



Marine-life Data and Analysis Team (MDAT) Fish Product Updates Summary of Changes for v3.1 Update (September 2021)

Overview

Fish individual species products from the NEFSC trawl survey were updated by MDAT, in partnership with The Nature Conservancy, and OceanAdapt (a collaboration between the Pinsky Lab at Rutgers University and the National Marine Fisheries Service) in early 2019. These products were reviewed by species experts and other stakeholders, and are documented in detail in Curtice et al. (2019). This document contains a brief summary of the changes to the NEFSC base-layer products and the MDAT NEFSC group summary products. Additional details on these products and other base-layer and summary products can be found in the MDAT Technical Report (Curtice et al., 2019). Base-layer products for the MDMF, MENH, and NEAMAP trawl surveys have not been updated.

Individual species base-layer updates

1. Additional survey data. Individual species products now include data at each surveyed trawl site from 2010-2019 for Spring and Fall. Records for Fall 2017 were removed due to incomplete coverage of the survey area, as recommended by the NOAA Northeast Fisheries Science Center (NEFSC).

Species group summary product updates

1. Additional data. The summary products for each species group for Spring and Fall now include data from 2010 through 2019. Summary products represent total biomass, species richness, Shannon diversity, Simpson diversity, core biomass area - Northeast scale, core biomass area - Mid-Atlantic scale, and core biomass area - Northeast Shelf scale.

References

Curtice, C., Cleary J., Shumchenia E., Halpin P.N. 2019. Marine-life Data and Analysis Team (MDAT) technical report on the methods and development of marine-life data to support regional ocean planning and management. Prepared on behalf of the Marine-life Data and Analysis Team (MDAT). Accessed at: <http://seamap.env.duke.edu/models/MDAT/MDAT-Technical-Report.pdf>.