**Gabrielle Hillyer**

3 Main St, Apt. 3, Orono, ME 04473 Phone: 702-622-5683 Email: gabrielle.hillyer@gmail.com

**Professional Appointments**

2019 - Now Project Coordinator: Maine Shellfish Learning Network, Orono, ME

2022 - Now Research Assistant: Margaret Chase Smith Policy Center, Orono, ME

2021 - Now Technical Advisor: St. George Shellfish Committee, Thomaston, ME

2020-2022 Research Assistant: National Research Traineeship at UMaine, Orono, ME

2017-2021 Technical Advisor: Medomak Taskforce, Waldoboro, ME

2014-2016 Undergraduate Research Coordinator: Fulweiler Lab, Boston, MA

2013-2014 Telefund Operator: Environment America, Boston, MA

**Education**

Ph.D. in Ecology and Environmental Sciences, University of Maine Orono

*Projected Completion Date: August 2023*

M.S. in Oceanography, University of Maine Orono, Completion Date, Summer 2019

M.S. in Marine Policy, University of Maine Orono, Completion Date: Summer 2019

B.A. in Marine Science, minor in Earth Studies and Biology, Completion Date: January 2016

**Publications**

* Hart D., B., McGreavy, A., Sutton, **G., Hillyer**, D., Ranco. (2022) Collaboration on the Mudflats *Issues in Science and Technology* [Collaboration on the Mudflats (issues.org)](https://issues.org/collaboration-on-the-mudflats/)
* **Hillyer, G**., W., Liu, B., McGreavy, G., Melvin, D. Brady. (2022) Using a stakeholder-engaged approach to understand and address bacterial transport on soft-shell clam flats. *Estuaries and Coasts.*
* McGreavy, Bridie., S. Randall, T. Quiring, C. Hathaway, **G. Hillyer**. (2018) “Enhancing adaptive capacities in coastal communities through engaged communication research: Insights from a statewide study of shellfish co-management.” *Ocean & Coastal Management Vol 163*

https://www.sciencedirect.com/science/article/pii/S0964569117306968

**Grant Awards**

2022 ($62, 059) Anonymous, Invited Proposal Amplifying an Anti – oppressive Learning

Network Approach to Strengthen Capacities for Listening, Learning and Critical Attention to Justice and Power in Coastal Governance, Role: Co-PI

2022 ($595) University of Maine Graduate Student Government for Professional

Development, Role: Sole Author

2022 ($62,700) Anonymous, Invited proposal for continued funding to Strengthen

Co-Management in Maine’s Shellfish Fisheries, Role: Co-PI

2021 ($54,120) Anonymous, Invited Proposal for Strengthening Co-Management in

Maine’s Shellfish Fisheries, Role: Co- PI

**Honors and Awards**

* Outstanding Graduate Student Service Award from the College of Natural Sciences, Forestry, and Agriculture – Spring 2023
* Awards of Excellence for Outstanding Contribution to Sustainability Research by a Graduate Student from the George J. Mitchell Center for Sustainability Solutions, Spring 2023
* Brookie Award for Young Environmental Leadership - Spring 2020
* Outstanding Progress on the “Road to Solutions” by an Interdisciplinary Research Team - Mitchell Center - Spring 2019
* Diana Davis Spencer Fellowship for Sustainable Maine – University of Maine – Spring 2017
* Research Reinvestment Fund – University of Maine – Fall 2016
* Lara Vincent Prize for Original Research – Boston University – Fall 2015
* Undergraduate Research Opportunity Grant – Boston University – Spring 2015

**Leadership Roles**

2022 - 2023 Member of the School of Forest Resources Diversity Equity and

Inclusion Graduate Student Committee

2022 - 2023 Editor for The Maine Journal of Conservation and Sustainability

2021 - 2023 Member of the Maine Shellfish Co-Management Initiative

2021 Facilitator at Fisherman’s Forum, Shellfish Focus Day

2019 - 2022 Scientific Advisor for Maine Restoration and Resilience Fund Project

**Presentations**

Soucy, A., Horne, L., et al., **Hillyer, G** (Accepted, June, 2023) Emerging scholars as boundary spanners: Challenges, benefits, and lessons learned. International Association on Society and Natural Resources. June 15-23, Portland, Maine. (Presentation)

**Hillyer, G**., Lauer, B.\* (Accepted, 2023, June). Supporting adaptive and anticolonial fisheries through engagement: The Maine Shellfish Learning Network. International Association on Society and Natural Resources. June 15-23, Portland, Maine. (Presentation)

**Hillyer, G.**, Moody, K., Lauer, B., Sutton, A., McGreavy, B. (2023, March). Developing a community engaged website: A case study of The Mudflat by the Maine Shellfish Learning Network. Maine Sustainability & Water Conference. March 30, Augusta, Maine. (Poster)

**Hillyer, G.,** Hart, D., McGreavy, B., Sutton, A., Ranco, D. (2023, January). Collaboration on the Mudflats. Invited Presentation at ILAS-HUFS UN Harmony with Nature Programme, Santiago, Chile (Remote)

McGreavy, B., Sutton, T., **Hillyer, G.** (2022, November). Tidal ethics: Knowledge, relations, and writing. Panel presentation at the Rhetoric Society of America, Baltimore, MD.

**Hillyer, G.**, Moody, K., Lauer, B., Sutton, A., McGreavy, M., (2022, April). Developing A Community Engaged Website: A Case Study of the Mudflat by the Maine Shellfish Learning Network (MSLN) Poster presentation at University of Maine Networking for Sustainability Solutions, Orono, ME.

**Hillyer, G.**, Ross, L., Alahmed, S., Taylor, D. (2022, April). Stakeholder-Engaged Oceanographic Modeling to Support Local Decision Making: A Case Study in the Georges River Estuary. Poster presentation at University of Maine Networking for Sustainability Solutions, Orono, ME.

**Hillyer, G**., Sutton, T., McGreavy, B. (2021, April 1) Strengthening learning, leadership and equity in Maine and Wabanaki wild shellfisheries: Insights from the Maine Shellfish Learning Network. Poster presentation to the Maine Sustainability and Water Conference (Virtual).

McGreavy, B., **Hillyer, G**., Perry, A., Curie, V., Sutton, T. (2020, March 5). Maine Shellfish Learning Network. Poster presentation to the Shellfish Focus Day at the Maine Fishermen’s Forum, Rockport, ME

McGreavy, B., **Hillyer G**. (2020, March 5). Introducing the Maine Shellfish Learning Network. Presentation to the Shellfish Focus Day at the Maine Fishermen’s Forum, Rockport, ME.

**Hillyer, G**., Brady, D., McGreavy, B., Beal, B., & Melvin, G. (2017, Nov 6). Participatory modeling of tidal circulation on a Maine mudflat. Poster presentation to the Coastal and Estuarine Research Federation, Providence, RI.

**Invited Lectures**

McGreavy, B., **Hillyer, G**., Sutton, T. (2021, April 12). Strengthening learning, leadership and equity in Maine and Wabanaki wild shellfisheries: Insights from the Maine Shellfish Learning Network. Invited lecture to the Mitchell Center for Sustainability Solutions, Orono, ME, virtual presentation.

**Workshops**

McGreavy, B., **Hillyer, G**. (2019, April 17). Writing your way to collaboration: Science writing strategies to make your work matter more. Invited workshop to the Sustainable Ecological Aquaculture Network, University of Maine, Orono, ME.

McGreavy, B., **Hillyer, G**. (2019, Feb. 27). The golden tool of grant writing: How logic models help shape proposals and strengthen collaborations. Invited workshop to the Sustainable Ecological Aquaculture Network, University of Maine, Orono, ME.

McGreavy, B., **Hillyer, G**. (2018, Nov. 15). Making your science sticky: Presentation strategies to communicate science with diverse audiences. Invited workshop to the Sustainable Ecological Aquaculture Network, University of Maine, Orono, ME.

**Technical Skills**

Computer Programming Skills

* Microsoft Suite - Excel, Word, Powerpoint
* MATLAB - Computer Programming Language
* WordPress - Website Development

Qualitative Methods Training

* NVivo - Artifact and Interview Analysis
* Interviews - conducting semi-structured interviews

Laboratory Methods Training

* Deployment of Lagrangian Oceanographic Drift Buckets
* Gas Chromatograph running gas and water samples for a period of 5 months
* LiCor ® in the field
* Hach probes for pH, salinity, phosphates, iron, dissolved oxygen
* Sediment processing in terms of density, weighing, sediment Silica digestions
* Acid Washing of glass and plastic ware
* TSS Processing

Field Methods Training

* Free-Diving License
* Scuba Diving License
* Tropical fish and invertebrate abundance and richness visual surveys: benthic transect and quadrat sampling methods (30m transects, 0.25m2 quadrats)
* Primary space holder percent cover estimation: tropical coral, algal, sponge, seagrass and mangrove root communities (0.25m2 and 0.06m2 quadrats, CoralPoint Count Software: CPCe4.1)
* Benthic nearest neighbor estimation: transect tape and surface buoy marker methods
* Coral volume estimation (2m soft tape)
* Coral Health Estimation: Coral Watch Color Health Chart (The University of Queensland)

Facilitation Skills

* Have run stakeholder meetings 50+
* Small group focused project meetings, using round-robin, storytelling, voting, and other tools
* Determine and employ active listening agreements across diverse actors