

2023 GMRI Research Experience for Undergraduates (REU) Annual Research Symposium

Tuesday August 1st, 1:00 – 4:00

The GMRI REU Site, funded by the National Science Foundation, focuses on *'integrated studies in a rapidly warming fishery ecosystem'*. The REU class of 2023 has worked hard all summer on a range of topics related to GMRI's ongoing work in ensuring sustainable fisheries, resilient coastal communities and an engaged and informed public. At this year's annual symposium, you will hear about projects that • examine how seafood offerings at local restaurants may reflect availability and sustainability messaging • look at how sea-level rise will affect coastal infrastructure (with a particular emphasis on our own Union Wharf) • delve into educator perspectives on learner engagement in STEM-based activities • quantify the effect of climate change on groundfish prices • investigate the impact of fishery closures on the management of Atlantic cod • assess the value of high-relief (structured) habitats for coastal fish • and evaluate the effectiveness of a bycatch reduction device (BRD) for avoiding shark bycatch. We hope you can join us to hear more about this new and exciting research!

- 1:00 – 1:05 **Graham Sherwood**, GMRI Research Scientist and REU program lead: Intro and opening comments.
- 1:05 – 1:20 **Anna Yankee**, Hamilton College: *Off the coast, on the plate?: comparing fishery data with seafood offerings and sustainability messaging at restaurants in Portland, ME and Cape Cod, MA.*
- 1:20 – 1:35 **Chelsea Moody**, Bowdoin College: *There will be flood: flooding and sea level rise adaptation strategies for Union Wharf.*
- 1:35 – 1:50 **Mackensie Shears**, Ball State University: *STEMulating minds: educator perspectives on learner engagement during inquiry-based STEM activities.*
- 1:50 – 2:05 **Sam Turner**, Hood College: *Fishy business: reeling in and quantifying the impact of climate change on northeast groundfish quota prices.*
- 2:05 – 2:20 Break
- 2:20 – 2:35 **Madison Evasius**, Bowdoin College: *Quantifying the effects of seasonal closures and quota management on the productivity of spring and winter-spawning Atlantic cod (*Gadus morhua*) in the Western Gulf of Maine.*
- 2:35 – 2:50 **Elle Harris**, University of New England: *Relief in high relief: video assessment of structured habitat value for fish in Casco Bay.*
- 3:15 – 3:35 **Dylan Segnari**, Virginia Polytechnic Institute and State University: *Evaluating BRDs as a method to reduce shark bycatch in North Atlantic fisheries.*
- 3:35 – 3:40 **Graham Sherwood**: Closing remarks.

****Thank you for attending! And thank you to all who helped make our program a success!****