Overview
Fish individual species products were not updated for this release. This document contains a brief summary of the changes to the MDAT group summary products. Additional details on the individual species and summary products can be found in the MDAT Technical Report (Curtice et al., 2018).

Species group summary product updates

1. Fish group diversity layers have changed. In the initial release, group richness products filtered out cells with extremely low abundance/biomass values, but the diversity products did not. This release adds that same low cell-value filtering algorithm to the diversity products for the fish. Each individual species layer is pre-filtered to contain only the cells that are included in the area holding 95% of the total predicted biomass for the species.

2. Previously, group summary products were only available for the NEFSC trawl data. With this release, group summary products are available for the NEAMAP individual species trawl data. Methods to create the summary products are identical for both NEFSC and NEAMAP species group summary products.

3. Two new groups have been defined, and group summary products for total biomass, species richness, and two diversity indices have been created for both the NEFSC and the NEAMAP trawl survey data. These new groups are based on Hare et al. (2016):
   ○ **Very high and high vulnerability to climate related changes in abundance**: Alewife, American eel, American shad, Atlantic halibut, Atlantic sturgeon, Atlantic wolffish, Black sea bass, Blueback herring, Cusk, Hickory shad, Horseshoe crab, Northern shrimp, Ocean pout, Sand tiger, Sea scallop, Striped bass, Tautog, Thorny skate, Tilefish, Winter flounder, Witch flounder
References


Fogarty, M., Perretti, C. 2016. Distribution and biomass data for fish species along the U.S. east coast from about Cape Hatteras north to Canadian waters, created by the Northeast Fisheries Science Center for the Northeast Regional Ocean Council. Online access: http://www.northeastoceandata.org/data-explorer/?fish