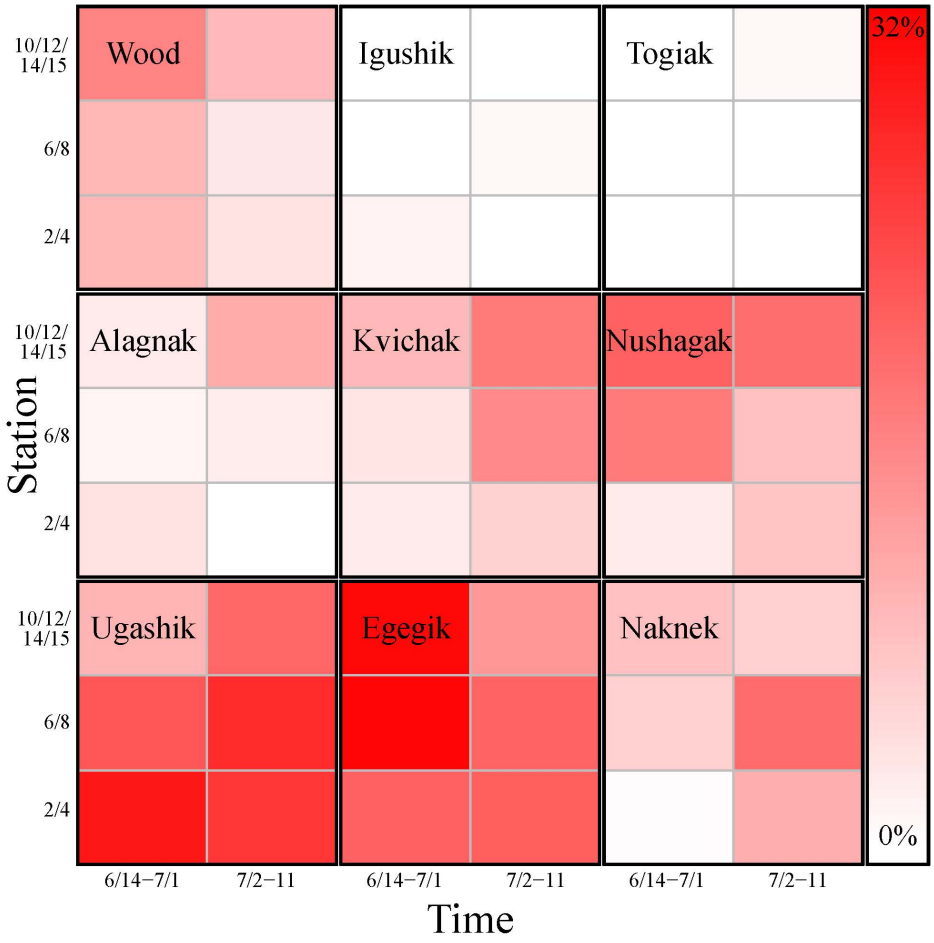
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 14−July 11, 2017 − Stations 2/4, 6/8 and 10/12/14/15

This report summarizes genetic stock compositions for sockeye salmon captured at inshore, middle and offshore stations of the Port Moller Test Fishery in 2017. We analyzed samples by stations to characterize the distribution of stocks across the test fishery transect.

When defining station−specific groups of samples, we balanced the goal of fine−scale temporal resolution of station catches with the requirement of adequate sample sizes and consistency of temporal periods among stations. As a result, we analyzed nearshore (2 and 4), middle (6 and 8) and offshore (10, 12, 14 and 15) station−specific catches for early (June 14−July 1) and late (July 2−11) time periods.

The figure below summarizes the mean stock composition estimates for Bristol Bay groups while following pages provide details for each station group.



The figure above depicts mean stock composition estimate (%) for the 9 major stocks within Bristol Bay for each spatiotemporal stratum of the Port Moller Test Fishery in 2017. Time periods are along the horizontal axis while stations are along the vertical axis. The darker the red the higher the estimate, with completely red equal to 32% and white equal to 0%. See following pages for details.

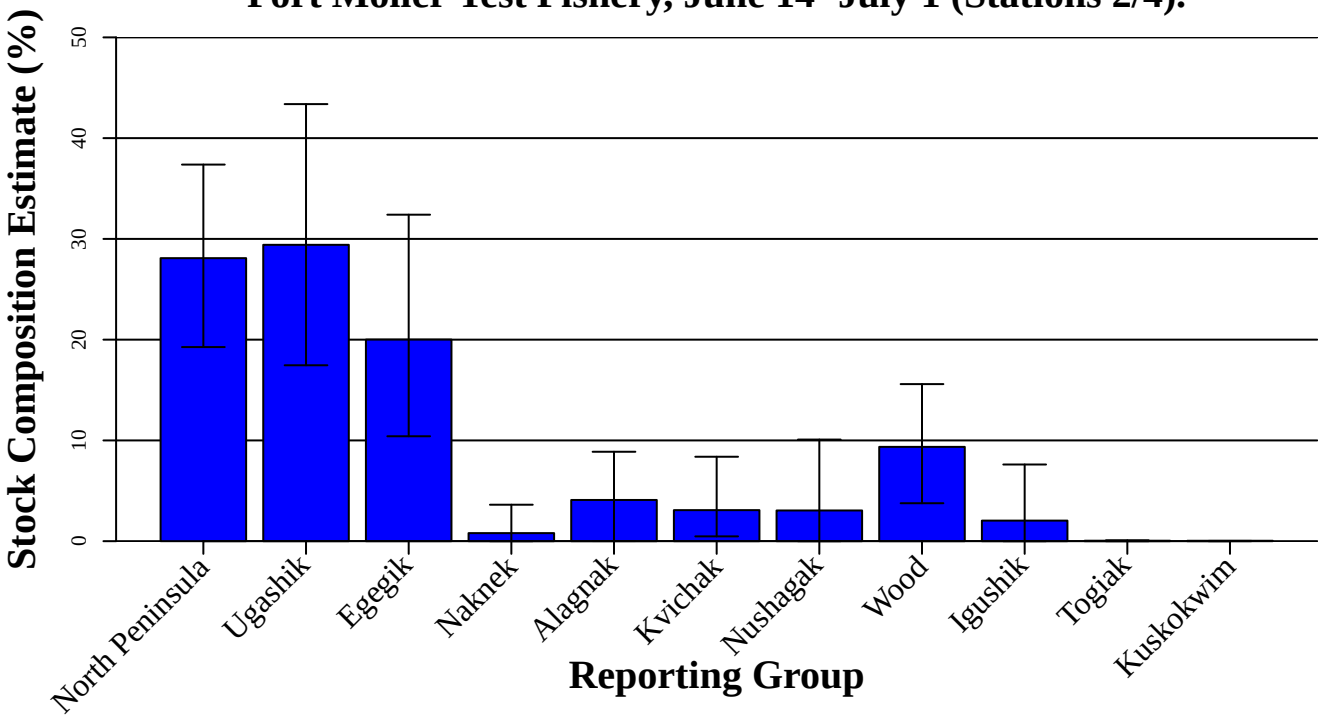
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 14 − July 1, 2017 − Stations 2/4

Genetic stock composition estimates for sockeye salmon from stations 2 and 4 of the Port Moller Test Fishery for June 14−July 1. A total of 270 fish were sampled and 194 were analyzed (193 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	28.1%	19.3%	37.4%
Ugashik	29.4%	17.5%	43.4%
Egegik	20.0%	10.4%	32.4%
Naknek	0.8%	0.0%	3.6%
Alagnak	4.1%	0.0%	8.9%
Kvichak	3.1%	0.5%	8.4%
Nushagak	3.0%	0.0%	10.1%
Wood	9.4%	3.8%	15.6%
Igushik	2.0%	0.0%	7.6%
Togiak	0.0%	0.0%	0.1%
Kuskokwim	0.0%	0.0%	0.0%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 14−July 1 (Stations 2/4).



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

Reported as of: July 16, 2017
12:00 PM

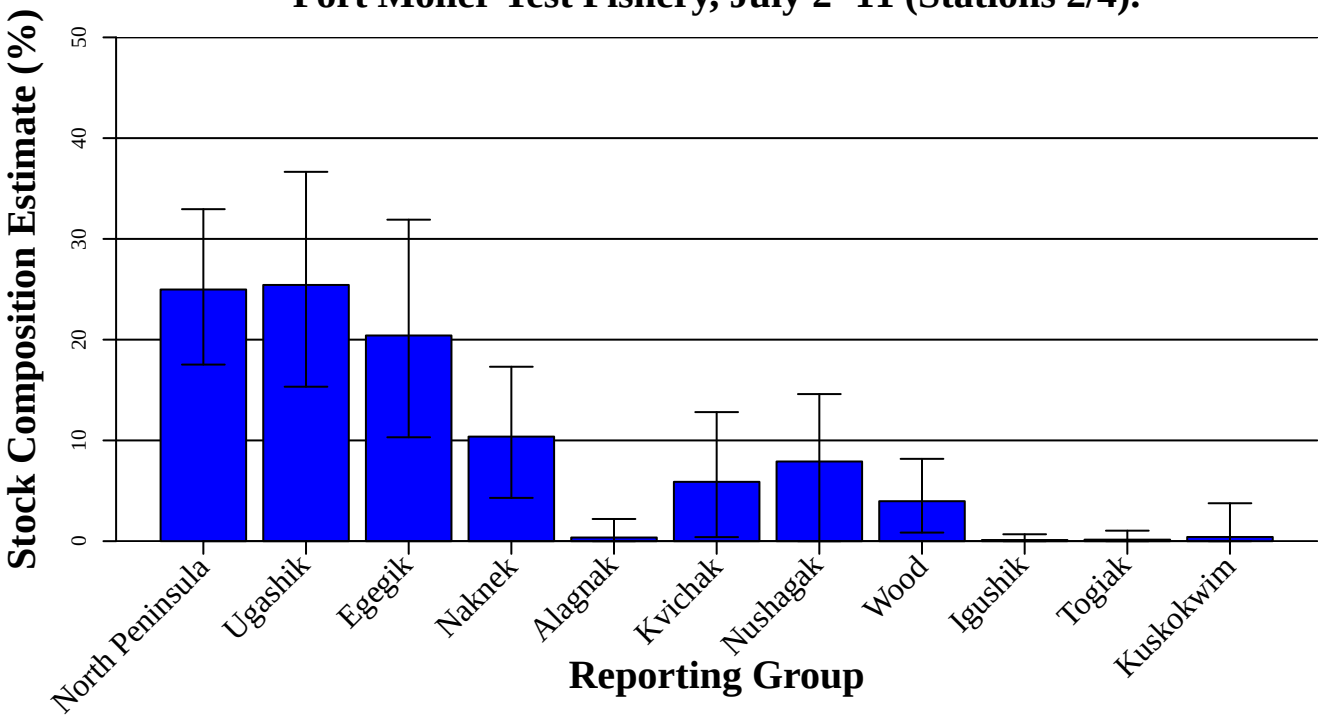
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 2−11, 2017 − Stations 2/4

Genetic stock composition estimates for sockeye salmon from stations 2 and 4 of the Port Moller Test Fishery for July 2−11. A total of 201 fish were sampled and 171 were analyzed (170 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	25.0%	17.5%	33.0%
Ugashik	25.4%	15.3%	36.7%
Egegik	20.4%	10.3%	31.9%
Naknek	10.4%	4.3%	17.3%
Alagnak	0.4%	0.0%	2.2%
Kvichak	5.9%	0.4%	12.8%
Nushagak	7.9%	0.0%	14.6%
Wood	4.0%	0.9%	8.2%
Igushik	0.1%	0.0%	0.7%
Togiak	0.1%	0.0%	1.0%
Kuskokwim	0.4%	0.0%	3.8%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 2−11 (Stations 2/4).



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

Reported as of: July 16, 2017
12:00 PM

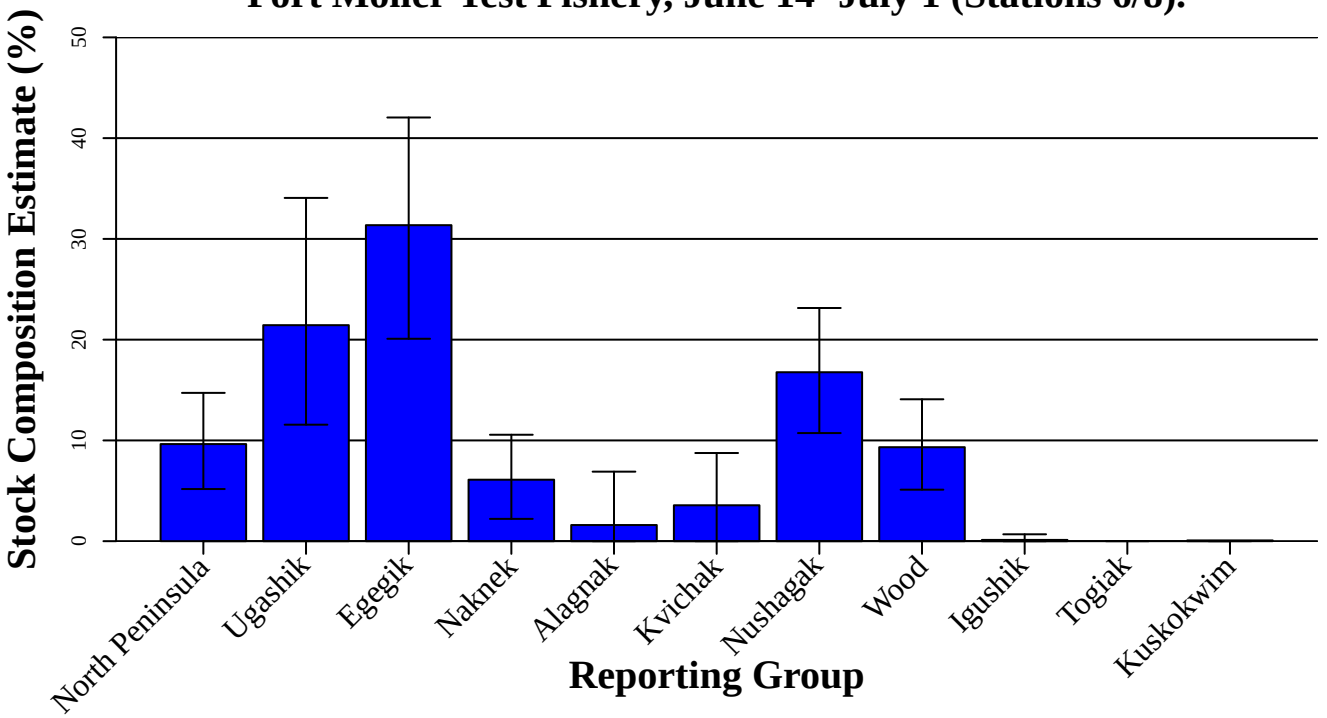
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 14 − July 1, 2017 − Stations 6/8

Genetic stock composition estimates for sockeye salmon from stations 6 and 8 of the Port Moller Test Fishery for June 14−July 1. A total of 445 fish were sampled and 319 were analyzed (312 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	9.6%	5.2%	14.7%
Ugashik	21.4%	11.6%	34.1%
Egegik	31.4%	20.1%	42.0%
Naknek	6.1%	2.2%	10.6%
Alagnak	1.6%	0.0%	6.9%
Kvichak	3.6%	0.0%	8.8%
Nushagak	16.8%	10.7%	23.1%
Wood	9.3%	5.1%	14.1%
Igushik	0.1%	0.0%	0.7%
Togiak	0.0%	0.0%	0.0%
Kuskokwim	0.1%	0.0%	0.0%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 14−July 1 (Stations 6/8).



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

Reported as of: July 16, 2017
12:00 PM

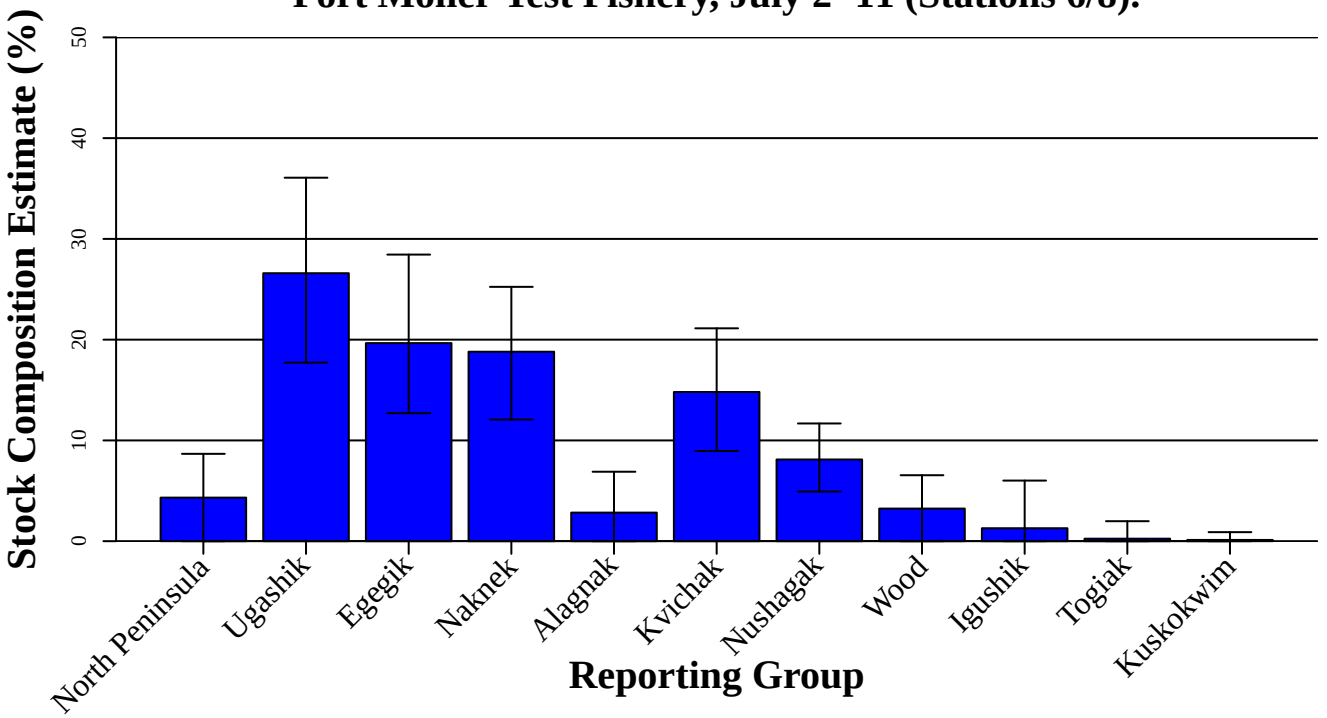
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 2−11, 2017 − Stations 6/8

Genetic stock composition estimates for sockeye salmon from stations 6 and 8 of the Port Moller Test Fishery for July 2−11. A total of 451 fish were sampled and 355 were analyzed (339 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	4.3%	0.0%	8.7%
Ugashik	26.6%	17.7%	36.1%
Egegik	19.7%	12.7%	28.4%
Naknek	18.8%	12.1%	25.2%
Alagnak	2.8%	0.0%	6.9%
Kvichak	14.8%	9.0%	21.1%
Nushagak	8.1%	4.9%	11.7%
Wood	3.2%	0.0%	6.5%
Igushik	1.3%	0.0%	6.0%
Togiak	0.2%	0.0%	2.0%
Kuskokwim	0.1%	0.0%	0.9%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 2−11 (Stations 6/8).



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

Reported as of: July 16, 2017
12:00 PM

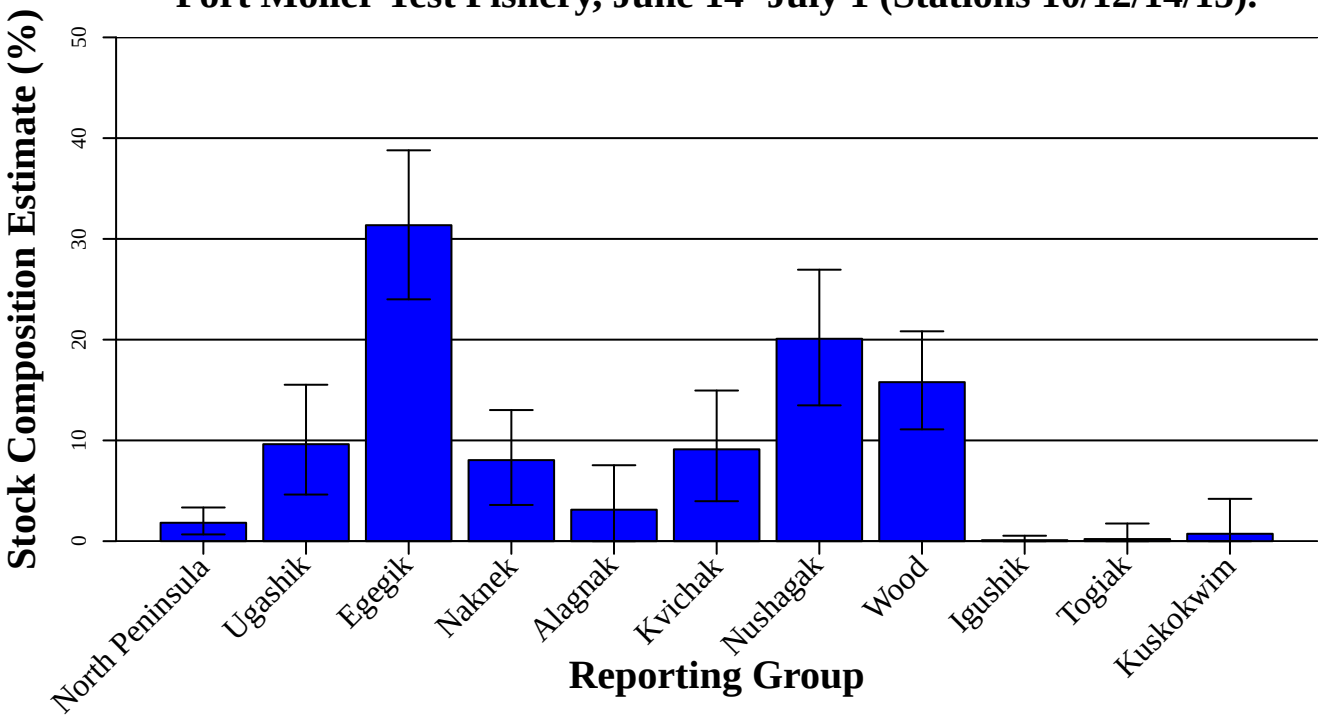
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
June 14 − July 1, 2017 − Stations 10/12/14/15

Genetic stock composition estimates for sockeye salmon from stations 10, 12, 14 and 15 of the Port Moller Test Fishery for June 14−July 1. A total of 693 fish were sampled and 428 were analyzed (426 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	1.8%	0.7%	3.3%
Ugashik	9.6%	4.6%	15.5%
Egegik	31.4%	24.0%	38.8%
Naknek	8.0%	3.6%	13.0%
Alagnak	3.1%	0.0%	7.5%
Kvichak	9.1%	4.0%	14.9%
Nushagak	20.1%	13.5%	26.9%
Wood	15.8%	11.1%	20.8%
Igushik	0.1%	0.0%	0.5%
Togiak	0.2%	0.0%	1.8%
Kuskokwim	0.7%	0.0%	4.2%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 14−July 1 (Stations 10/12/14/15).



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

Reported as of: July 16, 2017
12:00 PM

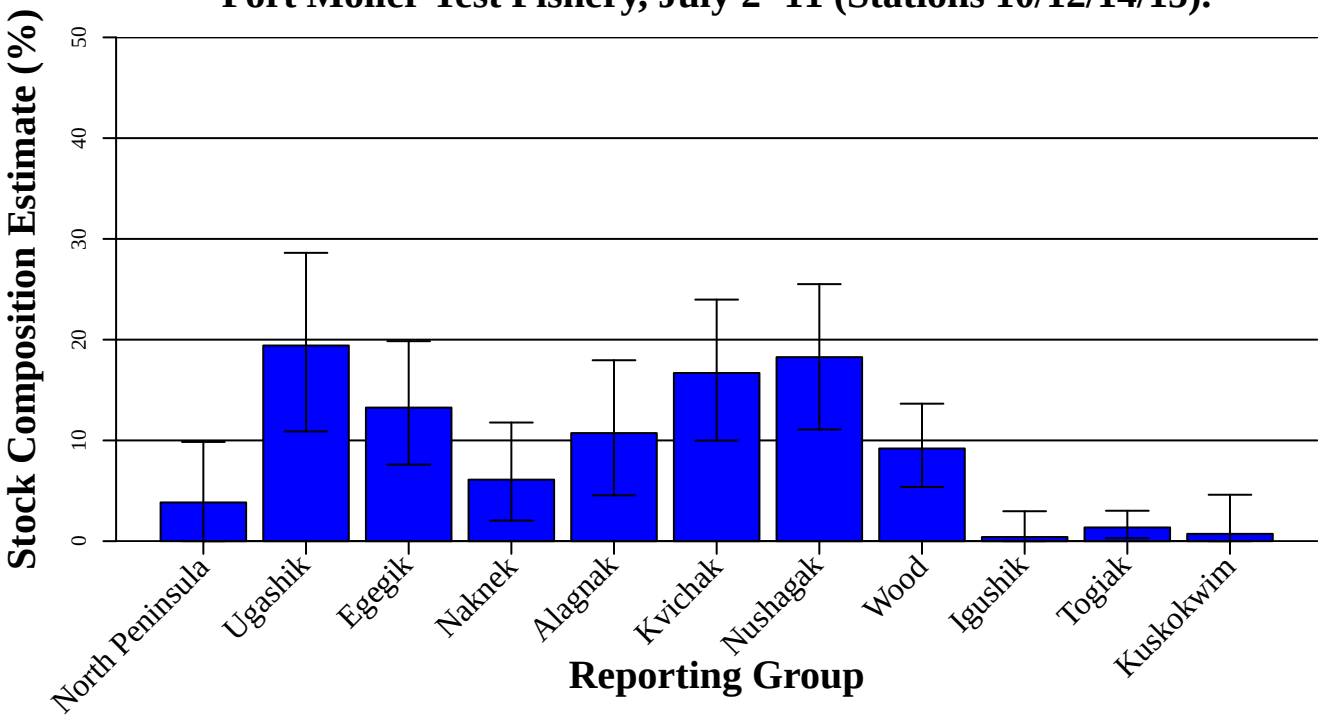
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 2−11, 2017 − Stations 10/12/14/15

Genetic stock composition estimates for sockeye salmon from stations 10, 12, 14 and 15 of the Port Moller Test Fishery for July 2−11. A total of 271 fish were sampled and 234 were analyzed (229 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	3.8%	0.0%	9.8%
Ugashik	19.4%	10.9%	28.6%
Egegik	13.3%	7.6%	19.8%
Naknek	6.1%	2.0%	11.8%
Alagnak	10.7%	4.6%	18.0%
Kvichak	16.7%	10.0%	24.0%
Nushagak	18.3%	11.1%	25.5%
Wood	9.2%	5.4%	13.6%
Igushik	0.4%	0.0%	3.0%
Togiak	1.4%	0.3%	3.0%
Kuskokwim	0.7%	0.0%	4.6%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 2−11 (Stations 10/12/14/15).



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

Reported as of: July 16, 2017
12:00 PM