Supporting information for *Seasonal prediction of ocean biogeochemistry in the Northeast U.S. Large Marine Ecosystem using a regional ocean-biogeochemistry model*

Andrew C. Ross[1], Charles A. Stock[1], Vimal Koul[2,3], Liwei Jia[1], Nathaniel C. Johnson[1], and Colleen McHugh[4]

[1]NOAA/OAR/Geophysical Fluid Dynamics Laboratory, 201 Forrestal Road, Princeton, NJ 08540, USA
[2]Princeton University Cooperative Institute for Modeling the Earth System, 201 Forrestal Road, Princeton, NJ 08540, USA
[3]Now at Centre for Atmospheric Sciences, Indian Institute of Technology Delhi
[4]Science Applications International Corporation, Reston, VA 20190, USA

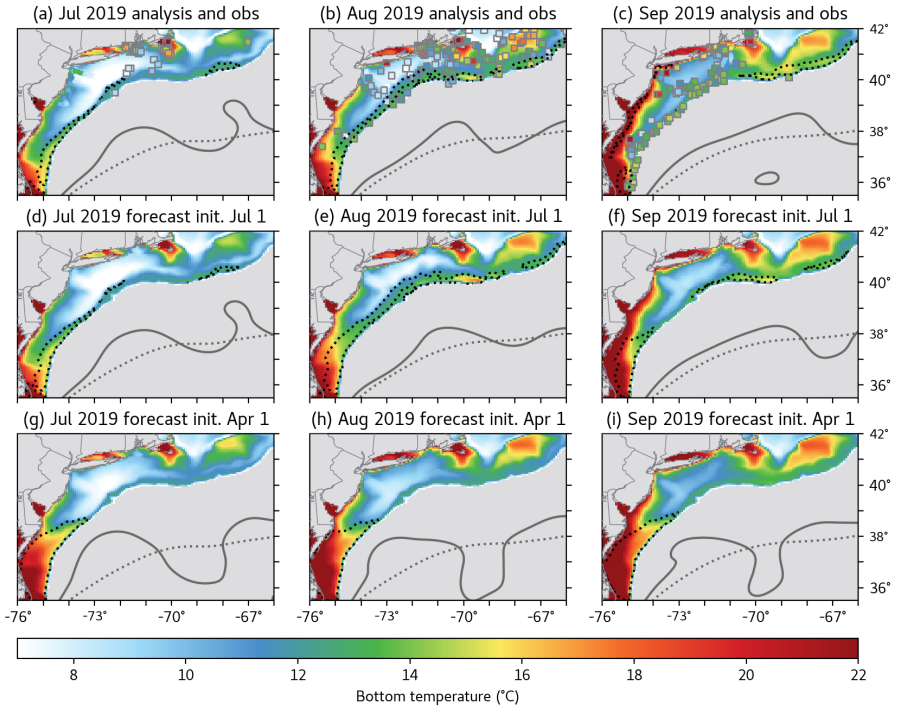

Figure S1. Monthly mean ocean bottom temperature for July through September, 2019, from the nudged analysis simulation and observations (top row), and the ensemble mean forecast of the same from the July 1 2019 initialization (middle row) and the April 1 2019 initialization (bottom row). Bottom temperature is shown in color shading where the bottom depth is less than 500 m. Point observations of temperature values are overlaid inside gray squares in the top row, and glider observations are overlaid without an edge color. Thin dotted lines outline regions where the bottom temperature anomaly was more than 2 units above average. Off the shelf, the solid grey lines show the position of the 25 cm sea surface height contour in the analysis and forecast simulations, and the dotted lines show the long-term mean position of this contour.