Michael Link

From: Scott Raborn <raborn@lgl.com>
Sent: Friday, July 8, 2022 3:07 PM
To: Michael Link
Cc: Scott Raborn
Subject: PMTF Stock Comp. Estimate #11—samples from July 6-7, 2022
Attachments: PM genetics inseason 7.6-7.2022.pdf; PMTF_DailyIndex_ByDistrict.pdf; BB_Age Comp_4_7-8.pdf

Everyone,

Attached is the 11th stock composition estimate from ADF&G and the BBSRI At-Sea Genetics Program for the 2022 Port Moller Test Fishery. Also attached is a figure showing these results weighted by the magnitude of the indices they represent along with catch plus escapement (C+E). Finally, the latest age composition estimates are reported.

Stock Composition (Stations 2-22 from July 6-7):

	Stock Composition	90% Confidence Intervals	
Reporting Group	Estimate	Lower	Upper
North Peninsula	0.2%	0.0%	1.1%
Ugashik	2.2%	0.0%	9.4%
Egegik	14.8%	8.0%	21.8%
Naknek	10.6%	3.8%	18.1%
Alagnak	4.3%	0.0%	10.3%
Kvichak	33.5%	25.6%	41.6%
Nushagak	15.2%	8.5%	22.5%
Wood	16.1%	8.7%	23.5%
Igushik	2.5%	0.0%	9.7%
Togiak	0.4%	0.0%	2.0%
Kuskokwim	0.2%	0.0%	1.3%

Scott and Michael

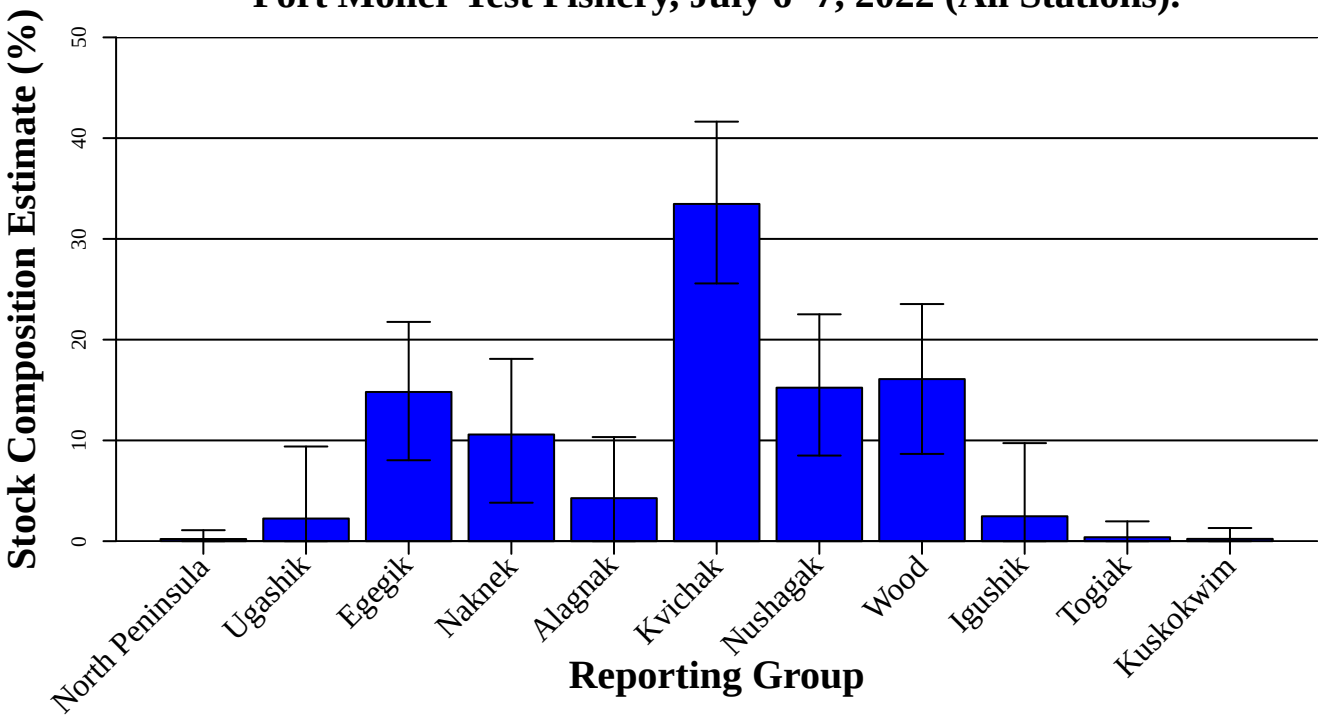
Bristol Bay Sockeye Salmon Fishery

Port Moller Sockeye Salmon Stock Composition Summary
July 6−7, 2022 − All Stations

Genetic stock composition estimates for sockeye salmon from the Port Moller Test Fishery for July 6−7, 2022. A total of 203 fish were sampled and 190 were analyzed (190 had adequate data to include in the analysis).

Reporting Group	Stock Composition Estimate	90% Confidence Intervals Lower	Upper
North Peninsula	0.2%	0.0%	1.1%
Ugashik	2.2%	0.0%	9.4%
Egegik	14.8%	8.0%	21.8%
Naknek	10.6%	3.8%	18.1%
Alagnak	4.3%	0.0%	10.3%
Kvichak	33.5%	25.6%	41.6%
Nushagak	15.2%	8.5%	22.5%
Wood	16.1%	8.7%	23.5%
Igushik	2.5%	0.0%	9.7%
Togiak	0.4%	0.0%	2.0%
Kuskokwim	0.2%	0.0%	1.3%

Genetic Stock Composition Estimates for Sockeye Salmon Captured in the Port Moller Test Fishery, July 6−7, 2022 (All Stations).



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

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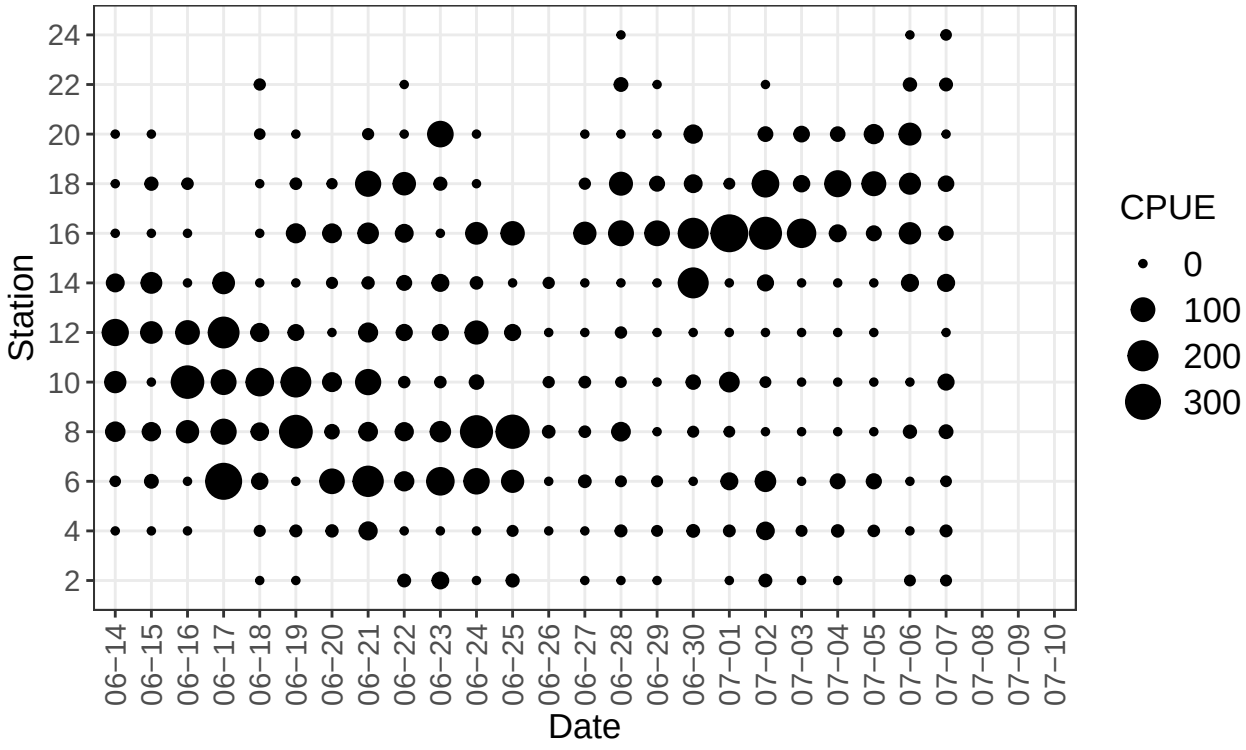
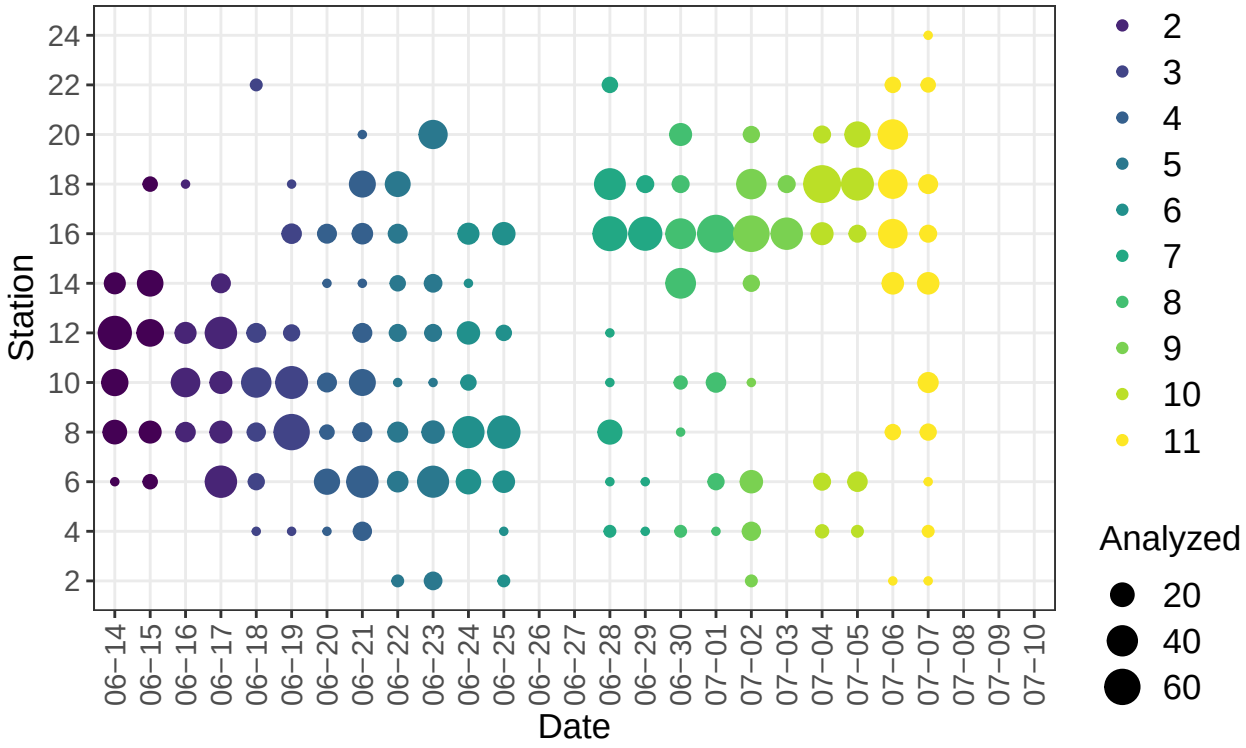
Port Moller Test Fishery 2022
Catch Per Unit of Effort by Date and Station



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



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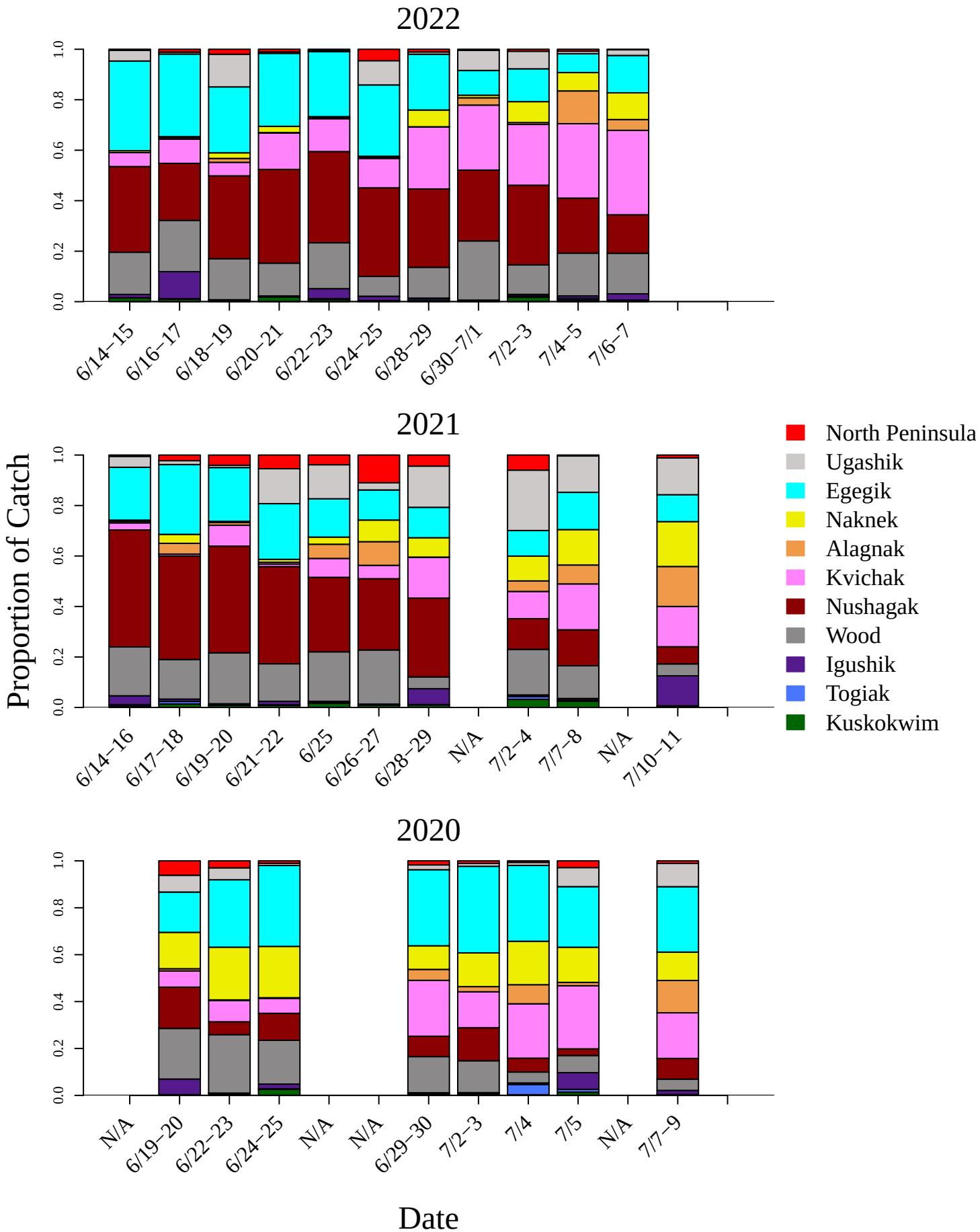
Historical Comparison of Stock Composition Estimates



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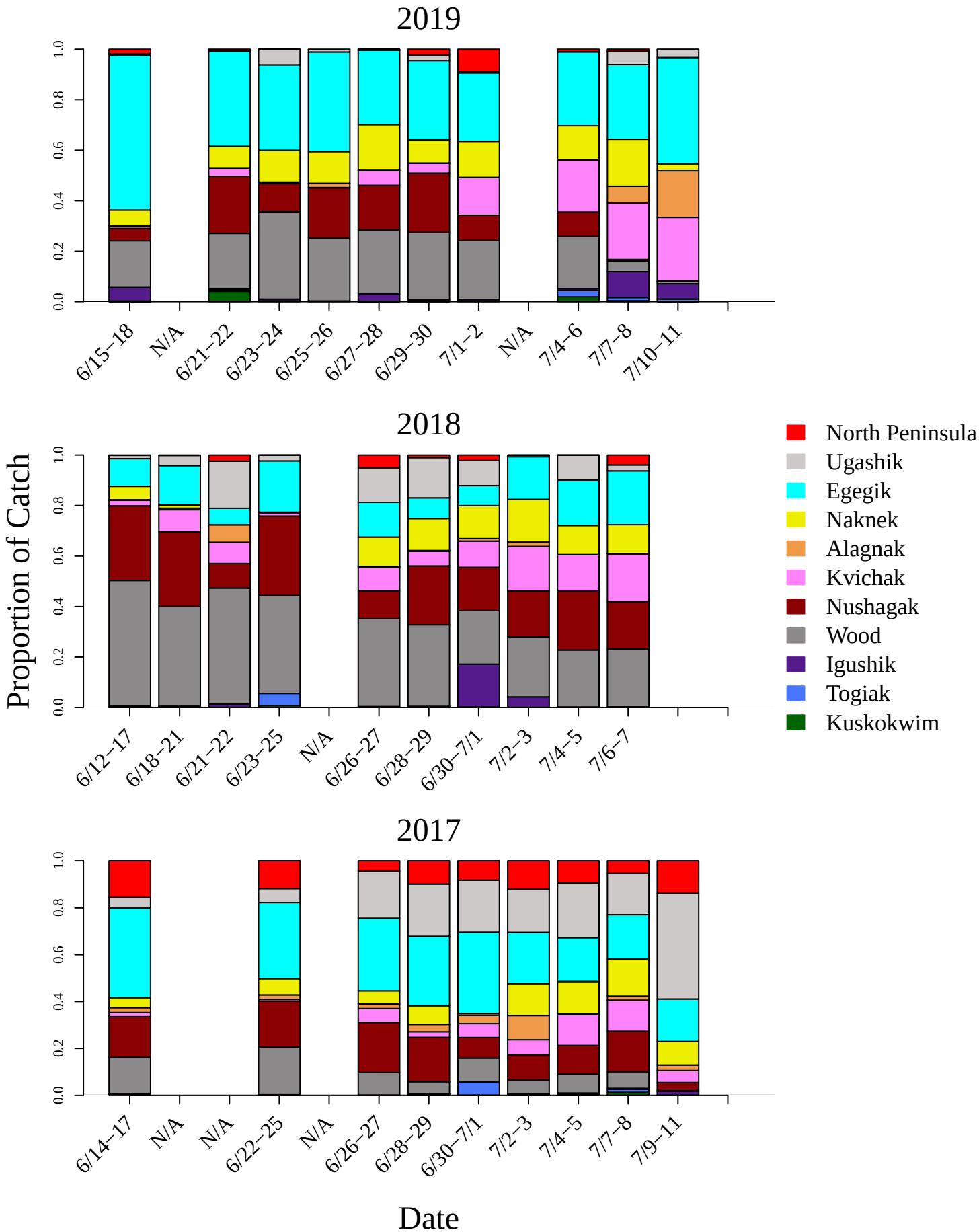
Historical Comparison of Stock Composition Estimates



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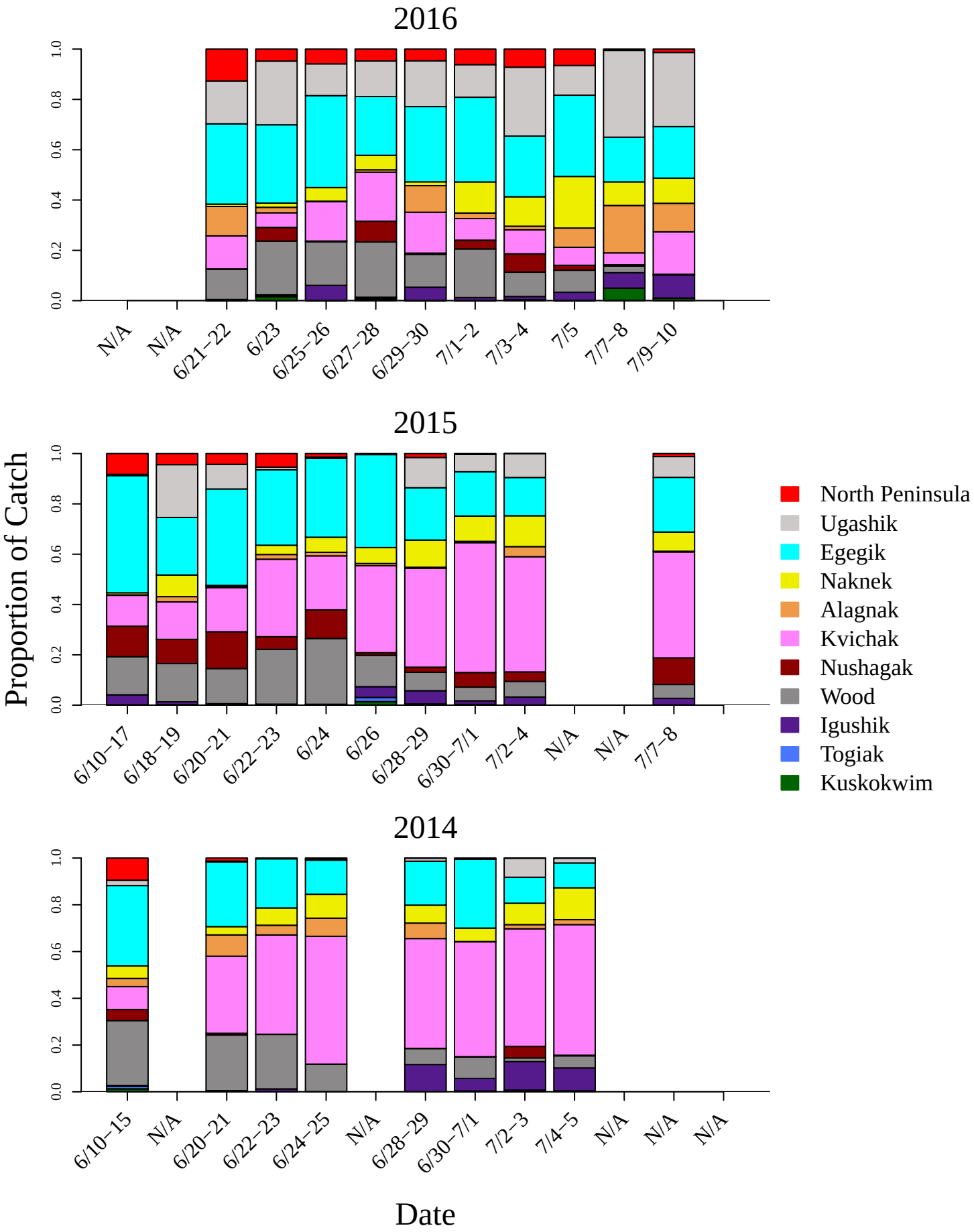
Historical Comparison of Stock Composition Estimates



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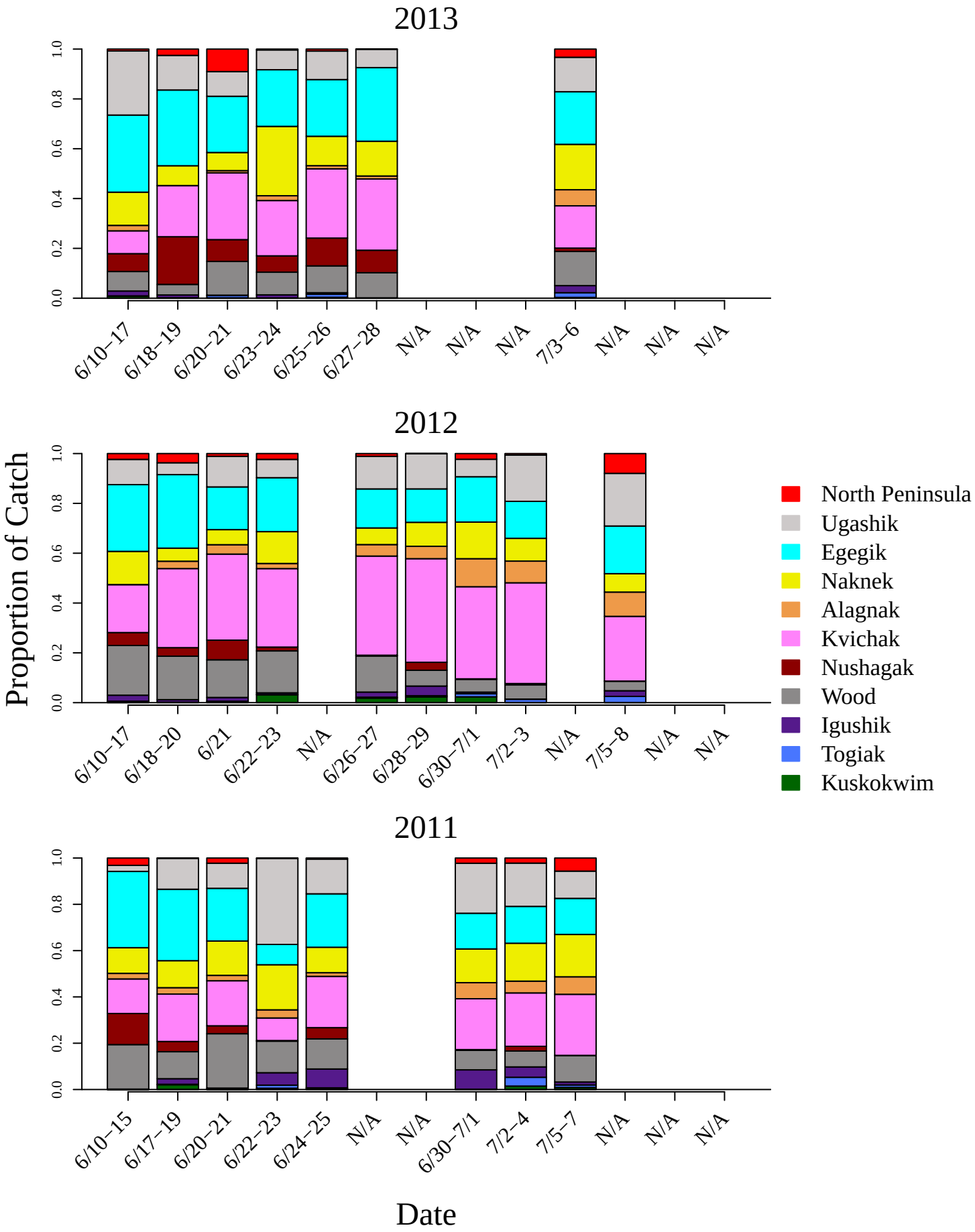

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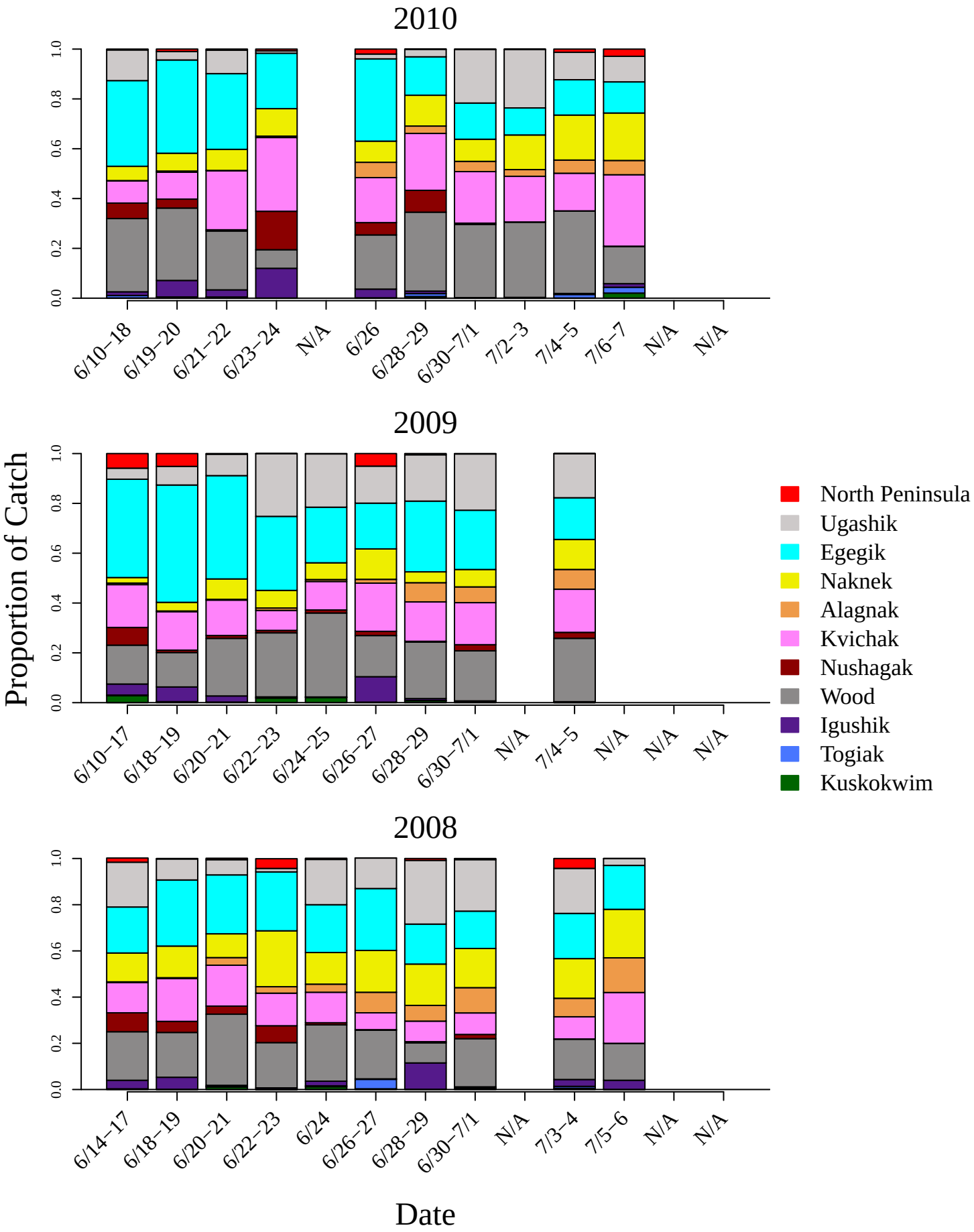

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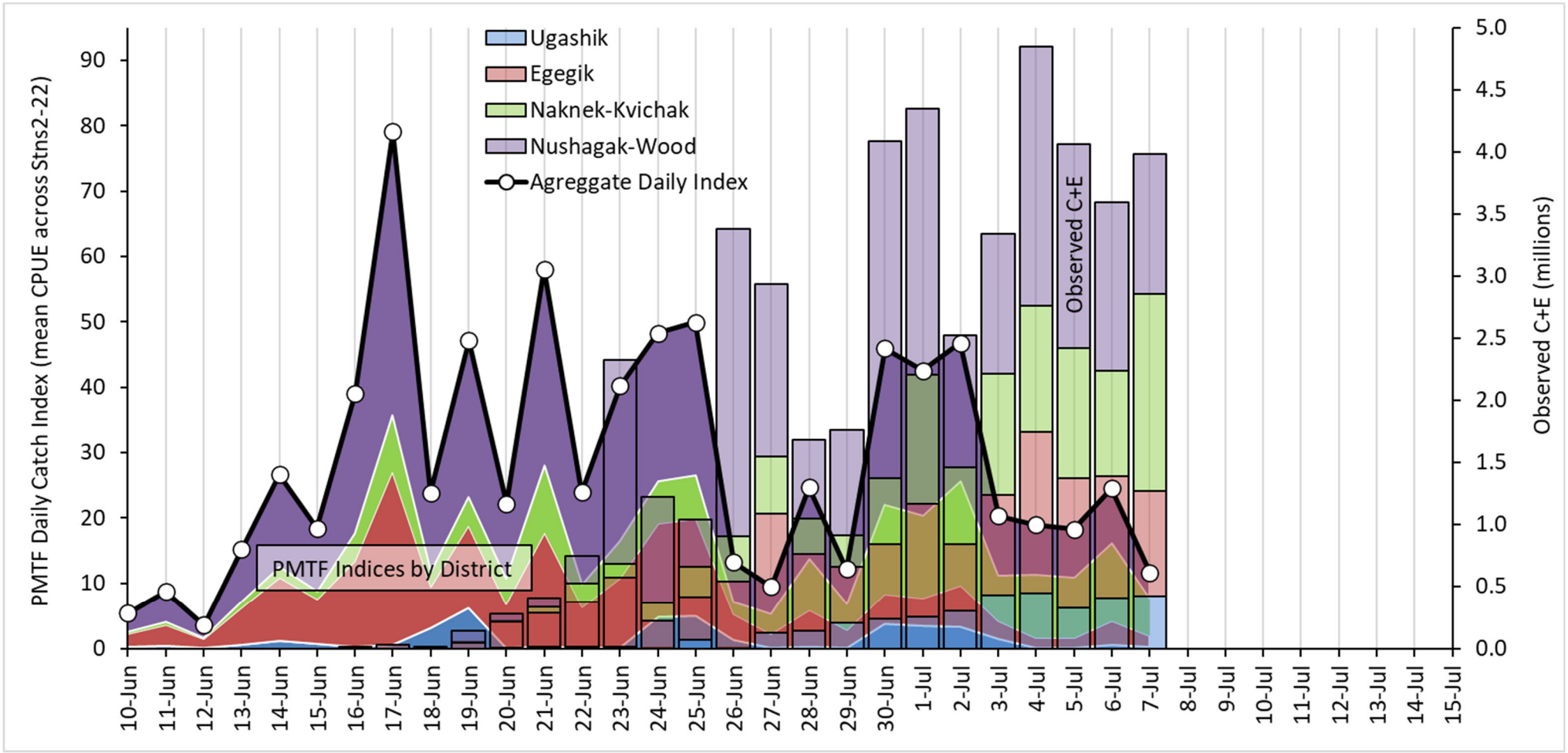
Figure 1. The 2022 Port Moller Daily Catch Index (averaged from Stations 2-22) parsed by district based on genetic stock composition estimates (colored stacked area curves scaled to the left vertical axis). Observed C+E (colored stacked columns) is also parsed by district and scaled to the right vertical axis. Colors are the same for both times series of data (stacked curves and columns).