The Casco Bay Aquatic Systems Survey (CBASS)



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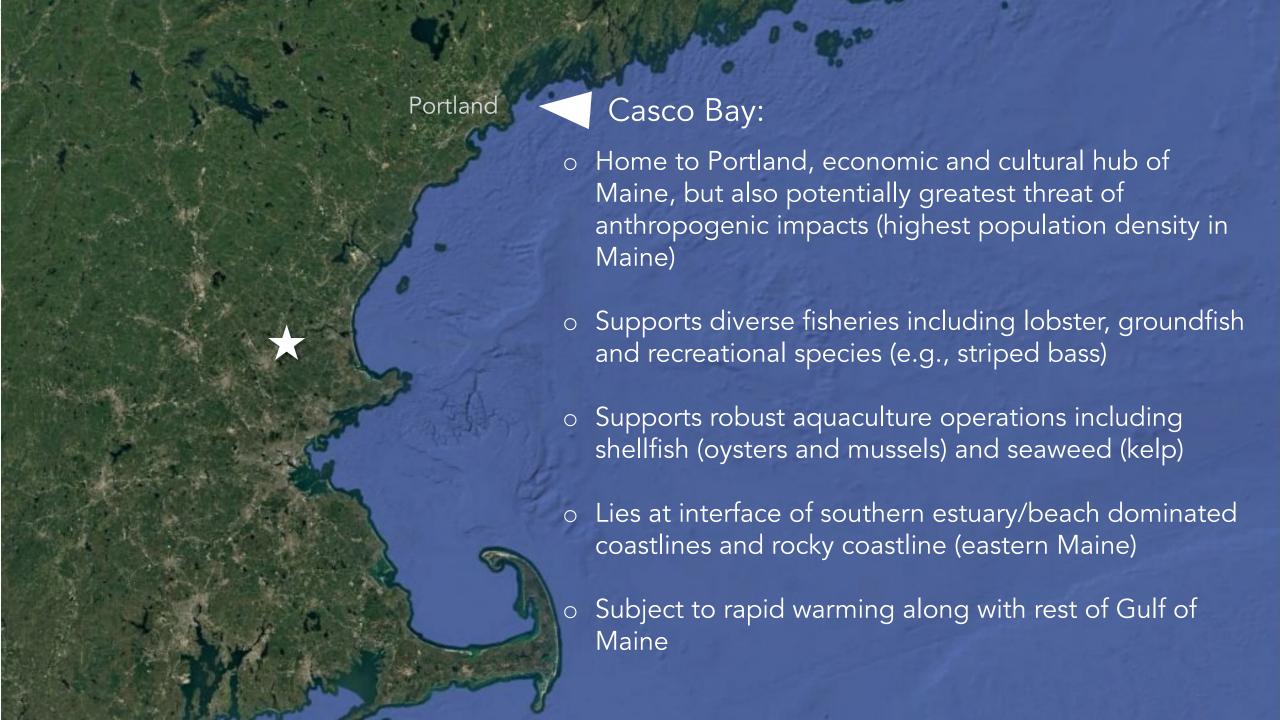


Gulf of Maine Monitoring and Research Symposium (April 8-9, 2025)









What is CBASS?



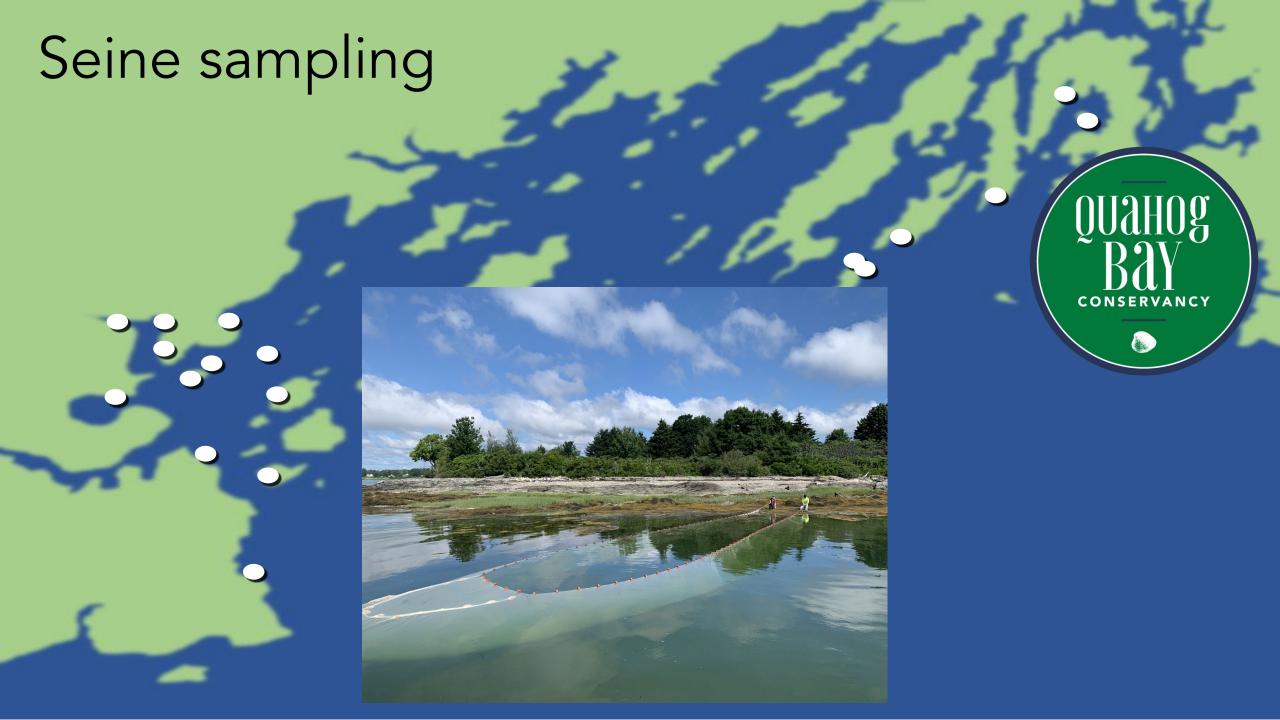
CBASS is a long-term coastal monitoring program to describe ecological changes in the nearshore ecosystem – primarily fish communities – due to rapid warming.

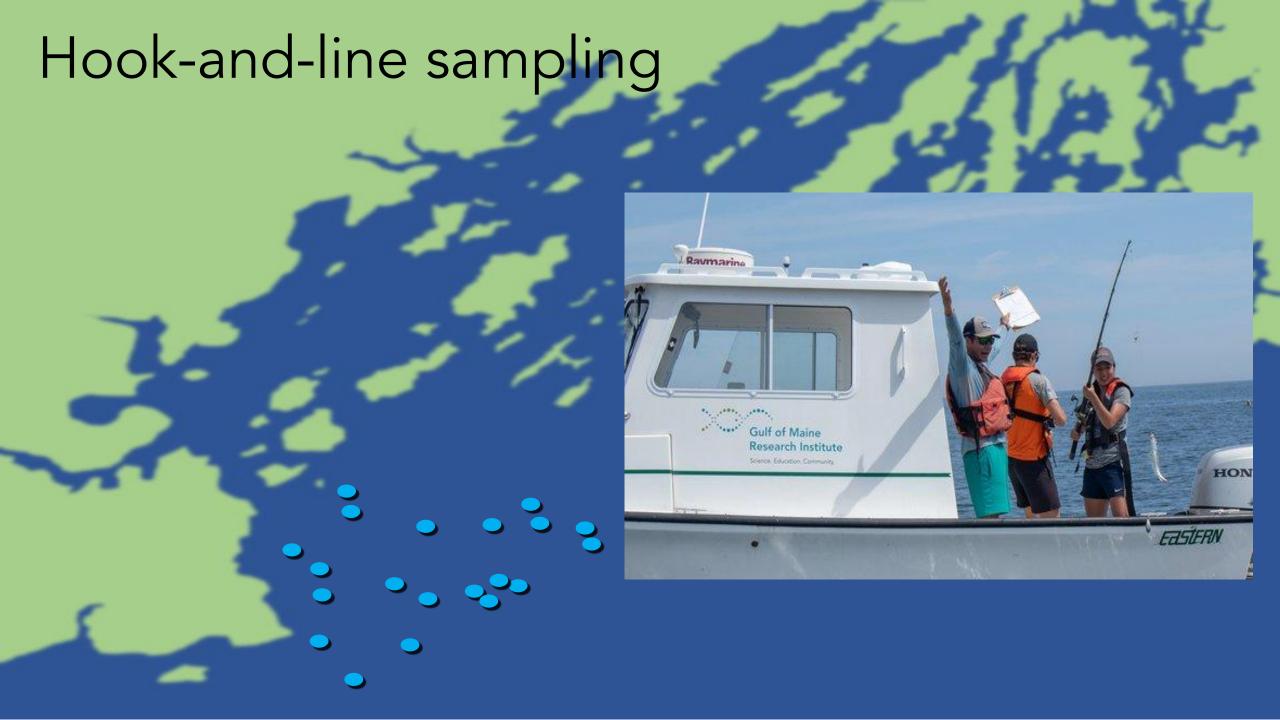
It began in 2014 as a response to the 2012 ocean heat wave in the Gulf of Maine.

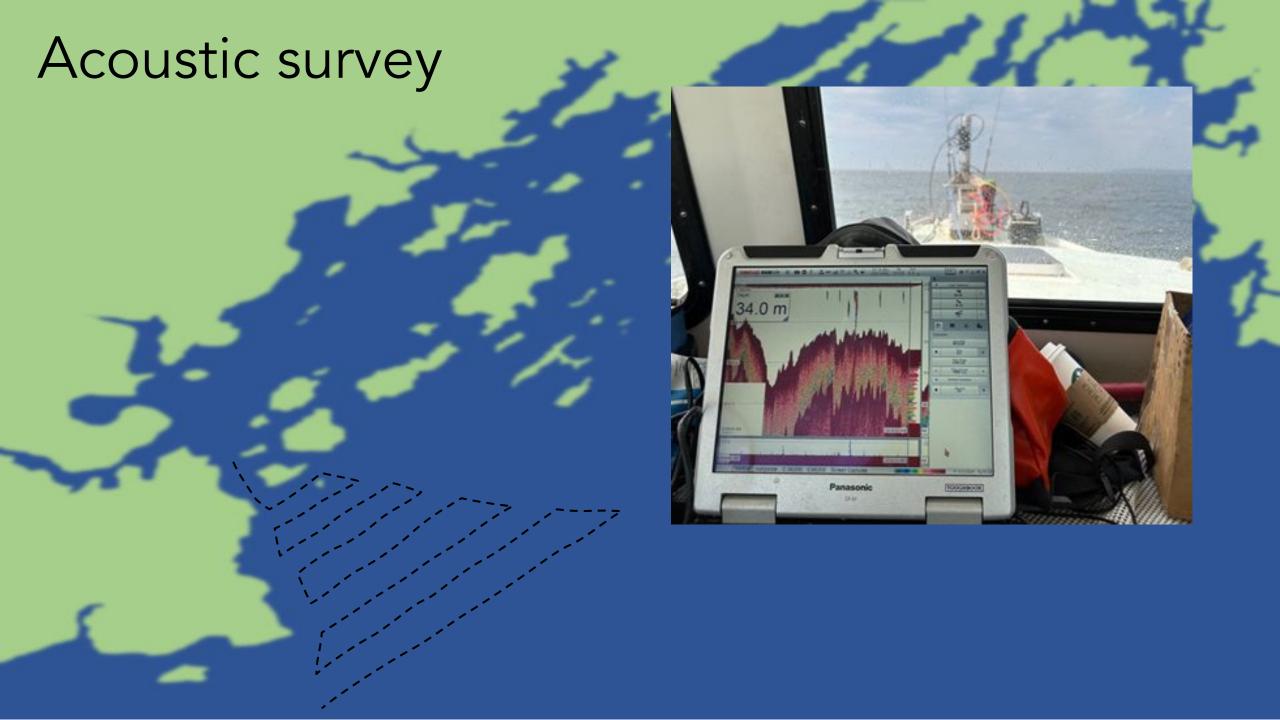
The name CBASS is a play on the expectation that we would see more black sea bass in the region; ironically, we've only seen one in 11 years of monitoring!



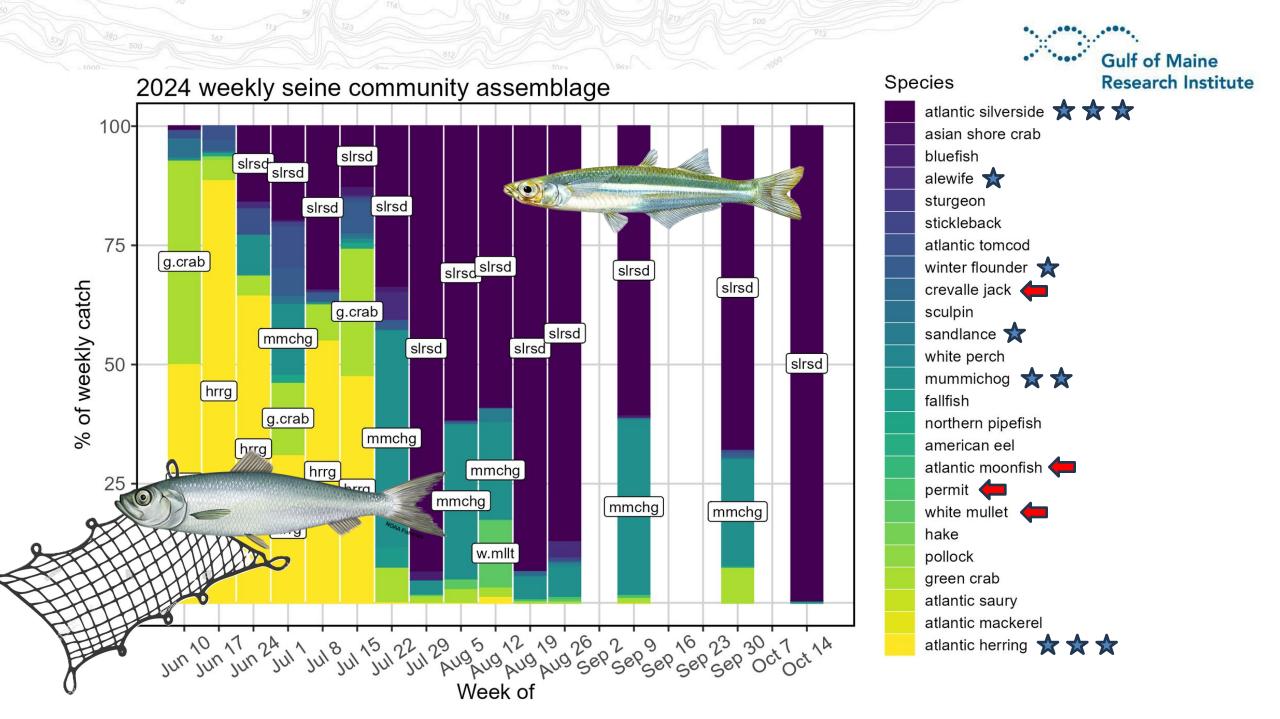




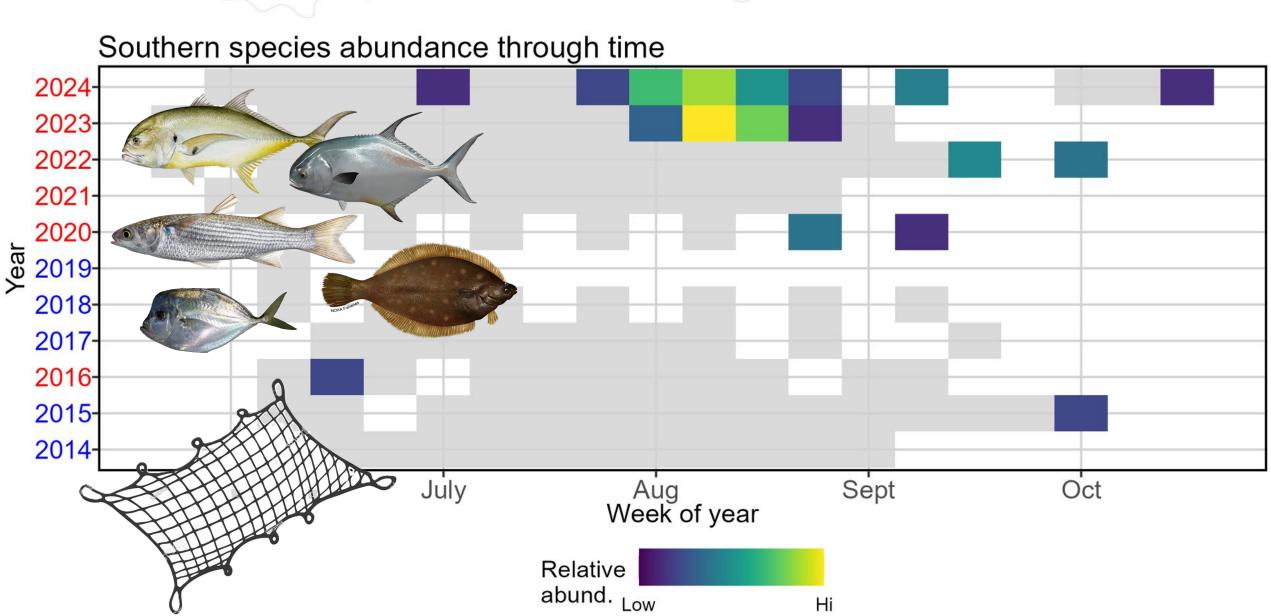


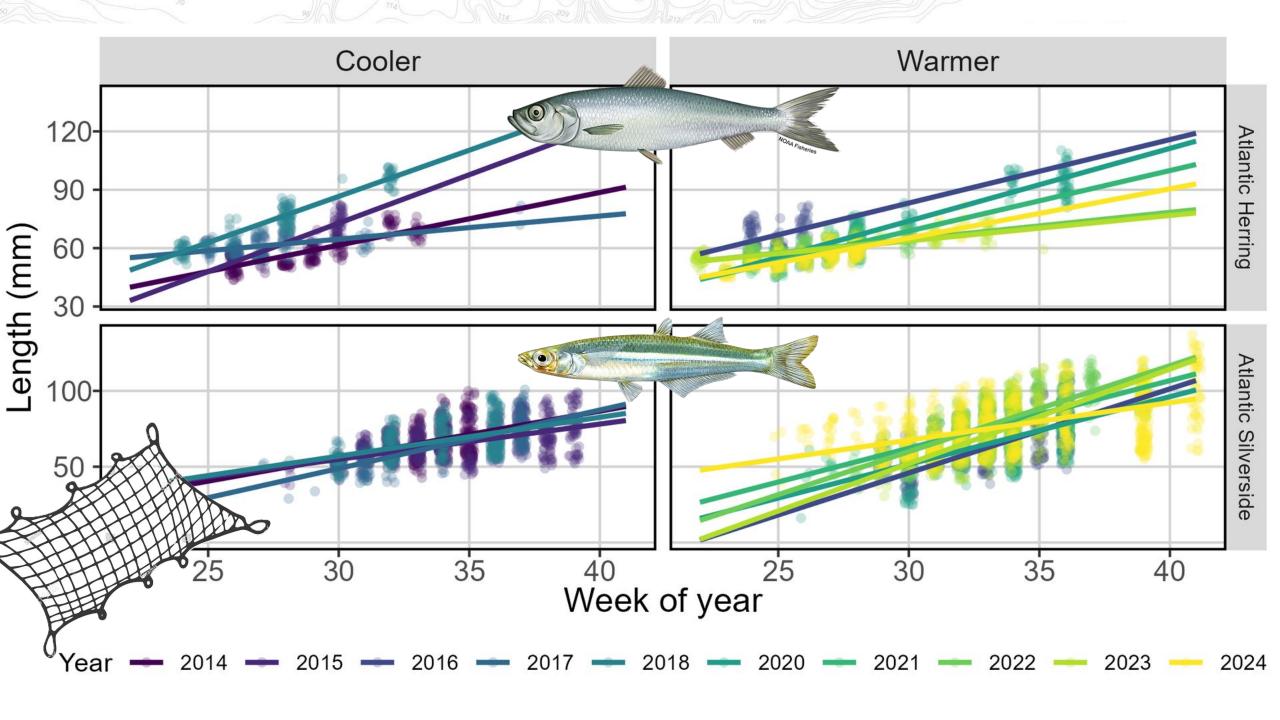




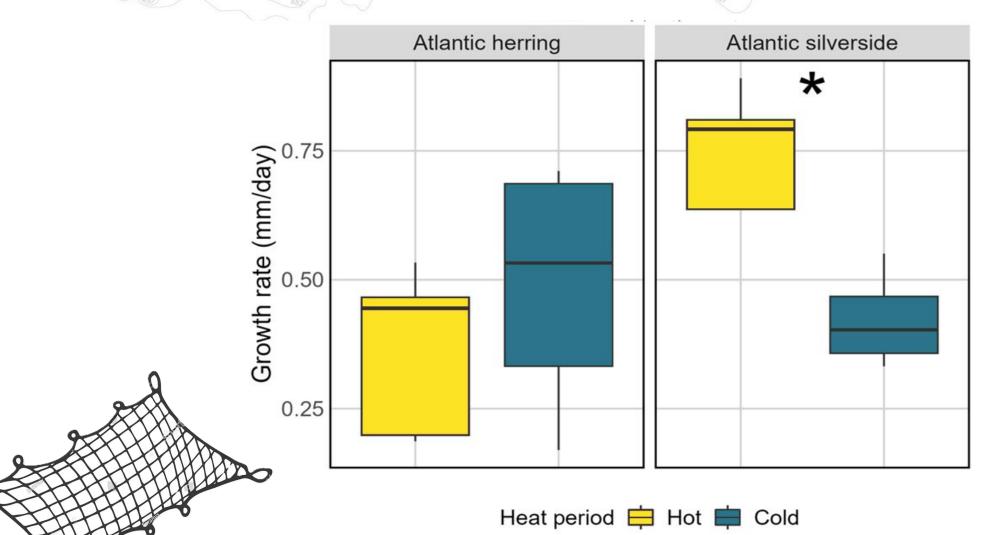


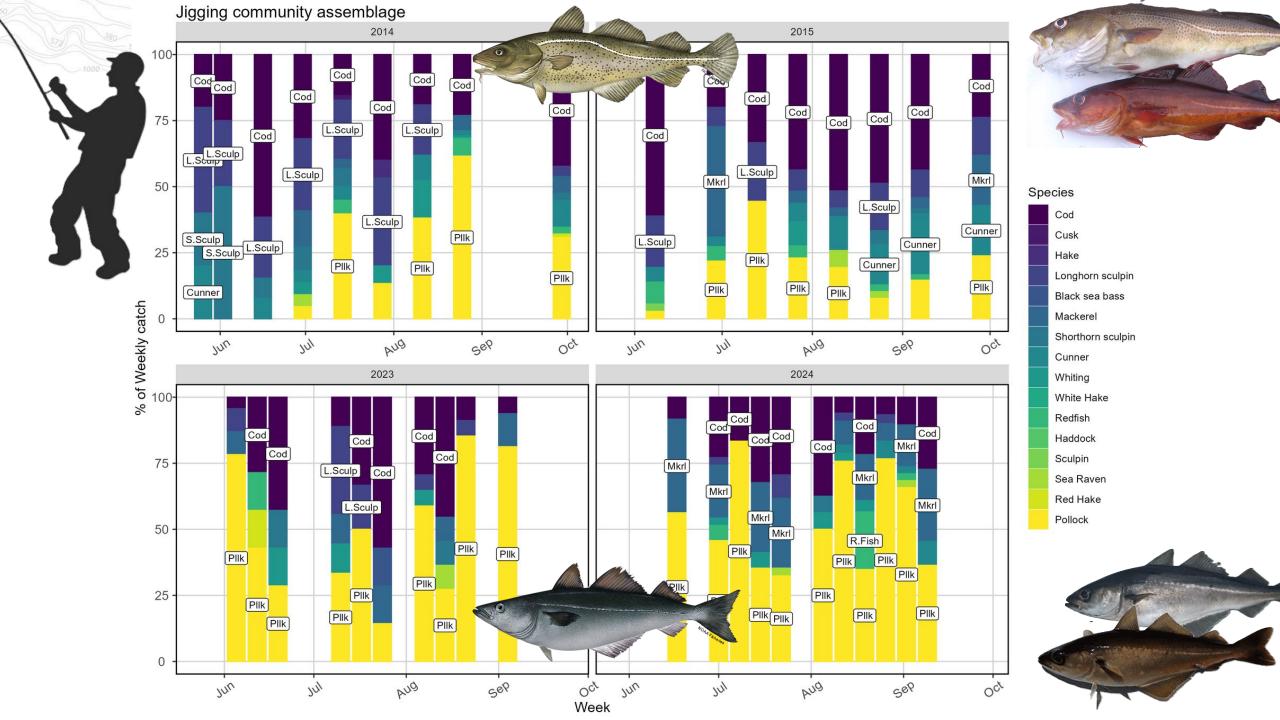












Future Plans



We plan to continue monitoring for as long as possible; we now have 11 years of data and are just beginning to scratch the surface of understanding what's changing in Casco Bay.

Long-term monitoring is crucial for understanding ecosystem change in the face of warming.

CBASS is also providing excellent opportunities to engage the public in our work as well as undergraduate students (REU).

CBASS is an important platform for leveraging additional research (e.g., eDNA).

