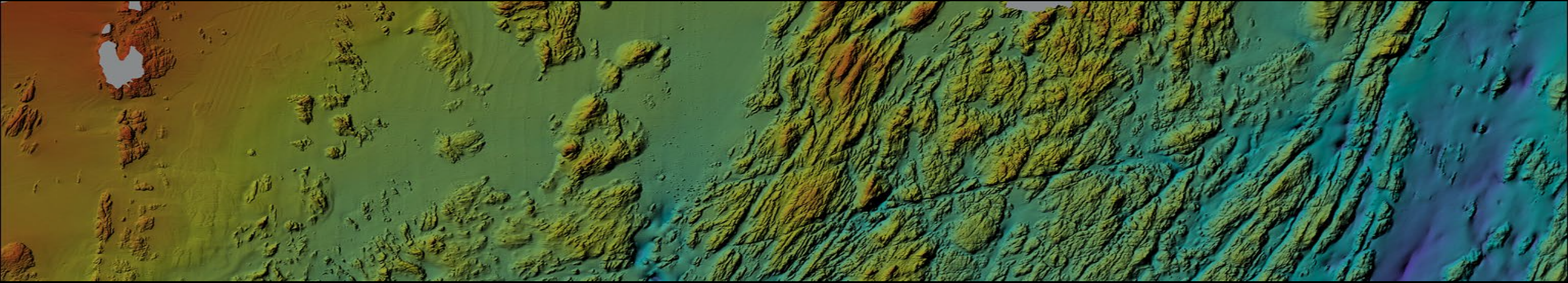


Maine Coastal Program's Mapping Initiative

2021 Season Update



Maine Coastal Program and Maine Geological Survey

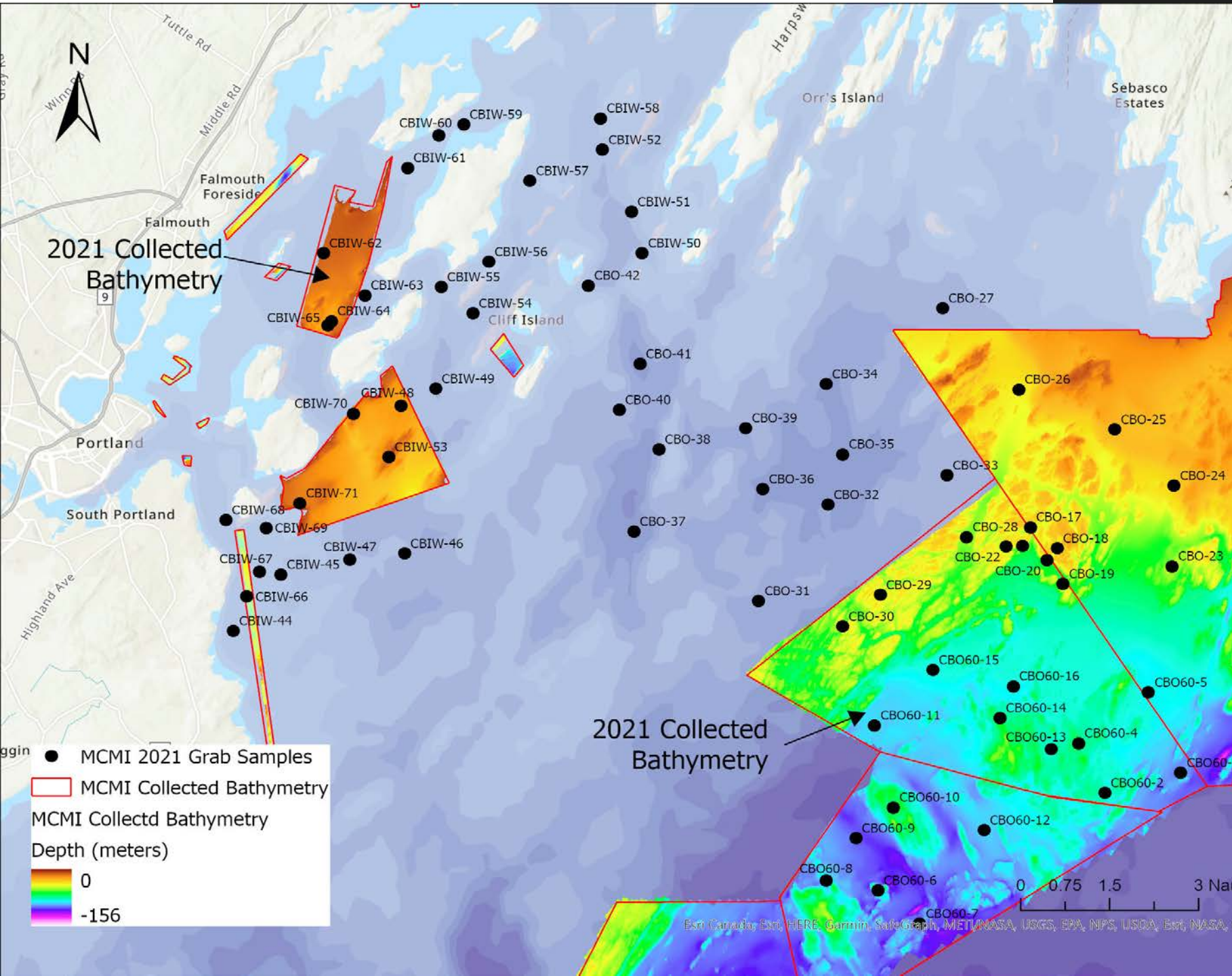
Claire Enterline, Research Coordinator

Dr. Thomas Trott, Benthic Ecologist

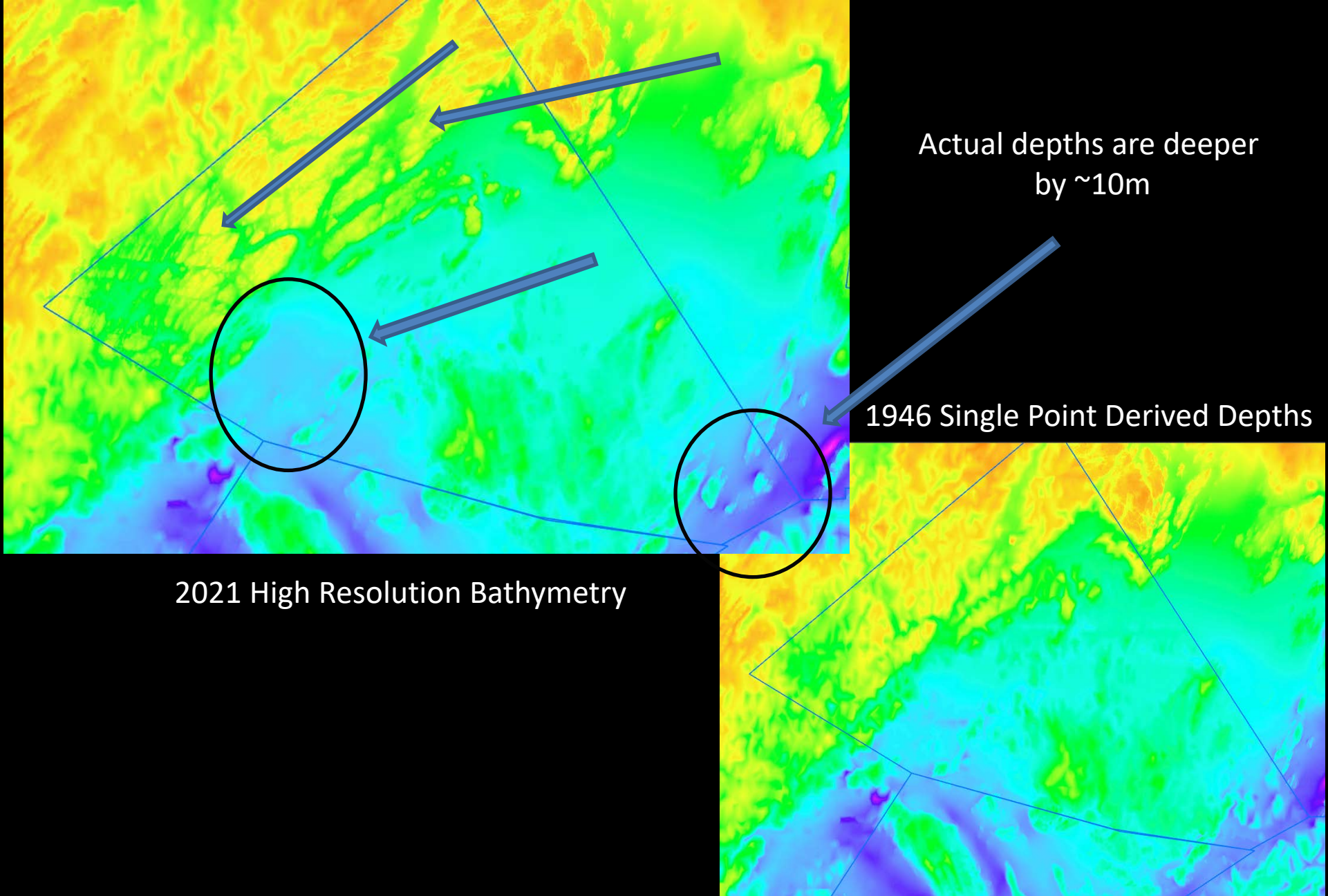
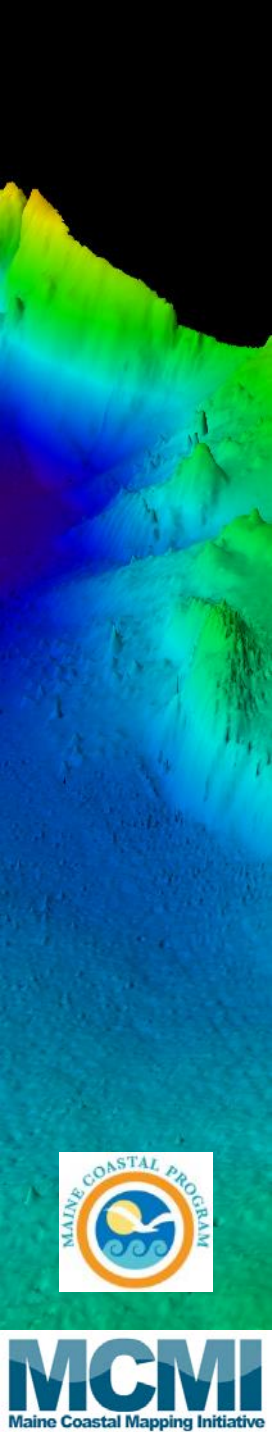
Peyton Benson, Hydrographer

Stephen Dickson, Marine Geologist





Casco Bay 2021 Surveys – Bathymetry and Grab Sample Locations



Casco Bay 2021 Surveys – Bathymetry Comparison to Past Surveys

Grab Sampling for Multiple Parameters



Physical Parameters

- Water Quality (ODO, Temperature, pH, Chlorophyll, Salinity, Depth)
- Sediment Grain Size

Biological Parameters

- Species Assemblage
- Species Diversity
- Preferred habitat

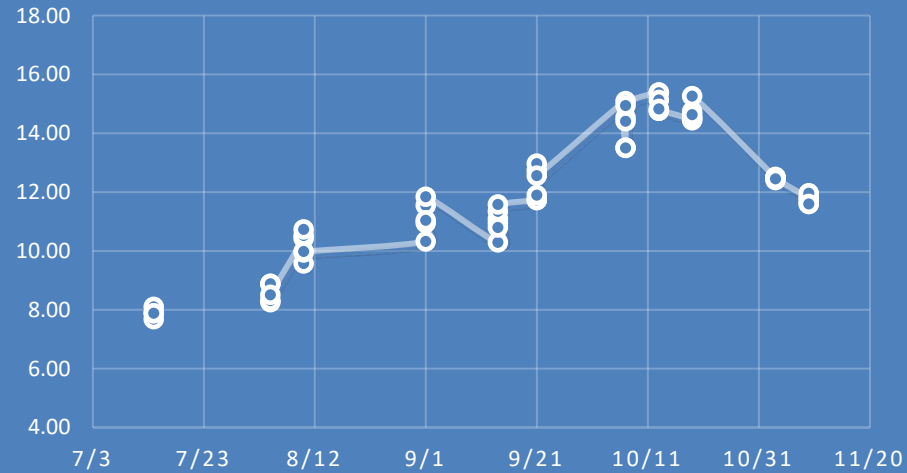
Spatial Parameters

- Spatial Distribution
- Outer Bay vs. Inner Bay

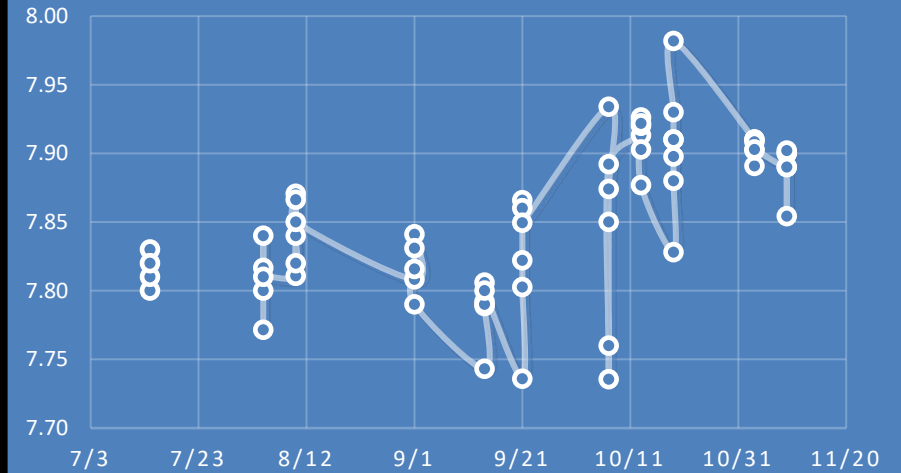


Casco Bay 2021 Results – Water Quality

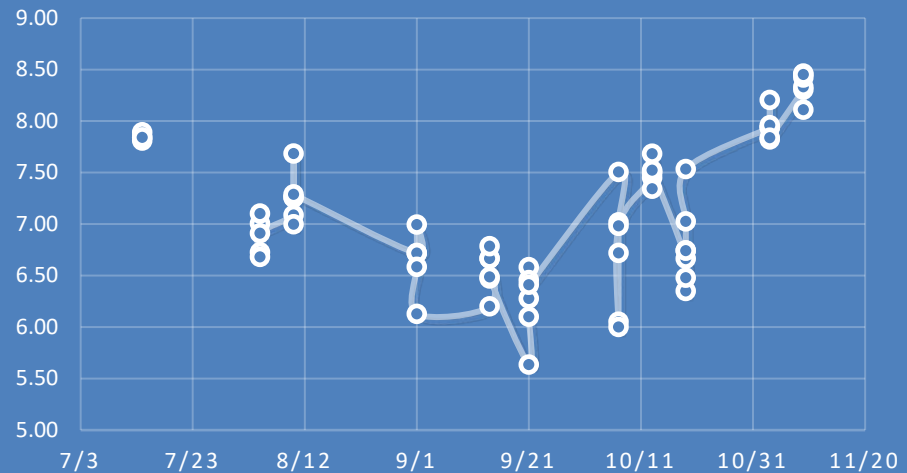
BOTTOM TEMPERATURE (C)



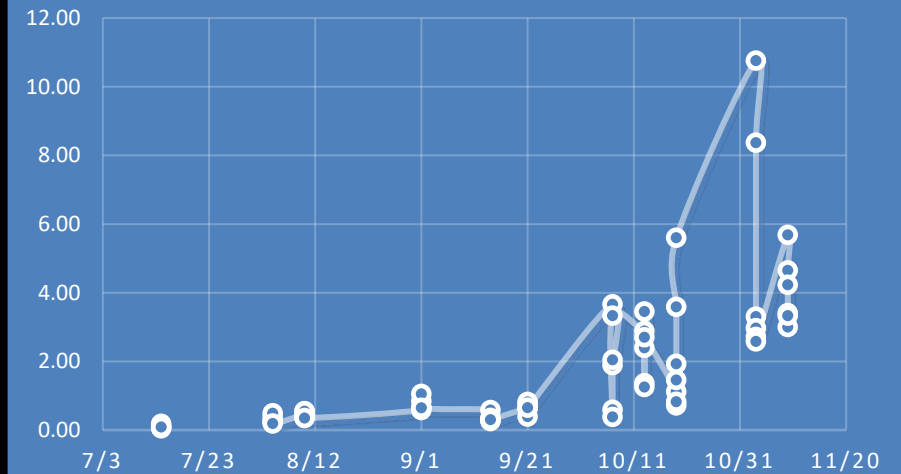
BOTTOM PH



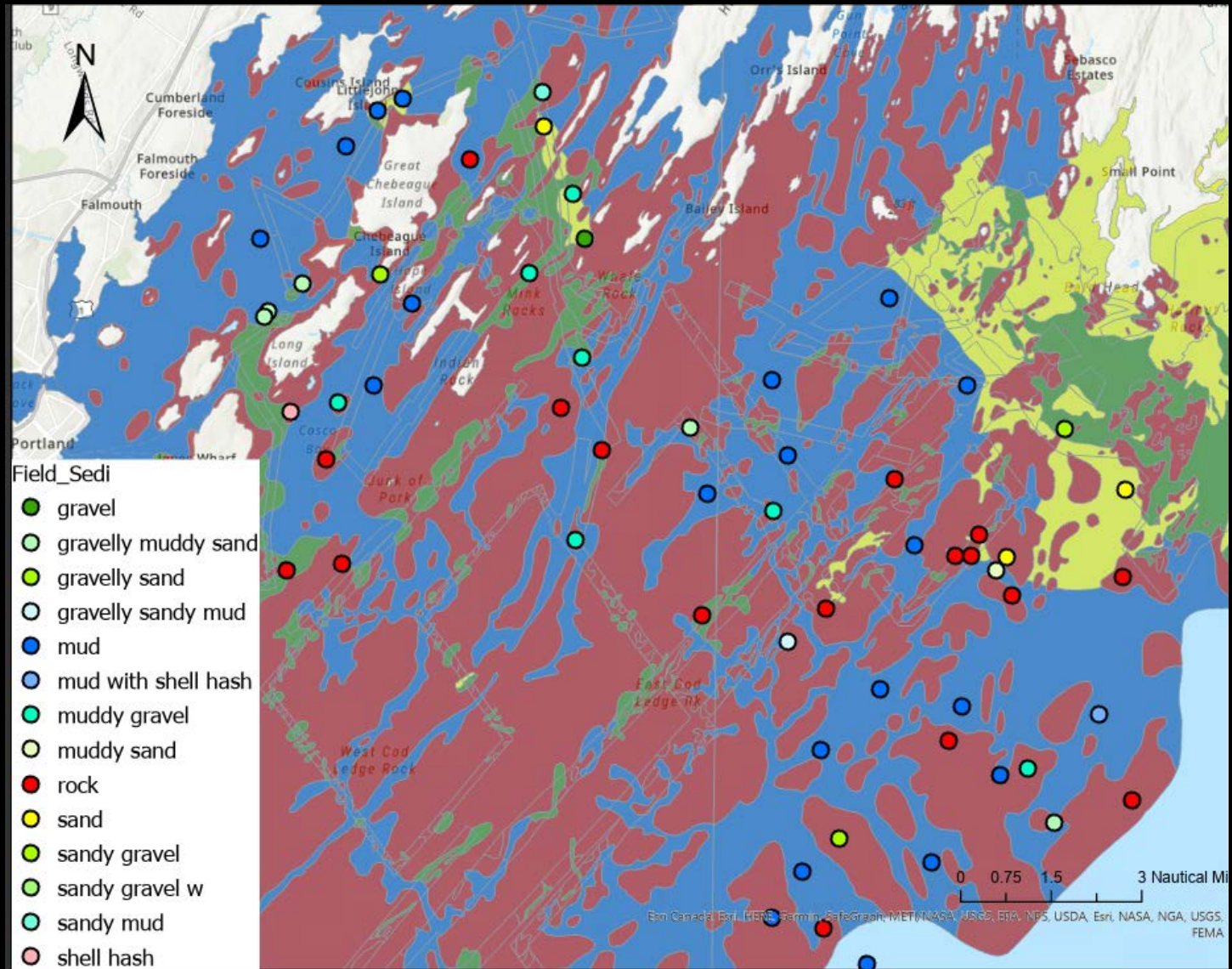
BOTTOM DO MG L-1



BOTTOM CHL MG L-1



Casco Bay 2021 Results – Sediment Type



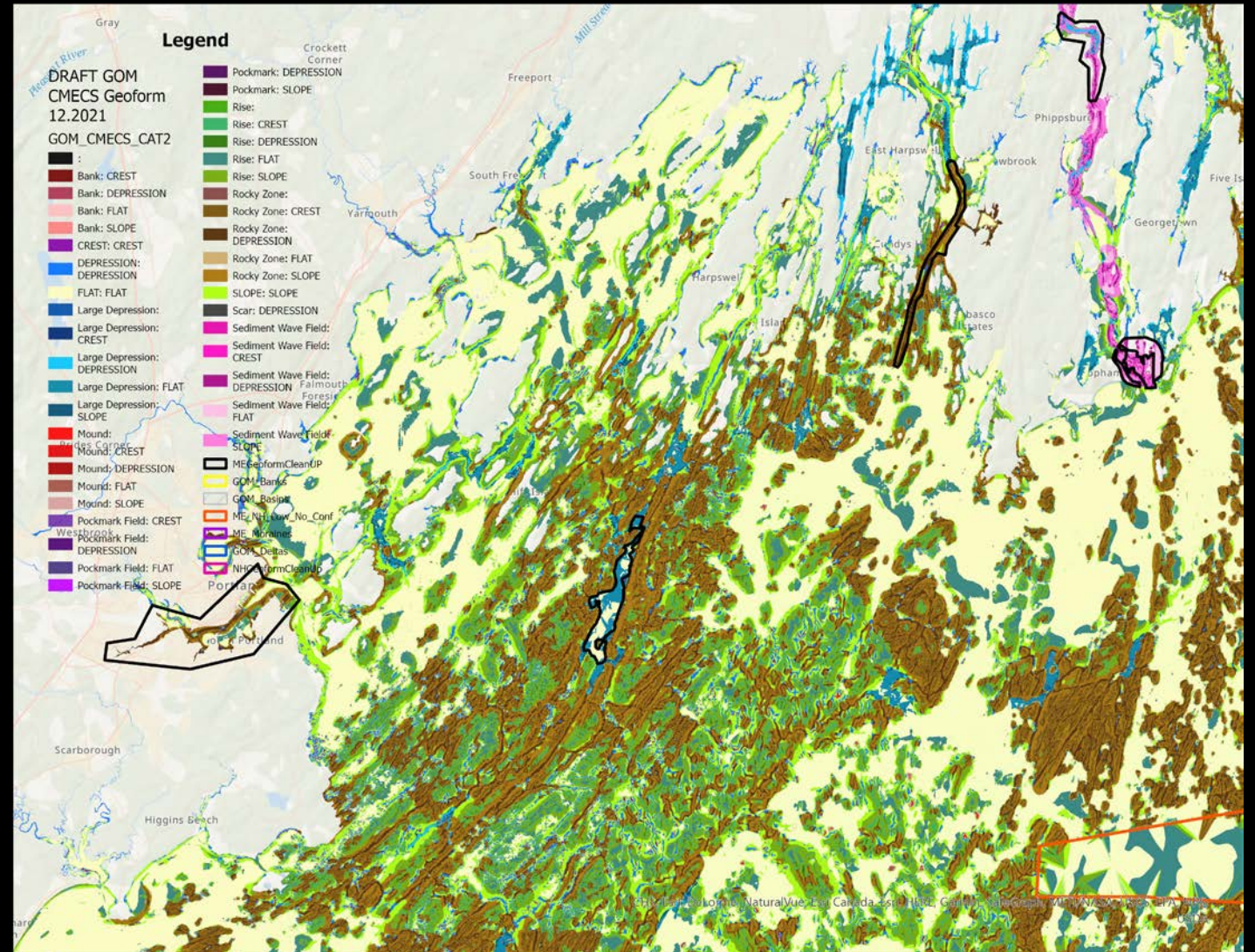
New Habitat Mapping Product: Gulf of Maine Seascape

Product Description –

Provides a regional view of the Gulf of Maine from the highest annual tide out to 24 nautical miles.

The Coastal and Marine Ecological Classification Standard and a consistent mapping approach were used, along with the best-quality data available to identify different bottom types, such as rocky areas, shoals, and moraines.

Will be available on the Northeast Data Portal spring 2022.



PARTNERS: NOAA's Office for Coastal Management, Maine Coastal Program, Maine Geological Survey, New Hampshire Coastal Program, Center for Coastal and Ocean Mapping, Massachusetts Coastal Zone Management, Tetra Tech

Casco Bay 2022 Season Objectives

