 | 25,597 | 0 | 0 | 0 | 0 | 26.3 | 48.6 | 0 | 0 | 12.4 | 12.7 | 0 | 0 | 0 |
| 2 | 06/22/2010 | 06/25/2010 | 647 | 125,831 | 0 | 0 | 0 | 0.2 | 21.3 | 51.3 | 0.2 | 0 | 12.8 | 14.2 | 0 | 0 | 0 |
| 3 | 06/26/2010 | 06/28/2010 | 343 | 928,056 | 0 | 0 | 0 | 0 | 37.0 | 28.0 | 0.9 | 0 | 25.1 | 8.5 | 0 | 0 | 0.6 |
| 4 | 06/29/2010 | 06/30/2010 | 298 | 278,995 | 0 | 0 | 0 | 0 | 23.2 | 31.5 | 0.3 | 0 | 28.5 | 16.4 | 0 | 0 | 0 |
| 5 | 07/01/2010 | 07/02/2010 | 758 | 746,635 | 0 | 0 | 0 | 0 | 21.0 | 35.9 | 0.1 | 0 | 29.2 | 13.9 | 0 | 0 | 0 |
| 6 | 07/03/2010 | 07/04/2010 | 210 | 722,310 | 0 | 0 | 0 | 0 | 20.0 | 44.8 | 0 | 0 | 23.8 | 11.4 | 0 | 0 | 0 |
| 7 | 07/05/2010 | 07/06/2010 | 308 | 907,981 | 0 | 0 | 0 | 0 | 18.5 | 36.0 | 0.6 | 0 | 26.3 | 18.5 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***2,967*** | ***3,735,405*** | ***0*** | ***0*** | ***0*** | ***0.0*** | ***24.4*** | ***36.0*** | ***0.4*** | ***0*** | ***25.7*** | ***13.4*** | ***0*** | ***0*** | ***0.1*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | | | |
| | ***Sampling Group: 324-10-500-101 Alagnak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 07/07/2010 | 45 | 0 | 0 | 0 | 0 | 0 | 40.0 | 57.8 | 0 | 0 | 0 | 2.2 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***45*** | ***0*** | | | | | | | | | | | | | |
| | ***Sampling Group Forecast*** | | | | | | | | ***27.0*** | ***61.0*** | | | ***6.0*** | ***6.0*** | | | |
| | ***Sampling Group: 324-11 Kvichak Section Harvest - Set (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 06/30/2010 | 205 | 187,085 | 0 | 0 | 0 | 0 | 46.3 | 26.3 | 0 | 0 | 22.0 | 5.4 | 0 | 0 | 0 |
| 2 | 07/01/2010 | 07/02/2010 | 220 | 98,645 | 0 | 0 | 0 | 0 | 21.4 | 47.7 | 0 | 0 | 22.7 | 8.2 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***425*** | ***285,730*** | ***0*** | ***0*** | ***0*** | ***0*** | ***37.7*** | ***33.7*** | ***0*** | ***0*** | ***22.2*** | ***6.3*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***39.0*** | ***28.0*** | | | ***33.0*** | ***1.0*** | | | |
| | ***Sampling Group: 324-20-600-101 Naknek River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/19/2010 | 06/30/2010 | 365 | 359,814 | 0 | 0 | 0 | 0.3 | 41.9 | 35.6 | 0 | 1.1 | 13.4 | 7.7 | 0 | 0 | 0 |
| 2 | 07/01/2010 | 07/08/2010 | 251 | 485,088 | 0 | 0 | 0 | 0.4 | 51.4 | 24.3 | 0 | 1.2 | 13.9 | 8.8 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***616*** | ***844,902*** | ***0*** | ***0*** | ***0*** | ***0.3*** | ***47.4*** | ***29.1*** | ***0*** | ***1.2*** | ***13.7*** | ***8.3*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***23.0*** | ***53.0*** | | | ***11.0*** | ***13.0*** | | | |
| **District Total** | | | **4,053** | **4,866,037** | **0** | **0** | **0** | **0.1** | **29.2** | **34.6** | **0.3** | **0.2** | **23.4** | **12.1** | **0** | **0** | **0.1** |

**District: 325 - Nushagak District**

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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Sampling Group: 325-10-100-101 Igushik River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/24/2010 | 07/09/2010 | 120 | 275,766 | 0 | 0 | 0 | 0 | 3.3 | 95.0 | 0 | 0 | 0.8 | 0 | 0 | 0.8 | 0 |
| ***Sampling Group Total*** | | | ***120*** | ***275,766*** | ***0*** | ***0*** | ***0*** | ***0*** | ***3.3*** | ***95.0*** | ***0*** | ***0*** | ***0.8*** | ***0*** | ***0*** | ***0.8*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***31.0*** | ***67.0*** | | | ***1.0*** | ***1.0*** | | | |
| ***Sampling Group: 325-11 Igushik Section Harvest - Set (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/16/2010 | 07/20/2010 | 390 | 219,763 | 0 | 0 | 0 | 0 | 14.9 | 82.3 | 0.3 | 0 | 2.6 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***390*** | ***219,763*** | ***0*** | ***0*** | ***0*** | ***0*** | ***14.9*** | ***82.3*** | ***0.3*** | ***0*** | ***2.6*** | ***0*** | ***0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***31.0*** | ***67.0*** | | | ***1.0*** | ***1.0*** | | | |
| ***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/25/2010 | 314 | 316,023 | 0 | 0 | 0.6 | 0 | 49.7 | 48.4 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | 0 |
| 2 | 06/26/2010 | 06/27/2010 | 475 | 718,420 | 0.2 | 0.2 | 0.2 | 0 | 43.8 | 53.3 | 1.5 | 0 | 0.4 | 0.4 | 0 | 0 | 0 |
| 3 | 06/28/2010 | 06/29/2010 | 422 | 919,581 | 0 | 0 | 0 | 0 | 50.2 | 44.1 | 1.4 | 0 | 3.1 | 1.2 | 0 | 0 | 0 |
| 4 | 06/30/2010 | 07/01/2010 | 432 | 797,993 | 0 | 0.2 | 0.2 | 0 | 30.6 | 65.5 | 0.9 | 0 | 1.2 | 1.4 | 0 | 0 | 0 |
| 5 | 07/02/2010 | 07/03/2010 | 241 | 712,665 | 0 | 0 | 0.8 | 0 | 36.5 | 59.8 | 0 | 0 | 1.7 | 1.2 | 0 | 0 | 0 |
| 6 | 07/04/2010 | 07/05/2010 | 165 | 939,958 | 0 | 0 | 0 | 0 | 53.9 | 39.4 | 1.8 | 0 | 3.6 | 1.2 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***2,049*** | ***4,404,640*** | ***0.0*** | ***0.1*** | ***0.3*** | ***0*** | ***44.1*** | ***51.3*** | ***1.1*** | ***0*** | ***2.0*** | ***1.1*** | ***0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | ***1.0*** | | | ***38.0*** | ***57.0*** | ***1.0*** | | ***2.0*** | ***1.0*** | | | |
| ***Sampling Group: 325-30-300-101 Wood River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/19/2010 | 06/30/2010 | 259 | 580,794 | 0 | 0 | 0 | 0.4 | 81.1 | 16.2 | 0.4 | 0 | 1.9 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***259*** | ***580,794*** | ***0*** | ***0*** | ***0*** | ***0.4*** | ***81.1*** | ***16.2*** | ***0.4*** | ***0*** | ***1.9*** | ***0*** | ***0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***44.0*** | ***53.0*** | | | ***2.0*** | ***1.0*** | | | |
| ***Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/06/2010 | 06/30/2010 | 73 | 121,402 | 0 | 0 | 1.4 | 0 | 17.8 | 78.1 | 1.4 | 0 | 0 | 1.4 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***73*** | ***121,402*** | ***0*** | ***0*** | ***1.4*** | ***0*** | ***17.8*** | ***78.1*** | ***1.4*** | ***0*** | ***0*** | ***1.4*** | ***0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | ***1.0*** | | | ***13.0*** | ***80.0*** | ***5.0*** | | ***0.0*** | ***1.0*** | | | |
| **District Total** | | | **2,891** | **5,602,365** | **0.0** | **0.1** | **0.2** | **0.0** | **44.2** | **51.6** | **1.0** | **0** | **1.9** | **0.9** | **0** | **0.0** | **0** |
| **District: 326 - Togiak District** | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 326-70 Togiak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 06/30/2010 | 0 | 17,468 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***0*** | ***17,468*** | | | | | | | | | | | | | |
| ***Sampling Group Forecast*** | | | | | | | | | ***14.0*** | ***76.0*** | | | ***6.0*** | ***4.0*** | | | |
| **District Total** | | | **0** | **17,468** | | | | | | | | | | | | | |
| **Species Total (non-test fishing)** | | | **12,123** | **15,073,251** | **0.0** | **0.0** | **0.1** | **0.0** | **29.2** | **39.3** | **0.5** | **0.3** | **20.3** | **10.2** | **0.0** | **0.0** | **0.1** |

Port Moller 2010

## Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

**Printed: Jul 10, 2010 7:22:53 AM**

Last time Escapement Data downloaded: 07/09/2010 03:22:00 PM
Last time Harvest Data downloaded: 07/09/2010 03:23:06 PM

| | | | | | Age Composition | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 02 | 03 | 04 | 11 | 12 | 13 | 14 | 21 | 22 | 23 | 24 | 31 | 32 | 46 |
| **Species: Sockeye** | | | | | | | | | | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/18/2010 | 125 | 154 | 0 | 0 | 0 | 0 | 27.2 | 50.4 | 0 | 0 | 12.8 | 9.6 | 0 | 0 | 0 | 0 |
| 2 | 06/19/2010 | 06/20/2010 | 188 | 123 | 0 | 0 | 0 | 0 | 25.0 | 52.1 | 0 | 0 | 14.9 | 8.0 | 0 | 0 | 0 | 0 |
| 3 | 06/21/2010 | 06/22/2010 | 492 | 325 | 0 | 0 | 0 | 0 | 29.7 | 49.2 | 0 | 0 | 13.6 | 7.5 | 0 | 0 | 0 | 0 |
| 4 | 06/23/2010 | 06/24/2010 | 440 | 233 | 0 | 0 | 0 | 0 | 23.4 | 47.3 | 0.5 | 0 | 18.6 | 10.2 | 0 | 0 | 0 | 0 |
| 5 | 06/25/2010 | 06/26/2010 | 145 | 134 | 0 | 0 | 0 | 0 | 25.5 | 41.4 | 0 | 0 | 17.2 | 15.9 | 0 | 0 | 0 | 0 |
| 6 | 06/28/2010 | 06/29/2010 | 244 | 112 | 0 | 0 | 0 | 0 | 23.4 | 52.5 | 0.4 | 0 | 10.7 | 13.1 | 0 | 0 | 0 | 0 |
| 7 | 06/30/2010 | 07/01/2010 | 606 | 242 | 0 | 0 | 0.3 | 0 | 21.6 | 54.8 | 0.3 | 0 | 14.4 | 8.4 | 0 | 0 | 0.2 | 0 |
| 8 | 07/02/2010 | 07/03/2010 | 591 | 286 | 0 | 0 | 0 | 0 | 23.0 | 44.8 | 0 | 0 | 21.0 | 11.2 | 0 | 0 | 0 | 0 |
| 9 | 07/04/2010 | 07/05/2010 | 372 | 170 | 0 | 0 | 0.3 | 0 | 15.9 | 54.6 | 0.5 | 0 | 18.3 | 10.5 | 0 | 0 | 0 | 0 |
| 10 | 07/06/2010 | 07/07/2010 | 374 | 181 | 0 | 0.3 | 0 | 0 | 16.8 | 50.5 | 0.3 | 0 | 16.6 | 15.5 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***3,577*** | ***1,960*** | ***0*** | ***0.0*** | ***0.1*** | ***0*** | ***23.4*** | ***49.5*** | ***0.2*** | ***0*** | ***16.2*** | ***10.6*** | ***0*** | ***0*** | ***0.0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***29.0*** | ***39.0*** | | | ***16.0*** | ***15.0*** | | | | |
| **District Total** | | | **3,577** | **1,960** | **0** | **0.0** | **0.1** | **0** | **23.4** | **49.5** | **0.2** | **0** | **16.2** | **10.6** | **0** | **0** | **0.0** | **0** |
| **District: 321 - Ugashik District** | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/14/2010 | 06/22/2010 | 268 | 19,889 | 0 | 0 | 0 | 0 | 13.4 | 53.4 | 0 | 0 | 17.5 | 15.7 | 0 | 0 | 0 | 0 |
| 2 | 06/23/2010 | 06/24/2010 | 368 | 40,142 | 0 | 0 | 0 | 0 | 7.6 | 56.2 | 0.5 | 0 | 17.9 | 17.7 | 0 | 0 | 0 | 0 |
| 3 | 06/25/2010 | 06/27/2010 | 388 | 222,396 | 0 | 0 | 0 | 0 | 11.3 | 55.7 | 0.3 | 0 | 18.6 | 14.2 | 0 | 0 | 0 | 0 |
| 4 | 06/28/2010 | 06/29/2010 | 339 | 255,961 | 0 | 0.3 | 0.3 | 0 | 8.8 | 55.5 | 0.6 | 0 | 22.4 | 11.8 | 0 | 0 | 0.3 | 0 |
| 5 | 06/30/2010 | 07/02/2010 | 365 | 519,917 | 0 | 0 | 0 | 0 | 9.0 | 47.4 | 0 | 0 | 28.2 | 15.3 | 0 | 0 | 0 | 0 |
| 6 | 07/03/2010 | 07/05/2010 | 349 | 353,599 | 0 | 0 | 0 | 0 | 13.8 | 49.6 | 0 | 0 | 24.6 | 12.0 | 0 | 0 | 0 | 0 |
| 7 | 07/06/2010 | 07/07/2010 | 202 | 346,746 | 0 | 0 | 0 | 0 | 12.4 | 52.0 | 0 | 0 | 25.2 | 9.9 | 0 | 0 | 0 | 0.5 |
| ***Sampling Group Total*** | | | ***2,279*** | ***1,758,650*** | ***0*** | ***0.0*** | ***0.0*** | ***0*** | ***10.9*** | ***51.2*** | ***0.1*** | ***0*** | ***24.5*** | ***13.0*** | ***0*** | ***0*** | ***0.0*** | ***0.1*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***51.0*** | ***30.0*** | | | ***10.0*** | ***10.0*** | | | | |
| **District Total** | | | **2,279** | **1,758,650** | **0** | **0.0** | **0.0** | **0** | **10.9** | **51.2** | **0.1** | **0** | **24.5** | **13.0** | **0** | **0** | **0.0** | **0.1** |
| **District: 322 - Egegik District** | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 47,027 | 0 | 0 | 0 | 0 | 10.5 | 19.7 | 0 | 0 | 48.0 | 21.7 | 0 | 0 | 0 | 0 |
| 2 | 06/20/2010 | 06/22/2010 | 312 | 73,314 | 0 | 0 | 0 | 0 | 12.2 | 22.4 | 0 | 0 | 42.0 | 23.4 | 0 | 0 | 0 | 0 |
| 3 | 06/23/2010 | 06/24/2010 | 417 | 219,681 | 0 | 0 | 0 | 0 | 12.5 | 20.6 | 0 | 0.2 | 46.3 | 20.4 | 0 | 0 | 0 | 0 |
| 4 | 06/25/2010 | 06/26/2010 | 377 | 667,558 | 0 | 0 | 0 | 0 | 9.3 | 18.6 | 0 | 0 | 46.2 | 25.7 | 0.3 | 0 | 0 | 0 |
| 5 | 06/27/2010 | 06/28/2010 | 516 | 675,648 | 0 | 0 | 0 | 0 | 15.9 | 19.0 | 0 | 0 | 47.1 | 17.8 | 0.2 | 0 | 0 | 0 |
| 6 | 06/29/2010 | 06/30/2010 | 377 | 331,970 | 0 | 0 | 0 | 0 | 12.7 | 12.7 | 0 | 0.5 | 53.3 | 20.4 | 0 | 0 | 0.3 | 0 |

Port Moller 2010

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 07/01/2010 | 07/03/2010 | 345 | 702,795 | 0 | 0 | 0 | 0 | 7.8 | 26.4 | 0 | 0 | 38.6 | 26.1 | 0 | 0 | 1.2 | 0 |
| 8 | 07/04/2010 | 07/05/2010 | 393 | 408,034 | 0 | 0 | 0 | 0 | 8.7 | 20.1 | 0 | 0 | 44.0 | 26.5 | 0.3 | 0 | 0.5 | 0 |
| 9 | 07/06/2010 | 07/07/2010 | 420 | 517,481 | 0 | 0 | 0 | 0 | 8.3 | 11.0 | 0.2 | 0.2 | 42.6 | 36.7 | 0 | 0 | 1.0 | 0 |
| 10 | 07/08/2010 | 07/09/2010 | 205 | 359,816 | 0 | 0 | 0 | 0 | 19.0 | 6.3 | 0 | 1.5 | 60.0 | 11.7 | 0 | 0 | 1.5 | 0 |
| | ***Sampling Group Total*** | | ***3,514*** | ***4,003,324*** | ***0*** | ***0*** | ***0*** | ***0*** | ***11.4*** | ***17.8*** | ***0.0*** | ***0.2*** | ***46.1*** | ***23.9*** | ***0.1*** | ***0*** | ***0.5*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | | |
| | ***Sampling Group: 322-00-100-101 Egegik River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/18/2010 | 06/30/2010 | 213 | 161,754 | 0 | 0 | 0 | 0.9 | 6.6 | 1.4 | 0 | 16.9 | 66.2 | 7.0 | 0 | 0.5 | 0.5 | 0 |
| | ***Sampling Group Total*** | | ***213*** | ***161,754*** | ***0*** | ***0*** | ***0*** | ***0.9*** | ***6.6*** | ***1.4*** | ***0*** | ***16.9*** | ***66.2*** | ***7.0*** | ***0*** | ***0.5*** | ***0.5*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | | |
| **District Total** | | | **3,727** | **4,165,078** | **0** | **0** | **0** | **0.0** | **11.2** | **17.2** | **0.0** | **0.9** | **46.9** | **23.2** | **0.1** | **0.0** | **0.5** | **0** |

**District: 324 - Naknek-Kvichak District**

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/15/2010 | 06/21/2010 | 403 | 25,597 | 0 | 0 | 0 | 0 | 26.3 | 48.6 | 0 | 0 | 12.4 | 12.7 | 0 | 0 | 0 | 0 |
| 2 | 06/22/2010 | 06/25/2010 | 647 | 125,831 | 0 | 0 | 0 | 0.2 | 21.3 | 51.3 | 0.2 | 0 | 12.8 | 14.2 | 0 | 0 | 0 | 0 |
| 3 | 06/26/2010 | 06/28/2010 | 343 | 928,056 | 0 | 0 | 0 | 0 | 37.0 | 28.0 | 0.9 | 0 | 25.1 | 8.5 | 0 | 0 | 0.6 | 0 |
| 4 | 06/29/2010 | 06/30/2010 | 298 | 278,995 | 0 | 0 | 0 | 0 | 23.2 | 31.5 | 0.3 | 0 | 28.5 | 16.4 | 0 | 0 | 0 | 0 |
| 5 | 07/01/2010 | 07/02/2010 | 758 | 746,635 | 0 | 0 | 0 | 0 | 21.0 | 35.9 | 0.1 | 0 | 29.2 | 13.9 | 0 | 0 | 0 | 0 |
| 6 | 07/03/2010 | 07/04/2010 | 210 | 722,310 | 0 | 0 | 0 | 0 | 20.0 | 44.8 | 0 | 0 | 23.8 | 11.4 | 0 | 0 | 0 | 0 |
| 7 | 07/05/2010 | 07/06/2010 | 308 | 907,981 | 0 | 0 | 0 | 0 | 18.5 | 36.0 | 0.6 | 0 | 26.3 | 18.5 | 0 | 0 | 0 | 0 |
| 8 | 07/07/2010 | 07/08/2010 | 314 | 710,420 | 0 | 0 | 0 | 0 | 23.6 | 30.9 | 0.3 | 0 | 31.2 | 14.0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***3,281*** | ***4,445,825*** | ***0*** | ***0*** | ***0*** | ***0.0*** | ***24.3*** | ***35.1*** | ***0.4*** | ***0*** | ***26.6*** | ***13.5*** | ***0*** | ***0*** | ***0.1*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | | | | |
| | ***Sampling Group: 324-10-100-101 Kvichak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/20/2010 | 07/04/2010 | 213 | 385,056 | 0 | 0 | 0 | 0 | 41.3 | 14.1 | 0 | 0 | 39.0 | 5.6 | 0 | 0 | 0 | 0 |
| 2 | 07/05/2010 | 07/12/2010 | 137 | 1,456,308 | 0 | 0 | 0 | 0 | 49.6 | 7.3 | 0 | 0 | 38.0 | 5.1 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***350*** | ***1,841,364*** | ***0*** | ***0*** | ***0*** | ***0*** | ***47.9*** | ***8.7*** | ***0*** | ***0*** | ***38.2*** | ***5.2*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***45.0*** | ***25.0*** | | | ***17.0*** | ***12.0*** | | | | |
| | ***Sampling Group: 324-10-500-101 Alagnak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 07/07/2010 | 128 | 0 | 0 | 0 | 0 | 0 | 32.0 | 64.1 | 0 | 0 | 0.8 | 3.1 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***128*** | ***0*** | | | | | | | | | | | | | | |
| | ***Sampling Group Forecast*** | | | | | | | | ***27.0*** | ***61.0*** | | | ***6.0*** | ***6.0*** | | | | |
| | ***Sampling Group: 324-11 Kvichak Section Harvest - Set (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 06/30/2010 | 205 | 187,085 | 0 | 0 | 0 | 0 | 46.3 | 26.3 | 0 | 0 | 22.0 | 5.4 | 0 | 0 | 0 | 0 |
| 2 | 07/01/2010 | 07/04/2010 | 220 | 219,020 | 0 | 0 | 0 | 0 | 21.4 | 47.7 | 0 | 0 | 22.7 | 8.2 | 0 | 0 | 0 | 0 |
| 3 | 07/05/2010 | 07/09/2010 | 163 | 292,782 | 0 | 0 | 0 | 0 | 26.4 | 28.8 | 0 | 0 | 35.6 | 9.2 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***588*** | ***698,887*** | ***0*** | ***0*** | ***0*** | ***0*** | ***30.2*** | ***34.1*** | ***0*** | ***0*** | ***27.9*** | ***7.9*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***39.0*** | ***28.0*** | | | ***33.0*** | ***1.0*** | | | | |
| | ***Sampling Group: 324-20-600-101 Naknek River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | |

Port Moller 2010

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/19/2010 | 06/30/2010 | 365 | 359,814 | 0 | 0 | 0 | 0.3 | 41.9 | 35.6 | 0 | 1.1 | 13.4 | 7.7 | 0 | 0 | 0 | 0 |
| 2 | 07/01/2010 | 07/08/2010 | 391 | 737,616 | 0 | 0 | 0 | 1.0 | 44.0 | 28.9 | 0 | 1.3 | 13.3 | 11.5 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***756*** | ***1,097,430*** | ***0*** | ***0*** | ***0*** | ***0.8*** | ***43.3*** | ***31.1*** | ***0*** | ***1.2*** | ***13.3*** | ***10.3*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***23.0*** | ***53.0*** | | | ***11.0*** | ***13.0*** | | | | |
| **District Total** | | | **5,103** | **8,083,506** | **0** | **0** | **0** | **0.1** | **32.7** | **28.5** | **0.2** | **0.2** | **27.5** | **10.7** | **0** | **0** | **0.1** | **0** |

**District: 325 - Nushagak District**

***Sampling Group: 325-10-100-101 Igushik River Escapement (Index Type: Escapement)***

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/24/2010 | 07/04/2010 | 120 | 242,994 | 0 | 0 | 0 | 0 | 3.3 | 95.0 | 0 | 0 | 0.8 | 0 | 0 | 0.8 | 0 | 0 |
| 2 | 07/05/2010 | 07/23/2010 | 0 | 52,752 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***120*** | ***295,746*** | ***0*** | ***0*** | ***0*** | ***0*** | ***3.3*** | ***95.0*** | ***0*** | ***0*** | ***0.8*** | ***0*** | ***0*** | ***0.8*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***31.0*** | ***67.0*** | | | ***1.0*** | ***1.0*** | | | | |

***Sampling Group: 325-11 Igushik Section Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/16/2010 | 07/20/2010 | 474 | 601,930 | 0 | 0 | 0 | 0 | 12.7 | 83.3 | 0.6 | 0 | 2.5 | 0.8 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***474*** | ***601,930*** | ***0*** | ***0*** | ***0*** | ***0*** | ***12.7*** | ***83.3*** | ***0.6*** | ***0*** | ***2.5*** | ***0.8*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***31.0*** | ***67.0*** | | | ***1.0*** | ***1.0*** | | | | |

***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/10/2010 | 06/25/2010 | 314 | 316,023 | 0 | 0 | 0.6 | 0 | 49.7 | 48.4 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 |
| 2 | 06/26/2010 | 06/27/2010 | 475 | 718,420 | 0.2 | 0.2 | 0.2 | 0 | 43.8 | 53.3 | 1.5 | 0 | 0.4 | 0.4 | 0 | 0 | 0 | 0 |
| 3 | 06/28/2010 | 06/29/2010 | 422 | 919,581 | 0 | 0 | 0 | 0 | 50.2 | 44.1 | 1.4 | 0 | 3.1 | 1.2 | 0 | 0 | 0 | 0 |
| 4 | 06/30/2010 | 07/01/2010 | 432 | 797,993 | 0 | 0.2 | 0.2 | 0 | 30.6 | 65.5 | 0.9 | 0 | 1.2 | 1.4 | 0 | 0 | 0 | 0 |
| 5 | 07/02/2010 | 07/03/2010 | 241 | 712,665 | 0 | 0 | 0.8 | 0 | 36.5 | 59.8 | 0 | 0 | 1.7 | 1.2 | 0 | 0 | 0 | 0 |
| 6 | 07/04/2010 | 07/05/2010 | 330 | 932,479 | 0.3 | 0 | 0 | 0 | 67.0 | 27.3 | 0.9 | 0 | 3.6 | 0.9 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***2,214*** | ***4,397,161*** | ***0.1*** | ***0.1*** | ***0.3*** | ***0*** | ***46.9*** | ***48.8*** | ***0.9*** | ***0*** | ***2.0*** | ***1.0*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***1.0*** | | | ***38.0*** | ***57.0*** | ***1.0*** | | ***2.0*** | ***1.0*** | | | | |

***Sampling Group: 325-30-300-101 Wood River Escapement (Index Type: Escapement)***

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/19/2010 | 06/30/2010 | 259 | 580,794 | 0 | 0 | 0 | 0.4 | 81.1 | 16.2 | 0.4 | 0 | 1.9 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***259*** | ***580,794*** | ***0*** | ***0*** | ***0*** | ***0.4*** | ***81.1*** | ***16.2*** | ***0.4*** | ***0*** | ***1.9*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***44.0*** | ***53.0*** | | | ***2.0*** | ***1.0*** | | | | |

***Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement)***

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 06/06/2010 | 06/30/2010 | 247 | 121,402 | 0.4 | 0.4 | 1.2 | 0 | 18.2 | 74.1 | 4.5 | 0 | 0.8 | 0.4 | 0 | 0 | 0 | 0 |
| 2 | 07/01/2010 | 07/18/2010 | 65 | 135,686 | 1.5 | 1.5 | 0 | 0 | 44.6 | 41.5 | 7.7 | 0 | 3.1 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***312*** | ***257,088*** | ***1.0*** | ***1.0*** | ***0.6*** | ***0*** | ***32.2*** | ***56.9*** | ***6.2*** | ***0*** | ***2.0*** | ***0.2*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | ***1.0*** | | | ***13.0*** | ***80.0*** | ***5.0*** | | ***0.0*** | ***1.0*** | | | | |

***Sampling Group: 325-40 Wood River SHA Harvest (Index Type: Harvest)***

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 07/06/2010 | 07/06/2010 | 241 | 64,442 | 0 | 0 | 0 | 0 | 34.0 | 61.0 | 0 | 0 | 2.1 | 2.9 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | | ***241*** | ***64,442*** | ***0*** | ***0*** | ***0*** | ***0*** | ***34.0*** | ***61.0*** | ***0*** | ***0*** | ***2.1*** | ***2.9*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | | ***49.0*** | ***46.0*** | | | ***4.0*** | ***1.0*** | | | | |

Port Moller 2010

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **District Total** | **3,620** | **6,197,161** | **0.1** | **0.1** | **0.2** | **0.0** | **44.3** | **51.4** | **1.0** | **0** | **2.0** | **0.8** | **0** | **0.0** | **0** | **0** |
| **District: 326 - Togiak District** | | | | | | | | | | | | | | | | |
| ***Sampling Group: 326-70 Togiak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | |
| 1 06/22/2010 06/30/2010 | 0 | 17,468 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | ***0*** | ***17,468*** | | | | | | | | | | | | | | |
| ***Sampling Group Forecast*** | | | | | | | ***14.0*** | ***76.0*** | | | ***6.0*** | ***4.0*** | | | | |
| **District Total** | **0** | **17,468** | | | | | | | | | | | | | | |
| **Species Total (non-test fishing)** | **14,729** | **20,221,863** | **0.0** | **0.0** | **0.1** | **0.1** | **29.9** | **35.1** | **0.4** | **0.2** | **23.5** | **10.5** | **0.0** | **0.0** | **0.1** | **0.0** |

# Bristol Bay Salmon Fishery - Age Composition Summary (Percent)

(Port Moller 2010)

**Printed: Jul 20, 2010 4:27:55 PM**

Last time Escapement Data downloaded: 07/20/2010 09:49:08 AM
Last time Harvest Data downloaded: 07/20/2010 09:51:00 AM

| | | | | | Age Composition | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Period | Start | End | Sample | Index | 02 | 03 | 04 | 11 | 12 | 13 | 14 | 21 | 22 | 23 | 24 | 31 | 32 | 33 | 46 |
| **Species: Sockeye** | | | | | | | | | | | | | | | | | | | |
| **District: 314 - Port Moller** | | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 314 Port Moller Test Fishery (Index Type: Port Moller)*** | | | | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/18/2010 | 125 | 154 | 0 | 0 | 0 | 0 | 27.2 | 50.4 | 0 | 0 | 12.8 | 9.6 | 0 | 0 | 0 | 0 | 0 |
| 2 | 06/19/2010 | 06/20/2010 | 188 | 123 | 0 | 0 | 0 | 0 | 25.0 | 52.1 | 0 | 0 | 14.9 | 8.0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 06/21/2010 | 06/22/2010 | 492 | 325 | 0 | 0 | 0 | 0 | 29.7 | 49.2 | 0 | 0 | 13.6 | 7.5 | 0 | 0 | 0 | 0 | 0 |
| 4 | 06/23/2010 | 06/24/2010 | 440 | 233 | 0 | 0 | 0 | 0 | 23.4 | 47.3 | 0.5 | 0 | 18.6 | 10.2 | 0 | 0 | 0 | 0 | 0 |
| 5 | 06/25/2010 | 06/26/2010 | 145 | 134 | 0 | 0 | 0 | 0 | 25.5 | 41.4 | 0 | 0 | 17.2 | 15.9 | 0 | 0 | 0 | 0 | 0 |
| 6 | 06/28/2010 | 06/29/2010 | 244 | 112 | 0 | 0 | 0 | 0 | 23.4 | 52.5 | 0.4 | 0 | 10.7 | 13.1 | 0 | 0 | 0 | 0 | 0 |
| 7 | 06/30/2010 | 07/01/2010 | 606 | 242 | 0 | 0 | 0.3 | 0 | 21.6 | 54.8 | 0.3 | 0 | 14.4 | 8.4 | 0 | 0 | 0.2 | 0 | 0 |
| 8 | 07/02/2010 | 07/03/2010 | 591 | 286 | 0 | 0 | 0 | 0 | 23.0 | 44.8 | 0 | 0 | 21.0 | 11.2 | 0 | 0 | 0 | 0 | 0 |
| 9 | 07/04/2010 | 07/05/2010 | 372 | 170 | 0 | 0 | 0.3 | 0 | 15.9 | 54.6 | 0.5 | 0 | 18.3 | 10.5 | 0 | 0 | 0 | 0 | 0 |
| 10 | 07/06/2010 | 07/07/2010 | 374 | 181 | 0 | 0.3 | 0 | 0 | 16.8 | 50.5 | 0.3 | 0 | 16.6 | 15.5 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***3,577*** | ***1,960*** | ***0*** | ***0.0*** | ***0.1*** | ***0*** | ***23.4*** | ***49.5*** | ***0.2*** | ***0*** | ***16.2*** | ***10.6*** | ***0*** | ***0*** | ***0.0*** | ***0*** | ***0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***29.0*** | ***39.0*** | | | ***16.0*** | ***15.0*** | | | | | |
| **District Total** | | | **3,577** | **1,960** | **0** | **0.0** | **0.1** | **0** | **23.4** | **49.5** | **0.2** | **0** | **16.2** | **10.6** | **0** | **0** | **0.0** | **0** | **0** |
| **District: 321 - Ugashik District** | | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 321 Ugashik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | | |
| 1 | 06/14/2010 | 06/22/2010 | 268 | 19,889 | 0 | 0 | 0 | 0 | 13.4 | 53.4 | 0 | 0 | 17.5 | 15.7 | 0 | 0 | 0 | 0 | 0 |
| 2 | 06/23/2010 | 06/24/2010 | 368 | 40,142 | 0 | 0 | 0 | 0 | 7.6 | 56.2 | 0.5 | 0 | 17.9 | 17.7 | 0 | 0 | 0 | 0 | 0 |
| 3 | 06/25/2010 | 06/27/2010 | 388 | 222,396 | 0 | 0 | 0 | 0 | 11.3 | 55.7 | 0.3 | 0 | 18.6 | 14.2 | 0 | 0 | 0 | 0 | 0 |
| 4 | 06/28/2010 | 06/29/2010 | 339 | 255,961 | 0 | 0.3 | 0.3 | 0 | 8.8 | 55.5 | 0.6 | 0 | 22.4 | 11.8 | 0 | 0 | 0.3 | 0 | 0 |
| 5 | 06/30/2010 | 07/02/2010 | 365 | 515,344 | 0 | 0 | 0 | 0 | 9.0 | 47.4 | 0 | 0 | 28.2 | 15.3 | 0 | 0 | 0 | 0 | 0 |
| 6 | 07/03/2010 | 07/05/2010 | 349 | 353,599 | 0 | 0 | 0 | 0 | 13.8 | 49.6 | 0 | 0 | 24.6 | 12.0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 07/06/2010 | 07/07/2010 | 202 | 346,746 | 0 | 0 | 0 | 0 | 12.4 | 52.0 | 0 | 0 | 25.2 | 9.9 | 0 | 0 | 0 | 0 | 0.5 |
| 8 | 07/08/2010 | 07/09/2010 | 171 | 480,087 | 0 | 1.2 | 0 | 0 | 8.2 | 42.1 | 0 | 0 | 38.6 | 9.9 | 0 | 0 | 0 | 0 | 0 |
| 9 | 07/10/2010 | 07/11/2010 | 427 | 591,356 | 0 | 0 | 0 | 0 | 11.0 | 50.6 | 0 | 0 | 26.5 | 11.9 | 0 | 0 | 0 | 0 | 0 |
| 10 | 07/12/2010 | 07/13/2010 | 351 | 269,780 | 0 | 0 | 0 | 0 | 10.0 | 30.8 | 0 | 0 | 51.9 | 7.4 | 0 | 0 | 0 | 0 | 0 |
| 11 | 07/14/2010 | 07/15/2010 | 190 | 185,741 | 0 | 0 | 0 | 0 | 14.7 | 45.3 | 0 | 0 | 31.1 | 8.9 | 0 | 0 | 0 | 0 | 0 |
| 12 | 07/16/2010 | 07/17/2010 | 157 | 253,339 | 0 | 0 | 0 | 0 | 10.2 | 47.1 | 0 | 0 | 33.1 | 9.6 | 0 | 0 | 0 | 0 | 0 |
| ***Sampling Group Total*** | | | ***3,575*** | ***3,534,380*** | ***0*** | ***0.2*** | ***0.0*** | ***0*** | ***10.6*** | ***47.7*** | ***0.1*** | ***0*** | ***29.8*** | ***11.5*** | ***0*** | ***0*** | ***0.0*** | ***0*** | ***0.0*** |
| ***Sampling Group Forecast*** | | | | | | | | | ***51.0*** | ***30.0*** | | | ***10.0*** | ***10.0*** | | | | | |
| **District Total** | | | **3,575** | **3,534,380** | **0** | **0.2** | **0.0** | **0** | **10.6** | **47.7** | **0.1** | **0** | **29.8** | **11.5** | **0** | **0** | **0.0** | **0** | **0.0** |
| **District: 322 - Egegik District** | | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 322 Egegik District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | | |
| 1 | 06/09/2010 | 06/19/2010 | 152 | 47,431 | 0 | 0 | 0 | 0 | 10.5 | 19.7 | 0 | 0 | 48.0 | 21.7 | 0 | 0 | 0 | 0 | 0 |
| 2 | 06/20/2010 | 06/22/2010 | 312 | 73,314 | 0 | 0 | 0 | 0 | 12.2 | 22.4 | 0 | 0 | 42.0 | 23.4 | 0 | 0 | 0 | 0 | 0 |
| 3 | 06/23/2010 | 06/24/2010 | 417 | 219,681 | 0 | 0 | 0 | 0 | 12.5 | 20.6 | 0 | 0.2 | 46.3 | 20.4 | 0 | 0 | 0 | 0 | 0 |
| 4 | 06/25/2010 | 06/26/2010 | 377 | 667,558 | 0 | 0 | 0 | 0 | 9.3 | 18.6 | 0 | 0 | 46.2 | 25.7 | 0.3 | 0 | 0 | 0 | 0 |
| 5 | 06/27/2010 | 06/28/2010 | 516 | 675,648 | 0 | 0 | 0 | 0 | 15.9 | 19.0 | 0 | 0 | 47.1 | 17.8 | 0.2 | 0 | 0 | 0 | 0 |
| 6 | 06/29/2010 | 06/30/2010 | 377 | 339,763 | 0 | 0 | 0 | 0 | 12.7 | 12.7 | 0 | 0.5 | 53.3 | 20.4 | 0 | 0 | 0.3 | 0 | 0 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Port Moller 2010 | 07/03/2010 | 345 | 702,795 | 0 | 0 | 0 | 0 | 7.8 | 26.4 | 0 | 0 | 38.6 | 26.1 | 0 | 0 | 1.2 | 0 | 0 |
| 8 | 07/04/2010 07/05/2010 | 393 | 403,203 | 0 | 0 | 0 | 0 | 8.7 | 20.1 | 0 | 0 | 44.0 | 26.5 | 0.3 | 0 | 0.5 | 0 | 0 |
| 9 | 07/06/2010 07/07/2010 | 420 | 517,481 | 0 | 0 | 0 | 0 | 8.3 | 11.0 | 0.2 | 0.2 | 42.6 | 36.7 | 0 | 0 | 1.0 | 0 | 0 |
| 10 | 07/08/2010 07/09/2010 | 359 | 466,070 | 0 | 0 | 0 | 0 | 15.3 | 10.9 | 0 | 0.8 | 52.1 | 19.8 | 0 | 0 | 1.1 | 0 | 0 |
| 11 | 07/10/2010 07/19/2010 | 0 | 733,180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | ***3,668*** | ***4,846,124*** | ***0*** | ***0*** | ***0*** | ***0*** | ***11.1*** | ***18.0*** | ***0.0*** | ***0.2*** | ***45.6*** | ***24.5*** | ***0.1*** | ***0*** | ***0.5*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | | | |
| | ***Sampling Group: 322-00-100-101 Egegik River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/18/2010 06/30/2010 | 213 | 161,754 | 0 | 0 | 0 | 0.9 | 6.6 | 1.4 | 0 | 16.9 | 66.2 | 7.0 | 0 | 0.5 | 0.5 | 0 | 0 |
| 2 | 07/01/2010 07/08/2010 | 580 | 411,396 | 0 | 0 | 0 | 0 | 2.1 | 2.4 | 0 | 10.2 | 67.4 | 17.6 | 0 | 0 | 0.3 | 0 | 0 |
| 3 | 07/09/2010 07/18/2010 | 356 | 350,568 | 0 | 0 | 0 | 0 | 2.5 | 0.8 | 0 | 7.9 | 57.3 | 30.9 | 0 | 0 | 0.3 | 0.3 | 0 |
| | ***Sampling Group Total*** | ***1,149*** | ***923,718*** | ***0*** | ***0*** | ***0*** | ***0.2*** | ***3.0*** | ***1.6*** | ***0*** | ***10.5*** | ***63.4*** | ***20.8*** | ***0*** | ***0.1*** | ***0.3*** | ***0.1*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | ***13.0*** | ***13.0*** | | | ***38.0*** | ***37.0*** | | | | | |
| **District Total** | | **4,817** | **5,769,842** | **0** | **0** | **0** | **0.0** | **9.7** | **15.0** | **0.0** | **2.1** | **48.8** | **23.8** | **0.1** | **0.0** | **0.5** | **0.0** | **0** |
| **District: 324 - Naknek-Kvichak District** | | | | | | | | | | | | | | | | | | |
| | ***Sampling Group: 324 Naknek-Kvichak District Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/15/2010 06/21/2010 | 403 | 25,597 | 0 | 0 | 0 | 0 | 26.3 | 48.6 | 0 | 0 | 12.4 | 12.7 | 0 | 0 | 0 | 0 | 0 |
| 2 | 06/22/2010 06/25/2010 | 647 | 125,831 | 0 | 0 | 0 | 0.2 | 21.3 | 51.3 | 0.2 | 0 | 12.8 | 14.2 | 0 | 0 | 0 | 0 | 0 |
| 3 | 06/26/2010 06/28/2010 | 343 | 928,056 | 0 | 0 | 0 | 0 | 37.0 | 28.0 | 0.9 | 0 | 25.1 | 8.5 | 0 | 0 | 0.6 | 0 | 0 |
| 4 | 06/29/2010 06/30/2010 | 298 | 278,995 | 0 | 0 | 0 | 0 | 23.2 | 31.5 | 0.3 | 0 | 28.5 | 16.4 | 0 | 0 | 0 | 0 | 0 |
| 5 | 07/01/2010 07/02/2010 | 758 | 746,635 | 0 | 0 | 0 | 0 | 21.0 | 35.9 | 0.1 | 0 | 29.2 | 13.9 | 0 | 0 | 0 | 0 | 0 |
| 6 | 07/03/2010 07/04/2010 | 210 | 722,310 | 0 | 0 | 0 | 0 | 20.0 | 44.8 | 0 | 0 | 23.8 | 11.4 | 0 | 0 | 0 | 0 | 0 |
| 7 | 07/05/2010 07/06/2010 | 308 | 907,981 | 0 | 0 | 0 | 0 | 18.5 | 36.0 | 0.6 | 0 | 26.3 | 18.5 | 0 | 0 | 0 | 0 | 0 |
| 8 | 07/07/2010 07/08/2010 | 314 | 710,420 | 0 | 0 | 0 | 0 | 23.6 | 30.9 | 0.3 | 0 | 31.2 | 14.0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 07/09/2010 07/10/2010 | 454 | 987,114 | 0 | 0 | 0 | 0 | 13.9 | 41.4 | 0 | 0 | 28.0 | 16.7 | 0 | 0 | 0 | 0 | 0 |
| 10 | 07/11/2010 07/12/2010 | 413 | 1,419,087 | 0 | 0 | 0 | 0 | 26.6 | 27.1 | 0 | 0.2 | 38.0 | 8.0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 07/13/2010 07/14/2010 | 442 | 1,289,021 | 0 | 0 | 0 | 0 | 21.5 | 35.7 | 0.5 | 0 | 31.4 | 10.9 | 0 | 0 | 0 | 0 | 0 |
| 12 | 07/15/2010 07/16/2010 | 625 | 922,496 | 0 | 0 | 0 | 0.3 | 27.7 | 30.2 | 0.5 | 0 | 34.9 | 6.4 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | ***5,215*** | ***9,063,543*** | ***0*** | ***0*** | ***0*** | ***0.0*** | ***23.5*** | ***34.2*** | ***0.3*** | ***0.0*** | ***30.1*** | ***11.9*** | ***0*** | ***0*** | ***0.1*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | | | | | |
| | ***Sampling Group: 324-10 Kvichak Section Harvest - Drift (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | |
| 1 | 07/11/2010 07/12/2010 | 347 | 0 | 0 | 0 | 0 | 0 | 21.3 | 34.9 | 0.3 | 0 | 38.3 | 5.2 | 0 | 0 | 0 | 0 | 0 |
| 2 | 07/13/2010 07/14/2010 | 118 | 0 | 0 | 0 | 0 | 0 | 17.8 | 49.2 | 0 | 0 | 24.6 | 8.5 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | ***465*** | ***0*** | | | | | | | | | | | | | | | |
| | ***Sampling Group Forecast*** | | | | | | | ***30.0*** | ***46.0*** | | | ***12.0*** | ***12.0*** | | | | | |
| | ***Sampling Group: 324-10-100-101 Kvichak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/20/2010 07/04/2010 | 213 | 385,056 | 0 | 0 | 0 | 0 | 41.3 | 14.1 | 0 | 0 | 39.0 | 5.6 | 0 | 0 | 0 | 0 | 0 |
| 2 | 07/05/2010 07/12/2010 | 824 | 2,680,626 | 0 | 0 | 0 | 0 | 38.8 | 12.7 | 0 | 0 | 44.1 | 4.4 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | ***1,037*** | ***3,065,682*** | ***0*** | ***0*** | ***0*** | ***0*** | ***39.1*** | ***12.9*** | ***0*** | ***0*** | ***43.4*** | ***4.5*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***Sampling Group Forecast*** | | | | | | | ***45.0*** | ***25.0*** | | | ***17.0*** | ***12.0*** | | | | | |
| | ***Sampling Group: 324-10-500-101 Alagnak River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 07/07/2010 | 286 | 0 | 0 | 0 | 0 | 0 | 30.1 | 66.8 | 0 | 0 | 1.0 | 2.1 | 0 | 0 | 0 | 0 | 0 |
| 2 | 07/08/2010 07/12/2010 | 287 | 0 | 0 | 0 | 0 | 0 | 25.4 | 68.3 | 0.7 | 0 | 3.1 | 2.4 | 0 | 0 | 0 | 0 | 0 |
| | ***Sampling Group Total*** | ***573*** | ***0*** | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Post-Season 2010 | | | | | | | | | | | | | | | | | | | | |
| ***Sampling Group Forecast*** | | | | | | | | ***27.0*** | ***61.0*** | | | ***6.0*** | ***6.0*** | | | | | | | |
| ***Sampling Group: 324-11 Kvichak Section Harvest - Set (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | | | |
| 1 | 06/22/2010 | 06/30/2010 | 205 | 188,415 | 0 | 0 | 0 | 0 | 46.3 | 26.3 | 0 | 0 | 22.0 | 5.4 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 07/01/2010 | 07/04/2010 | 220 | 216,872 | 0 | 0 | 0 | 0 | 21.4 | 47.7 | 0 | 0 | 22.7 | 8.2 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 07/05/2010 | 07/09/2010 | 163 | 351,888 | 0 | 0 | 0 | 0 | 26.4 | 28.8 | 0 | 0 | 35.6 | 9.2 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 07/10/2010 | 07/14/2010 | 210 | 187,954 | 0 | 0 | 0 | 0 | 18.1 | 14.3 | 0 | 0 | 61.0 | 6.7 | 0 | 0 | 0 | 0 | 0 | |
| ***Sampling Group Total*** | | | ***798*** | ***945,129*** | ***0*** | ***0*** | ***0*** | ***0*** | ***27.6*** | ***29.8*** | ***0*** | ***0*** | ***35.0*** | ***7.7*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** | |
| ***Sampling Group Forecast*** | | | | | | | | ***39.0*** | ***28.0*** | | | ***33.0*** | ***1.0*** | | | | | | | |
| ***Sampling Group: 324-20-600-101 Naknek River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | | | |
| 1 | 06/19/2010 | 06/30/2010 | 365 | 359,814 | 0 | 0 | 0 | 0.3 | 41.9 | 35.6 | 0 | 1.1 | 13.4 | 7.7 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 07/01/2010 | 07/08/2010 | 665 | 737,616 | 0 | 0 | 0 | 0.8 | 38.3 | 35.8 | 0 | 1.1 | 13.8 | 10.1 | 0.2 | 0 | 0 | 0 | 0 | |
| 3 | 07/09/2010 | 07/18/2010 | 324 | 366,498 | 0 | 0 | 0 | 2.2 | 38.6 | 25.6 | 0.6 | 1.9 | 23.5 | 7.7 | 0 | 0 | 0 | 0 | 0 | |
| ***Sampling Group Total*** | | | ***1,354*** | ***1,463,928*** | ***0*** | ***0*** | ***0*** | ***1.0*** | ***39.3*** | ***33.2*** | ***0.2*** | ***1.3*** | ***16.1*** | ***8.9*** | ***0.1*** | ***0*** | ***0*** | ***0*** | ***0*** | |
| ***Sampling Group Forecast*** | | | | | | | | ***23.0*** | ***53.0*** | | | ***11.0*** | ***13.0*** | | | | | | | |
| **District Total** | | | **9,442** | **14,538,282** | **0** | **0** | **0** | **0.1** | **28.6** | **29.3** | **0.2** | **0.2** | **31.8** | **9.8** | **0.0** | **0** | **0.0** | **0** | **0** | |
| **District: 325 - Nushagak District** | | | | | | | | | | | | | | | | | | | | |
| ***Sampling Group: 325-10-100-101 Igushik River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | | | |
| 1 | 06/24/2010 | 07/04/2010 | 366 | 242,994 | 0 | 0 | 0 | 0 | 6.0 | 92.1 | 0 | 0 | 0.8 | 0.8 | 0 | 0.3 | 0 | 0 | 0 | |
| 2 | 07/05/2010 | 07/23/2010 | 255 | 247,206 | 0 | 0 | 0 | 0 | 7.8 | 88.2 | 0 | 0 | 2.0 | 2.0 | 0 | 0 | 0 | 0 | 0 | |
| ***Sampling Group Total*** | | | ***621*** | ***490,200*** | ***0*** | ***0*** | ***0*** | ***0*** | ***6.9*** | ***90.1*** | ***0*** | ***0*** | ***1.4*** | ***1.4*** | ***0*** | ***0.1*** | ***0*** | ***0*** | ***0*** | |
| ***Sampling Group Forecast*** | | | | | | | | ***31.0*** | ***67.0*** | | | ***1.0*** | ***1.0*** | | | | | | | |
| ***Sampling Group: 325-11 Igushik Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | | | |
| 1 | 06/16/2010 | 07/20/2010 | 584 | 739,669 | 0 | 0 | 0 | 0 | 13.4 | 81.8 | 0.5 | 0 | 2.7 | 1.5 | 0 | 0 | 0 | 0 | 0 | |
| ***Sampling Group Total*** | | | ***584*** | ***739,669*** | ***0*** | ***0*** | ***0*** | ***0*** | ***13.4*** | ***81.8*** | ***0.5*** | ***0*** | ***2.7*** | ***1.5*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** | |
| ***Sampling Group Forecast*** | | | | | | | | ***31.0*** | ***67.0*** | | | ***1.0*** | ***1.0*** | | | | | | | |
| ***Sampling Group: 325-30 Nushagak Section Harvest (Index Type: Harvest)*** | | | | | | | | | | | | | | | | | | | | |
| 1 | 06/10/2010 | 06/25/2010 | 314 | 286,267 | 0 | 0 | 0.6 | 0 | 49.7 | 48.4 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 06/26/2010 | 06/27/2010 | 475 | 818,294 | 0.2 | 0.2 | 0.2 | 0 | 43.8 | 53.3 | 1.5 | 0 | 0.4 | 0.4 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 06/28/2010 | 06/29/2010 | 422 | 919,581 | 0 | 0 | 0 | 0 | 50.2 | 44.1 | 1.4 | 0 | 3.1 | 1.2 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 06/30/2010 | 07/01/2010 | 432 | 797,993 | 0 | 0.2 | 0.2 | 0 | 30.6 | 65.5 | 0.9 | 0 | 1.2 | 1.4 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 07/02/2010 | 07/03/2010 | 241 | 712,665 | 0 | 0 | 0.8 | 0 | 36.5 | 59.8 | 0 | 0 | 1.7 | 1.2 | 0 | 0 | 0 | 0 | 0 | |
| 6 | 07/04/2010 | 07/05/2010 | 330 | 953,569 | 0.3 | 0 | 0 | 0 | 67.0 | 27.3 | 0.9 | 0 | 3.6 | 0.9 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 07/08/2010 | 07/09/2010 | 361 | 337,722 | 0 | 0 | 0 | 0 | 37.7 | 51.2 | 0.3 | 0 | 5.8 | 5.0 | 0 | 0 | 0 | 0 | 0 | |
| 8 | 07/10/2010 | 07/11/2010 | 697 | 474,925 | 0 | 0.6 | 0 | 0 | 28.0 | 63.7 | 1.1 | 0 | 3.6 | 3.0 | 0 | 0 | 0 | 0 | 0 | |
| 9 | 07/14/2010 | 07/15/2010 | 0 | 332,378 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10 | 07/16/2010 | 07/17/2010 | 0 | 146,478 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 11 | 07/18/2010 | 07/19/2010 | 0 | 68,841 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ***Sampling Group Total*** | | | ***3,272*** | ***5,848,713*** | ***0.1*** | ***0.1*** | ***0.2*** | ***0*** | ***44.6*** | ***50.3*** | ***0.9*** | ***0*** | ***2.3*** | ***1.4*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** | |
| ***Sampling Group Forecast*** | | | | | | ***1.0*** | | ***38.0*** | ***57.0*** | ***1.0*** | | ***2.0*** | ***1.0*** | | | | | | | |
| ***Sampling Group: 325-30-300-101 Wood River Escapement (Index Type: Escapement)*** | | | | | | | | | | | | | | | | | | | | |
| 1 | 06/19/2010 | 06/30/2010 | 324 | 580,794 | 0 | 0 | 0 | 0.3 | 80.6 | 15.1 | 0.3 | 0 | 3.7 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 07/01/2010 | 07/08/2010 | 499 | 760,314 | 0 | 0 | 0 | 0 | 81.6 | 15.4 | 0 | 0 | 2.4 | 0.6 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 07/09/2010 | 07/19/2010 | 273 | 460,326 | 0 | 0 | 0 | 0 | 63.7 | 35.5 | 0 | 0.4 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Group Total | | | 1,096 | 1,801,434 | 0 | 0 | 0 | 0.1 | 76.7 | 20.5 | 0.1 | 0.1 | 2.3 | 0.3 | 0 | 0 | 0 | 0 | 0 |
| Sampling Group Forecast | | | | | | | | | 44.0 | 53.0 | | | 2.0 | 1.0 | | | | | |
| Sampling Group: 325-30-700-101 Nushagak River Escapement (Index Type: Escapement) | | | | | | | | | | | | | | | | | | | |
| 1 | 06/06/2010 | 06/30/2010 | 247 | 121,402 | 0.4 | 0.4 | 1.2 | 0 | 18.2 | 74.1 | 4.5 | 0 | 0.8 | 0.4 | 0 | 0 | 0 | 0 | 0 |
| 2 | 07/01/2010 | 07/18/2010 | 616 | 335,688 | 0.3 | 0.5 | 0.5 | 0.3 | 11.9 | 77.8 | 6.3 | 0 | 1.0 | 1.5 | 0 | 0 | 0 | 0 | 0 |
| Sampling Group Total | | | 863 | 457,090 | 0.3 | 0.5 | 0.7 | 0.2 | 13.5 | 76.8 | 5.8 | 0 | 0.9 | 1.2 | 0 | 0 | 0 | 0 | 0 |
| Sampling Group Forecast | | | | | | 1.0 | | | 13.0 | 80.0 | 5.0 | | 0.0 | 1.0 | | | | | |
| Sampling Group: 325-40 Wood River SHA Harvest (Index Type: Harvest) | | | | | | | | | | | | | | | | | | | |
| 1 | 07/06/2010 | 07/07/2010 | 624 | 287,567 | 0 | 0 | 0 | 0 | 29.5 | 64.1 | 0 | 0 | 3.7 | 2.7 | 0 | 0 | 0 | 0 | 0 |
| 2 | 07/08/2010 | 07/10/2010 | 157 | 606,428 | 0 | 0 | 0 | 0 | 44.6 | 49.0 | 0 | 0 | 3.8 | 2.5 | 0 | 0 | 0 | 0 | 0 |
| 3 | 07/11/2010 | 07/13/2010 | 361 | 152,511 | 0 | 0 | 0 | 0 | 45.2 | 48.5 | 0 | 0 | 5.0 | 1.4 | 0 | 0 | 0 | 0 | 0 |
| Sampling Group Total | | | 1,142 | 1,046,506 | 0 | 0 | 0 | 0 | 40.5 | 53.1 | 0 | 0 | 4.0 | 2.4 | 0 | 0 | 0 | 0 | 0 |
| Sampling Group Forecast | | | | | | | | | 49.0 | 46.0 | | | 4.0 | 1.0 | | | | | |
| District Total | | | 7,578 | 10,383,612 | 0.1 | 0.1 | 0.1 | 0.0 | 44.4 | 50.7 | 0.8 | 0.0 | 2.4 | 1.3 | 0 | 0.0 | 0 | 0 | 0 |
| District: 326 - Togiak District | | | | | | | | | | | | | | | | | | | |
| Sampling Group: 326-70 Togiak Section Harvest (Index Type: Harvest) | | | | | | | | | | | | | | | | | | | |
| 1 | 06/21/2010 | 06/30/2010 | 454 | 18,582 | 0 | 0.9 | 0 | 0 | 17.8 | 78.6 | 0.4 | 0 | 0.4 | 1.8 | 0 | 0 | 0 | 0 | 0 |
| 2 | 07/01/2010 | 07/15/2010 | 699 | 198,053 | 0 | 0 | 0 | 0.1 | 23.3 | 70.5 | 0 | 0 | 3.1 | 2.9 | 0 | 0 | 0 | 0 | 0 |
| Sampling Group Total | | | 1,153 | 216,635 | 0 | 0.1 | 0 | 0.1 | 22.8 | 71.2 | 0.0 | 0 | 2.9 | 2.8 | 0 | 0 | 0 | 0 | 0 |
| Sampling Group Forecast | | | | | | | | | 14.0 | 76.0 | | | 6.0 | 4.0 | | | | | |
| District Total | | | 1,153 | 216,635 | 0 | 0.1 | 0 | 0.1 | 22.8 | 71.2 | 0.0 | 0 | 2.9 | 2.8 | 0 | 0 | 0 | 0 | 0 |
| Species Total (non-test fishing) | | | 26,565 | 34,442,751 | 0.0 | 0.0 | 0.0 | 0.1 | 28.5 | 35.7 | 0.4 | 0.4 | 25.3 | 9.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |