



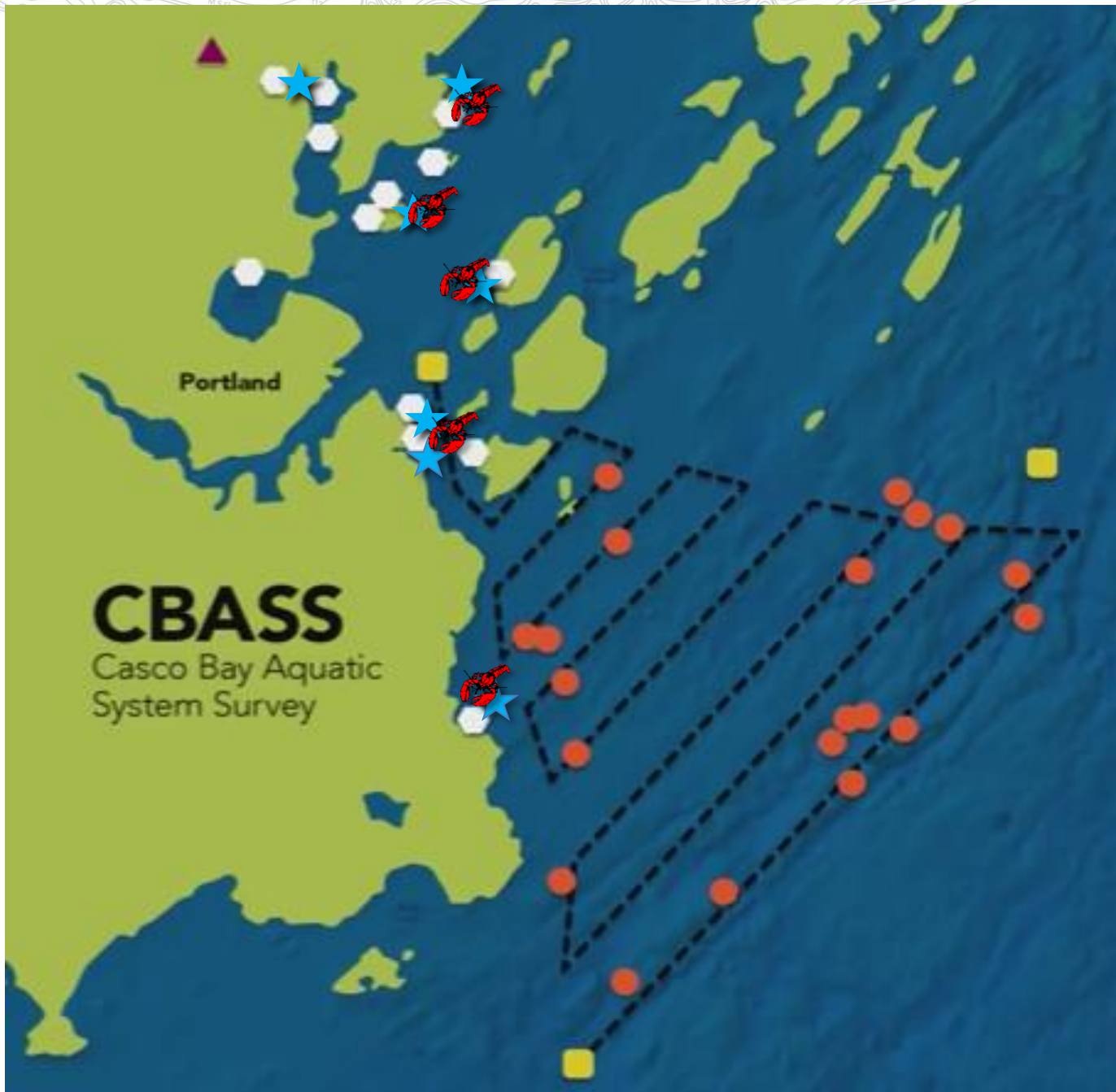
Casco Bay Aquatic System Survey (CBASS)

Graham Sherwood, Gulf of Maine Research Institute
Portland, Maine



**Gulf of Maine
Research Institute**

Science. Education. Community.

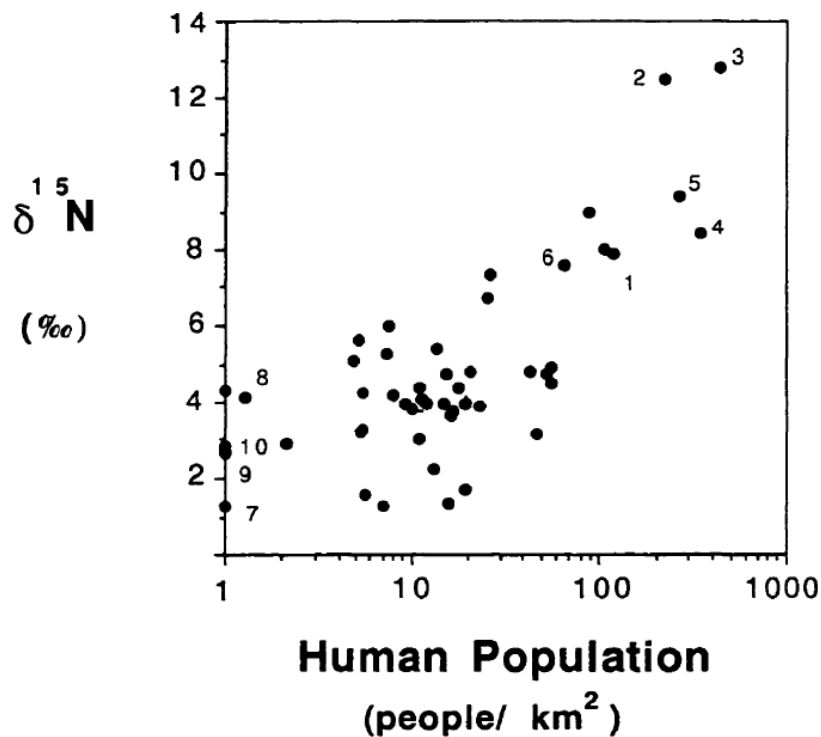


New for CBASS

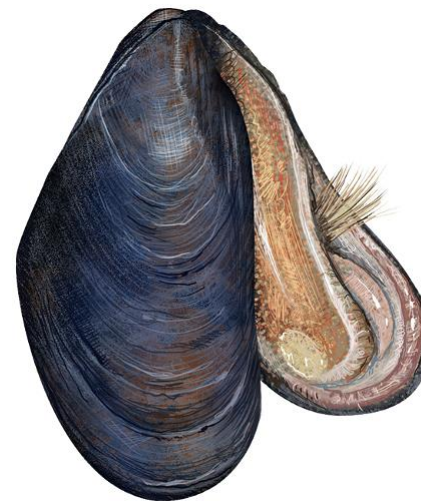
1. **GMRI REU Site (NSF):** *'Integrated Studies in a Rapidly Warming Fishery Ecosystem'*
6 Students – perhaps 2-3 with CBASS-specific projects
2. Maine **EPSCoR proposal:** RII Track-I: Molecule to Ecosystem: Environmental DNA as a Nexus of Coastal Ecosystem Sustainability for Maine (**Maine eDNA**)
5 year funding stream to help with CBASS sampling – to groundtruth eDNA signals (e.g., how do seine results compare with eDNA)
3. We finally got funding for a **float** in front of GMRI! (NSF – Improvements to Biological Field Stations and Marine Laboratories) – access to water

Update on mussel sampling

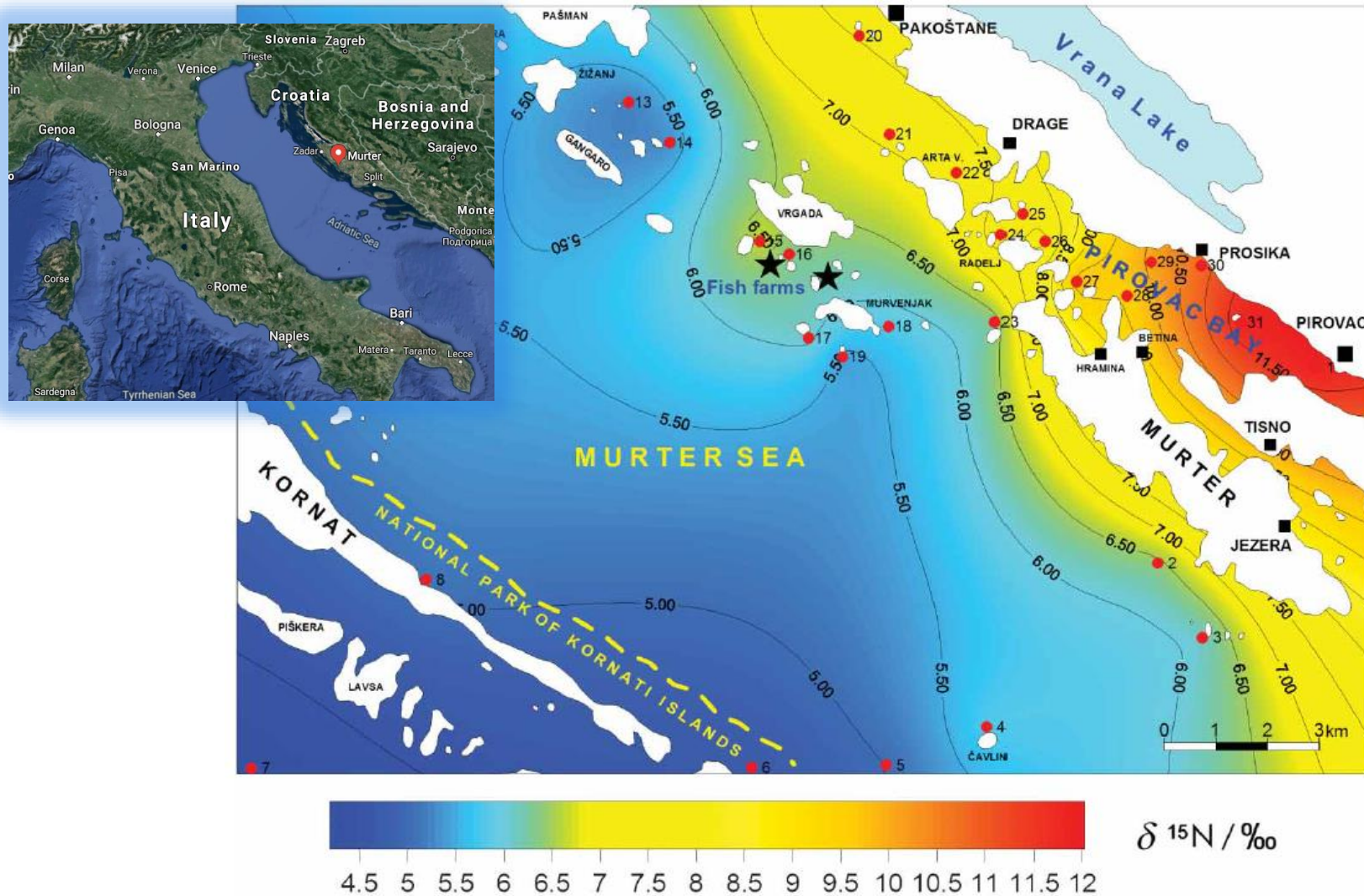
Idea: Use mussels (sessile, primary consumer) to track spatial variation in human nitrogen inputs into Casco Bay

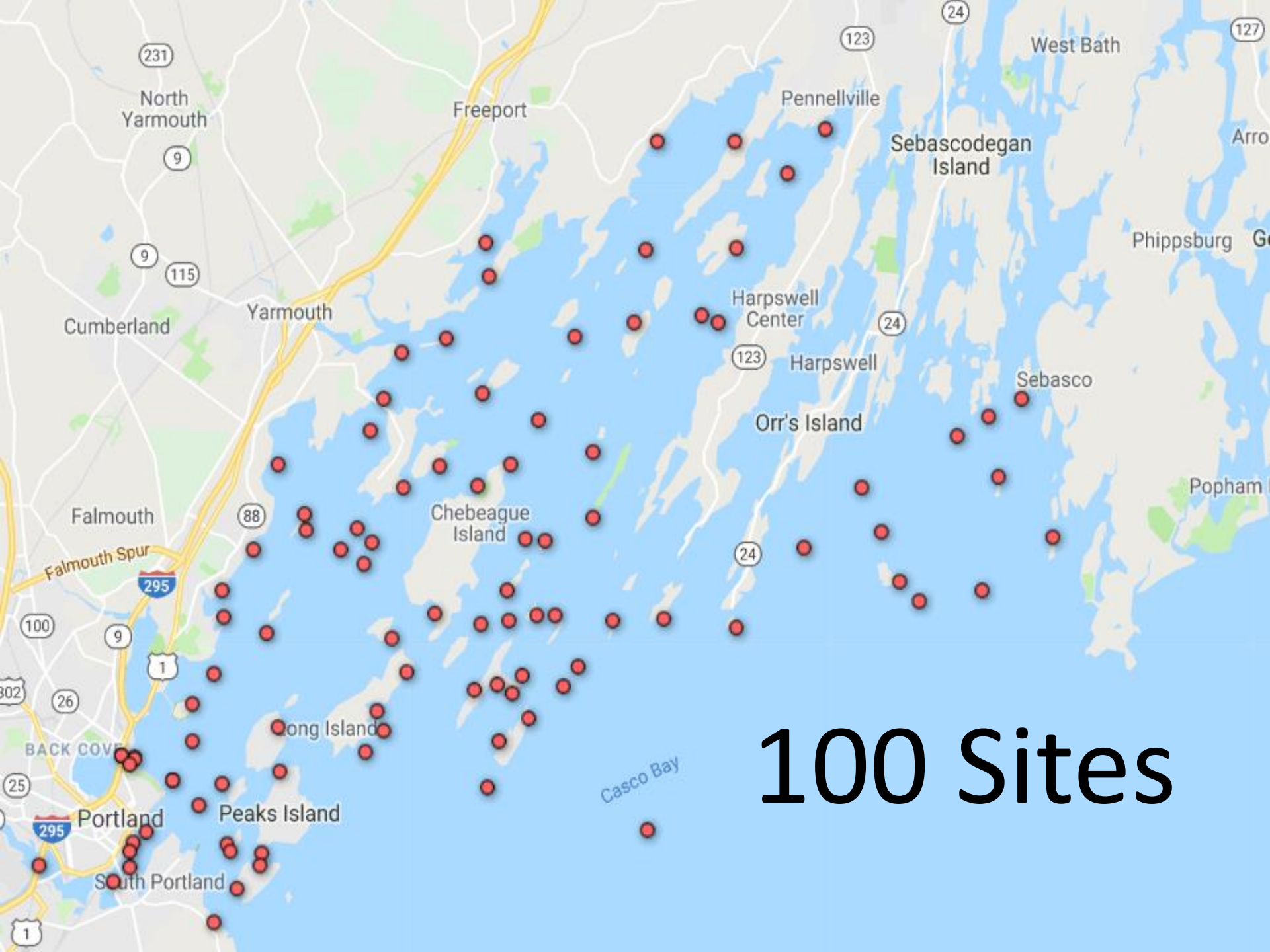


Cabana & Rasmussen PNAS 1996



Sea anenomes in the Murter Sea (Dolenec et al. 2005)





100 Sites

