

**Sarah C. Risley**

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60 Main St, Wiscasset, ME 04578

EDUCATION

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University of Maine Orono, ME  
**M.S. Marine Biology and Marine Policy** 2019-Present  
GPA 4.0

Skidmore College Saratoga Springs, NY  
**B.A. Environmental Studies, Minor Creative Writing** 2009-2013  
Summa Cum Laude, Dean's List, Phi Beta Kappa, GPA 3.9

International Honors Program SIT: Beyond Globalization 2011-2012  
**Ecology, Sociology & Anthropology in Turkey, Tanzania, India, New Zealand, Mexico**

FELLOWSHIPS & AWARDS

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2021-2022 Mitchell Center for Sustainability Solutions Sustainability Grant  
2020-present Darling Marine Center Education & Community Engagement Fellowship  
2019-present University Graduate Fellowship  
2019-2020 Diana Davis Spencer Scholar, Partnerships for a Sustainable Maine Project

PUBLICATIONS

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Britsch, M., **S. Risley**, J. Stoll, H. Leslie. (2021). 2021 State of the Damariscotta River Estuary Report: Local knowledge of trends in the shellfish resource and human activity in the Damariscotta River Estuary. Technical report prepared for the Town of Damariscotta, ME. November, 2021.

Britsch, M., **S. Risley**, J. Stoll, H. Leslie. (2021). 2021 State of the Medomak River Estuary Report: Local knowledge of trends in the shellfish resource and human activity in the Medomak River Estuary. Technical report prepared for the Town of Bremen, ME. November, 2021.

Stoll, J., H. Albano, A. Clement, S. Coleman, M. Flye, J. Isherwood, R. Jarrett, C. Leeman, K. Liberman, C. Ober, N. Orminski, **S. Risley**. (2020). 2020. Canada-US Lobster Town Meeting: Lobsters without borders: forging our futures together. Proceedings Report. Lobster Institute. University of Maine, Orono. pg. 1- 17.

## PRESENTATIONS

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- 2021 **Risley, S.**, Britsch, M., Swett, S., Stoll, J., Leslie, H. 2021, Integrating Local and Environmental Science Knowledge to Understand Complex Relationships in Two Maine Estuaries: Maine Sustainability & Water Conference 2021. *Received 2nd Place Honorable Mention Award.*
- 2021 **Risley, S.** 2021, Integrating Data in Complex Systems: How can integrated local knowledge data and environmental data help us understand complex coastal ecosystems?: University of Maine School of Marine Science Symposium.
- 2020 **Risley, S.**, Pellowe, K., and Leslie, H. 2020, Current and historic trends in shellfish resources of the upper Damariscotta River estuary: 46th Maine Fishermen's Forum, Rockport, ME. March 5, 2020.
- 2019 **Risley, S.**, Fields, D., and Niemisto, M. 2019, Feeding rates of *H. Americanus* at three developmental stages as a framework for linking food source abundance and lobster young-of-year recruitment declines: ASLO Ocean Sciences Meeting, San Juan, Puerto Rico. February 24-March 1, 2019.

## EDUCATION & OUTREACH

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- 2021 'State of the Estuary Report', Damariscotta Board of Selectmen, and Bremen Shellfish Committee Meetings
- 2021 'Community Science & Stewardship in Maine Estuaries', University of Maine Darling Marine Center Shoreline Science Talks
- 2021 'Changing Rivers: Mapping Local Knowledge in Maine's Estuaries', Maine Midcoast Stewards and The Nature Conservancy
- 2021 'What's changing on the mudflats?: Collecting knowledge and data about changing clam flats', Maine Fishermen's Forum Shellfish Focus Day
- 2021 'Mapping Our Way Through Science', Expanding Your Horizons Conference
- 2020 'Changing Rivers: A local knowledge mapping study of the Damariscotta River' Damariscotta Board of Selectmen's Meeting
- 2020 'From Clams to Communities: Shellfisheries in Midcoast Maine' 4-H Virtual Teen Science Cafe

## MENTORING

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- 2021 Academic Advisor: Dartmouth University Domestic Study Program
- 2021 Summer Research Advisor to undergraduate Carolina Rolfe (University of Denver) and baccalaureate Amelia Papi (WPI)
- 2020-2021 Co-Advisor to UMaine School of Marine Science capstone student Sara Swett
- 2020 Summer Research Advisor to undergraduate Madeline Williams (UMaine)
- 2019 Summer Research Advisor to undergraduate Faye Smith (UMaine)

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## TEACHING EXPERIENCE

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<b>Greater Philadelphia Coalition Against Hunger</b> Food Literacy & Access VISTA	Philadelphia, PA <i>June 2016-June 2017</i>
<b>Center for Refugees &amp; Immigrants of Tennessee</b> Assistant Director of Agriculture	Nashville, TN <i>October 2014-January 2016</i>
<b>Head Middle Magnet School</b> 7 <sup>th</sup> Grade Math Teacher	Nashville, TN <i>August 2013-June 2014</i>
<b>Skidmore College</b> Peer Tutor	Saratoga Springs, NY <i>September 2010-June 2013</i>

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## EXPERIENCE

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<b>University of Maine</b> Graduate Research Assistant	Orono, ME <i>January 2019-Present</i>
<b>IDEXX Laboratories</b> Lab Assistant	Westbrook, ME <i>November 2018-January 2019</i>
<b>Bigelow Laboratory of Ocean Sciences</b> Lab Research Intern	Boothbay, ME <i>June 2018-October 2018</i>
<b>Skidmore College</b> Student Assistant	Saratoga Springs, NY <i>September 2010-June 2013</i>
<b>International Honors Program SIT</b> Student Researcher	Multi-Country <i>August 2011-June 2012</i>

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## PROFESSIONAL SERVICE

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2020-present	Member, School of Marine Science (SMS) Student Committee
2019-present	Member, 500 Women Scientists, WiSTEMM
2019	Member, School of Marine Science (SMS) Professional Development Club
2020	Member, Maine Fishermen's Forum Shellfish Focus Day Committee

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## SKILLS & TRAINING

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**Field & Laboratory:** Social science interview & survey methods, participatory mapping methods, spatial analysis, shellfish population surveys, marine larval recruitment studies, zooplankton and phytoplankton sampling, aquatic indicator surveys, secchi disk, Hanna field meter, photometer, marine animal care, pH/salinity meters, spectrophotometers, light microscopy, microscope camera, video-analysis, wet-dry weights, microelectrode OCR analysis

**Open Water Diver Certification, SSI (2021)**

**The Art and Science of Virtual Facilitation course**, University of New Hampshire, 2020.

**Service Learning/ Community-Based Learning workshop**, University of Maine, virtual, 2020.

**Computer:** Microsoft Office, Adobe Programs, ArcGIS, R Programming

**Language:** Conversational Spanish