

Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary June 10–26, 2015, by station

This report summarizes genetic stock composition estimates for sockeye salmon captured to at different stations of the Port Moller Test Fishery through June 26, 2015. We analyzed the fish by station groups to characterize the distribution of stocks across the test fishery transect.

In defining station-specific groups, we balanced the goal of fine-scale temporal resolution of station catches with the goal of comparable temporal periods and the requirement of adequate sample sizes. As a result, we analyzed station-specific catches for the entire test fishery season to date. Samples at Stations 2 and 4 were few so these samples were grouped together to achieve adequate sample sizes.

The table below summarizes the mean stock composition estimates for all groups while the following page visualizes estimates each station group.

Reporting Group	Stations 2/4 n=136			Station 6 n=285			Station 8 n=225			Station 10 n=447		
	Stock Comp.	90% CI		Stock Comp.	90% CI		Stock Comp.	90% CI		Stock Comp.	90% CI	
	Est.	Lower	Upper	Est.	Lower	Upper	Est.	Lower	Upper	Est.	Lower	Upper
North Peninsula	27.1%	18.7%	36.4%	7.4%	1.0%	13.4%	0.4%	0.0%	2.2%	0.1%	0.0%	0.4%
Ugashik	14.4%	0.0%	27.8%	4.6%	0.0%	19.6%	9.2%	0.0%	19.6%	0.3%	0.0%	1.9%
Egegik	36.7%	22.2%	52.7%	41.9%	27.6%	54.0%	35.2%	24.9%	47.0%	28.2%	22.8%	33.9%
Naknek	0.8%	0.0%	3.7%	3.5%	0.0%	9.2%	3.8%	0.0%	9.6%	8.1%	4.6%	11.9%
Alagnak	0.0%	0.0%	0.1%	0.1%	0.0%	0.2%	6.5%	1.5%	12.1%	1.8%	0.0%	4.6%
Kvichak	6.7%	0.0%	15.1%	20.2%	11.8%	29.0%	16.7%	10.1%	23.8%	29.1%	23.5%	34.7%
Nushagak	1.0%	0.0%	3.4%	4.2%	1.0%	7.7%	6.7%	3.1%	12.4%	14.2%	9.8%	18.9%
Wood	9.7%	3.7%	16.4%	16.5%	11.1%	22.0%	17.8%	8.4%	25.4%	17.9%	13.8%	22.2%
Igushik	3.4%	0.0%	11.2%	0.1%	0.0%	0.4%	3.3%	0.0%	12.5%	0.2%	0.0%	0.8%
Togiak	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	2.0%	0.1%	0.0%	0.6%
Kuskokwim	0.2%	0.0%	1.7%	1.5%	0.0%	8.1%	0.2%	0.0%	0.3%	0.0%	0.0%	0.1%

The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory. These results are in-season estimates and are therefore preliminary in nature. Final quality control will be conducted post-season.

By-Station Stock Composition Estimates: June 10–26, 2015

