

## Michael Link

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**From:** Scott Raborn <raborn@lgl.com>  
**Sent:** Saturday, June 18, 2022 5:27 PM  
**To:** Michael Link  
**Cc:** Scott Raborn  
**Subject:** PMTF Stock Comp. Estimate #2—samples from June 16-17, 2022  
**Attachments:** PM genetics inseason 6.16-17.2022.pdf; HistoricalCatchandEscapent\_ByYear\_Date\_Stock.pdf

Everyone,

Attached is the 2<sup>nd</sup> stock composition estimate from ADF&G and BBSRI At-Sea Genetics Program for the 2022 Port Moller Test Fishery.

We have also included a figure showing each stock's historical catch plus escapement (CE) by date (years 2012-2021) to illustrate previous stock arrival patterns inshore. It helps if you can look at the two documents side by side. For example, last year the Nushagak Stock made up a substantial portion of the CE, which corresponded to a strong showing early on at Port Moller (apologies for the color schemes being different between the two documents). For the 2019 and 2020 season, the Nushagak Stock made up less of the run, as well as the Port Moller stock compositions. Similarly, the Wood River Stock dominated the run in 2018, but less so in the following years; the Port Moller stock composition estimates picked these signals well. So far stock compositions show Nushagak and Egegik Districts will contribute substantially to this year's run, which is consistent with the preseason forecast

### Stock Composition (Stations 4-20 from June 16-17):

Reporting Group	Stock Composition Estimate	90% Confidence Intervals	
		Lower	Upper
North Peninsula	1.1%	0.0%	5.3%
Ugashik	0.8%	0.0%	5.7%
Egegik	32.7%	22.8%	41.2%
Naknek	0.4%	0.0%	2.3%
Alagnak	0.6%	0.0%	5.0%
Kvichak	9.6%	3.6%	16.0%
Nushagak	22.6%	13.1%	35.6%
Wood	20.3%	11.8%	30.6%
Igushik	10.7%	0.0%	20.9%
Togiak	0.1%	0.0%	0.8%
Kuskokwim	1.0%	0.0%	4.5%

Scott and Michael

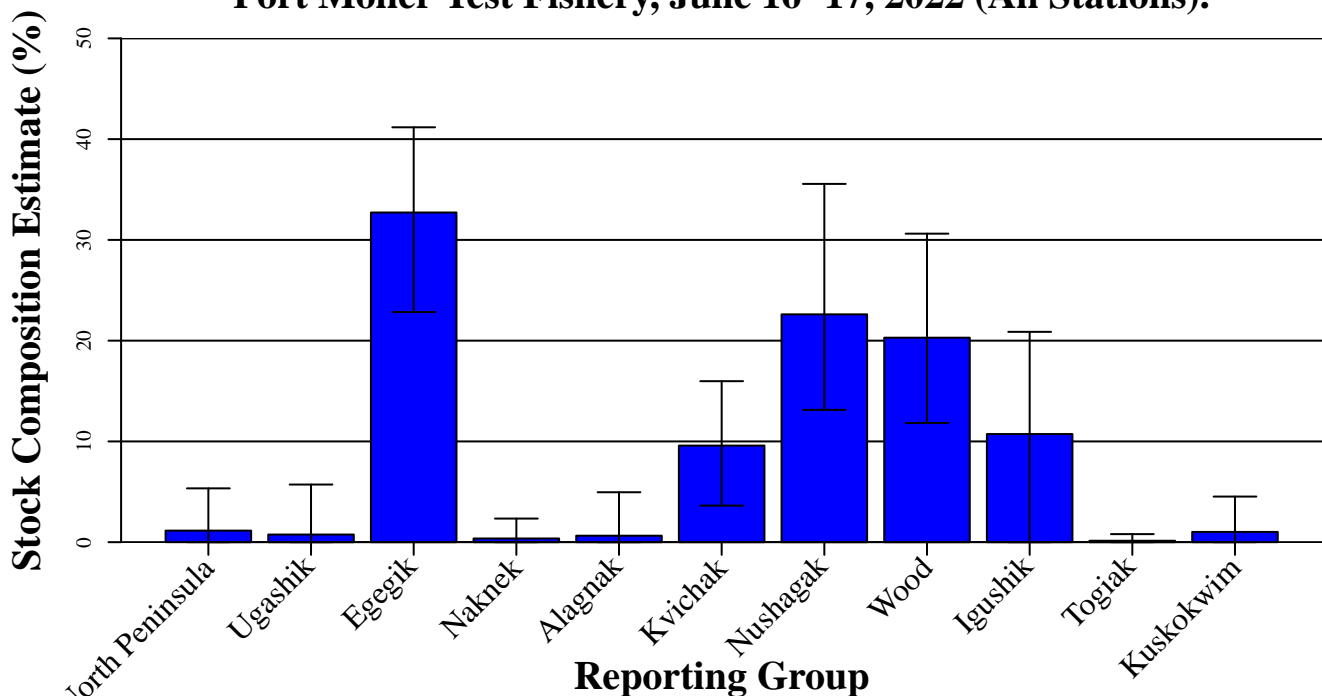
# Bristol Bay Sockeye Salmon Fishery

## Port Moller Sockeye Salmon Stock Composition Summary June 16–17, 2022 – All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for June 16–17, 2022. A total of 507 fish were sampled and 190 were analyzed (188 had adequate data to include in the analysis).

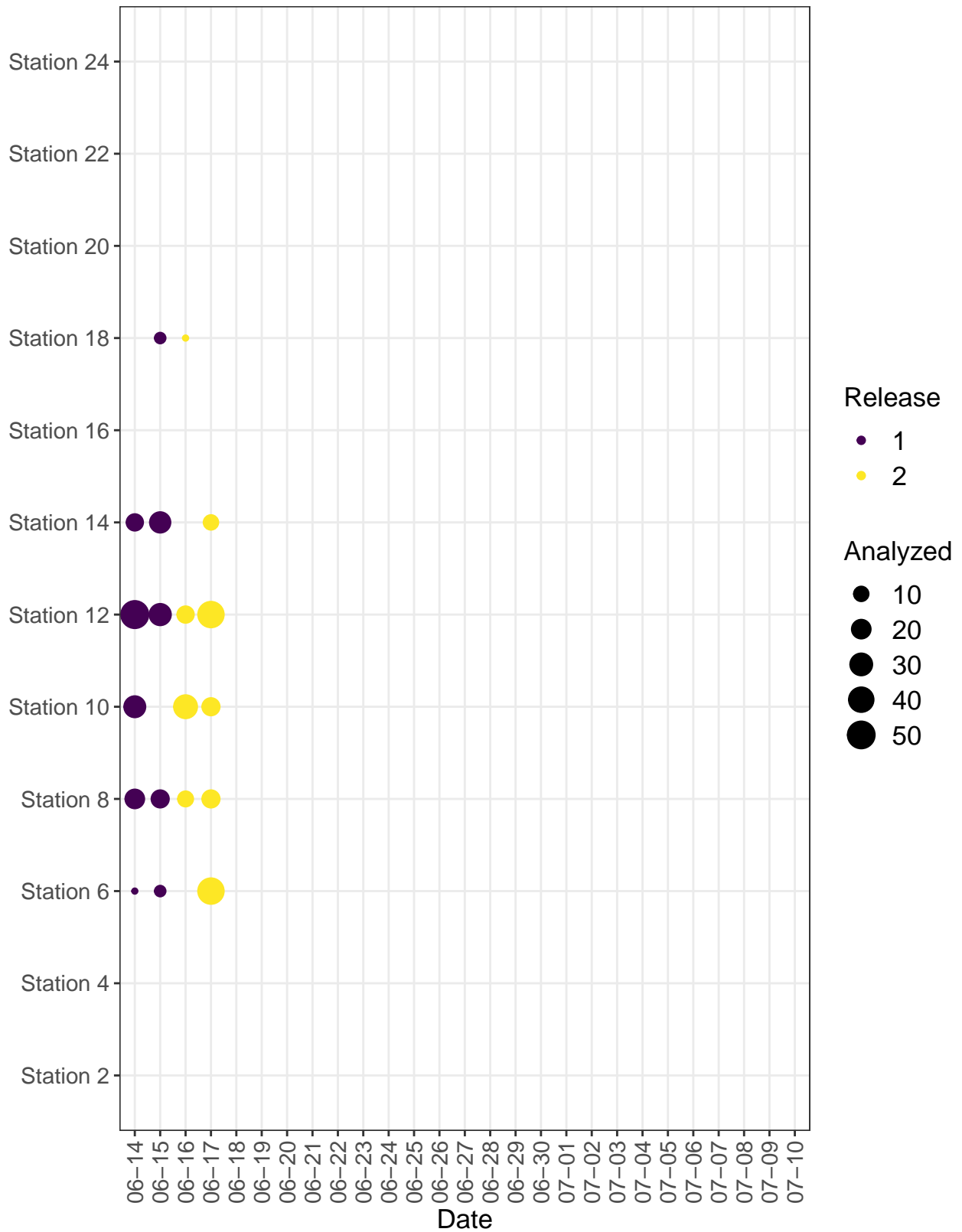
Reporting Group	Stock	90%	
	Composition Estimate	Lower	Upper
North Peninsula	1.1%	0.0%	5.3%
Ugashik	0.8%	0.0%	5.7%
Egegik	32.7%	22.8%	41.2%
Naknek	0.4%	0.0%	2.3%
Alagnak	0.6%	0.0%	5.0%
Kvichak	9.6%	3.6%	16.0%
Nushagak	22.6%	13.1%	35.6%
Wood	20.3%	11.8%	30.6%
Igushik	10.7%	0.0%	20.9%
Togiak	0.1%	0.0%	0.8%
Kuskokwim	1.0%	0.0%	4.5%

### Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, June 16–17, 2022 (All Stations).



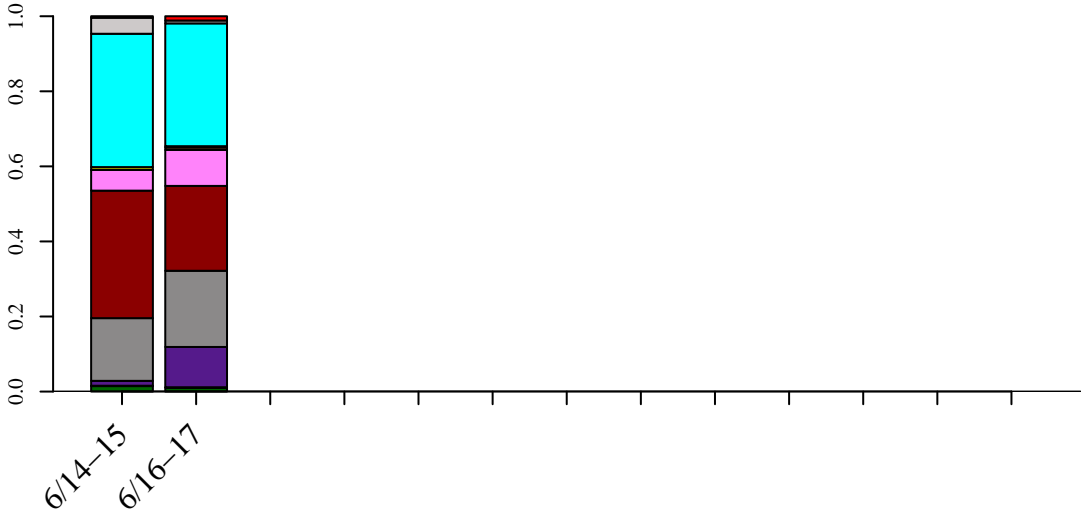
The genetic analysis was completed by the Alaska Department of Fish and Game, Division of Commercial Fisheries, Gene Conservation Laboratory.

# Number of Genetic Samples Analyzed by Date, Station, and Estimate Release Number Port Moller Test Fishery 2022

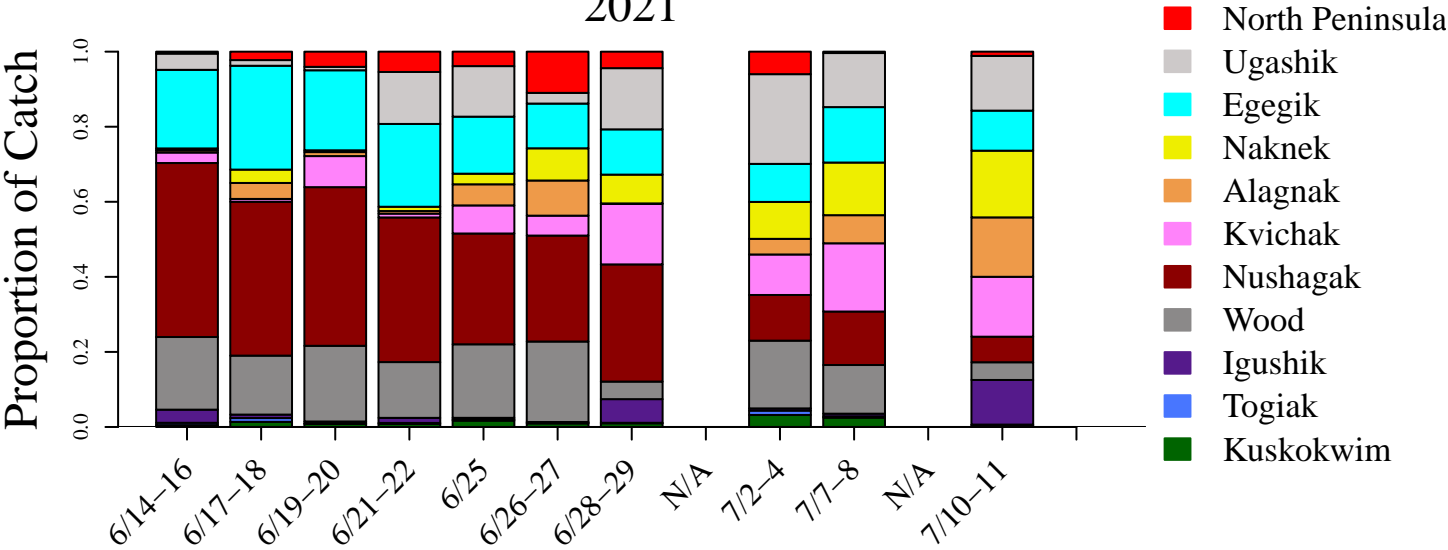


# Historical Comparison of Stock Composition Estimates

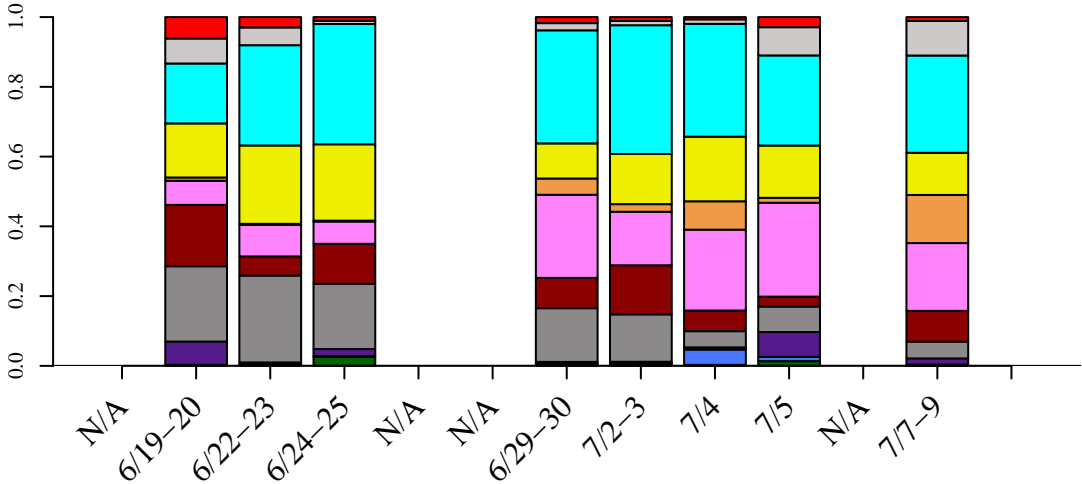
2022



2021



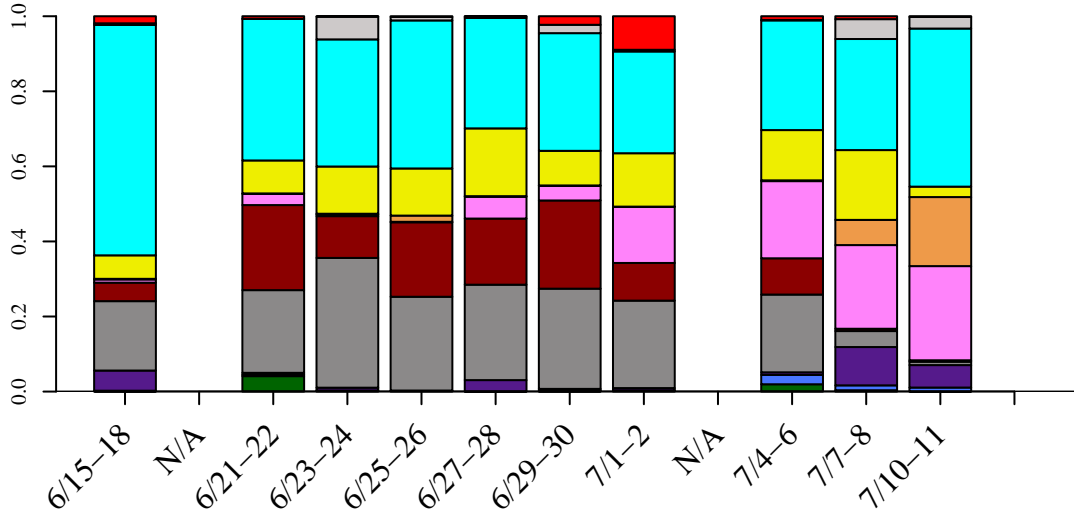
2020



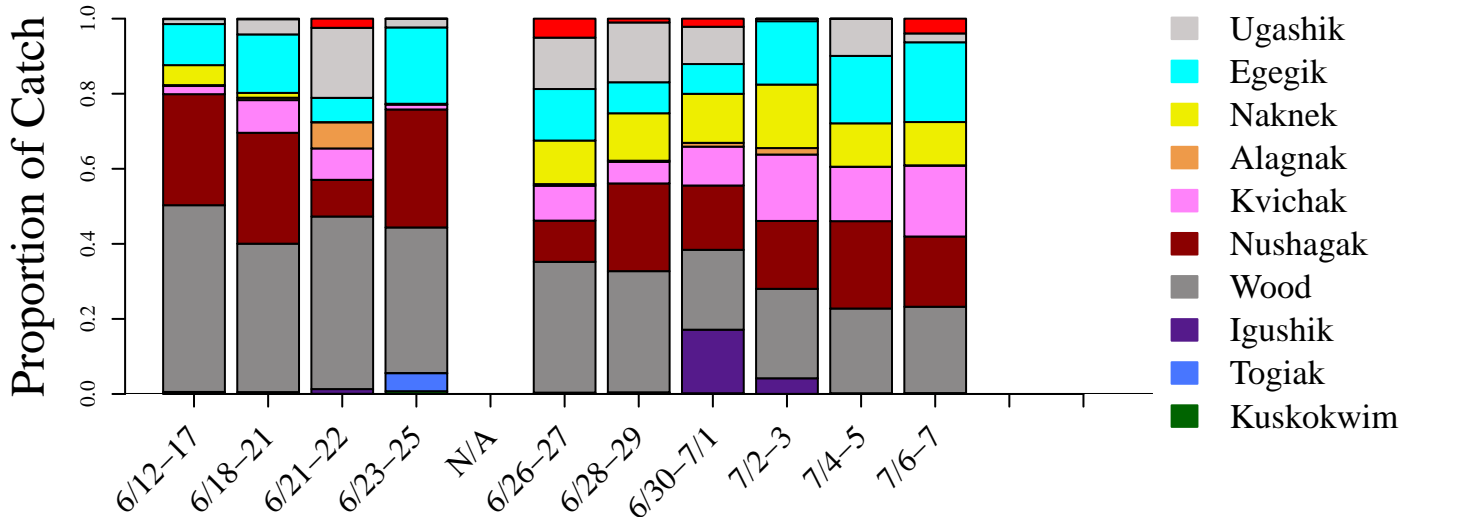
Date

# Historical Comparison of Stock Composition Estimates

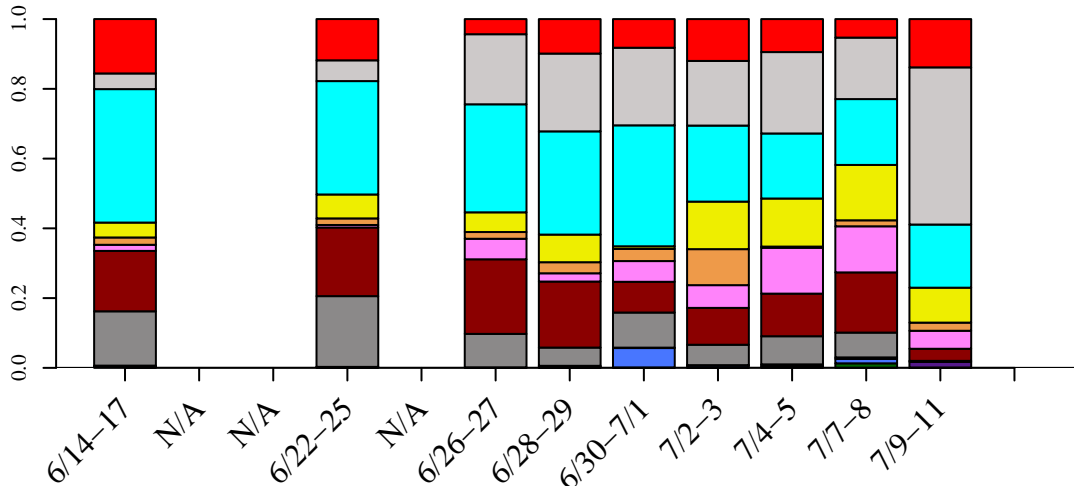
2019



2018



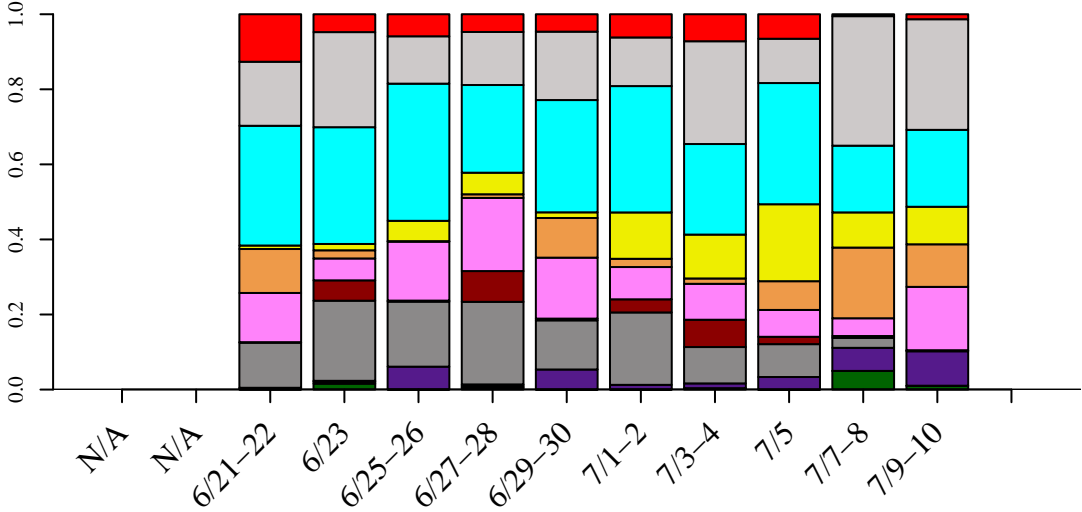
2017



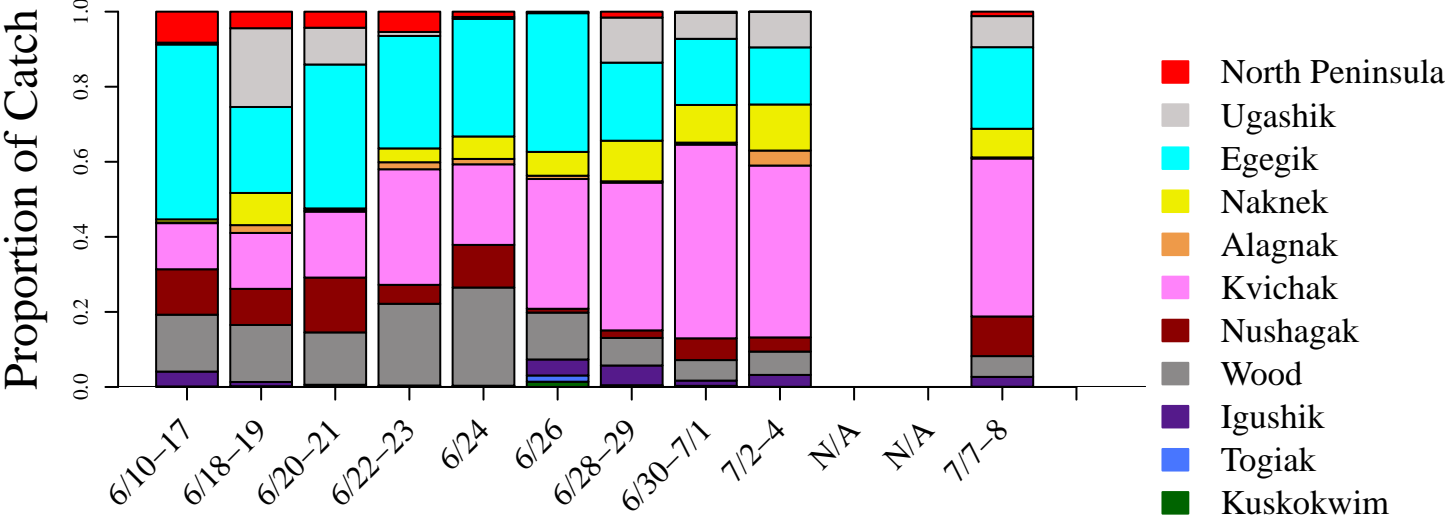
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# Historical Comparison of Stock Composition Estimates

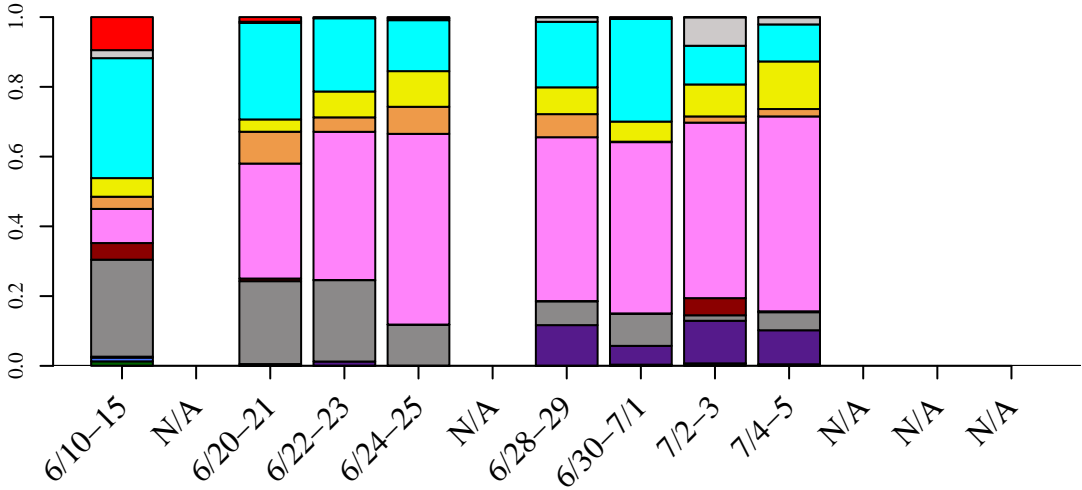
2016



2015



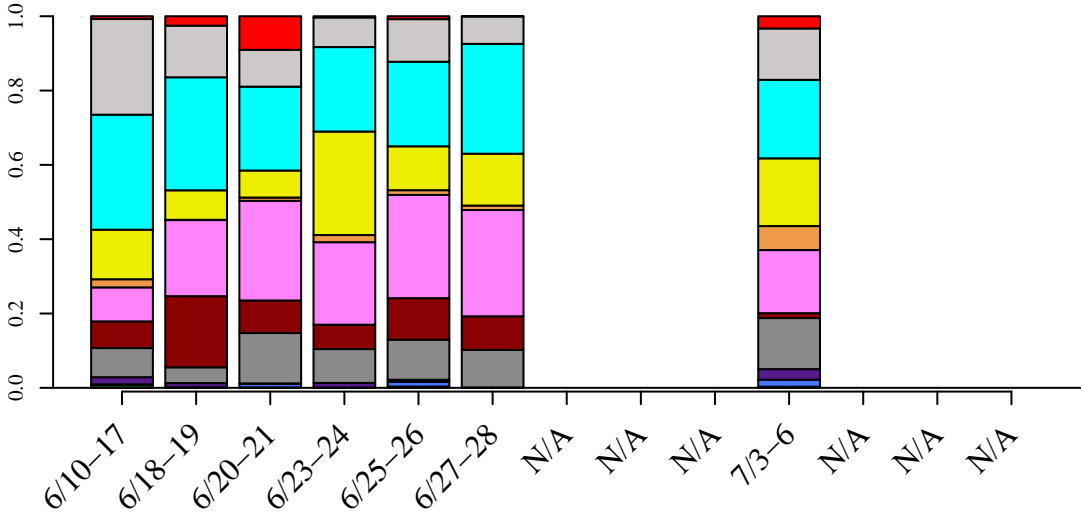
2014



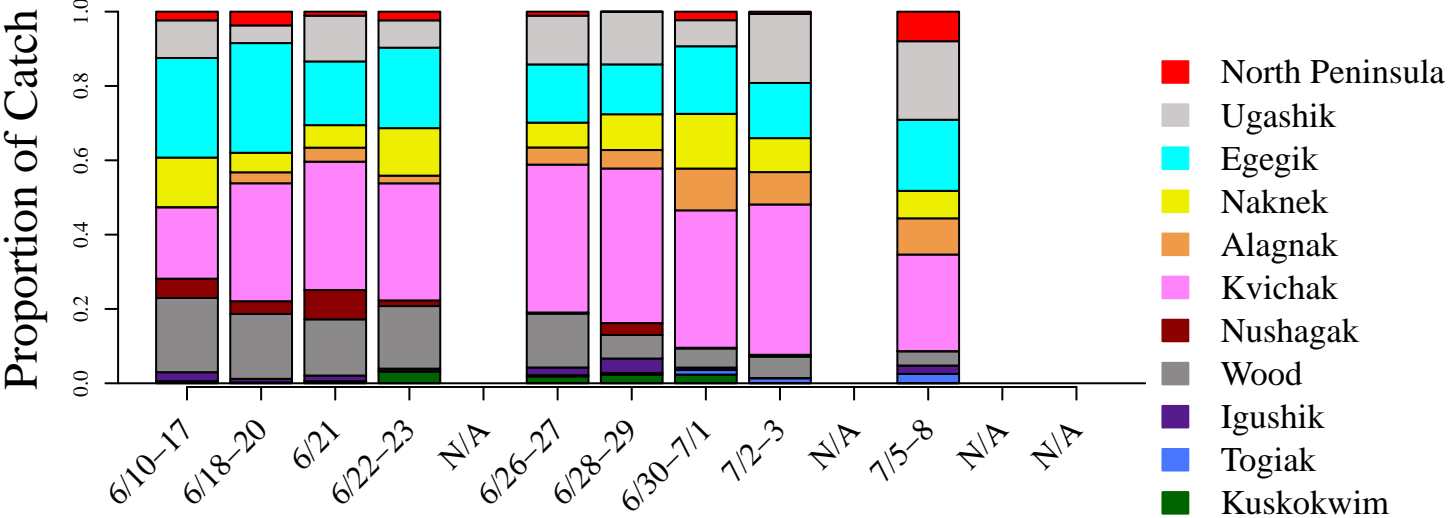
Date

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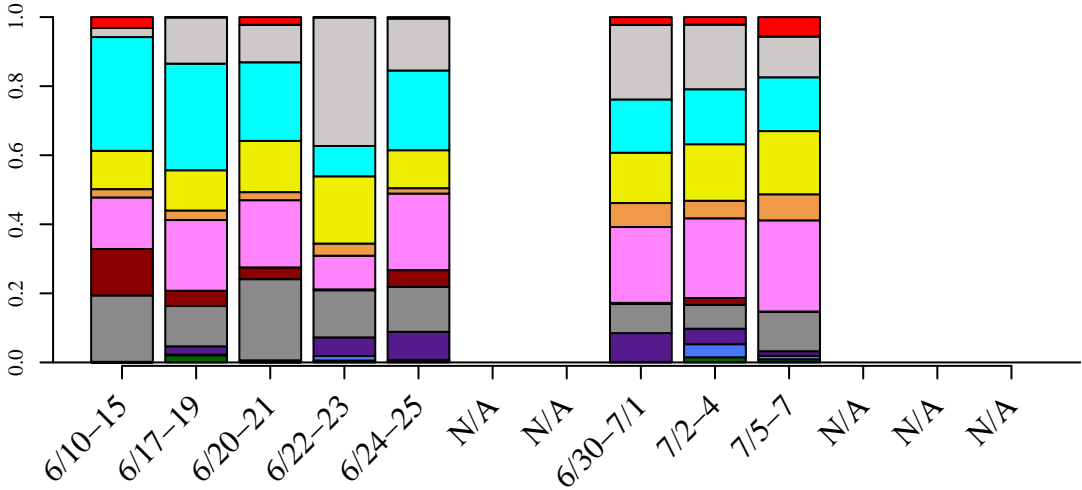
2013



2012



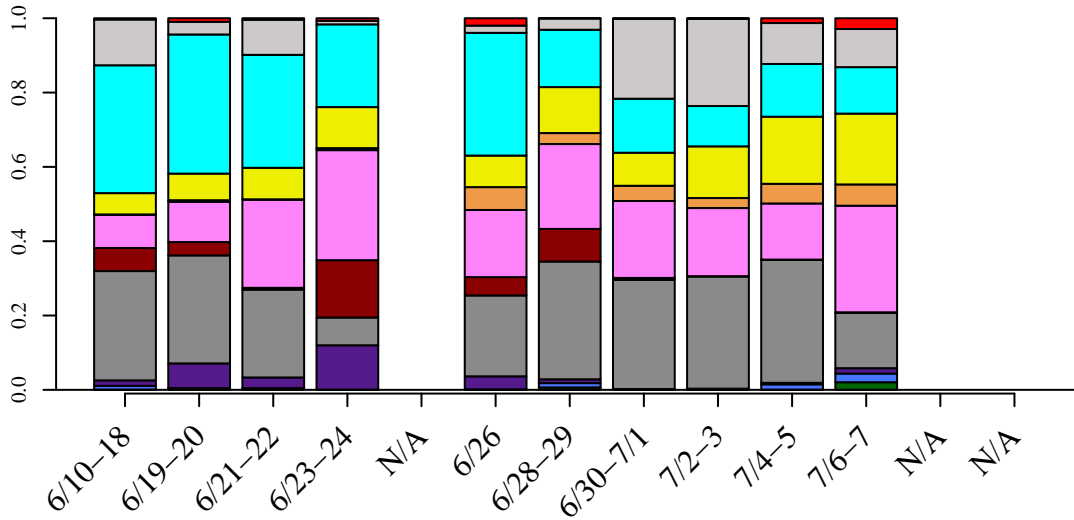
2011



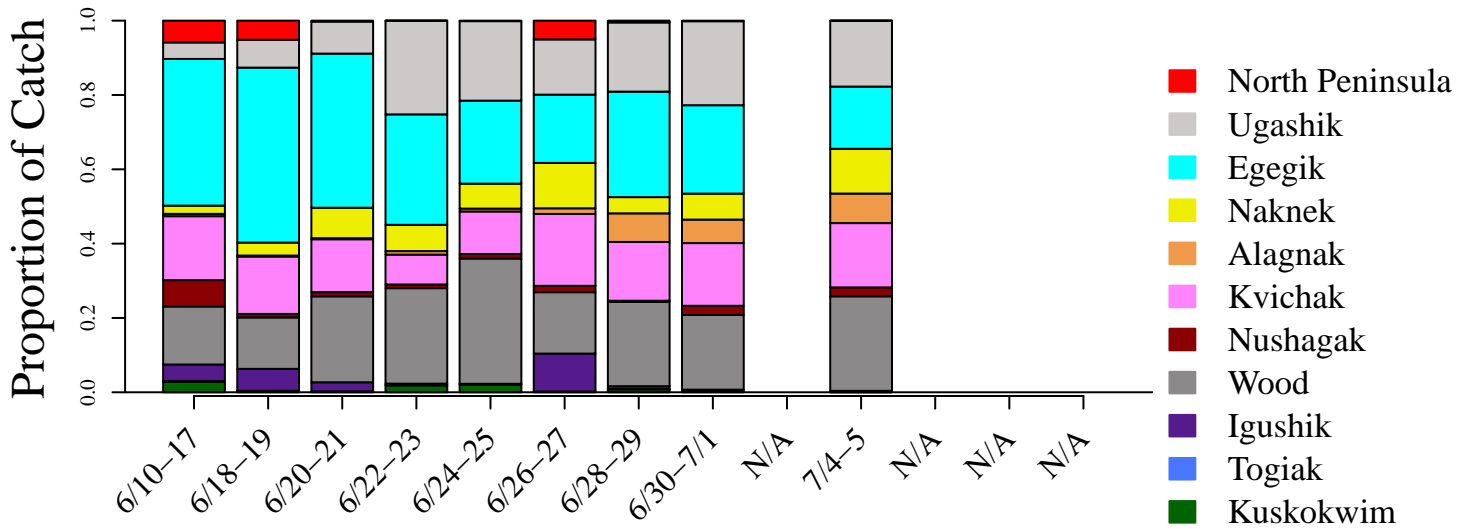
Date

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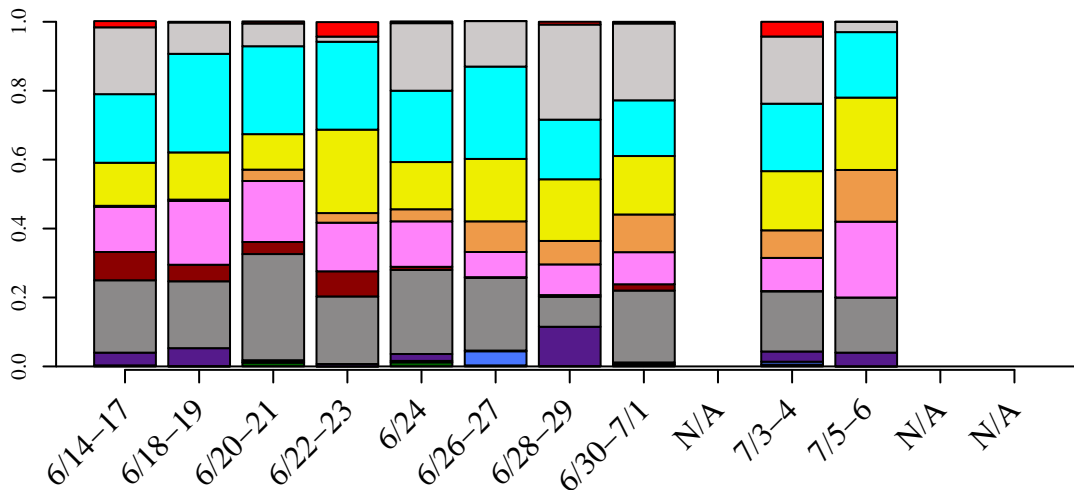
2010



2009



2008



Date



