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Maine's Sustainability Science Initiative

Michael Eckardt

Principal Investigator; University of Maine, Orono, michael.eckardt@umit.maine.edu

Vicki Nemeth

Co-Principal Investigator; University of Maine, Orono

David Hart

Co-Principal Investigator; University of Maine, Orono, david.hart@maine.edu

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Accomplishments

* What are the major goals of the project?

During YR5, Maine EPSCoR's Sustainability Solutions Initiative (SSI) continued to work towards its overarching goal of developing Maine's capacity to conduct world-class, solutions-driven research in sustainability science that is distinguished by its innovative approach to interdisciplinary collaboration and deep commitment to stakeholder

engagement. The overall vision is that this would lead to the creation of the Center for Sustainability Solutions at the University of Maine, which will be recognized as a national international center of excellence in sustainability science. This vision is now being implemented as SSI transitions to become the Senator George J. Mitchell Center for Sustainability Solutions.

SSI's overall research goals focus on: 1) the examination of the coupled dynamics of social-ecological systems (SES); 2) an understanding of connections between SES knowledge and stakeholder actions (K-A); and 3) the improvement of university-stakeholder partnerships through Organizational Innovation (OI) research. Other major goals address diversity, workforce development, cyberinfrastructure, external engagement, evaluation and assessment, sustainability, and management for this integrated statewide infrastructure project. During YR5, progress continues to be made in furthering a strong research and education infrastructure for Maine in the area of sustainability science, which has positioned the project to have a major impact in the state.

SSI's major research focus on landscape dynamics reflects a broad consensus that land change science is a critical research frontier as well as a pressing challenge for sustainable development. SSI not only seeks to understand the causes and consequences of landscape change, but also to facilitate efforts that chart a more sustainable path for economic and community development in and beyond Maine. Using Maine as a sustainability science laboratory, SSI continued its approach to landscape change research with two novel components: 1) a focus on interactions among three pressing drivers of landscape change (i.e. urbanization, forest ecosystem management, and climate/energy concerns), rather than examining each in isolation; and 2) our research is strongly shaped by the information needs of individuals and institutions that transform and use scientific information. This integrative strategy facilitates the development of decision support tools that can be used to improve the decision-making processes of individuals and institutions that vary in function, geography, and authority.

The RII project's goals are all focused to grow Maine's research and development capacity and competitiveness in sustainability science:

Goal 1 – Overall SSI Research: Create a world-class, solutions-driven sustainability science research center recognized for its innovative approaches to interdisciplinary research and deep commitment to collaboration with diverse stakeholders.

Goal 2 – Social-Ecological Systems: Investigate the dynamics of social-ecological systems, with particular emphasis on SES resilience.

Goal 3 – Knowledge to Action: Examine connections between scientific knowledge regarding SES dynamics and stakeholder actions that potentially affect SES resilience.

Goal 4 – Organizational Innovation: Test models from organizational science to understand and improve interdisciplinary collaboration and university – stakeholder partnerships.

Goal 5 – Diversity: Engage all aspects of the state's human and institutional resources in the achievement of the RII project goals and objectives.

Goal 6 – SSI Workforce Development: Fostered the next generation of sustainability science professionals through K-20 programs that are linked to the diverse challenges and opportunities in the emerging field. Students at all levels were engaged in sustainable science and hands-on experiences that increased their awareness and understanding of sustainable science and career pathways.

Goal 7 – General Workforce Development: Prepare Maine's current and future STEM workforce through coordinated programs and opportunities, training, and knowledge dissemination. ME EPSCoR implemented STEM programs and opportunities that directly engaged students and teachers at all levels. Promoted educator professional and leadership development in STEM, and fostered interdisciplinary STEM activities. In addition to all of this ME EPSCoR staff took a leadership role in building, integrating, and implementing best practices in STEM across the state.

Goal 8 - Cyberinfrastructure: Utilize cyberinfrastructure to improve communication, collaboration, and visualization capabilities that enable innovation and competitiveness in the sustainability science focus area.

Goal 9 – External Engagement: Create and maintain an effective outreach & communication network through strategies that encompass all participants, stakeholders, and the general public.

Goal 10 – Evaluation & Assessment: Utilize multiple formative and summative evaluation processes to improve the project's effectiveness and assess its impact in relation to its goals.

Goal 11 – Sustainability Beyond the RII: Sustain the SSI infrastructure, impacts, and achievements through the continued integration of scientific entrepreneurship, institutional and external support, partnerships, education, workforce development, and constituency outreach.

Goal 12 – Overall RII Project Management: Implement an effective management plan that will support and ensure the overall success of the Maine EPSCoR RII project.

Goal 13 – SSI Research Project Management: Broad coordination of management and decision-making results in a shared vision for SSI research and integrated education, effective interdisciplinary outcomes, and participatory project management.

The Maine EPSCoR SSI Strategic Plan details the objectives, strategic actions, milestones, and metrics for each of these goals. Information on all of the above for YR5 can be found in the attached project benchmarks table, and in the attached progress detail tables for each goal.

*** What was accomplished under these goals (you must provide information for at least one of the 4 categories below)?**

Major Activities: The major activities accomplished during the YR5 no-cost extension are briefly summarized below, with the detail for each goal provided in the attached goal detail tables and benchmarks table.

Goals 1-4: SSI Research

During YR5ext, SSI faculty from the University of Maine, the University of Southern Maine, and nine other primarily undergraduate institutions throughout the state continued to participate in SSI research and integrated education activities in sustainability science. The focus remained on the development of multi-scale complex systems models of urban, semi-urban, and rural regions using the concept of landscape change as an important nexus for sustainability science research. This work puts the collaborative institutions on a sustainable pathway to guide economic and community development. This occurs in the context derived from understanding the causes and consequences of landscape change.

The portfolio of research projects comprise a place-based, multi-scale investigation of SES and K-A processes, patterns, and interactions. This design probes the different processes shaping SES and K-A. The unique self-referential integrative strategy increases the potential for drawing inferences about the role of contextual factors and scale on system behavior. This model has been applied to newly initiated research to explore emerging opportunities in SSI.

Projects goals were achieved through the development of models; increased capacity in interdisciplinary research; and increased stakeholder participation in problem definition and planning as a means to build support and trust across multiple institutions. The work outputs were framed by the challenges of landscape change within the arenas of urbanization, forest-ecosystem management, and climate/energy futures. SSI researchers have studied how active stakeholder engagement and dialogue can be used to identify and rank problems, define research questions, and utilize knowledge systems. Models have been developed to simulate certain biophysical relationships, human responses to different types of information, and to predict system-level changes under different decision-making

constraints. New projects have addressed emerging opportunities.

The SSI portfolio accomplishments are based on metrics for interdisciplinary research, scholarly productivity, increased number of best practices, student education in STEM, cross-institutional collaboration, increased effectiveness in stakeholder engagement, and contributions to decision-making. In this summary, portions of the portfolio are identified by project identification numbers (see attached Goals 1-4 table) to show the connections that weave across all of the component parts of SSI. During YR5ext, 98 SSI faculty collaborated across 28 academic disciplines to study core challenges of sustainability science. Outputs included 99 publications. In total, 52 graduate and 171 undergraduate students have been directly involved in SSI related research and classes. Team interactions that directly focus on research include 9 seminars, 1 lecture and 15 thesis/dissertation presentations.

SSI has maintained a scholarly focus on the connections between scientific knowledge about SES and societal actions regarding landscape change. Capacity development occurred with effective collaboration between researchers and diverse stakeholders. Research teams included 11 colleges and universities who collaborated with individuals from 3 institutions of higher learning, 4 private sector organizations, 5 governmental agencies, 6 non-profit organizations, and 1 K-12 school, including Maine's tribal Indian Nations.

SSI leadership helped researchers to develop manuscripts for top science journals including Proceedings of the National Academy of Sciences, Science, and Ecology & Society.

Improving the connection between knowledge and action (K-A) is a core principle of SSI's portfolio. This process is integral to the entire portfolio. Observational and experimental research and integrative models have been used in surveys, public presentations and formal presentations of testimony.

Goal 5 – Diversity: Continued to increase diversity in directly supported personnel, and indirectly supported outreach participants by expanding involvement of women and underrepresented groups, while simultaneously working to expand the involvement of primarily undergraduate institutions and community colleges, and increasing the number and breadth of collaborating stakeholders. In YR5ext, of the total number of individuals directly supported by this project 52% were female and 6% were from underrepresented groups. Of indirectly supported participants, 51% were female and 8% were from underrepresented groups. Diversity partnerships and programs included the Native Scholar Program, Maine Girls Collaborative Project, Expanding Your Horizons, Camp Capella, UMaine's Center for Community Inclusion and Disabilities Studies (CCIDS), and Upward Bound. During YR5, in addition to research collaborators reported above, Maine EPSCoR's collaborations included non-SSI statewide institutions of higher learning (1) and other NGOs (8).

Goal 6 – SSI Workforce Development: Activities directly supported, trained, and mentored 479 individuals including 98 faculty, 6 postdocs, 53 graduate students, 171 undergraduate students, 29 high school students, and 123 professional/technical/administrative staff and board members. Faculty and students were supported in professional and educational development activities.

Goal 7 - General Workforce Development: collaborated to implement and support related STEM opportunities in YR5ext that engaged 3,419 K-20 students

and teachers and others, including direct participation in research, mentorship programs, after-school activities, camps, and events. Faculty and teachers were supported in professional development activities.

Goal 8 – Cyberinfrastructure: Emphasis was placed on individual training and assistance to familiarize, demonstrate, and facilitate use of visualization wall and cloud cluster capacity for data management, including storage and analysis. The two data integration specialists hired in YR4 conducted training and provided assistance.

Goal 9 – External Engagement: Engaged the stakeholder network throughout the research process and through external communications; disseminated information to scientific community (99 publications/products); hosted seminars, workshops, and conferences; continued information transfer to the general public through newsletters, websites, videos and social media.

Goal 10 – Evaluation: external evaluators: YR5 external evaluation; AAAS assessment May 2013; SSI Advisory Board meeting Sept. 2013; NSF EPSCoR RSV Sept. 2012; on-going internal management evaluation.

Goal 11 – Sustainability: Continued support of human resource infrastructure, support/assistance for external funding proposals and publication development, opportunities for seed funding and travel scholarships, and other supportive activities.

Goal 12 – Overall Project Management: On-going management structure ensures project integrity and success.

Goal 13 – SSI Research Project Management: Research leadership has transitioned to one led by the Mitchell Center team members including many core faculty who participated in SSI. This process is in its initial stages and includes management plans to support research structure, seminars, systems, communications, and feedback loops that will ensure the integrity and success of the Mitchell Center.

Specific Objectives:

The SSI Strategic Plan details the objectives, strategic actions, milestones, and metrics for each of the RII goals. Detailed information on all goals for YR5ext can be found in the attached project benchmarks table and progress detail tables for each goal.

Goals 1-4 Objectives – SSI Research

SES research objectives focused on analyzing thresholds and feedback mechanisms that influence system dynamics, and on indicators that can be used to understand and predict the causes and consequences of landscape change. We have continued to search for key processes that shape system behavior in the landscape arenas of urbanization, forest management, and climate/energy futures. Methods contributed to the analysis of the likelihood of encountering and crossing important system thresholds across spatial and temporal scales, the role of scale dependence to understanding system dynamics. This SES research was designed to help identify which indicators provide the best measures of system behavior.

Work continued to: 1) Investigate the ecological dynamics of pool-breeding amphibians in urbanizing landscapes, with a focus on interactions between

economic, social, and ecological factors influencing conservation strategies on private lands; 2) Develop computer models to examine the interrelationships among socioeconomic and technological forces shaping Maine's urban areas; 3) Produce Sebago Lake hydrological and landscape models to examine interactions between population growth, land use change, and risks to lake water quality; 4) Create integrative land use suitability indices for the Lower Penobscot River Watershed and Casco Bay Region to test stakeholder understandings of and preferences for alternative futures scenarios; 5) Analyze non-stationarity of rainfall occurrence and intensity patterns to develop tailored decision support tools for stormwater management planning by municipalities; 6) Monitor for the expected arrival of the invasive emerald ash borer and work with tribal communities, federal and state agencies, and other key stakeholders on a coordinated emergency action plan; 7) Analyze the dynamic interactions of fisheries, fishing communities, and tidal energy power technologies to develop best-practices for tidal energy development; 8) Conduct social, economic, and ecological studies of fisheries restoration and the effects on public perception and local economies; 9) Integrate physical, chemical, and biological studies of the Belgrade Lakes with social science research on human values and sense of place to inform specific, place-based actions targeted at promoting sustainable land use practices; 10) Develop ecological and sociological indicators and monitoring methods that integrate and create feedback loops for ecosystem health, community values, and land-use policies and practices in the Saco River estuary; 11) Conduct ecological field experiments on the effects of disturbance in hemlock forest plots to simulate woolly adelgid infestation and model effects on both forest structure and public perceptions regarding mitigation strategies; 12) Assess the feasibility of grass biomass production through evaluation of the resource base, production economics, and stakeholder interest; 13) Develop solution-targeted research that promotes economic development (agriculture and hunting) while protecting ecosystem health and fostering community well-being using re-introduced species (turkeys) as a model system.

Research in Emerging Areas was supported to study: 1) *Bycatch* which represents an ecological, economic and social problem in fisheries management. Bridging epistemological divides between fishers, managers, and scientists for a more holistic understanding of the human dimensions of bycatch and the overall state of groundfish fisheries will have significant implications for future bycatch research and resource governance in the Maine lobster industry. 2) The *Wind Power* project involved a multi-faceted approach for addressing new techniques to visualize wind energy installations and how these visualizations could be used to gauge tourist/stakeholder perceptions of these installations. Work progressed on 2 separate tracks: i) development and implementation of virtual reality simulations of the proposed Monhegan Island wind installation; ii) conducting a survey of island tourists about their perceptions of the installation after viewing the simulations. 3) *Sustainable Forest* research assessed the application of sustainable harvest criteria across certification standards on public and private lands in the Unorganized Territory of Maine. Significant differences were found between standards, as well as on public vs. private lands. The forest sustainability certification process, however, accounts for a broad range of metrics — and initial quantitative results should not be considered in isolation of economic, social and ecological factors.

Research on connections between Knowledge and Action ($K \leftrightarrow A$) has progressed in YR5ext via the analysis of factors that affect interactions between scientific knowledge and stakeholder actions. This includes a rigorous assessment of

alternative methods for assessing stakeholder knowledge and opinions. Outcomes have influenced environmental education and New England Sustainability Consortium research.

SSI's Organizational Innovation (OI) research continues a longitudinal investigation of the individual and institutional factors that facilitate and hinder interdisciplinary, stakeholder-engaged solutions-focused research. This research has led to analytical and reflective publications about SSI. More publications will follow as data analysis continues.

During YR5ext, there was a continued focus on the stated Strategic Plan objectives for each of the other RII goals (see attached project benchmarks table and progress detail tables for each goal):

Goal 5 Diversity: Broaden overall participation through increased individual and institutional diversity. Specific programs reached Native Americans, girls, and persons with disabilities.

Goal 6 SSI Workforce: Increase participation and learning in sustainability science research through direct support, training, mentoring, and opportunities for researchers and students at all levels.

Goal 7 General Workforce: work with partners to directly engage K-20 students and teachers in STEM programs and opportunities related to the research focus, and promote STEM education statewide.

Goal 8 - Cyberinfrastructure: Communication and visualization tools were used to facilitate communications, including program reviews and participation for offsite teams. Data management policies and requirements continued to be implemented, accompanied by individual training and assistance from the two data integration specialists. Continued to implement the Advisory Board's suggestion that an effort be made to develop Decision Support Systems (DSS) to enable investigators and stakeholders to manipulate and visualize applicable data collected.

Goal 9 Ext Engagement: Increase knowledge and understanding of sustainability science using stakeholder networks, dissemination to scientific community, and growing scientific literacy for the general public & K-12 community.

Goal 10 Evaluation: Utilize external processes and internal management structure to provide multi-tiered evaluation & assessment.

Goal 11 Sustainability: Construct mechanisms for post-RII sustainability including meeting targeted outputs, building human resource infrastructure, developing external funding support, providing seed funding, and other supportive activities.

Goal 12 Overall Proj Mgt: Provide effective organizational and management structure to ensure project integrity and success.

Goal 13 SSI Res Proj Mgt: Build strong management structure that provides transition plan from SSI project to a successful research center.

Significant Results:

Goals 1-4 Research:

Significant SES research results for the portfolio are summarized in the attached tables. Examples are organized by landscape change arena, although many of SSI's place-based projects are focused on system dynamics influenced by interacting drivers of landscape change. In this final period progress has led to new publications in peer-reviewed journals, proposal submissions, and increased development and use of decision-support models. Substantial progress has also been made in integrating K-A and SES research.

Urbanization arena: Developed models of urbanization as both a cause and consequence of coupled system dynamics, and of interactions between the supply of knowledge regarding urban dynamics and the societal actions influencing land change. (1, 2, 3, 4, 5, 6, 11, 20, 21).

Vernal Pool Project (1) began NSF-CNH grant, *Of Pools and People*. Published major research paper in Proceedings of the National Academy of Sciences, *Negotiating the science policy boundary: lessons for managing small natural resources on private lands*.

Sustainable Urban Regions Project (2) worked with regional planners to use a functional Urban Sim model covering the Portland Metro and Bangor regions. Modeling focused on landscape sustainability issues arising from an aging population, the key factor in shaping Maine's urban regions over the next 3 decades.

Saco River Estuary Project (21) assessed the ecology of invasive plant species, fish populations, bird populations, water quality, and socioeconomic/stakeholder data. The team mapped changes in land-use cover to couple with sea-level rise models.

Forest Ecosystem Management arena: Continued progress in the analysis of forested landscapes as a coupled system (1, 4, 5, 6, 13, 22, 20, 25).

Alternative Futures Project (6) finalized land suitability maps for 4 focal land uses of development, agriculture, forestry and conservation. The team modeled 4 scenarios of trend. A major output was the development of the online Maine Futures Community Mapper. The project has been demonstrated across New England and is part of a new regional forestry initiative.

Sebago Lake Project (3) developed a distributed lake watershed model using MIKE-SHE, modeled winter weather-climate link in Maine and its impact on lake ice-out dates, and assessed the changes in land-use and the perception of stakeholders on changes. New data is driving discoveries in tributary function and regional water balance.

The Emerald Ash Borer Project (13) has resulted in a coordinated emergency response plan involving tribal communities as well as federal and state agencies. The project established an archive of traditional knowledge for gathering brown ash resources and developed an adaptation plan for a post-EAB world.

The Hemlock Woolly Adelgid Project (22) produced a model to map large-scale forest patterns. Undergraduate students completed theses on the relationship of logging, environmental variables and ant biodiversity and the impact of logging in hemlock forests on salamander diversity.

The Belgrade Lakes Watershed Project (20) evaluated the influence of development on shoreline habitat, developed biogeochemical models of nutrient

cycling, quantified the economic impact of the lakes on the Maine economy, and established the importance of the watershed in defining a community sense of place.

The Rangeley Lakes Project (25) continued development of web portal tools, including mobile device applications, a web-based public archive of research and activities, and a State of the Lakes report.

Climate Change/Energy arena: Significant advances in the development of integrated models of biophysical and socioeconomic processes related to climate variability and renewable energy, with a special emphasis on how such SES research can be used to support decision-making.

The coupling of climate models, precipitation trends, and extreme weather events into decision-making tools are being used to assess the vulnerability of transportation infrastructure to climate change to develop more resilient and coordinated planning processes (11). The Coastal Adaptation Project completed analyses of extreme precipitation and hurricanes, and tailored information for engineering design and infrastructure maintenance.

The Tidal Energy Team (18) integrated processes and perspectives involving energy developers, local communities, and government regulators in evaluating the potential for marine hydrokinetic energy development, including new studies during active power generation. The team hosted the 2nd International Marine Energy Symposium with Hirotsaki University and the North Japan Research Institute for Sustainable Energy.

K↔A: Analyzed individual behavior using psychological variables, communication theory, and economic variables as inputs to economic and psychological models of behavior. Research on institutional behavior has assessed factors that influence partnership formation and success within SSI.

Organizational Innovation: Continued longitudinal studies to measure major factors influencing interdisciplinary success. Results have been collated as best practices for interdisciplinary endeavors. In YR5ext, there has been a strong link between OI and K-A research regarding processes of collaboration between interdisciplinary research teams and diverse stakeholders.

Goal 5 Diversity: Native Americans engaged through EAB research and Native STEM Scholarship Development program for K-20 students (19 participants). Of directly supported individuals, 52% female, 9% underrepresented. Diversity programs & partnerships: NSF ADVANCE Rising Tide Ctr., Maine Girls Collaborative Proj., Expanding Your Horizons, the Native STEM Scholarship Development Prog., Camp CaPella, the Ctr. for Community Inclusion & Disability Studies, and Upward Bound. Ten partner institutions: Bates, Bowdoin, Colby, Unity, UNE, UMaine Presque Isle, UMaine Farmington, UMaine Fort Kent, UMaine Augusta, and Uni. of Southern Maine. Eastern Maine Community College and Maine Maritime Academy workforce partners. SSI researchers engaged in 18 other institutional collaborations.

Goal 6 SSI Workforce: 479 individuals directly supported: 98 faculty, 6 postdocs, 52 graduate students, 171 undergraduate students, 29 high school students, and 123 professional/technical/ administrative staff. Opportunities for participation included numerous SSI-related courses; 9 seminars, 1 major lecture, 1 conference, and other related educational and training events.

Goal 7 General Workforce: Supported related STEM programs and opportunities that directly engage K-20 students and teachers and others (3,419 participants); educator professional and leadership development in STEM; leadership role in statewide STEM workforce development.

Goal 8 - Cyberinfrastructure: General description of the project was developed as well as descriptions for each individual project. Scientific and technical publications were catalogued and formatted. Individual team portals continued to be developed, and we continued to establish Dataverse files for faculty, postdocs, and graduate students. Dataverse links were developed for the DSpace data collected by the SURP Project.

Goal 9 Engagement: Further development of communication mechanisms enabled increased dissemination and awareness of SSI research and workforce development activities.

Goal 10 Evaluation: Report from external evaluators provided additional findings to support improvements in management strategies for SSI and the Mitchell Center.

Goal 11 Sustainability: 479 participants were directly supported; \$33.3M grant proposals were submitted; \$21.4M were awarded to date; provided new avenues to seed fund research and leverage NSF programs; 99 publications/products completed.

Goal 12 Overall Project Mgt: Management activities continued.

Goal 13 Research Project Mgt: Transition to Mitchell Center management completed.

Key outcomes or
Other achievements:

SSI's research strengthened connections between scientific knowledge and societal actions that improve human well-being while protecting the environment. This objective has been pursued via rigorous interdisciplinary, stakeholder-engaged research that generated a number of significant outcomes and other achievements during YR5ext:

#1: The team's novel wetland management guidance continued to have widespread recognition. The team has published 6 papers and is pursuing more NSF funding through CNH, RCN, and CNIC programs.

#2: Collaborated with the Sustain Southern Maine group to engage communities in York and Cumberland is regional-scale planning based on the Urban-Sim model. Published 1 paper with 5 in review.

#3: This team established a real-time monitoring system with on-line data streaming and developed a new lake evaporation model to use in the lake-level simulation model. The team has 9 manuscripts in review.

#4: This team published 1 paper; another 3 are in review.

#6: Continued application of models of landscape change based on preference surveys, land-use regulations, and land classification provided the foundation for the development of a web-based interactive community model, the Maine Futures Community Mapper. One environmental law and policy paper published; 4 additional papers are in review.

#11: This team has been part of Maine DOT-led ARMS consortium and is developing cfd models of culvert-related flows. Three papers are in review.

#13: Continued to lead research to support adaptation by tribal basket makers, ash harvesters, and resource managers, as well as representatives of federal and state resource agencies.

#18: The project team hosted the 2nd Marine Energy International Symposium that featured stakeholder engagement, resource assessment, and engineering. In addition, 5 papers were published.

#19: Analyzed the socio-ecological connections between fisheries and landscape change. Started new collaborative research on green crabs and eelgrass habitat. Developed 4 manuscripts.

#20: Completed collaborative research to integrate environmental, historical, institutional structure, and cultural characteristics of the Belgrade Lakes Region. Completed virtual guide and geologic field trip to region. Prepared 3 manuscripts.

#21: Research has resulted in a new Saco River Estuary Stewardship Network. Efforts continued to collaborate with the National Estuarine Research Reserves System. Team is participating in the NSF EPSCoR RII Track 2 project with the New England Sustainability Network and has also received an NSF STEP grant.

#22: Completed hemlock plot studies and 1 manuscript is in review.

Goal 5 – Diversity: In YR5ext SSI experienced some increased involvement of women and underrepresented groups at the directly supported and indirectly supported levels. Directly supported participants saw a 1% increase of underrepresented groups, which met the targeted benchmark for underrepresented groups (9%). Indirectly supported participants saw an 8% decrease for females (45% down from 53%) which still exceeded the targeted benchmark for females. Through continued partnerships and program support, SSI is broadening participation among women, persons with disabilities, first-generation students, and the Native communities of Maine. SSI is also expanding institutional and partner diversity through expanded collaborations with undergraduate institutions and community colleges, as well as strategic stakeholder collaborations in both research and workforce development.

Goal 6 – SSI Workforce Development: Fifteen graduate students completed their degree programs (8 PhD, 7 MS). Eight SSI PhD cohort graduates have taken new positions, 7 with academic institutions and 1 with a federal agency. Undergraduates, graduates and post docs have gained experience in solutions-driven research techniques working as part of SSI teams. All students gained a greater understanding of the interdisciplinary nature of sustainability science, and are better prepared to continue their educational or career paths in a sustainability-related area. Maine increased its capacity to produce and support sustainability science professionals statewide.

Goal 7 – General Workforce Development: Addressed the need to prepare Maine's STEM workforce through coordinated programs and opportunities, training, and knowledge by networking statewide to engage educators, policy makers and community members in educational opportunities focused on SSI related research work. Through these efforts students at all levels gained a deeper understanding of sustainable science and exposure to STEM related career pathways.

Goal 8 - Cyberinfrastructure: The data management portal established in YR5 was used to include project descriptions, team members, associated publications, and in some instances data. A tracking device for establishing Dataverse was used to monitor the creation of Dataverse files for studies, uploading of data, and data made available to the public. The Mgt. Team continued to follow-up and encourage those individuals who have been delayed in establishing and populating their Dataverse files. Personal off-campus assistance was provided. A CI team designated to develop Decision Support System tools was established. Data on five variables (population, land cover, climate, housing, and wildlife) were collected for three projects (2, 6, 11).

Goal 9 External Engagement: Transition to Mitchell Center communication materials is well underway and will be completed in spring 2015 (web, print, email, display). New Facebook page established. Continued development of stakeholder network.

Goal 10 Evaluation & Assessment: All evaluation reports are completed.

Goal 11 Sustainability: All strategic actions leading to sustainability beyond the RII project have continued and are now led and managed by Mitchell Center team members.

Goal 12 Overall RII Project Management: On-going management provides project integrity and ensure success.

Goal #13 SSI Research Project Management: Management has transitioned to the new Mitchell Center for Sustainability Solutions.

*** What opportunities for training and professional development has the project provided?**

With Maine ranking 50 out of 52 in 2009 in earned doctorates in science or engineering, the workforce development goal to foster the current and next generations of sustainability science professionals is critical for the state. Strategies span two goals: one for workforce development and education in the sustainability science research component (Goal 6), and one for more general workforce development and STEM education related to sustainability science (Goal 7).

Detailed information on progress on YR5ext objectives can be found in the attached benchmarks table and progress detail tables for each goal.

Direct research support (6.1) was provided for SSI participation and engagement at all levels. During YR5ext, a total of 479 individuals were directly supported under this project: 98 faculty, 6 postdocs, 52 graduate students, 171 undergraduate students, 29 high school students, and 123 prof/tech/admin staff. The project fully supported 4 faculty hires and 6 postdoctoral fellows in YR5ext.

Engaging graduate students is a key benchmark for objective 6.2. In YR5ext, SSI faculty taught 12 SSI-related graduate courses. Progress continues on efforts to establish a graduate certificate in collaboration with the Ecology and Environmental Sciences (EES) program. Fifteen students successfully defended their theses/dissertations and have taken new positions at other institutions/organizations. Examples of graduate student participation at conferences include 7 students who presented posters at the ME EPSCoR Conf. (Dec. 2014). The Maine Futures Community Mapper earned the 2014 President's Research Impact Award for PhD graduate Spencer Meyer.

Objective 6.3 is to engage undergraduate students in SSI mentoring, programs and opportunities. During YR5ext, 171 undergraduate students were directly mentored in research assistantship opportunities by SSI researchers. Seven undergraduate students presented posters on SSI-related research at the ME EPSCoR Conference. Zachary Mann received first place for his poster. Undergraduate student Michael Dandy, a senior in Civil & Env. Engineering, presented on his SSI research at the National Council for Undergraduate Research Conf. in La Crosse, Wisconsin. His initial work led to a co-authored manuscript to Water Resources Research. Dandy was also named a 2013 CUGR

Fellow.

Support for SSI faculty and postdoctoral development through mentoring, programs, and opportunities is outlined in objective 6.4. SSI continues to collaborate with the Center for Excellence in Teaching and Assessment and the ADVANCE Rising Tide Ctr. to support training and mentoring of faculty, postdoctoral fellows and graduate students. Formal and informal mentoring has continued across the team in YR5ext. Five SSI faculty completed UMaine's Faculty Fellows Program, an innovative leadership program that prepares faculty to serve as ambassadors to Maine communities and constituents. SSI faculty Lindenfeld designed the program.

Other mentoring opportunities focused on active participatory learning in interdisciplinary teamwork have continued in YR5ext. Faculty collaboration continues on a paper focused on the "lessons learned" from their SSI experience. Three new projects were funded through an RFP for Emerging Opportunities Planning Grants that was issued in fall 2013 (see goals 1-4). These projects continue to expand ideas in sustainability science, utilize interdisciplinary research teams, and further develop stakeholder relationships. A new RFP for FY16 has been issued that will continue the process of seed funding new research through the Mitchell Center. UMaine's strategic plan called for a "review of signature strength and emerging growth areas." This process resulted in a Mitchell Center proposal "Sustainability Solutions & Technologies" being selected as an "emerging research area" at UMaine.

Collaborative learning for YR5ext (6.5) has continued with seminars, workshops and conferences. Nine seminars in fall 2014 allowed for learning across the research team and the wider campus community. The Mitchell Center also hosted the 2014 Mitchell Lecture on Sustainability on October 2. Bill Clark from Harvard University was the keynote speaker. Over 400 people attended the lecture. Partner institutions expressed strong interest in continued participation at the Maine Sustainability & Water Conf. and have been integrated into the planning process for the 2015 conference. Annual awards have been introduced that are designed to celebrate accomplishments of team members and external stakeholders who have contributed to sustainability science. 2014 awards were presented on Dec. 8.

Goal 7 addresses the need to prepare Maine's STEM workforce through coordinated programs and opportunities, training, and knowledge dissemination. The first objective (7.1) works with statewide STEM partners to implement integrated K-20 STEM activities related to the sustainability science research. Maine EPSCoR developed a partnership with UMaine Coop. Ext. and Maine Project Learning Tree to develop curriculum for teachers. This curriculum was disseminated during summer 2014. Maine EPSCoR continued its collaboration with the REACH Center, a joint project with Maine Math and Science Alliance and the Maine School of Science and Mathematics. ME EPSCoR is partnered with UMaine Foster Center for Student Innovation to provide workshops focused on sustainable science. Four students completed training and participated in the new Innovation Internship Prog. in summer 2014.

Maine EPSCoR supported the Northern Maine Children's Water Festival. Over 600 students attended this 1-day event that was held on Oct. 14, 2014. Water resource professionals, including SSI faculty and graduate students, provided presentations and activities about water, wetlands, human health, and aquatic life. High school students who participated in the NSF EPSCoR Track III SMART summer institute hosted a workstation in the exhibit hall at the event.

Participating SSI partner institutions continued to implement K-20 STEM activities related to sustainability science research during the summer of 2014 (7.2). Researchers provided opportunities for middle school students to participate in daylong lake programs, high school students to participate in research, and undergraduates to teach SSI-related curriculum to K-12 students.

Maine EPSCoR provides high school research internship experiences (7.3). During the summer of 2014, 19 students from 9 area high schools participated in the program. One high school student continued to intern at UMaine to develop online tools to search and process SSI research data by K-20 classrooms.

Objective 7.4 is to promote educator professional and leadership development in STEM, and foster STEM approaches and activities that value prior learning across subjects. During YR5ext, ME EPSCoR partnered with Maine Campus Compact to offer travel scholarships to 1 UMaine faculty member, 1 community college faculty member and 2 graduate students to attend the SENCER Summer Institute co-hosted by NSF in Asheville, NC.

Maine EPSCoR, the Dept. of Labor and the Dept. of Education created a partnership to expand upon the four baseline STEM education studies that had previously been conducted by Maine EPSCoR in 2012 (7.3). Due to state budget cuts additional follow-up work has not occurred as planned. The Maine STEM Collaborative aims to integrate best practices in STEM. Maine EPSCoR is a key member of this collaborative. In fall 2014, Maine EPSCoR played an active role in the strategic planning process of Maine STEM Collaborative new statewide STEM Innovation to increase professional development and student success in STEM education.

*** How have the results been disseminated to communities of interest?**

SSI Strategic Plan Goal 9 addresses the need to create and maintain an effective outreach and communication network for external engagement through strategies that encompass all participants, stakeholders, and the general public. Detailed information on progress for YR5ext can be found in the attached project benchmarks table and progress detail tables for each goal.

Outreach and communication are fully integrated throughout all aspects of this project, as it is a key component of the sustainability theme. Therefore, many relevant activities and programs are discussed in other sections of the annual report.

Objective (9.1) is to establish stakeholder communication networks that allow for two-way sharing and for information dissemination on SSI research. SSI's research approach requires that all project teams develop strong partnerships with appropriate stakeholder groups. These partnerships have continued to develop and change as each project has moved forward.

The new Mitchell Center for Sustainability Solutions has established a brand that has developed from the original SSI brand. The formal announcement of the Mitchell Center name change took place at the 2014 Mitchell Lecture on Sustainability on October 2, 2014. Although materials continue to be updated, the majority of these tasks have largely been completed including the website, Facebook page, brochures, display materials, and building signage. The new website is available at www.umaine.edu/mitchellcenter. News updates and event information are prioritized on the home page to keep the site fresh and informative. A science writer continues to assist with content.

Communications via our "News & Events" publication with our email subscription list of 1,600 contacts continues on a regular basis. Mailings include short news articles, upcoming event information, and other items of interest. Twelve editions have been issued in YR5ext. All articles link to the Mitchell Center website for more in-depth news stories and event information.

Public participation at Mitchell Center events is encouraged. Information is distributed through our email database and through other public and university forums. Major events include the Mitchell Lecture on Sustainability and the Maine Sustainability & Water Conference. Seminars are also generally open to the public.

William Clark from Harvard University's John F. Kennedy School of Government, delivered the 2014 Mitchell Lecture on Sustainability on October 2 at UMaine. "Mobilizing Knowledge to Shape a Sustainable Future" was the title of the lecture given by Clark. Over 400 people attended the lecture of which ~25% were external constituents and stakeholders.

The Mitchell Center has established a Facebook page. The page is used to provide another access point to the Mitchell Center website and to increase avenues for distribution of shorter news articles, events, announcements and links to materials on other relevant sites. All major seminars and events are recorded and links are provided to our Vimeo site for viewing. New display materials reflect the name change and updated information on the mission, vision and goals of the Mitchell Center. New printed materials are either completed (brochures, flyers, folders) or in process to be completed in early January (large format brochures, newsletters). New signage for Norman Smith Hall, the home of the Mitchell Center, has been completed.

Media coverage on SSI included an editorial by SSI researcher Rob Lilieholm in the Bangor Daily News, and interviews of SSI researchers Smith, Noblet, and Waring for research related articles in the Bangor Daily News, Working Waterfront, and MPBN. The Maine Futures Community Mapper (<http://www.mainelandusefutures.org/>) was featured in a Bangor Daily News article, "Keeping up with Maine's Changing Climate".

Objective (9.2) is to disseminate and communicate research results to the scientific community. Our approach to this has been to engage in scholarly research outputs such as publications and technical presentations, sponsor and participate in conferences, seminars and workshops, and host visiting scholars. Lists of major publications and technical presentations are presented in the “products” section of this report.

SSI continues to sponsor and participate in various conferences, seminars and workshops including the annual ME EPSCoR Conference, Maine Sustainability & Water Conference, Mitchell Lecture on Sustainability and Mitchell Center Seminar Series. All of these events are well attended by academics and researchers from UMaine and other Maine institutions.

The Mitchell Center Seminar Series brings scholars to the UMaine campus on a regular basis. Team members who invite scholars to participate in the seminar series are encouraged to host scholars for 2-3 days and provide opportunities for the UMaine community to interact and learn from them outside of the scheduled seminar. Co-sponsorship by other interested departments also encourages interactions beyond the Mitchell Center team. For YR5ext, four external speakers and Mitchell Lecturer Bill Clark visited campus and participated in meetings with a variety of interested faculty, postdocs and graduate students.

Objective 9.3 is to build scientific literacy for the general public & K-12. During YR5ext, Maine EPSCoR's partnered with Cooperative Extension 4H to develop related K-12 curriculum to coordinate with the Maine Public Broadcasting Network's “Sustainable Maine” series. Maine EPSCoR also continued to redesign its website and enhanced activity through social media; and implemented other communication strategies during the summer and fall of 2014, including printing of its Fall newsletter which was disseminated to nearly 1,000 people.

Supporting Files

Filename	Description	Uploaded By	Uploaded On
ME EPSCoR Benchmarks and Goal Tables.pdf	Maine EPSCoR Benchmarks and Goal Tables	Michael Eckardt	12/31/2014
ME EPSCoR Appendix.pdf	Maine EPSCoR Appendix	Michael Eckardt	12/31/2014
ME EPSCoR Combined Template A - H.pdf	Maine EPSCoR Templates A-H	Michael Eckardt	12/31/2014

Products

Books

Book Chapters

Farrow, K., Teisl, M.F., Noblet, C.L., McCoy, S.K., Rubin, J. (). Does money grow on trees? People's willingness to pay for cellulosic wood ethanol. *Biofuel/Book 1* InTech Publishing. . Status = ACCEPTED; Acknowledgement of Federal Support = No ; Peer Reviewed = No

Fleming, J.R. (). Sense of Place and the Future. *Collecting the Future: Museums, Communities, and Climate Change* Newell, J., Robin, L. Wehner, K.. Routledge. New York. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes ; Peer Reviewed = Yes

Fleming, J.R. (). Die kontroverse Vergangenheit der Wetter- und Klimakontrolle die beunruhigenden Aussichten. *Klimagerechtigkeit/ Klimaethik* Kallholff, A.. Vienna. . Status = ACCEPTED; Acknowledgement of Federal Support = No ; Peer Reviewed = Yes

Lilieholm R.J., C.S. Cronan, M. Johnson, S. Meyer, and D. Owen (2014). Alternative Futures Modeling in Maine's Penobscot River Watershed: Forging a Regional Identity for River Restoration. *Academic Institutions as Conservation Catalysts* J. Levitt. Island Press. Washington, D.C.. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes ; Peer Reviewed = Yes

Lilieholm, R.J., Cronan, C.S., Johnson, M., Meyer, S. (2013). University of Maine's Sustainability Solutions Initiative: Forecasting the Future of the Lower Penobscot River Basin. *Lincoln Institute of Land Policy* Cambridge, MA. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes ; Peer Reviewed = Yes

Lindenfeld, L. (). Thinking through Issues of Voice and Consumption. *Voice and Environmental Communication* Peeples, J., Depoe, S.. Palgrave. London. . Status = ACCEPTED; Acknowledgement of Federal Support = No ; Peer Reviewed = No

Ranco, Darren and Julia Clark (2014). The Abbe Museum: Seeking a Collaborative Future through Decolonization. *In Interpreting Native American History and Culture* Raney Bench. Roman and Littlefield. New York. 57. Status = PUBLISHED; Acknowledgement of Federal Support = Yes ; Peer Reviewed = No

Saura, S., Martin, E., Hunter Jr., M.L. (2014). Forest landscape change and biodiversity conservation. *Forest Landscapes and Global Change* Azevedo, J.C., Perera, A.H., Pinto, M.A.. Springer-Verlag. . Status = ACCEPTED; Acknowledgement of Federal Support = No ; Peer Reviewed = Yes ; ISBN: 978-1-4939-0952-0.

Silka, L. (2013). Becoming Part of the Solution: Engaged Research on Sustainability. *University Engagement and Environmental Sustainability* Inman, P., Robinson, D.. Manchester University Press. . Status = ACCEPTED; Acknowledgement of Federal Support = No ; Peer Reviewed = Yes

Conference Papers and Presentations

Ranco, Darren (2014). *"Employing the Local: Race, Culture and Labor in the Borderlands"*. Borders and Borderlands Institute. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Feurt, Christine (2014). 1) *Ecosystem Service Valuation Strategies for Sustaining Ecosystem Services and Building Resilient Communities* 2) *Improving the Impact and Application of Science to Decision Making and Policy: Lessons from the Coastal Training Program*. NERRS/NERRA Annual Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Lilieholm, Robert (2014). *A Spatial Analysis of Biophysical Watershed Characteristics affecting Stream Response to Land-use Changes in Maine, USA..* Ecological Society of America Annual Meeting. Sacramento, CA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Weil, Kristen (2014). *A spatial analysis of biophysical watershed characteristics affecting stream response to land-use changes in Maine, USA..* Ecological Society of America Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Rudnick, B.N., J.M. Reynolds, K.M. Smith, J.A. Sulikowski. (2014). *Abiotic Influences on the Juvenile Fish Assemblage of the Saco River Estuary*. Maine Water and Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Meyer, S.R., Johnson, M.L., Lilieholm, R.J., Cronan, C.S., Owen, D. (2013). *Abstract - Alternative Future Scenarios in Maine: Using Stakeholders to Co-Develop a Land Use Suitability Model*. National EPSCoR Conference. Nashville, TN. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lauden, A., Dostie, B., Johnson, B., Retelle, M. (2014). *Abstract - Late Holocene changes in the nitrogen isotope composition of a sediment core from Nequasset lake, Woolwich, ME*. NE GSA. Lancaster, PA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Cunningham, W., Johnson, B. (2014). *Abstract - Nutrient dynamics of Nequasset Lake: Effects of anadromous alewife subsidies*. NE GSA. Lancaster, PA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Reeve, A.S., Westervelt, C. (2013). *Abstract - Peatland data analysis and simulation with Python*. Scientific Computing with Python. Texas. Status = ACCEPTED; Acknowledgement of Federal Support = No

Fleming, J.R. (2014). *Abstract - The Future of Technology and its Impact on the Environment*. Emirates Center for Strategic Studies and Research (ECSSR)19th Annual Conference. Abu Dhabi, United Arab Emirates. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Parr, T.B., Ohno, T., Sleighter, R.L., Cronan, C.S., Simon, K.S. (2014). *Abstract - Urbanization, nutrients, and the molecular basis of DOM bioavailability*. SFS/ASLO Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Beyene, M.T., Jain, S. (2014). *Abstract - Winter weather-climate variability and its impact on early ice breakup dates in Maine lakes*. 28th Conference on Hydrology. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Bauer T, Sulikowski J. (2014). *Abundance, Assemblage, and Distribution of Ichthyoplankton Around the Saco River Plume*. Northeast Fish & Wildlife Associations Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Noblet, Caroline L., Newcomb, S., Witick, A., Eslin, A., Anderson, M., Teisl, M. and McCoy, S. (2014). *Adaptation and Sustainability Incentives*. Climate Adaptation and Sustainability (CLAS) Conference. Orono, ME. Status = PUBLISHED; Acknowledgement of Federal Support = Yes

Feurt, Christine (2012). *All Day Workshop: Collaborative Learning - An Expert Practice for Community Involvement in a Changing Climate*. EPA Community Involvement Training Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Runnebaum, Jocelyn (2014). *Assessing Barotrauma Treatment of Cusk (Brosme brosme) Bycaught in the Maine Lobster Fishery*. AFS annual meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Perlut, Noah (2014). *Assessment of the bird community that uses the Saco River's tidal marshes*. Saco River Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Bass, Anna (2014). *Benthic invertebrates from low tidal mudflats and low marshes of the Saco River Estuary, Maine*. New England Estuarine Research Society. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Capps, K. (2013). *Biogeochemical hotspots within forested landscapes: quantifying the functional role of vernal pools in ecosystem processes*. American Geophysical Union. , San Francisco, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silka, L. (2014). *Boundary Spanning panel*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Suldovsky, Brianne (2013). *Bridging the Divide Between Science and Policy and Maine*. National Communications Association. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Feurt, Christine (2014). *CHALLENGES AND REWARDS OF TRANSDISCIPLINARY COLLABORATION TO SUSTAIN ECOSYSTEM SERVICES*. Restore America's Estuaries 7th National Summit on Coastal and Estuarine Restoration and 24th Biennial Meeting of The Coastal Society Inspiring Action, Creating Resilience. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Fleming, J. (2014). *Climate Interventions: (1) Carbon Dioxide Removal and Reliable Storage, (2) Albedo Modification*. National Academy of Sciences. Washington, DC. Status = ACCEPTED; Acknowledgement of Federal Support = No

Stapp, Jared (2014). *Community Forestry Impacts in the Buffer Zones of Chitwan National Park, Nepal*. Ecological Society of America Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Zydlowski, Gayle (2013). *Considerations for Fish and Tidal Power in Maine*. Penobscot Museum History Conference:

Fish, Wind and Tide: Renewable or Finite Resources?. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Waring, Tim (2014). *Cultural Group Selection and Sustainable Resource Management: Experiments*. Workshop on Ostrom Workshop. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Runnebaum, Jocelyn (2014). *Cusk Bycatch in the Maine Lobster Fishery*. Ocean University of China. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bass, Ana (2014). *Description of low marsh and tidal mudflat sediments of the Saco River Estuary, Maine..* New England Estuarine Research Society. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Dhakal, Nirajan (2014). *Detection of Nonstationarity in Seasonality of Extreme Precipitation Using a New Statistical Approach*. American Geophysical Union Fall Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Kim, Yuseung (2014). *Developers as Innovators: The Role of Adaptive Agents in the Evolution of Urban Form*. Association of Collegiate Schools of Planning 54th Annual Conference. Philadelphia, PA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, Teresa (2014). *Discussant: Diversification and Innovation in Agricultural and Marine Systems*. Meeting of the Society for Human Ecology. Bar Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Catlin-Legutko, Cinnamon; Clark, Julia and Neptune, George (2014). *Discussing Museum Decolonization*. American Association of State and Local Historians Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Goff, Sandra (2014). *Do dollars degrade sustainability norms?*. Maine Economics Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Beard, K., Neville, M. (2014). *Dynamic Place based Content Models for Scientific Observations*. GIScience. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Feurt, Christine (2013). *Ecosystem Services and Human Well Being "Interdisciplinary Research to Increase the Impact of NERRS Science*. NERRS/NERRA Annual Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Feurt, Christine (2014). *Ecosystem Services and Human Well Being Interdisciplinary Research to Increase the Impact of NERRS Science*. The Social Forum. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Arnett, Amy (2014). *Effects of Hemlock Logging on Vegetation and Ant Biodiversity Patterns in Northern Hemlock-Hardwood Forests*. Ecological Society of America national meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lilieholt, Robert (2014). *Effects of Watershed Characteristics on Stream Vulnerability to Degradation: Implications for the Future of Streams in Maine, USA..* Society for Human Ecology Annual Meeting. Bar Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Latty, E. ;Arnett, A.; Dunckel, K and Remsburg, A. (2014). *Effects of hemlock logging on overstory, sapling, and understory vegetation in hemlock-dominated forest..* Northeastern Natural History Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Runnebaum, Jocelyn (2014). *Evaluating and improving survivability of cusk bycatch discarded in the Gulf of Maine lobster trap fishery*. AK Sea Grant Bycatch Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Runnebaum, Jocelyn (2014). *Evaluating and improving survivability of cusk bycatch discarded in the Gulf of Maine*

lobster trap fishery. Shanghai Ocean University Seminar. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Perlut, Noah (2014). *Factors that affect tidal marsh bird diversity in the saco estuary of Southern Maine*. Association of Field Ornithologists and Wilson Ornithological Society Annual Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Perlut, Noah (2014). *Factors that affect tidal marsh bird diversity in the saco estuary of Southern Maine*. New England Estuarine Research Society. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Morehead (Newcomb), Sarah (2014). *Financial Psychology in the Classroom*. International Conference for Applied Psychology. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGill, Brian (2014). *Geographic variation in the factors controlling plant species ranges across the New World*. Ecological Society of America. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGill, Brian (2014). *How do leaf traits differ in their patterns of variation across scales?*. Ecological Society of America. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Wilson, Karen (2014). *Identification of Alewife Stock Structure in the Gulf of Maine Using Otolith Microstructure*. American Fisheries Society 144th Annual Meeting. Quebec City, Quebec, CA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Owen, Dave (2014). *Interdisciplinary Research and Environmental Law*. Harvard/Stanford/Yale Junior Faculty Forum. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Novak A, Little C, Wippelhauser G, Zydlewski G, Kinnison M, Sulikowski J (2014). *Is Diet Related to the Movement of Atlantic sturgeon (Acipenser oxyrinchus) in the Saco River Estuary?*. Northeast Fish & Wildlife Associations Conference. Portland, ME. Status = ACCEPTED; Acknowledgement of Federal Support = No

Johnson, Beverly (2014). *Late Holocene changes in the nitrogen isotope composition of a sediment core from Nequasset lake, Woolwich, ME.*. New England Estuarine Research Society. Salem, MA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, Teresa (2014). *Maine Fishermen's Perspectives of Resilience*. Ocean Acidification. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGreavy, B. (2014). *Managing the Boundary Between Science and Decision Making, Panel discussion*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lilieholm, Robert (2014). *Mapping Forest Dynamics in the Buffer Zone of Chitwan National Park, Nepal.*. Ecological Society of America Annual Meeting. Sacramento, CA. Status = ACCEPTED; Acknowledgement of Federal Support = No

De Urioste-Stone, Sandra (2014). *Measuring Maine residents' attitudes toward sustainable tourism and development: a psychometric approach*. International Workshop on National Parks Management. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lilieholm, Robert (2014). *Measuring Willingness to Adopt Conservation-oriented Behaviors in Nepal.*. Society for Human Ecology Annual Meeting. Bar Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = No

Fleming, James (2014). *Metaphors and Images of Climate Control, Climate Engineering in Popular Culture: Art, Media, Games, and Fiction*. Climate Engineering Conference. Berlin, Germany. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Capps, Krista (2014). *Modeling nutrient transport and transformation by vernal pool-breeding amphibians in forested landscapes*. Joint Aquatic Sciences Meeting. Portland, Oregon. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Support = Yes

Wilson, Karen (2014). *Natural Variability in Alewife Abundances on the East Coast of North America: Long-Term Trends and Links with Climatic and Biological Indices*. American Fisheries Society 144th Annual Meeting. Quebec City, Quebec, CA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Feurt, Christine (2013). *Nobody Said This Would be Easy - Modeling Good Collaborative Research & Lessons Learned*. NERRS/NERRA Annual Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Johnson, Beverly (2014). *Nutrient dynamics of Nequasset Lake: Effects of anadromous alewife subsidies*. NE GSA. Lancaster, PA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, Beverly (2014). *Nutrient dynamics of Nequasset Lake: Effects of anadromous alewife subsidies*. New England Estuarine Research Society. Salem, MA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Homola, J.J., M.T. Kinneson, C.S. Loftin, A.J.K. Calhoun, K.P.Bell, K.Capps, M.L. Hunter, D.M. Bauer, and E.J. Nelson. (2014). *Of pools and people: application of vernal pool amphibian landscape genetics in a socio-environmental coupled-systems model*. 70th Annual Northeast Association of Fish and Wildlife Agencies. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Szakas, J. (2013). *Other - Interdisciplinary IT: An Expanded Approach*. ISECON Conference. San Antonio, TX. Status = ACCEPTED; Acknowledgement of Federal Support = No

Kim, Y., Colgan, C.S., Kartez, J. (2014). *Other - On the Border, Assessing Landscape Sustainability at the Boundaries within Urban Regions*. Proceedings of Urban Affairs Association 44th Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silka, L. (2013). *Panel, Sustainability, Citizen Science, and Bicycle Tourism*. National Bicycle Tourism Conference. Iowa City, IA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

King, J., Milligan, P. (2014). *Poster - 114th General Meeting for the American Society of Microbiology*. 114th General Meeting for the American Society of Microbiology. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Pavri, F. (2014). *Poster - A spectral index analysis of Landsat 8 data for the Sebago Lake watershed*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Morgan, P. (2014). *Poster - A study of the invasive species Phragmites australis in tidal marshes of the Saco River estuary and its relationship to various abiotic factors*. Northeast Undergraduate Research and Development Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Dreyer, Stacia (2014). *Poster - A two-dimensional differentiation of environmental policy support and acceptance*. Society for Personality and Social Psychology. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Stancioff, E. (2014). *Poster - Adaptation Strategies in a Changing Climate: Maine's Coastal Communities and the Statewide Stakeholder Process*. Maine Sea Grant Research Biennial Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Meyer, S.R., Johnson, M.L., Lilieholm, R.J., Cronan, C.S., Owen, D. (2013). *Poster - Alternative Future Scenarios in Maine: Using Stakeholders to Co-Develop a Land Use Suitability Model*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Meyer, S.R., Johnson, M.L., Lilieholm, R.J., Cronan, C.S., Owen, D. (2013). *Poster - Alternative Future Scenarios in Maine: Using Stakeholders to Co-Develop a Land Use Suitability Model*. National EPSCoR Conference. Nashville, TN. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

MacLagan, S., Bell, K.P., Silka, L., Johnson, T., East, J. (2013). *Poster - Analyzing the economics of shellfish*

management policy structures. Maine EPSCoR Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Beyene, M. (2013). *Poster - Anticipating surprises: hydro-climatology of lake ice breakup in Maine*. Maine EPSCoR State Conference. Orono, ME. Status = PUBLISHED; Acknowledgement of Federal Support = Yes

Johnson, M.L., Teisl, M.F., Bell, K.P., McCoy, S.K. (2013). *Poster - Assessing psychological factors affecting personal relevance of landscape change scenarios*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Mercado, A. (2013). *Poster - Assessing the Impact of a Training Model for STEM Teachers of English Learners in a Rural State with Low Incidences of EL Populations*. National EPSCoR Conference. Nashville, TN. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Butler, R. (2014). *Poster - Butterfly Fauna Associated with the Rangeley Lakes Region of Maine*. UMF Wilson Research Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Stancioff, E., Gray, A., Jain, S., Dhakal, N (2013). *Poster - Climate Adaptation in Coastal Communities*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Daly, J. (2014). *Poster - Connecting watershed characteristics to lake behavior: Do bedrock and vegetation influence the stability of subalpine lakes in response to storm events?*. Geological Association of Canada Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Chunzeng, W. (2013). *Poster - Creating a high-precision land-use map of Presque Isle using color infrared, high resolution satellite, and LiDAR imageries*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Meyer, S.R., Johnson, M.L., Lilieholm, R.J., Cronan, C.S. (2013). *Poster - Development of a Stakeholder-driven Spatial Modeling Framework for Strategic Landscape Planning using Bayesian Networks across two Urban-Rural Gradients in Maine*. National EPSCoR Conference. Nashville, TN. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, E., Bell, K.P., Camill, P., Johnson, T., Leahy, J., Silka, L. (2013). *Poster - Disamenity to amenity: socio-ecological dynamics of river restoration*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, E. (2013). *Poster - Disamenity to amenity: the socio-economic dynamics of river restoration.*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Chunzeng, W. (2013). *Poster - Emerging Amish community in central Aroostook as a new factor in landscape/land-use change*. Maine GIS Championship. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Chunzeng, W. (2013). *Poster - Emerging Amish community in central Aroostook as a new factor in landscape/land-use change*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Rice, E. (2014). *Poster - Engaging Students in Arctic Climate Change Research through Virtual Fieldwork*. Eastern Communication Association. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Martin, D. (2013). *Poster - Estimates of Surface Runoff and Groundwater Supported Flows to Sebago Lake, ME*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Goff, S. (2013). *Poster - Evolving the Core Design Principles*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Pickering, Ryan (2014). *Poster - Examining the relationship between socioeconomic status, gender, and perceived*

control. Society for Personality and Social Psychology. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Perry, A., Lamanna, C., McDonough MacKinzie, C., Miller-Rushing, A. (2014). *Poster - Functional diversity of Acadia National Park's resilient and extirpated flora*. Acadia Science Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Groff, L.A., Calhoun, A.J.K., Loftin, C.S. (2013). *Poster - Hibernation Ecology of Lithobates sylvaticus in Maine's Montane Landscape*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Dhakal, N., Jain, S. (2013). *Poster - Impact of a single unusually large rainfall event on the level of risk used for infrastructure design*. American Geophysical Union Fall Meeting. San Francisco, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Milligan, P. (2013). *Poster - Isolation and Identification of Gram Negative Bacteria from Turkey Feces using Salmonella ISO 6579*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Milligan, P. (2013). *Poster - Isolation of Staphylococcus Species From Maine Wild & Domestic Turkeys*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Daly, J. (2014). *Poster - Lake stability of head-water versus flow-through ponds*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Koboski, T.P., Jansujwicz, J.S., Johnson, T.R., Budzinski, C. (2013). *Poster - Maine Tidal Power Initiative: Lessons learned through collaborative interdisciplinary research*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Reeve, A.S., Martin, D., Smith, S.M. (2013). *Poster - Measurement of hydrologic streamflow metrics and estimation of streamflow with lumped parameter models in a managed lake system, Sebago Lake, Maine*. Fall Meeting, American Geophysical Union. San Francisco, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, K., Calhoun, A., Hunter, M. (2013). *Poster - Migration Distances of Unisexual Salamanders in Maine*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, J., Calhoun, A., Hunter M. (2013). *Poster - Migration Distances of Unisexual Salamanders in Maine.*. Annual Meeting of the Northeast Partners in Amphibian and Reptile Conservation. Branchville, NJ. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lage, C. (2013). *Poster - Molecular genetic variation among Maine wild turkeys (Meleagris gallopavo)*. Maine EPSCoR Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Homola, J.J., Kinnison, M.T., Loftin, C.S., Calhoun, A.J., Bell, K.P., Capps, K., Hunter, M.L., Bauer, D.M., Nelson, E.J. (2014). *Poster - Of pools and people: application of vernal pool amphibian landscape genetics in a socio-environmental coupled-systems model*. Northeast Fish and Wildlife Conference. Portland ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Stancioff, E., Webler, T., Hoyt, S., Whitehead, J., Belknap, S., Grant, K. (2013). *Poster - Planning for a Changing Climate: A Participatory Approach to Fishing Community Adaptation*. RARGOM Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, K. (2013). *Poster - Preliminary Migration Distances of Unisexual Salamanders in Maine*. Annual Meeting of the Northeast Partners in Amphibian and Reptile Conservation. Branchville, NJ. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, K. (2013). *Poster - Preliminary Migration Distances of Unisexual Salamanders in Maine*. Maine EPSCoR

State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Teisl, L., Johnson, T., Teisl, M. (2013). *Poster - Public reactions to land-based wind farms in Maine*. Maine Association of Planners Annual Meeting. Belfast, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silka, L. (2013). *Poster - Science Communication: Ensuring Science Leads to Action*. Annual Convention of the American Psychological Association. Honolulu, Hawaii. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Suldozsky, B. (2013). *Poster - Seafood Links*. National Communication Association Pre-conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Rueger, B. (2014). *Poster - Sediment map of Great Pond, central Maine*. Maine Water and Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Thornbrough, Lauren (2014). *Poster - Strengthening Maine's winter maintenance practices: Identification of relational ties through social network analysis*. Eastern Communication Association Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Buckley, D. (2014). *Poster - Summer Oxygen Fluxes in Three Lakes in the Rangeley Region of Western Maine*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Quartuch, M. (2013). *Poster - Sustaining forests through place attachment and sense of community*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lilieholm, R. (2013). *Poster - The Acadian Internship in Regional Conservation and Stewardship. (Davis presenting, with Lilieholm and Levitt)*. Acadia National Park Science Symposium. Winter Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Shrum, J. (2013). *Poster - The Drivers of Maple Sap Flow""the Implications of Climate Change on a Maine Tradition*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Koboski, T.P., Jansujwicz, J.S., Johnson, T.R., Budzinski, C. (2013). *Poster - The Maine Tidal Power Initiative: Lessons learned through collaborative interdisciplinary research*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bevier, C.R., Cole, F.R., et al. (2014). *Poster - The effects of shoreline development on biotic and abiotic characters of riparian and littoral habitat in the Belgrade Lakes*. 43rd Maine Lakes Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Reeve, A.S., Martin, D., Smith, S.M. (2013). *Poster - The handprint of hydrologic interventions in glaciated terrain*. Fall Meeting, American Geophysical Union. San Francisco, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Gerard, B., Van Dam, B. (2013). *Poster - The human influence of drainage in the Sebago Lake Rim Watershed*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Noblet, C. (2014). *Poster - Understanding Pro-Environmental Attitudes: Examining the Role of Intrinsic and Extrinsic Environmental Motivation*. Association for Psychological Conferences. 2014. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Parr, T.B., Ohno, T., Sleighter, R.L., Cronan, C.S., Simon, K.S. (2014). *Poster - Urbanization, nutrients, and the molecular basis of DOM bioavailability*. SFS/ASLO National Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, K. (2013). *Poster - Variation in Direction of Immigrating Breeding Amphibians into Vernal Pools in Maine*. Annual Conference of the Wildlife Society. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, K. (2013). *Poster - Variation in Direction of Immigrating Breeding Amphibians into Vernal Pools in Maine*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Durso, E., Hoffmann, K., Calhoun, A., Hunter, M. (2013). *Poster - Variation in Direction of Immigrating Breeding Amphibians into Vernal Pools in Maine*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Durso, E., Hoffmann, K., Calhoun, A., Hunter, M. (2013). *Poster - Variation in Direction of Immigrating Breeding Amphibians into Vernal Pools in Maine*. Annual Meeting of the Northeast Partners in Amphibian and Reptile Conservation. Branchville, NJ. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Latty, E. (2013). *Poster - Vegetation Patterns in Logged and Unlogged Hemlock Dominated Forests in Maine*. Northeastern Natural History Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Beyene, M. Jain, S. (2014). *Poster - Winter Weather-Climate Variability and its Links to Early Ice Out Events in Maine Lakes*. 94th American Meteorological Society Annual Meeting. Atlanta, GA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

deMaynadier, P.G., Yorks, D., Swartz, B.I., Persons, T.B., Mays, J.D., Hunter, M.L., Calhoun, A.J.K., CcCollough, M. (2014). *Poster - he Maine Amphibian and Reptile Atlas Project: Keeping Track of Maine's Herpetofauna for 27 Years*. Northeast Fish and Wildlife Conference. Portland, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Michael Quartuch presenting, with John Daigle and Kathleen Bell (2014). *Predicting Behavioral Intentions Through Place Attachment and Stewardship Responsibility*. International Symposium on Society and Natural Resources. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Dunckel, Kathleen (2014). *Predicting the spatial distribution of Tsuga canadensis in Maine using remote sensing and G/S*. ForestSAT. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, T.R., Jansujwicz, J.S. (2013). *Presentation - Human dimensions research on sustainable development of tidal energy: Lesson from Cobscook Bay, Maine*. 2nd Marine Energy International Symposium. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Aumann, J., Kus, E., Cline, B., Emanetoglu, N.W. (2013). *Presentation - A Low-Cost Harmonic Radar for Tracking Very Small Tagged Amphibians*. IEEE International Instrumentation and Measurement Technology Conference. . Status = PUBLISHED; Acknowledgement of Federal Support = Yes

Dhaka, N. (2014). *Presentation - A New Approach for Seasonality Characterization of Extreme Rainfall*. AMS 94th Annual Meeting. Atlanta, GA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Ranco, D. (2013). *Presentation - A Survey of Tribal Invasive Species Issues*. USDA National Indian Invasive Species Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Levesque, V., Bell, K.P., Clhoun, A., Teisl, M. (2014). *Presentation - A collaborative economic and ecological analysis of a proposed vernal pool regulatory mechanism*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Morgan, P. (2014). *Presentation - A study of the invasive species Phragmites australis in tidal marshes of the Saco River estuary and its relationship to various abiotic factors*. New England Estuarine Research Society Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lilieholm, R.J. (2014). *Presentation - Alternative Futures Modeling: Understanding the Past, Envisioning the Future*. Chitwan National Park. Nepal. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lilieholm, R.J. (2014). *Presentation - Alternative Futures Modeling: Understanding the Past, Envisioning the Future*. Institute of Forestry. Pokhara, Nepal. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

- Lilieholm, R.J. (2014). *Presentation - Alternative Futures Modeling: Understanding the Past, Envisioning the Future*. Kathmandu Forestry College. Nepal. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Lilieholm, R.J. (2014). *Presentation - Alternative Futures Modeling: Understanding the Past, Envisioning the Future*. Nepal Engineering College. Nepal. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Lilieholm, R.J. (2014). *Presentation - Alternative Futures for Kenya's Nairobi National Park*. Chitwan National Park. Nepal. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Lilieholm, R.J. (2014). *Presentation - Alternative Futures for Kenya's Nairobi National Park*. Nairobi National Park. Kenya. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Lilieholm, R.J. (2014). *Presentation - Alternative Futures for Kenya's Nairobi National Park*. Nepal Engineering College. Nepal. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Lilieholm, R.J. (2014). *Presentation - Alternative Futures for Kenya's Nairobi National Park*. University of Nairobi. Kenya. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Cline, B. (2013). *Presentation - Amphibians in complex landscapes: Quantifying habitat permeability and connectivity for juvenile movements*. The Wildlife Society 20th Annual Meeting. Milwaukee, WI. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Johnson, E. (2013). *Presentation - Androscoggin River Network- Implications of Boundary Organizations*. Androscoggin River Watershed Council Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Wilson, J.A., Gerrera, G. (2013). *Presentation - Androscoggin River, Part of a Larger World*. 18th Annual Androscoggin River Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Capps, K. (2013). *Presentation - Animals driving ecosystem function: Understanding the role of aquatic organisms in nutrient dynamics*. Lecture Series in the Sciences, Elmira College. Elmira, NY. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Reeve, A. (2014). *Presentation - Assessing the influence of hydrology on peatlands through computer simulation 2014*. Maine Association of Wetland Scientists Winter Conference and Annual Meeting. Maine Association of Wetland Scientists Winter Conference and Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Gardner, S.K. (2013). *Presentation - Bridging the divide: Tensions between the biophysical and social sciences in one interdisciplinary project*. Association for the Study of Higher Education. St. Louis, MO. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Parr, T. (2014). *Presentation - Carbon, nutrients and the Molecular Basis of DOM Bioavailability in an Urbanizing World*. Joint Aquatic Sciences Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Peckenham, J., Thomson, T. (2013). *Presentation - Citizen Science Contributions to the Understanding of Well Water Quality*. American Water Resources Association Annual Conference. Portland, OR. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Ranco, D. (2013). *Presentation - Collaboration for Sustainability*. UNH Sustainability Institute Seminar. University of New Hampshire. Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- McCourt, M. (2013). *Presentation - Commoning as Grounds for Everyday Sustainabilities*. Annual Meeting of the New England-St Lawrence Valley Geographical Society. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes
- Johnson, T. (2014). *Presentation - Community acceptance of tidal energy development in Maine*. Society for Applied Anthropology. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Jansujwicz, J.S., Johnson, T.R., Budzinski, C., Koboski, T.P. (2013). *Presentation - Community engagement in tidal energy development*. 2nd Marine Energy International Symposium. Orono, ME. Status = ACCEPTED;

Acknowledgement of Federal Support = Yes

Rice, E. (2013). *Presentation - Connecting Students with Arctic Research through Virtual Fieldwork Presentation to GIS educators in Maine on the development of the Virtual Fieldwork Experience in Greenland*. Maine GIS User Group and Maine GIS Educators Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGreavy, B. (2014). *Presentation - Conservation Action Planning as Rhetorical Attunement, Panel presentation*. Rhetoric Society of American Annual Conference. San Antonio, TX. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Suldovsky, B., Smith, H., Lindenfeld, L. (2013). *Presentation - Creating Pathways for Community-University Partnerships: Bridging the Divide Between Research and Policy in Maine*. National Communication Association. Washington, DC. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Ranco, D. (2013). *Presentation - Culture, Science and Sustainability*. UNH Sustainability Institute Seminar. University of New Hampshire. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Fleming, J.R. (2014). *Presentation - Curating the Anthropocene*. American Historical Association. Washington, DC. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Meyer, S. (2014). *Presentation - Development of a Stakeholder-driven Web-based Tool for Strategic Land Use Planning in Two Watersheds in Maine*. International Association of Landscape Ecology Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Willis, T. (2013). *Presentation - Differences in nearshore food web dynamics between central and downeast Maine*. 39th Annual Meeting of the Atlantic International Chapter. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, E. (2014). *Presentation - Disamenity to Amenity: The Changing Landscape of Maine's Urban River Communities*. American Association of Geographers Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Noblet, C., Thøgersen, J., Teisl, M. (2013). *Presentation - Drive Less: Easy to Say, Hard to do. Understanding decisions to change travel modes*. Behavior, Energy and Climate Change Conference. Sacramento, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Dunckel, K. (2013). *Presentation - ENCER-IZING your curriculum: Best practices for linking STEM education and civic engagement*. Maine EPSCoR and Maine Campus Compact Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Wilson, C., Wilson, K.A. (2014). *Presentation - Enterline, Assessing diadromous fish restoration in the Kennebec and Androscoggin Rivers*. Atlantic Salmon Ecosystems Forum. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McCourt, M. (2014). *Presentation - Everyday commonings: Contesting proprietarian political imaginaries in northern New England*. Annual Meeting of the Association of American Geographers. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Waring, T., Goff, S., Smaldino, P. (2013). *Presentation - Evolving the Core Design Principles: The Coevolution of Institutions and Sustainable Practices*. Computational Social Science Society of the Americas Meeting. Santa Fe, NM. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Payne, M.L., Wilson, K.A. (2013). *Presentation - Examining patterns of marine and freshwater habitat use by juvenile blueback herring (Alosa aestivalis) through otolith microchemistry*. 39th Annual Meeting of the Atlantic International

Chapter of the American Fisheries Society. Winter Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Payne, M.L., Wilson, K.A. (2014). *Presentation - Examining patterns of marine and freshwater habitat use by juvenile blueback herring (Alosa aestivalis) through otolith microchemistry*. Atlantic Salmon Ecosystems Forum. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Perlut, N. (2014). *Presentation - Factors that affect tidal marsh bird diversity in the Saco Estuary of southern Maine*. 6th Annual Northeast Undergraduate Research and Development Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Perlut, N. (2014). *Presentation - Factors that affect tidal marsh bird diversity in the Saco Estuary of southern Maine*. 70th Annual Northeast Fish and Wildlife Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Vieser, J. (2014). *Presentation - Finfish diversity and distribution in Cobscook Bay, Maine: anticipating broad scale changes*. Atlantic Salmon Ecosystems Forum. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lindenfeld, L. (2013). *Presentation - First Vice Presidential Panel on Engaged Communication Scholarship*. National Communication Association. Washington, DC. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Zydlewski, G.B. (2013). *Presentation - Fish interactions with ORPC TidGen in Cobscook Bay*. DOE Instrumentation Workshop. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Brady, D. (2013). *Presentation - Floating Offshore Wind Energy Development in Maine: Updates from DeepCwind and Maine Aqua Ventus*. Island Institute Energy Conference. Belfast Bay, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Parr, T. (2014). *Presentation - Global trend in DOM composition*. Symposium on Urbanization and Stream Ecology. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bruesewitz, D. (2013). *Presentation - Goldie the Great Pond Buoy: A new GLEON site in Maine, USA*. GLEON 15. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bruesewitz, D. (2014). *Presentation - Goldie the Great Pond Buoy: A tool for limnology, education and community outreach*. Joint Aquatic Sciences meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Groff, L.A., Calhoun, A.J.K., Loftin, C.S. (2014). *Presentation - Habitat Selection by Pool-breeding Amphibians in Maine's Montane Landscape*. Annual Coordinating Committee Meeting of the US Geological Survey, Maine Cooperative Fish and Wildlife Research Unit. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Groff, L.A., Loftin, C.S., Calhoun, A.J.K. (2014). *Presentation - Hibernation Ecology of Lithobates sylvaticus in Maine's Montane Landscape*. The annual Northeast Association of Fish and Wildlife Agencies Conference. Portland, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, T.R. (2013). *Presentation - Human dimensions research on tidal power development in Maine*. Penobscot Marine Museum 2013 History Conference: fish, Wind, and Tide: Maine's Future Resources. Belfast, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGreavy, B. (2014). *Presentation - Improving the application of science and democratic engagement: Communication in teams as complex systems*. Resilience 2014 Conference. Montpellier, France. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Daigle, J. (2013). *Presentation - Indigenous Experiences in the U.S. with Climate Change and Environmental Stewardship in the Anthropocene*. Pinchot Institute. Washington, DC. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Owen, D. (2014). *Presentation - Interdisciplinary Research and Environmental Law*. Berkeley Law School Environmental Law Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Chunzeng, W. (2013). *Presentation - Land Use and Land-Use Change Mapping by Using High-Resolution Aerial, Color-Infrared, and LiDAR-Based Terrain Imageries in ArcGIS*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Pavri, F. (2014). *Presentation - Landscape change and freshwater systems management: lessons from northern New England*. Association of American Geographers. Tampa, FL. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silka, L. (2014). *Presentation - Learning from Each Other: The Rich Opportunities of Drawing on Immigrant Experience and Insights, Conference on The History of the New Immigration into Lawrence, Massachusetts and Similar Communities*. Conference on the History of New Immigration. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Colby-George, J., Bell, K.P. (2014). *Presentation - Learning from landowners to improve collaborative land use planning*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Capps, K. (2013). *Presentation - Looking to the Future - Supporting Maine's R&D Capacity through STEM Workforce Development, Technology, and Communicating Science*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bell, K.P. (2013). *Presentation - Messi landscapes: interactions among urbanization, forest ecosystem management, and climate change*. Dept. of Forestry and Wildlife Ecology, University of Wisconsin-Madison. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Jain, S., Dhakal, N. (2013). *Presentation - Mixed extreme hydrometeorological distributions in a changing climate*. International Short Conference on Advances in Extreme Value Analysis and Application to Natural Hazards. Siegen, Germany. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Herrera, G. (2013). *Presentation - Modeling Connections Between Maine's Rivers & Nearshore Marine"; part of session entitled "Androscoggin River, Part of a Larger World"*. Androscoggin River Watershed Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silka, L. (2014). *Presentation - New Frontiers for Partnerships Across Citizen Science and Community-Based Participatory Research*. International Community-Campus Partnerships for Health Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Kim, Y. (2014). *Presentation - On the Border: Assessing Landscape Sustainability at the Boundaries within Urban Regions*. Urban Affairs Association 44th Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bell, K.P. (2013). *Presentation - On the road to solutions: Maine's sustainability solutions initiative*. George Perkins Marsh Institute and Department of Economics. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silka, L. (2013). *Presentation - Overcoming Obstacles Together: Creating a New Future for Research Partnerships, University of Massachusetts Medical School*. University of Massachusetts Medical School. University of Massachusetts. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hutchins, K., Silka, L., Lindenfeld, L.A., Leahy, J., Bell, K.P. (2014). *Presentation - Perceptions of Justice in Community-University Partnerships: Implications for Knowledge Co-Production*. Eastern Communication Association 105th Annual Convention. Providence, RI. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hutchins, K. (2014). *Presentation - Planning a Future for Maine's Alewife Fisheries: Outreach and Interviews with*

Local Stakeholders. Maine's Fisherman's Forum. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Quartuch, M. (2014). *Presentation - Predicting behavioral intentions through place attachment and stewardship responsibility*. International Symposium for Society and Resources Management. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Livingston, W., Lorion, K. (2013). *Presentation - Predicting high quality sites of black ash (Fraxinus nigra) across Maine and northern New York: An approach to prioritizing preparedness and management of emerald ash borer..* North Central Forest Pest Workshop. Frontenac, MN. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silver, E. (2013). *Presentation - Private woodland owners timber harvesting behavior: The missing link between stated attitudes and actual behaviors*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silver, E. (2013). *Presentation - Private woodland owners timber harvesting behavior: The missing link between stated attitudes and actual behaviors*. Society of American Foresters National Convention. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Morehead, S. (2013). *Presentation - Psychological Distance as a Unifying Construct in Interdisciplinary Choice Models*. SABE/IAREP International Conference on Behavioral Economics. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Colby-George, J. (2013). *Presentation - Public Participation GIS-Where do we go from here?.* GIS Pro 2013. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Zydlewski, G.B. (2013). *Presentation - Quantifying nearfield and farfield effects of the ORPC turbine on fishes of Cobscook Bay*. 2nd International Marine Energy International Symposium. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McCourt, M. (2013). *Presentation - Rangeley Ways of Taking Care: Cultural Sustainability in Northern Maine*. Annual Meeting of American Folklore Society. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McCourt, M. (2013). *Presentation - Rangeley Ways of Taking Care: Using Web Maps and Mobile Apps for Stewarding Rangeley's Resources*. Rangeley Region Guides and Sportsmens Association. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Kim, Y. (2014). *Presentation - Residential Developer Preferences and Sustainability: Attitudes Toward Location, Design, and Environmental Innovation*. Association of American Geographers Meeting. Tampa, FL. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Vieser, J. (2013). *Presentation - Response of Cobscook Bay fishes to an anomalously warm year, 2012*. Annual meeting of the Regional Association for Research in the Gulf of Maine. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bevier, C. (2014). *Presentation - Restoring the Shore: 2013 LakeSmart Results*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Ranco, D. (2014). *Presentation - Risk Assessment and Native Americans at the Cultural Crossroads*. Johns Hopkins Symposium on American Indian Health. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Wilson, K.A., Willis, T., Lichter, J., Johnson, B., Lewis, L., Herrera, G., Johnson, E., Camill, P., Ames, E. (2013). *Presentation - River Herring As Indicators of Socio-Ecological Recovery in a North Temperate River-to-Marine Complex*. 143rd American Fisheries Society Annual Meeting. Little Rock, Ak. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Wilson, K.A., Willis, T., Lichter, J., Johnson, B., Lewis, L., Herrera, G., Johnson, E., Camill, P., Ames, E. (2013). *Presentation - River Herring As Indicators of Socio-Ecological Recovery in a North Temperate River-to-*

Marine Complex. American Fisheries Society Annual Meeting. Little Rock, Ak. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Willis, T. (2013). *Presentation - Running the gauntlet: Smallmouth bass predation on river herring in the Kennebec and Androscoggin River systems*. 39th Annual Meeting of the Atlantic International Chapter. Winter Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Peckenham, J. (2013). *Presentation - Safe Water is a global issue: water ethics from hometown to global commons..* ESTIA ECO-Peace Water Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Jain, S. (2014). *Presentation - Scales of sustainability solutions: Case studies and prospects for generalizations*. Association of American Geographers' Annual Meeting. Tampa, FL. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGreavy, B. (2013). *Presentation - Science Communication: learning through SSI*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bell, K.P. (2013). *Presentation - Science to link knowledge with actions: Maine's Sustainability Solutions Initiative, Plenary Address*. 23rd National NSF EPSCoR Conference. Nashville, TN. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hunter, M. (2014). *Presentation - Should we actively assist tree species to shift their geographic ranges in response to climate change?*. Forest Guild National Meeting. Burlington, VT. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Boone, Stabach, Worden, Reid, Lilieholm, Said (2013). *Presentation - Simulated Restoration of Wildebeest Migratory Pathways in the Athi-Kaputiei Plains of Kenya..* 5th World Conference on Ecological Restoration. Madison, WI. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Feurt, C. (2014). *Presentation - Sustaining the Saco "" The Power of Collaboration from the Headwaters to the Sea*. Saco River Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGreavy, B., Lindenfeld, L.A., Silka, L. (2013). *Presentation - Tell me about the bus trip: a heuristic for evaluating the rigor of engaged communication research*. National Communication Association. Washington, DC. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Barton, D. (2013). *Presentation - The Changing Nature of the Maine Woods*. Mahoosuc Land Trust, Annual Meeting. Bethel, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Waring, T. (2014). *Presentation - The Coevolution of Institutions and Sustainable Practices*. Unity College Seminar Series. Unity College. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGill, B. (2013). *Presentation - The Gause-Liebig law - a new biogeographic law?*. International Biogeography Society. Montreal, Canada. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Meyer, S. (2014). *Presentation - The Maine Futures Community Mapper: A Free Conservation Planning Tool for Land Trusts, Community Planners, and Landowners*. Maine Land Conservation Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Meyer, S.R., Engle, S., Johnson, M.L., Lilieholm, R.J., Cronan, C.S. (2013). *Presentation - The Maine Futures Community Mapper: Applied Alternative Futures Modeling*. Maine EPSCoR State Conference. Orono, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McCourt, M. (2013). *Presentation - The Pros and Cons of Web Maps for Asset-Based Community Development*. Franklin County Asset Mapping Project Idea Event. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lamanna, C.A., Blonder, B., Violle, C., Enquist, B.J. (2013). *Presentation - The latitudinal gradient of functional diversity*. Ecological Society of America Conference. Minneapolis, MN. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Cline, B. (2013). *Presentation - The leap from amphibian to avian ecology is more contemporary than fossils: What juvenile froglets can reveal about principles in dispersal and movement ecology*. Oregon State University, Department of Fisheries and Wildlife. Oregon. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGill, B. (2014). *Presentation - The state of the art in functional traits*. AIMS. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Noblet, C. (2014). *Presentation - Thinking Past, Thinking Future: An Empirical Test of the Effects of Retrospective Assessment on Future Preferences*. Western Economics Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Daigle, J.J., Ranco, D. (2013). *Presentation - Traditional Ecological Knowledges: Issues of Application and Adaptation. The Power of People and Place in an Age of Global Climate Change. The Indigenous Peoples*. Climate Change Working Group. Dartmouth College, NH. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Morgan, P. (2014). *Presentation - Transport Regimes of the Common Reed, Phragmites australis, in the Saco River estuary, ME*. Maine Association of Wetland Scientists Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Buckley, D. (2014). *Presentation - Understanding Intra- Lake Temperature Variability and Heat Flux; How Technology is changing what We Observe and Understand*. Maine Water & Sustainability Conference. Augusta, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, K. (2014). *Presentation - Unisexual Salamanders: Maine's Amphibian Enigma*. Tin Mountain Conservation. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Willis., T. (2013). *Presentation - Using acoustic telemetry to enhance understanding of alewife out-migration behavior*. 39th Annual Meeting of the Atlantic International Chapter. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Teisl, J.F., McCoy, S., Marrinan, S., Noblet, C., Johnson, T., Wibberly, M., Roper, R., Klein, S. (2014). *Presentation - Will offshore energy face fair winds and following seas?: Understanding what influences offshore wind acceptance*. Maine Economics Conference. Bates College, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Stancioff, E. (2014). *Presentation - Working Toward Resilience*. Maine Sea Grant Research Biennial Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Feurt, C. (2013). *Presentation - Working in Watersheds to Understand What Communities Value*. Maine Beaches Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Latty, E. (2013). *Presentations - Effects of hemlock logging on forest properties in hemlock-dominated stands free of hemlock woolly adelgid*. Ecological Society of America Annual Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Bell, K.P, Smith, H., Butts, K., Lincoln, R., Smith, A.E. (2013). *Pressing the issue: effects of news media on well water testing behavior in Maine*. National Conference on Health Communication, Marketing, and Media. Atlanta, GA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Silver, Emily (2014). *Private woodland owners timber harvesting behavior: The missing link between stated attitudes and actual behaviors..* Society of American Foresters National Convention. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Haggerty, Mark (2014). *Promoting Honors Undergraduate Research*. National Collegiate Honors Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Johnson, Teresa (2014). *Reclaiming the commons through catch shares*. Society for Applied Anthropology. . Status = ACCEPTED; Acknowledgement of Federal Support = No

McGreavy, Bridie (2014). *Resilience as discourse: An archaeology of boundaries among the social and ecological*. Rhetoric Society of American. San Antonio, TX. Status = ACCEPTED; Acknowledgement of Federal Support = No

Feurt, Christine (2014). *Resilience is the New Sustainability: Implications for Science, Practice and Policy Special Symposium of the New England Estuarine Research Society on Climate Change and Community Resilience*. New England Estuarine Research Society Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Silver, Emily (2014). *Risk perception and relevance of timber harvesting for private woodland owners: A qualitative examination*. New England Society for American Foresters Meeting. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Silver, Emily (2014). *Risk perception and relevance of timber harvesting for private woodland owners: A qualitative examination*. International Symposium on Society and Natural Resources. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Lilieholm, Robert (2014). *Scenarios to Solutions: Alternative Futures Modeling across Two Maine Watersheds*. Society for Human Ecology Annual Meeting. Bar Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = No

Johnson, Teresa (2014). *Social Resilience in Small-scale Fishing Communities: An Emphasis on Perceptions and Practice*. The Society for Human Ecology. Bar Harbor, ME. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGill, Brian (2014). *Socio-Environmental Synthesis Research Proposal Writing*. SENSYNC. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Wilson, Karen (2014). *Spatial and Temporal Distribution of River Herring in the Nearshore Gulf of Maine: 2001-2013*. American Fisheries Society 144th Annual Meeting,. Quebec City, Quebec, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Daigle, John (2014). *Storytelling and Environmental Changes/Panel on cultural and food security presented at the First Stewards Symposium, United Indigenous Voices Address Sustainability: Climate Change and Traditional Places*. First Stewards Symposium. Washington, DC. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Feurt, Christine (2014). *Sustaining Coastal Landscapes and Community Benefits Invited presentation to NOAA Leadership and Ecosystem Services Valuation Committee*. Presentation of Ecosystem Service Valuation Project to NOAA Leadership. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Buckley, Daniel (2013). *Techniques for Citizen Monitoring of Shorelines and Water Quality*. New Brunswick Lake Conference. Fredericton, NB. Status = ACCEPTED; Acknowledgement of Federal Support = No

Barton, Drew (2014). *The Changing Nature of the Maine Woods*. Maine Woods Forever Roundtable. Unity, Maine. Status = ACCEPTED; Acknowledgement of Federal Support = No

Waring, Tim (2014). *The Cultural Multilevel Selection Framework for Sustainability Science: prospects for theory and applicaiton*. Society for Human Ecology 20th annual conference. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Fleming, James (2013). *The Emergency of Atmospheric Science*. Sigma XI. Meadville, PA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Wilson, Karen (2014). *The Kennebec River Fish Restoration Project: Success for River Herring*. American Fisheries Society 144th Annual Meeting. Quebec City, Quebec, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Spencer Meyer, Stephen Engle, Michelle Johnson (2014). *The Maine Futures Community Mapper: A Free Conservation Planning Tool*. Maine Land Conservation Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Byron, Carrie (2014). *The Saco River Estuary food web*. The Saco Science Symposium. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Wilson, Karen (2014). *There and Back Again: Can River Herring Reassume Their Traditional Ecological Role after Near Local Extinction?*. American Fisheries Society 144th Annual Meeting. Quebec City, Quebec, CA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Camill, Phil (2014). *There and back again: Can river herring reassume their traditional ecological role after near local extinction*. American Fisheries Society. Quebec city, QC.. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Feurt, Christine (2014). *Thinking about Justice and Climate Adaptation Relevance to Work in Communities Developing Next Steps for Action*. Fair and Just Adaptation to Climate Change and Flooding A Workshop for Environmentalists, Policy Makers and Members of the African American Community on Maryland's Eastern Shore. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Morgan, Pam (2014). *Tidal marshes of the Saco*. The Saco Science Symposium. Biddeford, ME. Status = ACCEPTED; Acknowledgement of Federal Support = No

Owen, D. (2013). *Trading Dams*. Seminar at Bates College. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Owen, Dave (2014). *Trading Dams*. University of Denver Law School. Denver, CO. Status = ACCEPTED; Acknowledgement of Federal Support = No

Owen, Dave (2014). *Trading Dams*. University of San Diego School of Law. San Diego, CA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Owen, Dave (2013). *Trading Dams*. Vermont Law School Environmental Law Colloquium. Vermont. Status = ACCEPTED; Acknowledgement of Federal Support = No

Owen, Dave (2014). *Trading Dams*. Harvard/Stanford/Yale Junior Faculty Forum. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hoffmann, K. (2014). *Variation in Direction of Immigrating Breeding Amphibians into Vernal Pools in Maine*. Annual Northeast Fish and Wildlife Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Wilson, Karen (2014). *Variation in Freshwater and Estuary Use By Blueback Herring during the First Year of Growth*. American Fisheries Society 144th Annual Meeting. Quebec City, Quebec, CA. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

McGill, Brian (2014). *Variation in population dynamics across a species range - good bet hedging populations have highest average abundance*. Ecological Society of America. . Status = ACCEPTED; Acknowledgement of Federal Support = No

Morgan, Pam (2014). *We're all in the same boat! Estuarine research and stakeholder engagement to sustain the Saco Estuary, Maine*. New England Estuarine Research Society. Salem, MA. Status = ACCEPTED; Acknowledgement of Federal Support = No

Hunter, Malcom (2014). *What is the importance of conserving old forests?*. Permanent Land Conservation and Sustainable Timber Harvesting: The Role of Land Trusts and Current Best Science Practices. Holden, ME. Status = ACCEPTED; Acknowledgement of Federal Support = No

Silka, Linda (2014). *Workshop on Policy Making*. American Psychological Association. Portland, OR. Status = ACCEPTED; Acknowledgement of Federal Support = No

Perry, A., Lamanna, C., McDough MacKenzie, C., Miller-Rushing, A. (2014). *poster - Functional diversity of Acadia National Park's resilient and extirpated flora*. Northeast Natural History Conference. . Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Inventions

Journals

Anderson, M., Teisl, M., Noblet, C., Klein, S. (). The Incompatibility of Benefit-cost Analysis with Sustainability Science. *Sustainability Science*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Barajas, M.F., T.V. Willis, K.A Wilson (2015). Exploring hypotheses on Marine Ecology Progress Series. *Marine Ecology Progress Series*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Beitl, Christine M. (2014). Mobility in the Mangroves: Catch Rates, Daily Decisions and Dynamics of Artisanal Fishing in a Coastal Commons. *Applied Geography*. . Status = UNDER_REVIEW; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Beyene, M.T., Jain, S. (2014). Winter weather-climate variability and its links to early ice breakup dates in Maine lakes. *Journal of Climate*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Calhoun, A., Jansujwicz, J., Hunter Jr, M., Bell, K. (2014). Evolving approaches to conserving small wetlands on private lands in the face of uncertainty. *National Academy of Science*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Calhoun, A.J.K., Arrigoni, J., Brooks, R.P., Hunter Jr, M.L., Richter, S.C. (). Building vernal pools: a literature review. *Wetlands*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Calhoun, A.J.K., Jansujwicz, J.S., Hunter Jr, M.L., Bell, K.P. (2014). Improving management of small natural resources on private lands by negotiating the science-policy boundary. *National Academy of Science*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Cao, J., Truesdell, S., Chen, Y. (2014). Impacts of stock mixing arising from seasonal migration on the assessment of Atlantic cod in the Gulf of Maine. *ICES Journal of Marine Sciences*. . Status = PUBLISHED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Capps, K.A., Berven, K., Tiegs, S. (2014). Modeling nutrient transport and transformation by pool-breeding amphibians in forested landscapes using a 21 year data set. *Freshwater Biology*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Capps, K.A., R. Rancatti, N. Tomczyk, T. Parr, A. Calhoun, and M.L. Hunter, Jr. (2014). Biogeochemical hotspots in forested landscapes: The role of vernal pools in denitrification and organic matter processing.. *Ecosystems*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Cline, B.B. and M.L. Hunter, Jr. (2014). Different open-canopy vegetation types affect matrix permeability for a dispensing forest amphibian. *Journal of Applied Ecology*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI:

Cline, B.B. and M.L. Hunter, Jr. (2014). Juvenile amphibians discriminate among open-canopy habitats: An experimental investigation of habitat permeability.. *Journal of Applied Ecology*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Cline, B.B. and M.L. Hunter, Jr. (). Initial dispersal orientation of juvenile wood frogs (*Lithobates sylvaticus*) along silvicultural edges in heavy partial harvests. *Forest Science*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Cline, B.B., and M.L. Hunter, Jr. (). Movement in the matrix: Substrates and distance to forest edge affect amphibian dispersal. *Ecological Applications*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Cline, B.B., Hunter Jr., M.L. (2014). Heavy partial harvests and the initial movements of a dispersing forest amphibian in the Acadian forest of Maine, USA. *Forest Ecology and Management*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Colgan, C., Hunter Jr, M.L., McGill, B., Weiskittel, A. (2014). Managing the middle ground: Forests in the transition zone between cities and remote areas. *Landscape Ecology*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Colgan, C., McGill, B., Hunter, M.L., and Weiskittel, A. (2014). Managing the middle ground: Forests in the transition zone between cities and remote areas. *Landscape Ecology*. 29 1133. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Cosley, B., McCoy, S.K., Gardner, S. (2014). Collaborative voice: Examining the role of voice in interdisciplinary collaboration. *Journal of Applied Psychology (In Press)*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Cosley, B.J., McCoy, S.K., Gardner, S.K. (2014). Collaborative voice: Examining the role of voice in interdisciplinary collaboration. *International Journal of Organizational Theory and Behavior*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Dailey, A., Kim, Y. (). The link between land-cover and water quality in the Presumpscot basin. *Landscape and Urban Planning*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Dalby, Larsi, McGill, BrianJ.; Fox, AnthonyDavid; Svenning, Jen's Christian (2014). Seasonality drives global scale diversity patterns in waterfowl (Anseriformes) via temporal niche exploration. *Global Ecology and Biogeography*. 550. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

DeLauer, V., A. Rosenberg, N. Popp, D. Hiley, Feurt, C. (2014). The Complexity of the Practice of Ecosystem-Based Management. *Integral Review, A Transdisciplinary and Transcultural Journal for New Thought, Research and Praxis*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Domelas, Maria, Nicholas J Gotelli, Brian McGill, Ann E. Magurran (2014). Overlooked local biodiversity loss, response. *Science*. 1098. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Domelas, Maria; Nicholas J Gotelli; Brian, McGill, Hideyasu Shimadzu; Faye Moyes; Caya Sievers; Anne E. Magurran (2014). Assemblage Time Series Reveal Biodiversity Change but not Systematic Loss. *Science*. 296. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Fingerut, Fonseca, Hart (2013). Responses of benthic stream invertebrates to natural and experimental floods.. *Freshwater Science*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Gardner, S.K. (2014). Bridging the divide: Tensions between the biophysical and social sciences in an interdisciplinary sustainability science project. *Ecology and Society*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Glover, R., Silka, L. (). Choice, Power, and Perspective. *Gateways: International Journal of Community Research and Engagement*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Goff, Sandra H., Noblet, Caroline, L., and Waring, Timothy (2014). The effect of market attitudes on proecological worldviews. *Journal of Economic Psychology*. . Status = UNDER_REVIEW; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Hall, D.H., Bell, K.P., Lindenfeld, L., Johnson, T., Ranco, D. (2014). Strengthening the Role of Universities in Addressing Sustainability Challenges: The Sustainability Solutions Initiative as an Institutional Experiment. *Ecology and Society*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Henry, A., Johnson, T.R. (). Understanding Social Resilience: Lessons from the Maine Lobster Industry. *Marine and Coastal Fisheries*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Hunter, J.L. Jr., Redford, K.H., Lindenmayer, D.B. (2014). There's enough to do without quarreling: The complementary niches of anthropocentric and biocentric conservationists. *Conservation Biology*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Janssen, M., Lee, A., and Waring, T.M. (2014). Experimental platforms for commons experiments. *Ecology and Society*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Jansujwicz, J.S., Johnson, T.R. (2014). The Maine Tidal Power Initiative: Transdisciplinary sustainability science research for the responsible development of tidal power. *Sustainability Science*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI:

Johnson, M.L., S.R. Meyer, R.J. Lilieholm, and C.S. Cronan (2014). Development and Application of a Patch-Scale Bayesian Network - Cellular Automata Model for Exploratory Land Use Scenarios at a Regional Extent. *Land Use and Regional Planning*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Johnson, T.R., Henry, A., Thompson, C. (2014). Identifying Qualitative Indicators of Social Resilience in Small-scale Fishing Communities: An Emphasis on Perceptions and Practice.. *Human Ecology Review*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Johnson, T.R., Henry, A.M., Thompson, C. (2014). Qualitative indicators of social resilience: An emphasis on perceptions and practice. *Human Ecology Review*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Kan, C.H., V. Douhovnikoff, and J. Lichter (2014). Regional genetic population structures and assessment of morphological identification in *Alosa aestivalis* and *A. pseudoharengus*. *Fisheries Research*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Kim, Y. (2014). Developer Preferences and Sustainability: Attitudes toward Location, Trend, and Innovation. *Urban Geography*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Kim, Y., Yakovleff, D. (2014). Spatial Mismatch of housing: Difference between Preferences and Choices. *Journal of Housing and the Built Environment*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Kim, Y., Yakovleff, D. (2014). What are people looking for in their downtown?: An analysis of residential location decision factors using expert judgment. *Property Management*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Latty, E.F., A. Amett, A. Remsburg, and K. Dunckel (2014). Changes to vegetation patterns in hemlock dominated forests following selective hemlock logging. *The Journal of the Torrey Botanical Society*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Lazarus, Elijah; Brian McGill (2014). Pushing the pace of tree species migration. *PLoS One*. . Status = ACCEPTED;

Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Lindenfeld, L., Smith, H., Norton, T. (2014). Risk Communication & Sustainability Science: Lessons from the Field. *Sustainability Science*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Lubelczyk C., Elias S. P., Smith L. P., Lichtenwalner A., Hoenig D., McEvoy E. O., Renell M. R., Milligan P. W., Sullivan K., Walsh M., Mutebi J., and Smith R. P. (2014). Prevalence of Eastern Equine Encephalitis virus (EEEV) in Maine Gamebirds. *J. Wildlife Diseases*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Lyons, P., Leahy, J.E., Lindenfeld, L., Silka, L. (2014). Knowledge to Action: Implicit Knowledge Production Models Held Among Forest Science Researchers. *Society and Natural Resources*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes ; DOI: 10.1080/08941920.2013.861552

Marciano, J.A., Lilieholm, R.J., Teisl, M.F., Leahy, J. (2014). Factors Affecting Public Support for Forest-based Biorefineries: A Comparison of Mill Towns and the General Public in Maine.. *Energy Policy*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

McGreavy, B. (2013). Resilience as discourse: breaking down the box. *Environmental Communication: A Journal of Nature and Culture*. . Status = PUBLISHED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

McGreavy, B., Hutchins, K., Smith, H., Lindenfeld, L., Silka, L. (2014). Sustainability, Boundaries, and Communication: Addressing context, strategies, and the complexities of coproduction. *Sustainability*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

McGreavy, B., Lindenfeld, L. (2014). Entertaining our way to engagement? Climate change films and sustainable development values. *International Journal of Sustainable Development*. 17 (2), . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

McGreavy, B., Lindenfeld, L., Hutchins, K., Silka, L., Leahy, J., Zoellick, W. (2014). Improving the application of science and democratic engagement: communication in teams as complex systems. *Ecology and Society*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

McGreavy, B., Lindenfeld, L., Hutchins, K., Silka, L., Zoellick, W. (). Resilience in Collaboration: Interdisciplinarity and Stakeholder Engagement in a Sustainability Science Program. *Ecology and Society*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

McGreavy, B., Silka, L., Lindenfeld, I. (2014). Interdisciplinarity and actionable science: exploring the generative potential in difference. *Journal of Community Practice*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Meyer, S.R., Cronan, C.S., Lilieholm, R.J., Johnson, M.L., Foster, D.R. (2013). Using the Historical Roots of Land Conservation in Northern New England to Derive Alternative Future Scenarios of Landscape Conservation. *Conservation Biology*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Meyer, S.R., Cronan, C.S., Lilieholm, R.J., Johnson, M.L., Foster, D.R. (2014). Land conservation in northern New England: historic trends and alternative conservation futures. *Biological Conservation*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Meyer, S.R., Johnson, M.L., Lilieholm, R.J., Cronan, C.S. (2013). Development of a stakeholder-driven spatial modeling framework for strategic landscape planning using Bayesian networks across two urban-rural gradients in Maine, USA. *Ecological Modelling*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Meyer, S.R., Levesque, V., McGreavy, B., Johnson, M.L., Hutchins, K., Dreyer, S., Smith, H. (). Graduate Students as Boundary Spanners: Training Scientists to meet the Challenges of Sustainability Science. *Bioscience*. . Status =

SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Meyer, S.R., M.K. Beard, C.S. Cronan, and R.J. Lilieholm (2014). An Analysis of Spatio-Temporal Landscape Patterns for Protected Areas in Northern New England: 1900-2010.. *Landscape Ecology*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Millett, C. P., and J. Lichter (2014). Aquatic habitat use by American eel (*Anguilla rostrata*) in a freshwater tidal ecosystem in mid-coast Maine.. *Northeastern Naturalist*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Morzillo, A., Colocousis, C., Munroe, D., Bell, K.P., et al. (2014). Forests in the Middle: Interactions between drivers of change and place-based characteristics in rural forest communities. *Northeastern Naturalist*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Morzillo, A., Colocousis, C., Munroe, D., Bell, Lechowicz, M., K.P., Martinuzzi, S., McGill, B., D. Van Berkel. (2014). Rural forested communities in transition. *PNAS*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Nirajan Dhakal, Shaleen Jain, Alexander Gray, Michael Dandy, and Esperanza Stancioff (2014). Nonstationarity in seasonality of extreme precipitation: A nonparametric circular statistical approach and its application. *Water Resources Research*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Noblet, Caroline L., Anderson, Mark W. and Teisl, Mario F. (2014). Thinking Past, Thinking Future: An Empirical Test of the Effects of Retrospective Assessment on Future Preferences. *Ecological Economics*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Noblet, Caroline L., Marrinan, Sarah, Teisl, Mario F, Cheng, Hsiang-Tai (2014). The role of Place Experience in wind energy choice: A study of deep-water offshore and land-based wind acceptance. *Energy Policy*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Ohno, T., Parr, T.B., Gruselle, M.C., Fernandez, I.J., Sleighter, R.L., Hatcher, P. (2014). Forest Soil Depth and Habitat Effects on Spodosol B Horizon Organic Matter Composition and Biodegradability. *Environmental Science and Technology*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Owen, Dave and Noblet, Caroline L. (2014). Interdisciplinary Research and Environmental Law. *Ecology Law Quarterly*. . Status = PUBLISHED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Owen, O., Noblet, C. (). Interdisciplinary Research and Environmental Law. *Ecology Law Quarterly*. 41 . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Parmentier, Benoit; Brian McGill, Adam M. Wilson, James Regetz, Walter Jetz, Robert Guralnick, Mao-Ning Tuanmu, Natalie Robinson, Mark Schildhauer (2014). An assessment of methods and remotely sensed covariates for regional predictions of 1 km daily maximum air temperature. *Remote Sensing*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Parr, T.B., Cronan, C.S., Ohnno, T., Findlay, S.E.G., Simon, K.S. (2014). Urbanization from the bottom up: increasing bioavailable dissolved organic matter in headwater streams. *Ecological Applications*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Parr, T.B., Ohno, T., Cronan, C.S., Simon, K.S. (2014). ComPARAFAC: a library and tools for rapid and quantitative comparison of dissolved organic matter components resolved by Parallel Factor Analysis.. *Limnology and Oceanography: Methods*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Parr, TB, Cronan, CS, Findlay, SEG, Ohno, T, Simon, KS. (2014). Urbanization changes Dissolved organic matter fluorescence. *Limnology and Oceanography*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ;

Peer Reviewed = No

Peckenham, J., Ashtankar, T. (2013). A Decision-Support Tool to Build Water Supply Capacity: Methodological Development. *Journal New England Water Works Association*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Peckenham, J.M., Peckenham, S. (2013). Assessment of Quality for Student Generated Water Data. *American Water Resources Association*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Richerson, Waring, et. al (). A sketch of the evidence for selection on inter-group cultural variation in humans. *Brain and Behavioral Sciences*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Ryan, K., A. Calhoun, and J. Zydlewski (2014). Using Passive Integrated Transponder (PIT) Systems for Terrestrial Detection of Blue-Spotted Salamanders (*Ambystoma laterale*) in situ.. *Herpetological Conservation and Biology*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Ryan, K., Calhoun, A.J.K. (2014). Post-breeding habitat use of the rare pure-diploid blue-spotted salamander (*Ambystoma laterale*). *Journal of Herpetology*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Senier, Siobhan, Anthony Lioi, Mary Kate Ryan, Pavithra Vasudevan, Angel Nieves, Darren Ranco and Courtney Marshall (2014). The Resilience of Race: A Cultural Sustainability Manifesto. *Resilience: A Journal of Environmental Humanities*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Silver, E.J., Leahy, J.E., Kittredge, D.B., Noblet, C.L., Weiskittel, A.W (2014). An evidence-based review of timber harvesting behavior among personal woodland owners. *Journal of Forestry*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Smith, H., Lindenfeld, L. (2014). Integrating media studies of climate change into interdisciplinary research. Which direction should we be heading?. *A Journal of Nature and Culture*. . Status = PUBLISHED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Smith, H., Suldoovsky, B., Lindenfeld, L. (). Science & Policy: The Role of Context and Audience. *Science Communication*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Smith, S.M.C., Wilcock, P.R. (). Patterns of sediment supply and storage within Piedmont uplands.. *Journal of Hydrology*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Smith, S.M.C., Wilcock, P.R. (). Upland Sediment Supply and its Relation to Watershed Sediment Delivery in the Contemporary Mid-Atlantic Piedmont (U.S.A.). *Geomorphology*.. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Stelzer, R.S., Scott, J.T., Bartsch, L.A., Parr, T.B. (2014). Particulate organic matter quality influences nitrate retention and denitrification in stream sediments: evidence from a carbon burial experiment. *Biogeochemistry*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Stormer, N., McGreavy, B. (2014). Rhetoric and Materiality: Capacity, Vulnerability, and resilience. *Quarterly Journal of Speech*. . Status = PUBLISHED; Acknowledgment of Federal Support = No ; Peer Reviewed = No

Tessema, M.E., Lilieholm, R.J., Blahna, D.J., Kruge, L.E. (2014). Community Resource-use Linkages in Southeast and Southcentral Alaska.. *Society and Natural Resources*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Testa, J.M., Brady, D.C., Di Toro, D.M., Boynton, W.R., Cornwell, J.C., Kemp, W.M. (2013). Sediment Flux Modeling: Simulating nitrogen, phosphorus, and silica cycles. *Estuarine, Coastal and Shelf Science*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes ; DOI: 10.1016/j.ecss.2013.06.014

Truesdell, S., Kelley, K., Chen, Y. (). A blueprint for rapid assessment of small scale, intermittently fished populations with limited prior information. *Journal of Shellfish*. . Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Vanderlugt, B., Bell, K.P., Leahy, J., Teisl, M. (2014). Economic analysis of heterogeneity in land management. *Agricultural and Resource Economics Review*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Waldman, J., K. Wilson, M. Mather, N. Snyder (). Can Resilience Theory Help Guide Restoration of Anadromous Fishes?. *Fisheries*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Wang, X., Chen, Y., Truesdall, S., Xu, L., Cao, J., Guan, W. (2014). The large-scale deployment of fish aggregation devices alters environmentally-based migratory behavior of skipjack tuna in the western Pacific Ocean. *PLOS ONE*. . Status = PUBLISHED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Waring, T., Goff, S.H., McGuire, J., Moore, Z.D., Sullivan, A. (2014). Cooperation across Organizational Boundaries: Experimental Evidence from a Major Sustainability Science Project. *Sustainability*. . Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Waring, T., Teisl, M., Manandhar, E., and Anderson, M. (2014). Measuring the Carbon Footprint of Sustainability Science Research. *Sustainability*. 6 2718. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Waring, T., Teisl, M., Manandhar, E., Anderson, M. (). Measuring the Carbon Footprint of Sustainability Science Research. *Local Environment*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = No

Waring, T. (). A Meta-Analysis of Coupled Systems Research. *Sustainability Science*. . Status = ACCEPTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Waring, T.M., Brooks., J.B., Goff, S.H., Gowdy, J., Jacquet, J., Janssen., M., Kline, M., & Smaldino P.E., (2014). A Multi-level evolutionary framework for social-ecological systems change. *Ecology and Society*. . Status = SUBMITTED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Waring, T.M., Goff, S.H. (2013). Coordination, Cooperation and the Ontogeny of Group-Level Traits. *Behavioral and Brain Sciences*. . Status = PUBLISHED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Waring, T.M., Smaldino, P.E. (2013). Let the Social Sciences Evolve. *Behavioral and Brain Sciences*. . Status = ACCEPTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Waring, T.M., Teisl, M., Manandhar, E. & Anderson, M. (2014). On the Travel Emissions of Sustainability Science Research. *Sustainability*. 2718. Status = PUBLISHED; Acknowledgment of Federal Support = Yes ; Peer Reviewed = Yes

Zhang, Q., Brady, D.C., Ball, W.P. (2013). Long-term seasonal trends of nitrogen, phosphorus, and suspended sediment load from the non-tidal Susquehanna River Basin to Chesapeake Bay. *Science of the Total Environment*. 452-453 208. Status = SUBMITTED; Acknowledgment of Federal Support = No ; Peer Reviewed = Yes

Licenses

Other Products

Other Publications

Lilieholm, Robert (2014). *Bay to Baxter: As the River changes, so must we*. Editorial in the Bangor Daily News. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Citizen Science Sends Research in New Directions*. Senator George J. Mitchell Center for

Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Colby Team Builds Sustainability Coalition in Belgrade Lakes Region*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Collaborative Project Tackles Problems of Closed Shellfish Flats*. Senator George J. Mitchell Center for Sustainability Solutions online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Communities Invested in River Restoration*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Despite Critiques, Environmental Law Scholars Support Interdisciplinary Research*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Forest Certification Under the Microscope*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Nagle, M. (2014). *Future Scapes*. UMaine Today. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Harvard's William Clark Hails Sustainability Science as a Key to Long-Term Local, Global Well-Being*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Improved Fish Advisory for Pregnant Women*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Chief, K., Daigle, J., Lynn, K., Whyte, K.P. (). *Indigenous Experiences in the U.S. with Climate Change and Environmental Stewardship in the Anthropocene*. U.S.D.A. Forest Service: Rocky Mountain Research Station. Status = ACCEPTED; Acknowledgement of Federal Support = No

Field, T. (2014). *Local Foods a Priority for Mainers*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Mitchell Center Graduate Accepts New Position at Dartmouth*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *New Digital Tool Helps Update Urban Planning Process*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Hutchins, K. (2013). *Non-Point Source Pollution Communication Intercept Survey Technical Report: Interlocal Stormwater Working Group*. Technical Report. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Hutchins, K. (2013). *Planning a Future for Maine's Alewife Fisheries: Outreach and interviews with Local Stakeholders*. Technical Report. Status = ACCEPTED; Acknowledgement of Federal Support = Yes

Field, T. (2014). *Researchers Find Mysterious Pathogen in Maine's Wild Turkeys*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Researchers Investigate Impact of Aging Infrastructure, Human Activities on Coastal Waters*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Researchers, Lobstermen Seek Solutions to Fish's Decline as a Team*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *SSI Grad Plans for Sustainable Future*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2010). *SSI Post-doctoral Fellow Christine Lamanna Tackles Disappearing Plants Mystery*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Morgan, P. (). *Saco Estuary Status Report*. Tech Report. Status = ACCEPTED; Acknowledgement of Federal Support = No

Field, T. (2014). *Scholarly Article: Vernal Pools Conservation Calls for Diverse Perspectives*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Some Landowners Embrace Sustainability, Some Don't- SSI Examines Why..* Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Student Finding: State Legislators Want to Interact with Scientists*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Student Researcher Hits the Depths with Lobstermen; Says They Teach Each Other*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Students Learn Lessons in Sustainability at Water Festival*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Students from Around the World Study Land Use in the Penobscot Watershed*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Sustainability Science in Action: Can Citizens Help Manage Herring Fisheries?*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article. Status = PUBLISHED; Acknowledgement of Federal Support = No

Field, T. (2014). *Wind Turbines Unlikely to Chase Tourists Away, Research Shows*. Senator George J. Mitchell Center for Sustainability Solutions Online News Article.. Status = PUBLISHED; Acknowledgement of Federal Support = No

Patents

Technologies or Techniques

Thesis/Dissertations

Amett, A.. *Changes in Environmental Factors Associated with Logging in Hemlock Forests*. (2014). Unity College. Acknowledgement of Federal Support = Yes

Vieser, J.. *Collaborative Research on Finish, Their Distribution, and Diversity in Cobscook Bay, Maine*. (2014). University of Maine. Acknowledgement of Federal Support = No

Vanderlugt, B.. *Economic analysis of heterogeneity in land management*. (2014). University of Maine. Acknowledgement of Federal Support = No

MacLagan, S.. *Managing natural resources at the intersection of economy, ecology, and policy*. (2014). University of Maine. Acknowledgement of Federal Support = No

Websites

Participants/Organizations

What individuals have worked on the project?

Name	Most Senior Project Role	Nearest Person Month Worked
Eckardt, Michael	PD/PI	2
Hart, David	Co PD/PI	9
Nemeth, Vicki	Co PD/PI	2
Adams, Mark	Faculty	1
Amar, Francois	Faculty	1
Anderson, Mark	Faculty	1
Arnett, Amy	Faculty	2
Aumann, Herb	Faculty	1
Barton, Andrew	Faculty	1
Bass, Anna	Faculty	1
Beaty, Julia	Faculty	1
Beitl, Christine	Faculty	1
Bell, Kathleen	Faculty	1
Bennett, Chris	Faculty	1
Bevier, Catherine	Faculty	1
Bibles, Brent	Faculty	2
Brady, Damian	Faculty	1
Bruesewitz, Denise	Faculty	1
Buckley, Daniel	Faculty	1
Butler, Ron	Faculty	1
Bvrron, Carrie	Faculty	1

System, Name	Faculty	
Calhoun, Aram	Faculty	1
Camill, Phil	Faculty	1
Chen, Yong	Faculty	1
Cole, Russell	Faculty	1
Cole, Barbara	Faculty	1
Colgan, Charlie	Faculty	1
Cronan, Christopher	Faculty	1
Daigle, John	Faculty	1
Daigle, Julie	Faculty	1
Daley, Michael	Faculty	1
Daly, Julia	Faculty	1
de Urioste-Stone, Sandra	Faculty	1
Dissanayake, Sahan	Faculty	1
Donihue, Michael	Faculty	1
Dunckel, Kathleen	Faculty	2
Emanetoglu, Nuri	Faculty	1
Feurt, Christine	Faculty	2
Fleming, James	Faculty	1
Fraver, Shawn	Faculty	1
Gabe, Todd	Faculty	0
Gallandt, Eric	Faculty	0
Gardner, Susan	Faculty	0
Giudice, Nicholas	Faculty	1
Haggerty, Mark	Faculty	1

Hansen, Stephen	Faculty	1
Harper, Wendy	Faculty	1
Herrera, Guillermo	Faculty	0
Hunter, Malcolm	Faculty	1
Hutchins, Karen	Faculty	0
Jain, Shaleen	Faculty	1
Johnson, Beverly	Faculty	1
Johnson, Teresa	Faculty	1
Johnston, Jason	Faculty	0
Kartez, Jack	Faculty	1
Kim, Yuseung	Faculty	10
King, Whitney	Faculty	1
Ladenheim, Melissa	Faculty	1
Lage, Christopher	Faculty	1
Latty, Erika	Faculty	2
Leahy, Jessica	Faculty	1
Lewis, Lynne	Faculty	1
Lichter, John	Faculty	0
Lilieholm, Robert	Faculty	1
Lindenfeld, Laura	Faculty	1
Livingston, William	Faculty	1
Loftin, Cynthia	Faculty	0
MacRae, Jean	Faculty	0
Martin, John	Faculty	0

McCourt, Matthew	Faculty	1
McCoy, Shannon	Faculty	1
McGill, Brian	Faculty	10
Milligan, Peter	Faculty	1
Morgan, Pam	Faculty	1
Nadelhaft, Erica	Faculty	0
Noblet, Caroline	Faculty	1
Nyhus, Philip	Faculty	2
Olsen, Brian	Faculty	0
Owen, Dave	Faculty	1
Pavri, Firooza	Faculty	0
Perlut, Noah	Faculty	1
Plant, Andrew	Faculty	1
Ranco, Darren	Faculty	1
Reeve, Andrew	Faculty	1
Rueger, Bruce	Faculty	1
Sebold, Kimberly	Faculty	2
Segee, Bruce	Faculty	1
Seymour, Robert	Faculty	1
Silka, Linda	Faculty	1
Smith, Sean	Faculty	10
Stancioff, Esperanza	Faculty	1
Sulikowski, James	Faculty	0
Szakas, Joseph	Faculty	0

Teisl, Mario	Faculty	1
Thiagarajan, Krishna	Faculty	1
Trudel, Leo	Faculty	0
Turcotte, Catherine	Faculty	0
Vail, David	Faculty	1
Wang, Chunzeng	Faculty	2
Waring, Timothy	Faculty	10
Weiskittel, Aaron	Faculty	1
Welcomer, Stephanie	Faculty	1
Wilson, Karen	Faculty	1
Zeeman, Stephan	Faculty	1
Zydlewski, Gayle	Faculty	1
Capps, Krista	Postdoctoral (scholar, fellow or other postdoctoral position)	3
Dhakal, Nirajan	Postdoctoral (scholar, fellow or other postdoctoral position)	3
Jansujwicz, Jessica	Postdoctoral (scholar, fellow or other postdoctoral position)	3
Lamanna, Christine	Postdoctoral (scholar, fellow or other postdoctoral position)	3
Parmentier, Benoit	Postdoctoral (scholar, fellow or other postdoctoral position)	3
Straub, Crista	Postdoctoral (scholar, fellow or other postdoctoral position)	3
Urbina, Raul	Postdoctoral (scholar, fellow or other postdoctoral position)	1
Bartlett, Christopher	Other Professional	1
Bragg, Laurie	Other Professional	2

Budzinski, Colleen	Other Professional	1
Colannino, Becky	Other Professional	0
Collins, Ian	Other Professional	0
Crocker, Robin	Other Professional	1
Dacko, Kristin	Other Professional	0
England, Mary	Other Professional	0
Gaspar, Ami	Other Professional	2
Gray, Alex	Other Professional	0
Hallsworth, Ruth	Other Professional	2
Ilseman, Kelly	Other Professional	1
Kendrick, Martha	Other Professional	0
Kim, Carol	Other Professional	2
Kurtz, Alan	Other Professional	0
Littlefield, Andrea	Other Professional	2
Lolar, Kyle	Other Professional	1
May, Janet	Other Professional	0
Monreault, Marnie	Other Professional	0
Newlin, John	Other Professional	0
Peckenham, John	Other Professional	2
Raymond, Kim	Other Professional	2
Sparks, Sarah	Other Professional	1
Wilbur, Clifford	Other Professional	1
Willis, Theodore	Other Professional	1
Wilson, Laura	Other Professional	1

Wilson, Christian	Other Professional	2
Freeman, Robert	Technician	1
Goundie, Ben	Technician	1
Snell, Margaret	Technician	1
Albert, Erik	Graduate Student (research assistant)	0
Bauer, Tracey	Graduate Student (research assistant)	0
Beyene, Mussie	Graduate Student (research assistant)	1
Brend, Samantha	Graduate Student (research assistant)	1
Bryant, Christopher	Graduate Student (research assistant)	0
Carr, Lisa	Graduate Student (research assistant)	1
Cilli, Adam	Graduate Student (research assistant)	1
Cline, Brittany	Graduate Student (research assistant)	1
Colby-George, Judy	Graduate Student (research assistant)	1
Crofton-MacDonald, Joshua	Graduate Student (research assistant)	1
Dreyer, Stacia	Graduate Student (research assistant)	1
Ebel, Sarah	Graduate Student (research assistant)	2
Gerard, Brett	Graduate Student (research assistant)	1
Gibbons, James Edward	Graduate Student (research assistant)	2
Gilbreath, Sandy	Graduate Student (research assistant)	1
Goff, Sandra	Graduate Student (research assistant)	1
Greenlaw, Suzanne	Graduate Student (research assistant)	1
Groff, Luke	Graduate Student (research assistant)	1
Guan, Lisha	Graduate Student (research assistant)	0
Hamlin, Melissa	Graduate Student (research assistant)	0

Hartman, Rebecca	Graduate Student (research assistant)	0
Hiesl, Patrick	Graduate Student (research assistant)	0
Hill, Andrew	Graduate Student (research assistant)	2
Hoffmann, Kristine	Graduate Student (research assistant)	1
Homola, Jared	Graduate Student (research assistant)	0
Johnson, Eileen	Graduate Student (research assistant)	1
Johnson, Michelle	Graduate Student (research assistant)	1
Jorgensen, Bethany	Graduate Student (research assistant)	1
Larsson, Eric	Graduate Student (research assistant)	1
Levesque, Vanessa	Graduate Student (research assistant)	1
Lorion, Kara	Graduate Student (research assistant)	1
MacLagan, Stephenie	Graduate Student (research assistant)	1
Manandhar, Eva	Graduate Student (research assistant)	0
Martin, Danielle	Graduate Student (research assistant)	1
Maynard, Emily	Graduate Student (research assistant)	1
McGreavy, Bridie	Graduate Student (research assistant)	1
McGuire, Julia	Graduate Student (research assistant)	1
Mercado, Andrea	Graduate Student (research assistant)	1
Meyer, Spencer	Graduate Student (research assistant)	1
Morehead, Sarah	Graduate Student (research assistant)	1
Murphy, Michael	Graduate Student (research assistant)	0
Parr, Thomas	Graduate Student (research assistant)	1
Quartuch, Michael	Graduate Student (research assistant)	1
Rice, Emily	Graduate Student (research assistant)	1
Runnebaum, Jocelyn	Graduate Student (research assistant)	1

Sherwood, David	Graduate Student (research assistant)	1
Shrum, Jenny	Graduate Student (research assistant)	1
Silver, Emily	Graduate Student (research assistant)	1
Simon, Matt	Graduate Student (research assistant)	0
Slater, Michelle	Graduate Student (research assistant)	0
Smith, Hollie	Graduate Student (research assistant)	1
Smith, Kayla	Graduate Student (research assistant)	1
Stapp, Jared	Graduate Student (research assistant)	1
Suldovsky, Brianne	Graduate Student (research assistant)	1
Szwedo, Paul	Graduate Student (research assistant)	1
Thombrough, Lauren	Graduate Student (research assistant)	1
Van Dam, Brian	Graduate Student (research assistant)	1
Verrill, Shri	Graduate Student (research assistant)	1
Vieser, Jeffrey	Graduate Student (research assistant)	1
Weil, Kristen	Graduate Student (research assistant)	1
Wilkins, Emily	Graduate Student (research assistant)	1
Abare, Tom	Undergraduate Student	0
Arsenault, Emily	Undergraduate Student	0
Baez Madrigal, Sergio	Undergraduate Student	0
Bailey, Deana	Undergraduate Student	0
Bancroft, Alexis	Undergraduate Student	1
Barajas, Miguel	Undergraduate Student	1
Bauer, Joey	Undergraduate Student	0
Beaulieu, Kari	Undergraduate Student	0

Beers, Alyssa	Undergraduate Student	0
Bennett, Logan	Undergraduate Student	0
Berzins, Sabine	Undergraduate Student	0
Bicher, Clara	Undergraduate Student	0
Bird, Norah	Undergraduate Student	0
Bleeker, Angela	Undergraduate Student	0
Bodkin, Zachary	Undergraduate Student	0
Bond, Christopher	Undergraduate Student	0
Bradford, Abigail	Undergraduate Student	1
Brehm, Laura	Undergraduate Student	0
Brown, Elizabeth	Undergraduate Student	0
Broz, Nicole	Undergraduate Student	0
Bryant, Corey	Undergraduate Student	0
Carhart, Laura	Undergraduate Student	0
Chaplin, Owen	Undergraduate Student	0
Chen, Xiaojie	Undergraduate Student	0
Cheung, Suet Ying	Undergraduate Student	0
Chmiel, Rebecca	Undergraduate Student	0
Cole, Avery	Undergraduate Student	0
Cole, Kaitlin	Undergraduate Student	0
Cole, Tony	Undergraduate Student	0
Cowles, Sarah	Undergraduate Student	0
Crane, Ashley	Undergraduate Student	0
Cunningham, Wells	Undergraduate Student	0

Cyr, Harley	Undergraduate Student	3
D'Urso, Eleanor	Undergraduate Student	0
Dandy, Michael	Undergraduate Student	0
Danley, Meghan	Undergraduate Student	0
Deschenes, Evan	Undergraduate Student	2
Dhuy, Allison	Undergraduate Student	0
Dickinson, Jared	Undergraduate Student	0
Dietrich, Eve	Undergraduate Student	0
Duff, Jason	Undergraduate Student	0
Dunham, Francis	Undergraduate Student	0
Dunham, Diane	Undergraduate Student	1
Ferguson, Marianne	Undergraduate Student	0
Feuka, Abigail	Undergraduate Student	1
Finnemore, Luke	Undergraduate Student	0
Follette, Taylor	Undergraduate Student	0
Forgrave, Rebecca	Undergraduate Student	0
Fouchereaux, Thomas	Undergraduate Student	3
Francis, Trevor	Undergraduate Student	0
Fuller, Samantha	Undergraduate Student	0
Garthoff, Sarah	Undergraduate Student	0
Geng, Yuzhe	Undergraduate Student	0
Genthner, Desiree	Undergraduate Student	0
George, Sarah	Undergraduate Student	0
Gilbert, Christine	Undergraduate Student	0

Hague, David	Undergraduate Student	0
Haskins, Thomas	Undergraduate Student	0
Hastings, Thomas	Undergraduate Student	1
Hefner, Nora	Undergraduate Student	0
Held, Jonathan	Undergraduate Student	0
Hemingway, Jordan	Undergraduate Student	0
Hernandez, Eugenio	Undergraduate Student	0
Herr, Catherine	Undergraduate Student	0
Hill, Katherine	Undergraduate Student	0
Hitchcock, Melinda	Undergraduate Student	0
Holland, Sarah	Undergraduate Student	0
Hope, Zach	Undergraduate Student	1
Howard, Candis	Undergraduate Student	0
Howe, Justin	Undergraduate Student	0
Hoyt, Margaret	Undergraduate Student	0
Hutchinson, Samantha	Undergraduate Student	1
Innes, Gregory	Undergraduate Student	0
Jackson, Randi	Undergraduate Student	0
Jacobacci, Kara	Undergraduate Student	1
Jacobs, Anthony	Undergraduate Student	0
Jaques, Zachary	Undergraduate Student	0
Johnston, Julie	Undergraduate Student	0
Joyce, Molly	Undergraduate Student	3
Judge, Savannah	Undergraduate Student	0

Junker, Alexa	Undergraduate Student	0
Kawamura, Kiana	Undergraduate Student	0
Kelly, Patrick	Undergraduate Student	0
Khan, Aameena	Undergraduate Student	0
Kim, BoRa	Undergraduate Student	0
King, Jillian	Undergraduate Student	0
Kittredge, Cassandra	Undergraduate Student	0
Knight, Julie	Undergraduate Student	0
Knowles, Julia	Undergraduate Student	0
Koboski, Theodore	Undergraduate Student	0
Kurensky, Joshua	Undergraduate Student	3
Kurtz, Amanda	Undergraduate Student	0
Kus, Evan	Undergraduate Student	0
Large, Sarah	Undergraduate Student	0
Lauden, Andrea	Undergraduate Student	0
Leary, Leonard	Undergraduate Student	0
Leclair, Joseph	Undergraduate Student	0
Lee, Sarah	Undergraduate Student	0
Lewey, Keanu	Undergraduate Student	0
Lipshultz, Kathy	Undergraduate Student	0
Littlefield, Emily	Undergraduate Student	0
Liu, Zipeng	Undergraduate Student	0
Lookabaugh, Ian	Undergraduate Student	0
Love, Seneca	Undergraduate Student	0

Lynn, Stephanie	Undergraduate Student	0
Madronal, Sarah	Undergraduate Student	0
Mahoney, Andrew	Undergraduate Student	0
Mann, Zach	Undergraduate Student	0
McGarrigle, Samantha	Undergraduate Student	1
McGrath, Timothy	Undergraduate Student	1
McKenna, Meghan	Undergraduate Student	0
Menyo, Joseph	Undergraduate Student	0
Michuad, Kirk	Undergraduate Student	0
Millet, C.	Undergraduate Student	0
Mills, Jason	Undergraduate Student	0
Mills, Samantha	Undergraduate Student	0
Mitchell, Alexa	Undergraduate Student	0
Morris, Michaela	Undergraduate Student	0
Morris, Paul	Undergraduate Student	0
Muller, James	Undergraduate Student	0
Murphy, Shane	Undergraduate Student	0
Niles, Nate	Undergraduate Student	0
Noble, Taylor	Undergraduate Student	0
Novak, Ashleigh	Undergraduate Student	0
O'Brien, Sean	Undergraduate Student	2
O'Connor, Kelsey	Undergraduate Student	0
O'Keeffe, Lucy	Undergraduate Student	0
O'Leary, Kale	Undergraduate Student	0

Orcutt, Elizabeth	Undergraduate Student	0
Pandey, Sujita	Undergraduate Student	1
Pandey, Upasana	Undergraduate Student	0
Payne, Molly	Undergraduate Student	0
Peckenham, Sarah	Undergraduate Student	0
Peckenham, Caroline	Undergraduate Student	0
Perani, Gian	Undergraduate Student	0
Perkins, Gabriel	Undergraduate Student	0
Perry, Alexandra	Undergraduate Student	1
Peterson, Samuel	Undergraduate Student	0
Petzoldt, Theresa	Undergraduate Student	0
Philbrick, Alice	Undergraduate Student	1
Pilotte, Ailish	Undergraduate Student	1
Pilotte, Ailish	Undergraduate Student	1
Pinkham, Matthew	Undergraduate Student	0
Pokorny, Sarah	Undergraduate Student	0
Pond, Cody	Undergraduate Student	0
Poppas, Shane	Undergraduate Student	0
Price, Gabrielle	Undergraduate Student	1
Priest, Destiney	Undergraduate Student	0
Prince, Jhen-da	Undergraduate Student	0
Rancourt, Arielle	Undergraduate Student	0
Reichler, Corey	Undergraduate Student	0
Reynolds, Julia	Undergraduate Student	0

Riggs, Maxime	Undergraduate Student	0
Ripley, Tristen	Undergraduate Student	0
Rivera-Rodriguez, Mariana	Undergraduate Student	0
Robinson, Michael	Undergraduate Student	0
Rodriguez, Leah	Undergraduate Student	0
Ross-dyjak, Analies	Undergraduate Student	0
Rousseau, Cree	Undergraduate Student	0
Rowe, Teneele	Undergraduate Student	0
Roy, Briana	Undergraduate Student	0
Roy, Louis	Undergraduate Student	1
Roy, Philip	Undergraduate Student	0
Rudnicki, Cara	Undergraduate Student	0
Rudnicky, Brenda	Undergraduate Student	0
Sandstrom, Ursula	Undergraduate Student	0
Santilli, Luigi	Undergraduate Student	0
Sargent, Brian	Undergraduate Student	0
Scheppard, Adam	Undergraduate Student	1
Scholten, Brian	Undergraduate Student	0
Scott, Jediah	Undergraduate Student	0
Settele, Rebecca	Undergraduate Student	0
Shimer, Sarah	Undergraduate Student	0
Shrewsbury, Blair	Undergraduate Student	0
Shute, Kyle	Undergraduate Student	1
Shute, Kyle	Undergraduate Student	1

State, Name	Undergraduate Student	
Sivitskis, Alexander	Undergraduate Student	2
Smith, Kathryn	Undergraduate Student	0
Smith, Cecilia	Undergraduate Student	0
St. Amand, Anne	Undergraduate Student	0
St. Germain, Aimee	Undergraduate Student	0
Steele, Nolan	Undergraduate Student	0
Stewlow, Allison	Undergraduate Student	0
Sullivan, Kelsey	Undergraduate Student	0
Svitila, Morgan	Undergraduate Student	0
Syas, Makayla	Undergraduate Student	0
Szirbik, Sarah	Undergraduate Student	0
Taitano, Jeremy	Undergraduate Student	0
Tang, Haitang	Undergraduate Student	0
Tantoco, Rolando	Undergraduate Student	0
Teisl, Bryan	Undergraduate Student	1
Thibeault, Ashley	Undergraduate Student	1
Thompson, Maggie	Undergraduate Student	0
Timm, Ben	Undergraduate Student	0
Todd, Matthew	Undergraduate Student	0
Tomczyk, Nathan	Undergraduate Student	0
Torda, Nathan	Undergraduate Student	0
Toto, Sarah	Undergraduate Student	3
Treachey, Noah	Undergraduate Student	0
Tremblay, Ethan	Undergraduate Student	1

Veitch, Eric	Undergraduate Student	0
Vezza, Julianna	Undergraduate Student	2
Vivian, Sabrina	Undergraduate Student	0
Walczak, Danielle	Undergraduate Student	1
Weaver, Sophie	Undergraduate Student	0
Webber, Scott	Undergraduate Student	0
Weitman, Eva	Undergraduate Student	0
Wigant, Benjamin	Undergraduate Student	0
Witick, Anne	Undergraduate Student	1
Young, Christopher	Undergraduate Student	0
Abromson, Jessica	High School Student	0
Applebee, Zachary	High School Student	2
Betterly-Dow, Emma	High School Student	2
Clement, Leah	High School Student	0
Cole, Hannah	High School Student	0
Comeau, Austin	High School Student	2
Crocker, Brandon	High School Student	0
Desisto, Joseph	High School Student	0
Dow, Shayne	High School Student	3
Francis, Haley	High School Student	3
Frederick, Nathan	High School Student	1
Gallandt, Annika	High School Student	2
Goodwin, Austin	High School Student	2
Gray, Alexa	High School Student	2

Grossman, Diego	High School Student	2
Hall, Ethan	High School Student	0
Hamilton, Calum	High School Student	0
Hanson, Nate	High School Student	0
Harvey, Abigail	High School Student	2
Higgins, Michaela	High School Student	1
Johnson, Zachary	High School Student	0
Kenefic, Liam	High School Student	3
Kenney, Samuel	High School Student	2
Lucas, Sedona	High School Student	0
Luthin, Erin	High School Student	2
MacDougall, Kenneth	High School Student	0
Marquis, Kayla	High School Student	0
McKaig, Conor	High School Student	0
McKillen-Godfried, Isaac	High School Student	0
Moreira, Andrew	High School Student	2
Morneault, Garry	High School Student	2
Morrison, Elizabeth	High School Student	2
Norris, Braydon	High School Student	2
Phipps, Laura	High School Student	2
Rice, Zach	High School Student	0
Rote, Wunderly	High School Student	2
Seavey, Emilie	High School Student	0
Stewart, Nicholas	High School Student	0

Syphers, Katherine	High School Student	0
Tyutyunnyk, Diana	High School Student	0
Wang, Sija	High School Student	0
Weigang, Abigail	High School Student	0
Weigang, Anna	High School Student	0
Agneta, Leonard	Other	0
Ames, Ted	Other	0
Anderson, Andrew	Other	0
Baeder, Charles	Other	0
Baker, Pamela	Other	0
Ballesteros, LuAnn	Other	0
Barker, Sharon	Other	0
Bedore, Samantha	Other	0
Berger, Tom	Other	0
Bernhardt, Anita	Other	0
Boudreau, Christopher	Other	0
Boyle, Faye	Other	0
Briendel, Deb	Other	0
Buffington, Pam	Other	0
Burns, John	Other	0
Dagher, Habib	Other	0
Grove, Cynthia	Other	2
Hamel, Caroline	Other	2

Full details of individuals who have worked on the project:

Michael Eckardt**Email:** michael.eckardt@umit.maine.edu**Most Senior Project Role:** PD/PI**Nearest Person Month Worked:** 2**Contribution to the Project:** PI on Project**Funding Support:** None**International Collaboration:** No**International Travel:** No

David Hart**Email:** david.hart@umit.maine.edu**Most Senior Project Role:** Co PD/PI**Nearest Person Month Worked:** 9**Contribution to the Project:** CO-PI on the project**Funding Support:** Voluntary cost share**International Collaboration:** No**International Travel:** No

Vicki Nemeth**Email:** vicki.nemeth@umit.maine.edu**Most Senior Project Role:** Co PD/PI**Nearest Person Month Worked:** 2**Contribution to the Project:** CO-PI on the Project**Funding Support:** Voluntary Cost share**International Collaboration:** No**International Travel:** No

Mark Adams**Email:** madams@une.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Francois Amar**Email:** amar@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1

Contribution to the Project: SSI Faculty at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Mark Anderson

Email: mark_anderson@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Amy Arnett

Email: aarnett@unity.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 2

Contribution to the Project: SSI faculty at Unity College

Funding Support: None

International Collaboration: No

International Travel: No

Herb Aumann

Email: herbert.aumann@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Andrew Barton

Email: barton@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine at Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Anna Bass

Email: abass@une.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Julia Beaty

Email: julia.beaty@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI Faculty at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Christine Beitzl

Email: christine.beitzl@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Kathleen Bell

Email: kpbell@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Chris Bennett**Email:** chris.bennett@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine at Farmington**Funding Support:** None**International Collaboration:** No**International Travel:** No

Catherine Bevier**Email:** crbevier@colby.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Brent Bibles**Email:** bbibles@unity.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI faculty at Unity College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Damian Brady**Email:** damian.brady@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Denise Bruesewitz**Email:** dabruese@colby.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Daniel Buckley

Email: buckley@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine at Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Ron Butler

Email: butler@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine at Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Carrie Byron

Email: cbyron@une.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Aram Calhoun

Email: calhoun@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Phil Camill

Email: pcamill@bowdoin.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Bowdoin College

Funding Support: None

International Collaboration: No
International Travel: No

Yong Chen

Email: ychen@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Russell Cole

Email: frcole@colby.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Barbara Cole

Email: barbara.cole@umit.maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Charlie Colgan**Email:** csc@usm.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Faculty at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Christopher Cronan**Email:** chris_cronan@umit.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

John Daigle**Email:** jdaigle@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Julie Daigle**Email:** julie.daigle@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine Fort Kent**Funding Support:** None**International Collaboration:** No**International Travel:** No

Michael Daley**Email:** mdaley@une.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1

Contribution to the Project: SSI faculty at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Julia Daly

Email: dalyj@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine at Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Sandra de Urioste-Stone

Email: sandra.de@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Sahan Dissanayake

Email: sahan.dissanayake@colby.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Michael Donihue

Email: michael.donihue@colby.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Kathleen Dunckel
Email: kdunckel@unity.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 2

Contribution to the Project: SSI faculty at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Nuri Emanetoglu
Email: nuri.emanetoglu@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Christine Feurt
Email: cfeurt@une.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 2

Contribution to the Project: SSI faculty at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

James Fleming
Email: jfleming@colby.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Shawn Fraver**Email:** shawn.fraver@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Todd Gabe**Email:** todd.gabe@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Eric Gallandt**Email:** gallandt@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Susan Gardner**Email:** susan.gardner@umit.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Nicholas Giudice**Email:** nicholas.giudice@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Mark Haggerty

Email: mark.haggerty@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI Faculty at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Stephen Hansen

Email: stephen.hansen@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine Fort Kent

Funding Support: None

International Collaboration: No

International Travel: No

Wendy Harper

Email: wharper@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine at Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Guillermo Herrera

Email: gherrera@bowdoin.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 0

Contribution to the Project: SSI faculty at Bowdoin College

Funding Support: None

International Collaboration: No
International Travel: No

Malcolm Hunter

Email: mhunter@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Karen Hutchins

Email: Karen_Hutchins@umit.maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 0

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Shaleen Jain

Email: shaleen.jaine@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Beverly Johnson

Email: bjohnso3@bates.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Bates College

Funding Support: None

International Collaboration: No
International Travel: No

Teresa Johnson**Email:** teresa.johnson@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** Yes, Japan**International Travel:** No

Jason Johnston**Email:** jason.johnston@umpi.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty at University of Maine Presque Isle**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jack Kartez**Email:** jackk@usm.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Faculty Member at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Yuseung Kim**Email:** ykim@usm.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 10**Contribution to the Project:** SSI Faculty member at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Whitney King**Email:** dwking@colby.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Melissa Ladenheim

Email: melissa.ladenheim@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI Faculty at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Christopher Lage

Email: christopher.lage@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Erika Latty

Email: elatty@unity.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 2

Contribution to the Project: SSI faculty at Unity College

Funding Support: None

International Collaboration: No

International Travel: No

Jessica Leahy

Email: jessica.leahy@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Lynne Lewis

Email: llewis@bates.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Bates College

Funding Support: None

International Collaboration: No
International Travel: No

John Lichter

Email: jlichter@bowdoin.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 0

Contribution to the Project: SSI faculty at Bowdoin College

Funding Support: None

International Collaboration: Yes, Canada
International Travel: No

Robert Lilieholm

Email: robert.lilieholm@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Laura Lindendorf

Email: laura.lindendorf@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: Yes, Germany
International Travel: No

William Livingston**Email:** williaml@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Cynthia Loftin**Email:** cynthia.loftin@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jean MacRae**Email:** jean.macrae@umit.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

John Martin**Email:** jlmartin@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Faculty at the University of Maine Fort Kent**Funding Support:** None**International Collaboration:** No**International Travel:** No

Matthew McCourt**Email:** matthew.maccourt@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1

Contribution to the Project: SSI faculty at the University of Maine at Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Shannon McCoy

Email: shannon.mccoy@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Brian McGill

Email: brian.mcgill@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 10

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Peter Milligan

Email: peter.milligan@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Pam Morgan

Email: pmorgan@une.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Erica Nadelhaft

Email: erica.nadelhaft@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 0

Contribution to the Project: SSI faculty at the University of Maine Fort Kent

Funding Support: None

International Collaboration: No
International Travel: No

Caroline Noblet

Email: caroline.noblet@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: Yes, Denmark
International Travel: No

Philip Nyhus

Email: philip.nyhus@colby.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 2

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Brian Olsen

Email: brian.olsen@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 0

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Dave Owen**Email:** doweden@usm.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Faculty member at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Firooza Pavri**Email:** fpavri@usm.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty member at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Noah Perlut**Email:** nperlut@une.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Andrew Plant**Email:** aplant@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Darren Ranco**Email:** darren.ranco@umit.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Andrew Reeve

Email: asreeve@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Bruce Rueger

Email: bfrueger@colby.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Kimberly Sebold

Email: kimberly.sebold@umpi.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 2

Contribution to the Project: SSI faculty at University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Bruce Segee

Email: segee@eece.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Robert Seymour
Email: rseymour@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Linda Silka
Email: silka@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sean Smith
Email: sean.m.smith@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 10

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Esperanza Stancioff
Email: esp@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

James Sulikowski**Email:** jsulikowski@une.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI faculty at the Univresity of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Joseph Szakas**Email:** joseph.szakas@umit.maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Mario Teisl**Email:** teisl@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Krishna Thiagarajan**Email:** Krish.thiagarajan@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Faculty at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Leo Trudel**Email:** leo.trudel@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 0

Contribution to the Project: SSI facility at the University of Maine Fort Kent

Funding Support: None

International Collaboration: No

International Travel: No

Catherine Turcotte

Email: catherine.turcotte@umit.maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

David Vail

Email: dvail@bowdoin.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at Bowdoin College

Funding Support: None

International Collaboration: No

International Travel: No

Chunzeng Wang

Email: chunzeng.wang@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 2

Contribution to the Project: SSI faculty at University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Timothy Waring

Email: timothy.waring@maine.edu

Most Senior Project Role: Faculty

Nearest Person Month Worked: 10

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Aaron Weiskittel

Email: aaron.weiskittel@maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Stephanie Welcomer

Email: stephanie.welcomer@umit.maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI Faculty at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Karen Wilson

Email: kwilson@usm.maine.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI Faculty member at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Stephan Zeeman

Email: szeeman@une.edu
Most Senior Project Role: Faculty
Nearest Person Month Worked: 1

Contribution to the Project: SSI faculty at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Gayle Zydlewski**Email:** gayle.zydlewski@maine.edu**Most Senior Project Role:** Faculty**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI faculty at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Krista Capps**Email:** krista.capps@maine.edu**Most Senior Project Role:** Postdoctoral (scholar, fellow or other postdoctoral position)**Nearest Person Month Worked:** 3**Contribution to the Project:** SSI postdoc at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Nirajan Dhakal**Email:** nirajan.dhakal@umit.maine.edu**Most Senior Project Role:** Postdoctoral (scholar, fellow or other postdoctoral position)**Nearest Person Month Worked:** 3**Contribution to the Project:** SSI postdoc at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jessica Jansujwicz**Email:** jessica.jansujwicz@umit.maine.edu**Most Senior Project Role:** Postdoctoral (scholar, fellow or other postdoctoral position)**Nearest Person Month Worked:** 3**Contribution to the Project:** SSI postdoc at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Christine Lamanna**Email:** christine.lamanna@maine.edu**Most Senior Project Role:** Postdoctoral (scholar, fellow or other postdoctoral position)**Nearest Person Month Worked:** 3

Contribution to the Project: SSI postdoc at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Benoit Parmentier

Email: parmentier@nceas.ucsb.edu

Most Senior Project Role: Postdoctoral (scholar, fellow or other postdoctoral position)

Nearest Person Month Worked: 3

Contribution to the Project: SSI postdoc at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Crista Straub

Email: crista.straub@umit.maine.edu

Most Senior Project Role: Postdoctoral (scholar, fellow or other postdoctoral position)

Nearest Person Month Worked: 3

Contribution to the Project: SSI postdoc at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Raul Urbina

Email: raul.urbina@maine.edu

Most Senior Project Role: Postdoctoral (scholar, fellow or other postdoctoral position)

Nearest Person Month Worked: 1

Contribution to the Project: SSI Post Doc at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Christopher Bartlett

Email: cbartlett@maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 1

Contribution to the Project: SSI staff at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Laurie Bragg

Email: Laurie.bragg@maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 2

Contribution to the Project: Maine EPSCoR Outreach & Program Manager

Funding Support: None

International Collaboration: No
International Travel: No

Colleen Budzinski

Email: colleen.budzinski@maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 1

Contribution to the Project: SSI staff at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Becky Colannino

Email: becky.colannino@umit.maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 0

Contribution to the Project: Director of Upward Bound at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Ian Collins

Email: ianharrisoncollins@gmail.com

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 0

Contribution to the Project: Temporary Professional at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Robin Crocker**Email:** rcrocker@maine.edu**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 1**Contribution to the Project:** Maine EPSCoR professional staff at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kristin Dacko**Email:** kristin.dacko@gmail.com**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 0**Contribution to the Project:** Temporary Professional at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Mary Elizabeth England**Email:** elizabeth_england@umit.maine.edu**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Program Director at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Ami Gaspar**Email:** ami.gaspar@maine.edu**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 2**Contribution to the Project:** Maine EPSCoR technical staff at the University of Maine System**Funding Support:** None**International Collaboration:** No**International Travel:** No

Alex Gray**Email:** alexander.gray@umit.maine.edu**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 0

Contribution to the Project: SSI staff at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Ruth Hallsworth

Email: ruth.hallsworth@umit.maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 2

Contribution to the Project: SSI Strategic Program Manager at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Kelly Ilseman

Email: kelly.ileman@gmail.com

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 1

Contribution to the Project: Assistant Director of Upward Bound at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Martha Kendrick

Email: martie.kendrick@umit.maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 0

Contribution to the Project: SSI professional staff at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Carol Kim

Email: carolkim@maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 2

Contribution to the Project: Faculty at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Alan Kurtz

Email: alan.kurtz@umit.maine.edu
Most Senior Project Role: Other Professional
Nearest Person Month Worked: 0

Contribution to the Project: Maine EPSCoR workforce development staff at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Andrea Littlefield

Email: andrea.littlefield@maine.edu
Most Senior Project Role: Other Professional
Nearest Person Month Worked: 2

Contribution to the Project: Maine EPSCoR Communications & Program Coordinator

Funding Support: None

International Collaboration: No
International Travel: No

Kyle Lolar

Email: kyle.lolar@maine.edu
Most Senior Project Role: Other Professional
Nearest Person Month Worked: 1

Contribution to the Project: SSI Staff at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Janet May

Email: janet.may@umit.maine.edu
Most Senior Project Role: Other Professional
Nearest Person Month Worked: 0

Contribution to the Project: Maine EPSCoR workforce development staff at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Marnie Monreault**Email:** mabomeault@gwi.net**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 0**Contribution to the Project:** Maine EPSCoR workforce development staff at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

John Newlin**Email:** jnewlin@micdl.org**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 0**Contribution to the Project:** Maine STEM Collaborative Member**Funding Support:** None**International Collaboration:** No**International Travel:** No

John Peckenham**Email:** jpeck@maine.edu**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI staff at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kim Raymond**Email:** kim.raymond@umit.maine.edu**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI staff at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Sarah Sparks**Email:** sarah.sparks@maine.edu**Most Senior Project Role:** Other Professional**Nearest Person Month Worked:** 1

Contribution to the Project: Maine EPSCoR workforce development staff at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Clifford Wilbur

Email: cwilbur@maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 1

Contribution to the Project: Maine EPSCoR staff at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Theodore Willis

Email: theowillis06@aim.com

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 1

Contribution to the Project: SSI staff at the University of Southern Maine

Funding Support: None

International Collaboration: No

International Travel: No

Laura Wilson

Email: laura.wilson@maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 1

Contribution to the Project: Maine EPSCoR workforce and development staff at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Christian Wilson

Email: chris.wilson@maine.edu

Most Senior Project Role: Other Professional

Nearest Person Month Worked: 2

Contribution to the Project: Maine EPSCoR staff at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Robert Freeman

Email: robert.freeman@maine.edu

Most Senior Project Role: Technician

Nearest Person Month Worked: 1

Contribution to the Project: SSI staff at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Ben Goundie

Email: bgoundie@bates.edu

Most Senior Project Role: Technician

Nearest Person Month Worked: 1

Contribution to the Project: SSI technician at Bates College

Funding Support: None

International Collaboration: No
International Travel: No

Margaret Snell

Email: margaret.snell@maine.edu

Most Senior Project Role: Technician

Nearest Person Month Worked: 1

Contribution to the Project: SSI staff at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Erik Albert

Email: albert17@umcs.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Tracey Bauer**Email:** tbauer2@une.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Graduate student at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Mussie Beyene**Email:** mussie.beyene@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Samantha Brend**Email:** samantha.brend@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Christopher Bryant**Email:** chris.bryant@umit.maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Lisa Carr**Email:** tish.carr@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1

Contribution to the Project: SSI Graduate Student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Adam Cilli

Email: adam.cilli@umit.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI Graduate Student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Brittany Cline

Email: brittany.cline@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Judy Colby-George

Email: judy.colbygeorge@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Joshua Crofton-MacDonald

Email: joshua.croftonmacdonald@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI Graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Stacia Dreyer

Email: stacia.dreyer@gmail.com

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Ebel

Email: sarah.ebel@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 2

Contribution to the Project: SSI Graduate Student at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Brett Gerard

Email: brett.gerard@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

James Edward Gibbons

Email: James.gibbons@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 2

Contribution to the Project: SSI Graduate Student at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sandy Gilbreath**Email:** sandy.gilbreath@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Sandra Goff**Email:** sandra.goff@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Suzanne Greenlaw**Email:** suzanne.greenlaw@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Luke Groff**Email:** luke.groff@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Lisha Guan**Email:** lisha.guan@umit.maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 0

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Melissa Hamlin

Email: melissa.hamlin@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Patrick Hiesl

Email: patrick.hiesl@umit.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Andrew Hill

Email: Andrew.c.hill@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 2

Contribution to the Project: SSI Graduate Student at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Kristine Hoffmann

Email: kristine.hoffmann@umit.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Jared Homola

Email: jared.homola@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Eileen Johnson

Email: eileen.johnson@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Michelle Johnson

Email: michelle.johnson@umit.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Bethany Jorgensen

Email: bethany.jorgensen@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Eric Larsson**Email:** eric.larson@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Vanessa Levesque**Email:** vanessa.r.levesque@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kara Lorion**Email:** kara.lorion@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Stephenie MacLagan**Email:** stephenie.maclagan@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Eva Manandhar**Email:** eva.manandhar@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 0

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Danielle Martin

Email: danielle_martin@umit.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Emily Maynard

Email: emily.maynard@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No

International Travel: No

Bridie McGreavy

Email: bridie.mcgreavy@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Julia McGuire

Email: mcguire.julia@gmail.com

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Andrea Mercado

Email: drecious@gmail.com

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Spencer Meyer

Email: spencer.meyer@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Morehead

Email: sarah.morehead@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Michael Murphy

Email: trillium@megalink.net

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: SSI Graduate Student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Thomas Parr**Email:** thomas.parr@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Michael Quartuch**Email:** michael.quartuch@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Emily Rice**Email:** emily.j.rice@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jocelyn Runnebaum**Email:** jocelyn.runnebaum@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

David Sherwood**Email:** david.sherwood@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Jenny Shrum

Email: jenny.shrum@umit.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Emily Silver

Email: emily.j.silver@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student research assistant at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Matt Simon

Email: msimon@une.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: SSI Graduate student at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Michelle Slater

Email: mslater@une.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 0

Contribution to the Project: SSI Graduate student at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Hollie Smith

Email: hollie.smith@umit.maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student research assistant at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Kayla Smith

Email: ksmith24@une.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI Graduate student at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Jared Stapp

Email: jared.stapp@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student research assistant at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Brianne Suldovsky

Email: briannesuldovsky@gmail.com

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Paul Szwedo**Email:** paul.szwedo@umit.maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Lauren Thornbrough**Email:** lauren.thornbrough@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student research assistant at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Brian Van Dam**Email:** brian.vandam@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI graduate student research assistant at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Shri Verrill**Email:** andrea.verill@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Graduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jeffrey Vieser**Email:** jeffrey.vieser@maine.edu**Most Senior Project Role:** Graduate Student (research assistant)**Nearest Person Month Worked:** 1

Contribution to the Project: SSI graduate student research assistant at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Kristen Weil

Email: kristen.weil@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI graduate student research assistant at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Emily Wilkins

Email: emily.wilkins@maine.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: SSI Graduate Student at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Tom Abare

Email: tdabare@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Emily Arsenault

Email: faronson@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Sergio Baez Madrigal

Email: sabaezma@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Deana Bailey

Email: deana.bailey@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No
International Travel: No

Alexis Bancroft

Email: abancroft@s.paulsmiths.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at Paul Smith University

Funding Support: None

International Collaboration: No
International Travel: No

Miguel Barajas

Email: miguel.barajas@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Joey Lee Bauer**Email:** JBauer10@unity.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Unity College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kari Beaulieu**Email:** kari.beaulieu@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Alyssa Beers**Email:** abeers10@unity.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Unity College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Logan Bennett**Email:** logan.bennett@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Presque Isle**Funding Support:** None**International Collaboration:** No**International Travel:** No

Sabine Berzins**Email:** sberzins@bowdoin.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Clara Bicher

Email: csbhanda@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Norah Bird

Email: norah.bird@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Angela Bleeker

Email: angela.bleeker@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Zachary Bodkin

Email: bodkin@gmail.com

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Christopher Bond

Email: christopher.bond@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Abigail Bradford

Email: abigail.bradford@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Laura Brehm

Email: laura.brehm@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Elizabeth Brown

Email: ebrown@bowdoin.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bowdoin College

Funding Support: None

International Collaboration: No
International Travel: No

Nicole Broz**Email:** nicole.broz@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Corey Bryant**Email:** corey.bryant@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Undergraduate student at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Laura Carhart**Email:** LCarhart11@unity.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Unity College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Owen Chaplin**Email:** owen.chaplin@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Xiaojie Chen**Email:** xchen@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Suet Ying Cheung

Email: cheungsy.michelle@gmail.com

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Rebecca Chmiel

Email: rjchmiel@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Avery Cole

Email: avery.cole@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Kaitlin Cole

Email: kcole612@gmail.com

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Tony Cole

Email: tony.cole@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Cowles

Email: scowles@une.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Ashley Crane

Email: ashley.crane@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Wells Tanner Cunningham

Email: wcunning@bates.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bates College

Funding Support: None

International Collaboration: No
International Travel: No

Harley Cyr**Email:** harley.cyr@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 3**Contribution to the Project:** Maine EPSCoR Undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Eleanor D'Urso**Email:** eleanor.durso@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Michael Dandy**Email:** mdandy4@gmail.com**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Meghan Danley**Email:** mdanley@une.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Undergraduate student at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Evan Deschenes**Email:** evandeschenes@gmail.com**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 2

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Allison Dhuy

Email: aadhuy@gmail.com

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Jared Dickinson

Email: jared.dickinson@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Eve Dietrich

Email: EDietrich10@unity.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No

International Travel: No

Jason Duff

Email: jason.duff@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Francis Dunham

Email: fedunham@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Diane Dunham

Email: diane.dunham@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Marianne Ferguson

Email: mhfergus@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Abigail Feuka

Email: abigail.feuka@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Luke Finnemore**Email:** luke.finnemore@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Taylor Follette**Email:** tfollette11@unity.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Unity College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Rebecca Forgrave**Email:** rforese@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Thomas Fouchereaux**Email:** thomas.fouchereaux@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 3**Contribution to the Project:** Maine EPSCoR Undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Trevor Francis**Email:** trevor.francis@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Samantha Fuller

Email: samantha.fuller@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Sarah Garthoff

Email: sarah.garthoff@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Yuzhe Geng

Email: ygeng@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Desiree Genthner

Email: desiree.genthner@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No
International Travel: No

Sarah George

Email: segeorge@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Christine Gilbert

Email: christine.gilbert@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

David Hague

Email: dhague@une.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Thomas Haskins

Email: thomas.haskins@yahoo.com

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate Student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Thomas Hastings**Email:** thomas.hastings@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Nora Hefner**Email:** nhefner@bowdoin.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Bowdoin College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jonathan Held**Email:** jheld@bowdoin.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Bowdoin College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jordan Hemingway**Email:** jordan.hemingway@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Presque Isle**Funding Support:** None**International Collaboration:** No**International Travel:** No

Eugenio Hernandez**Email:** ehernandez1@une.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Catherine Herr

Email: catherine.herr@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Katherine Hill

Email: khill4@une.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Melinda Hitchcock

Email: melinda.hitchcock@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Sarah Holland

Email: sarah.holland@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Zach Hope

Email: zachary.hope@maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Candis Howard

Email: candis.howard@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Justin Howe

Email: justin.d.howe@maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No
International Travel: No

Margaret Hoyt

Email: margaret.hoyt1@maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Samantha Hutchinson**Email:** samantha.hutchinson1@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Gregory Innes**Email:** gregminnes@hotmail.com**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Randi Jackson**Email:** randi.jackson@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kara Jacobacci**Email:** kara.jacobacci@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Undergraduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Anthony Jacobs**Email:** anthony.jacobs@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Zachary Jaques

Email: zmjaques@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Julie Johnston

Email: julie.johnston@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Molly Joyce

Email: molly.joyce@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 3

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Savannah Judge

Email: scjudge@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Alexa Junker

Email: aajunker@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Kiana Kawamura

Email: kekawamu@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Patrick Kelly

Email: patrick.kelly@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Ameena Khan

Email: akhan@bowdoin.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bowdoin College

Funding Support: None

International Collaboration: No
International Travel: No

BoRa Kim**Email:** bkim@bates.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Bates College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jillian King**Email:** jillian.king@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Cassandra Kittredge**Email:** cassandra.kittredge@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Farmington**Funding Support:** None**International Collaboration:** No**International Travel:** No

Julie Knight**Email:** jnight91@hotmail.com**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Presque Isle**Funding Support:** None**International Collaboration:** No**International Travel:** No

Julia Knowles**Email:** julia.knowles@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Theodore Koboski

Email: theodore.koboski@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Joshua Kurensky

Email: joshua.kurensky@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 3

Contribution to the Project: SSI undergraduate student at the University of Maine Fort Kent

Funding Support: None

International Collaboration: No

International Travel: No

Amanda Kurtz

Email: amanda.kurtz@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Evan Kus

Email: evan.kus@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Large

Email: selarge@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Andrea Lauden

Email: alauden@bates.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bates College

Funding Support: None

International Collaboration: No
International Travel: No

Leonard Leary

Email: leon.leary@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Joseph Leclair

Email: joseph.leclair@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Lee**Email:** mlee@bowdoin.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Bowdoin College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Keanu Lewey**Email:** keanulewey@yahoo.com**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kathy Lipshultz**Email:** krlipshu@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Emily Littlefield**Email:** emily.littlefield@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Farmington**Funding Support:** None**International Collaboration:** No**International Travel:** No

Zipeng Liu**Email:** zipeng.liu@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergradaute student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Ian Lookabaugh

Email: ian.lookabaugh@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Seneca Love

Email: seneca.love@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Stephanie Lynn

Email: slynn@bowdoin.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bowdoin College

Funding Support: None

International Collaboration: No

International Travel: No

Sarah Madronal

Email: svmadron@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Andrew Mahoney
Email: amahoney1@une.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Zach Mann
Email: zmann11@unity.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Samantha McGarrigle
Email: smcgarrigle@unity.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate Student at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Timothy McGrath
Email: timothy.mcgrath@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Meghan McKenna**Email:** meghan.mckenna@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Joseph Menyo**Email:** joseph.menyo@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Farmington**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kirk Michuad**Email:** kirk.michuad@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Presque Isle**Funding Support:** None**International Collaboration:** No**International Travel:** No

C. Patrick Millet**Email:** cmillet@bowdoin.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Bowdoin College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Jason Mills**Email:** jason.mills@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Samantha Mills

Email: smills1@une.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Alexa Mitchell

Email: alexa.mitchell@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Michaela Morris

Email: michaela.morris@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Paul Morris

Email: pual.n.morris@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

James Muller
Email: jmuller@une.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Shane Murphy
Email: smurphey4@une.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No
International Travel: No

Nate Niles
Email: nfniles@bowdoin.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bowdoin College

Funding Support: None

International Collaboration: No
International Travel: No

Taylor Noble
Email: Tnoble10@unity.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Ashleigh Novak**Email:** anovak@une.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Undergraduate student at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Sean O'Brien**Email:** sean.a.obrein@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI Undergraduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kelsey O'Connor**Email:** kelsey.oconnor@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine Farmington**Funding Support:** None**International Collaboration:** No**International Travel:** No

Lucy O'Keeffe**Email:** lgokeeff@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kale O'Leary**Email:** kale.oleary@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at the University of Maine Fort Kent

Funding Support: None

International Collaboration: No

International Travel: No

Elizabeth Orcutt

Email: Eorcutt11@unity.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No

International Travel: No

Sujita Pandey

Email: sujita.pandey@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Upasana Pandey

Email: upasana.pandey@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Molly Payne

Email: molly.payne@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Peckenham

Email: sarah.peckenham@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Caroline Peckenham

Email: carolinepenelopep@gmail.com
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Fort Kent

Funding Support: None

International Collaboration: No
International Travel: No

Gian Perani

Email: gvperani@colby.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Gabriel Perkins

Email: gabriel.perkins@maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Alexandra Perry**Email:** alexandra.perry@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Samuel Peterson**Email:** speterson5@une.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Undergraduate student at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Theresa Petzoldt**Email:** tlpetzol@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Alice Philbrick**Email:** alice.philbrick@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Ailish Pilotte**Email:** ailish.pilotte@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Ailish Pilotte

Email: ailish.pilotte@gmail.com

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Matthew Pinkham

Email: matthew.pinkham@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Sarah Pokorny

Email: sarah.pokorny@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Cody Pond

Email: cody.pond@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No
International Travel: No

Shane Poppas
Email: shane.poppas@maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Gabrielle Price
Email: gabrielle.price@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Destiney Priest
Email: DPriest10@unity.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Jhen-da Prince
Email: jhen-da.prince@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Arielle Rancourt**Email:** arielle.rancourt@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** Maine EPSCoR undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Corey Reichler**Email:** cereichl@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Julia Reynolds**Email:** jreynolds8@une.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Undergraduate student at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Maxime Riggs**Email:** maxime.riggs@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Tristen Ripley**Email:** tristen.ripley@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Mariana Rivera-Rodriguez

Email: mrivera-rodriguez12@unity.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No

International Travel: No

Michael Robinson

Email: mrobinson11@unity.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No

International Travel: No

Leah Rodriguez

Email: leah.rodriguez@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Analies Ross-dyjak

Email: arossdyjak@une.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the Universirt of New England

Funding Support: None

International Collaboration: No
International Travel: No

Cree Rousseau

Email: cree.rousseau@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Teneele Rowe

Email: Trowe11@unity.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Briana Roy

Email: briana.roy@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Louis Roy

Email: louis.roy@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Philip Roy**Email:** philip.roy@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Cara Rudnicki**Email:** cara.rudnicki@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Brenda Rudnicki**Email:** brudnicki@une.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Undergraduate student at the University of New England**Funding Support:** None**International Collaboration:** No**International Travel:** No

Ursula Sandstrom**Email:** usandstr@bates.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Bates College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Luigi Santilli**Email:** luigi.santilli@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Brian Sargent

Email: bsargent@une.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI Undergraduate student at the University of New England

Funding Support: None

International Collaboration: No

International Travel: No

Adam Scheppard

Email: adam.scheppard@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Brian Scholten

Email: brian.scholten@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Jediah Scott

Email: jediah.scott@maine.eedu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No
International Travel: No

Rebecca Settele

Email: rebecca.settele@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Shimer

Email: sjshimer@colby.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Blair Shrewsbury

Email: bshrewb@bates.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bates College

Funding Support: None

International Collaboration: No
International Travel: No

Kyle Shute

Email: kyle.shute@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 1

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Kyle Shute**Email:** kyle.shute@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Undergraduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Alexander Sivitskis**Email:** sivitskis.alex@gmail.com**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI Undergraduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Kathryn Smith**Email:** kathryn.smith@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Cecilia Smith**Email:** cecilia.smith@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI Undergraduate student at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Anne St. Amand**Email:** anne.st@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No

International Travel: No

Aimee St. Germain

Email: aimee.m.st@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Farmington

Funding Support: None

International Collaboration: No

International Travel: No

Nolan Steele

Email: nolan.steele@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Allison Stewlow

Email: allison.stewlow@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Kelsey Sullivan

Email: kelsey.sullivan@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine at Augusta

Funding Support: None

International Collaboration: No
International Travel: No

Morgan Svitila

Email: morgan.svitila@maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No
International Travel: No

Makayla Syas

Email: MSyas11@unity.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Szirbik

Email: SSzirbik10@unity.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Unity College

Funding Support: None

International Collaboration: No
International Travel: No

Jeremy Taitano

Email: jeremyjktaitano@gmail.com

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Temple University

Funding Support: None

International Collaboration: No
International Travel: No

Haitang Tang**Email:** htang@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Rolando Tantoco**Email:** rolando.tantoco@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Bryan Teisl**Email:** bryan.teisl@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Ashley Thibeault**Email:** ashley.thibeault@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Undergraduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Maggie Thompson**Email:** margaret_thompson@hmc.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI undergraduate student at Harvey Mudd College

Funding Support: None

International Collaboration: No

International Travel: No

Ben Timm

Email: bhtimm@colby.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No

International Travel: No

Matthew Todd

Email: matthew.todd@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Nathan Tomczyk

Email: nathan.tomczyk@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Nathan Torda

Email: ntorda@bowdoin.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Bowdoin College

Funding Support: None

International Collaboration: No
International Travel: No

Sarah Toto

Email: sarah.toto@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 3

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Noah Treachey

Email: straylor@colby.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at Colby College

Funding Support: None

International Collaboration: No
International Travel: No

Ethan Tremblay

Email: ethantremblay@gmail.com
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Eric Veitch

Email: eric.veitch@umit.maine.edu
Most Senior Project Role: Undergraduate Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Julianna Vezza**Email:** julianna.vezza@gmail.com**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI Undergraduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Sabrina Vivian**Email:** sabrina.vivian@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Danielle Walczak**Email:** danielle.walczak@umit.maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI Undergraduate Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Sophie Weaver**Email:** saweaver@colby.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI undergraduate student at Colby College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Scott Webber**Email:** scott.richard.webber@maine.edu**Most Senior Project Role:** Undergraduate Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI Undergraduate student at the University of Southern Maine

Funding Support: None

International Collaboration: No

International Travel: No

Eva Weitman

Email: eva.weitman@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Benjamin Wigant

Email: benjamin.wigant@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Anne Witick

Email: anne.witick@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI Undergraduate Student at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Christopher Young

Email: christopher.young@umit.maine.edu

Most Senior Project Role: Undergraduate Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI undergraduate student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Jessica Abromson
Email: jessica.abromson@maine.edu
Most Senior Project Role: High School Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Southern Maine

Funding Support: None

International Collaboration: No
International Travel: No

Zachary Applebee
Email: zachary.applebee2015@rsu26.org
Most Senior Project Role: High School Student
Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Emma Betterly-Dow
Email: ejsplace23@aol.com
Most Senior Project Role: High School Student
Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Leah Clement
Email: leah.c.clement@maine.edu
Most Senior Project Role: High School Student
Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Hannah Cole**Email:** hannahbanana004@gmail.com**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI high school student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Austin Comeau**Email:** comeau_austin@yahoo.com**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI High School Intern at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Brandon Crocker**Email:** brandoncrocker2014@rsu26.org**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI high school student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Joseph Desisto**Email:** billydesisto2013@rsu26.org**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI high school student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Shayne Dow**Email:** jdow75.jd@gmail.com**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 3

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Haley Francis

Email: haleyfrancis2014@rsu26.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 3

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Nathan Frederick

Email: nathanfrederick2015@rsu26.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 1

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Annika Gallandt

Email: annika.gallandt@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Austin Goodwin

Email: rage04029@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Alexa Gray

Email: 15862@brewerhs.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Diego Grossman

Email: grossman.diego@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Ethan Hall

Email: esjhall@msn.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Calum Hamilton

Email: cal.d.hamilton@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Nate Hanson**Email:** nate.hanson@maine.edu**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI high school student at the University of Southern Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Abigail Harvey**Email:** abharv52@gmail.com**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI High School Intern at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Michaela Higgins**Email:** snooky3096@yahoo.com**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 1**Contribution to the Project:** SSI high school student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Zachary Johnson**Email:** zachary.johnson@foxcroftacademy.org**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI high school student at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Liam Kenefic**Email:** liamkenefic2014@rsu26.org**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 3

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Samuel Kenney

Email: kenneysam97@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Sedona Lucas

Email: sedona.99@hotmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Erin Luthin

Email: erinluthin2016@rsu26.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Kenneth MacDougall

Email: kmacdougall3@aol.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Kayla Marquis

Email: kaylamarquis2013@rsu26.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Conor McKaig

Email: cbmckaig@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Isaac McKillen-Godfried

Email: isaacmckillen-godfried2013@rsu26.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Andrew Moreira

Email: amoreira1327@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Student at University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Garry Morneault**Email:** garrymorneault2015@rsu26.org**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI High School Student at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Elizabeth Morrison**Email:** fern.morrison@foxcroftacademy.org**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI High School Intern at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Braydon Norris**Email:** bnorris15@johnbapst.org**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI High School Intern at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Laura Phipps**Email:** phippsl@hermon.net**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 2**Contribution to the Project:** SSI High School Intern at University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Zach Rice**Email:** rachelrice@umpi.edu**Most Senior Project Role:** High School Student**Nearest Person Month Worked:** 0

Contribution to the Project: SSI high school student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No

International Travel: No

Wunderly Rote

Email: wunderly1997@hotmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 2

Contribution to the Project: SSI High School Intern at University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Emilie Seavey

Email: emilie.seavey@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Nicholas Stewart

Email: nstewart9@hotmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

Katherine Syphers

Email: katherinesyphther2015@rsu26.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Diana Tyutyunnyk

Email: di-namite4run@hotmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Sija Wang

Email: angelaniuniu@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine Presque Isle

Funding Support: None

International Collaboration: No
International Travel: No

Abigail Weigang

Email: abigailweigang2015@rsu26.org

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Anna Weigang

Email: annaweigang@gmail.com

Most Senior Project Role: High School Student

Nearest Person Month Worked: 0

Contribution to the Project: SSI high school student at the University of Maine

Funding Support: None

International Collaboration: No
International Travel: No

Leonard Agneta**Email:** leonard.agneta@maine.edu**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0**Contribution to the Project:** State EPSCoR Advisory Board Member**Funding Support:** None**International Collaboration:** No**International Travel:** No

Ted Ames**Email:** ted.ames7@gmail.com**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI staff at Bowdoin College**Funding Support:** None**International Collaboration:** No**International Travel:** No

Andrew Anderson**Email:** andrew@usm.maine.edu**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0**Contribution to the Project:** State EPSCoR Advisory Board Member**Funding Support:** None**International Collaboration:** No**International Travel:** No

Charles Baeder**Email:** csbaeder@fairpoint.net**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0**Contribution to the Project:** SSI research personnel at the Belgrade Regional Conservation Alliance**Funding Support:** None**International Collaboration:** No**International Travel:** No

Pamela Baker**Email:** pbaker@bates.edu**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0

Contribution to the Project: State EPSCoR Advisory Board Member

Funding Support: None

International Collaboration: No

International Travel: No

LuAnn Ballesteros

Email: LuAnn.Ballesteros@jax.org

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: State EPSCoR Advisory Board Member

Funding Support: None

International Collaboration: No

International Travel: No

Sharon Barker

Email: sbarker@maine.edu

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: Director of the Women's Resource Center

Funding Support: None

International Collaboration: No

International Travel: No

Samantha Bedore

Email: sbedore@my.uri.edu

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: Staff at Camp CaPella

Funding Support: None

International Collaboration: No

International Travel: No

Tom Berger

Email: trberger@colby.edu

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: Maine STEM Collaborative Member

Funding Support: None

International Collaboration: No
International Travel: No

Anita Bernhardt

Email: anita.bernhardt@maine.edu

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: Maine STEM Collaborative Member

Funding Support: None

International Collaboration: No

International Travel: No

Christopher Boudreau

Email: christopher.l.boudreau@maine.gov

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: Maine STEM Collaborative Member

Funding Support: None

International Collaboration: No

International Travel: No

Faye Boyle

Email: faye.boyle@umit.maine.edu

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: Administrative Associate at Women's Resource Center

Funding Support: None

International Collaboration: No

International Travel: No

Deb Briendel

Email: Td3iii@aol.com

Most Senior Project Role: Other

Nearest Person Month Worked: 0

Contribution to the Project: Program Director at Camp Capella

Funding Support: None

International Collaboration: No

International Travel: No

Pam Buffington**Email:** pbuffington@edc.org**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0**Contribution to the Project:** Maine STEM Collaborative Member**Funding Support:** None**International Collaboration:** No**International Travel:** No

John Burns**Email:** john@segfmaine.com**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0**Contribution to the Project:** State EPSCoR Advisory Board Member**Funding Support:** None**International Collaboration:** No**International Travel:** No

Habib Dagher**Email:** hd@umit.maine.edu**Most Senior Project Role:** Other**Nearest Person Month Worked:** 0**Contribution to the Project:** State EPSCoR Advisory Board Member**Funding Support:** None**International Collaboration:** No**International Travel:** No

Cynthia Growe**Email:** growe@maine.edu**Most Senior Project Role:** Other**Nearest Person Month Worked:** 2**Contribution to the Project:** Maine EPSCoR Financial Administrator at the University of Maine**Funding Support:** None**International Collaboration:** No**International Travel:** No

Caroline Hamel**Email:** carol.hamel@umit.maine.edu**Most Senior Project Role:** Other**Nearest Person Month Worked:** 2

Contribution to the Project: SSI Administrative Specialist at the University of Maine

Funding Support: None

International Collaboration: No

International Travel: No

What other organizations have been involved as partners?

Name	Type of Partner Organization	Location
Acadia Natinoal Park	State or Local Government	Maine
American Forest Management	Other Organizations (foreign or domestic)	Maine
Brunswick, Town of	State or Local Government	Maine
Buying Club Software	Industrial or Commercial Firms	Maine
Center for Workforce Research and Information	Other Nonprofits	Maine
Challenger Learning Center	Other Nonprofits	Maine
Clark University	Academic Institution	Massachusetts
Clemson University	Academic Institution	South Carolina
College of the Atlantic	Academic Institution	Maine
Eastern Maine Community College	Academic Institution	Maine
Eastern Maine Development Corporation	Other Nonprofits	Maine
Educate Maine	Other Nonprofits	Maine
Androscoggin River Watershed Council	Other Nonprofits	Maine
Food and Medicine	Other Nonprofits	Maine
Freeport, Town of	State or Local Government	Maine
Frenchman Bay Partners	Other Nonprofits	Maine
Greater Portland Council of Govts	State or Local Government	Maine
Gulf of Maine Research Institute	Academic Institution	Maine
Hancock County Planning Commission	State or Local Government	Maine

Harvard University	Academic Institution	Massachusetts
Hirosaki University	Academic Institution	Japan
Johns Hopkins University	Academic Institution	Maryland
Leuphana University	Academic Institution	Germany
Aptuitiv	Industrial or Commercial Firms	Maine
Lincoln Institute of Land Policy	Academic Institution	Maine
Maine Campus Compact	Other Nonprofits	Maine
Maine Coast Heritage Trust	Other Nonprofits	Maine
Maine Department of Education	State or Local Government	Maine
Maine Department of Environmental Protection	State or Local Government	Maine
Maine Department of Marine Resources	State or Local Government	Maine
Maine Development Foundation	Other Nonprofits	Maine
Maine Food Strategy	Other Nonprofits	Maine
Maine Forest Service	State or Local Government	Maine
Maine Geographic Alliance	Other Nonprofits	Maine
Bar Harbor Wastewater Treatment Plant	State or Local Government	Maine
Maine Geological Survey	State or Local Government	Maine
Maine Indian Basketmakers Alliance	Other Nonprofits	Maine
Maine Lakes Society	Other Nonprofits	Maine
Maine Mathematics & Science Alliance	Other Nonprofits	Maine
Maine Rivers	Other Nonprofits	Maine
Maine Robotics	Other Nonprofits	Maine
Maine State Planning Office, Land Use	State or Local Government	Maine

Maine Volunteer Lake Monitoring Program	Other Nonprofits	Maine
Manomet Center for Conservation Sciences	Other Nonprofits	Maine
NASA Ames Laboratory	State or Local Government	California
Belfast Area High School	School or School Systems	Maine
National Center for Ecological Analysis & Synthetics	State or Local Government	California
National Estuarine Research Reserve System	State or Local Government	New Hampshire
National Oceanic and Atmospheric Administration	State or Local Government	Maryland
Orono, Town of	State or Local Government	Maine
Penobscot East Resource Center	Other Nonprofits	Maine
Penobscot Nation	State or Local Government	MAine
Penobscot Theatre Company	Other Nonprofits	Maine
Rachel Carson National Wildlife Refuge	State or Local Government	Maine
Rangeley Lakes Heritage Trust	Other Nonprofits	Maine
Rangeley Outdoor Sporting Heritage Museum	Other Nonprofits	Maine
Belgrade Lakes Regional Conservation	Other Nonprofits	Maine
Rangeley Sportsmens and Guides Association	Other Nonprofits	Maine
Saco River Salmon Club	Other Nonprofits	Maine
Saco, City of	State or Local Government	Maine
St. Regis Mohawk Tribe	State or Local Government	New York
The Randforce Associates, LLC	Other Organizations (foreign or domestic)	New York
USDA Forest Service	School or School Systems	Vermont
University of Colorado	Academic Institution	Colorado
University of Southern Maine	Academic Institution	Maine

Verso Paper	Other Organizations (foreign or domestic)	Tennessee
Biddeford Conservation Commission and Open Space Committee	State or Local Government	Maine
Waterview Consulting	Other Organizations (foreign or domestic)	Maine
Wells National Estuarine Research Reserve	Other Nonprofits	Maine
Yale University	Academic Institution	Connecticut
iPlant (NSF Center)	Other Nonprofits	Arizona
Brewer Wastewater Treatment Plant	State or Local Government	Maine
Brookfield Renewable Energy	Other Organizations (foreign or domestic)	Canada

Full details of organizations that have been involved as partners:

Acadia National Park

Organization Type: State or Local Government

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

American Forest Management

Organization Type: Other Organizations (foreign or domestic)

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Androscoggin River Watershed Council

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Aptuitiv**Organization Type:** Industrial or Commercial Firms**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Bar Harbor Wastewater Treatment Plant**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Belfast Area High School**Organization Type:** School or School Systems**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Belgrade Lakes Regional Conservation**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Biddeford Conservation Commission and Open Space Committee**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Brewer Wastewater Treatment Plant**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Brookfield Renewable Energy**Organization Type:** Other Organizations (foreign or domestic)**Organization Location:** Canada**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Brunswick, Town of**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Buying Club Software**Organization Type:** Industrial or Commercial Firms**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Center for Workforce Research and Information**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Challenger Learning Center

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Clark University

Organization Type: Academic Institution

Organization Location: Massachusetts

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Clemson University

Organization Type: Academic Institution

Organization Location: South Carolina

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

College of the Atlantic

Organization Type: Academic Institution

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Eastern Maine Community College

Organization Type: Academic Institution

Organization Location: Maine

Partner's Contribution to the Project:

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Eastern Maine Development Corporation

Organization Type: Other Nonprofits

Organization Location: Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Educate Maine**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Food and Medicine**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Freeport, Town of**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Frenchman Bay Partners**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Greater Portland Council of Govts**Organization Type:** State or Local Government**Organization Location:** Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Gulf of Maine Research Institute

Organization Type: Academic Institution

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Hancock County Planning Commission

Organization Type: State or Local Government

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Harvard University

Organization Type: Academic Institution

Organization Location: Massachusetts

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Hirosaki University

Organization Type: Academic Institution

Organization Location: Japan

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Johns Hopkins University

Organization Type: Academic Institution

Organization Location: Maryland

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Leuphana University**Organization Type:** Academic Institution**Organization Location:** Germany**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Lincoln Institute of Land Policy**Organization Type:** Academic Institution**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Campus Compact**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Maine Coast Heritage Trust**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Department of Education**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Department of Environmental Protection**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Department of Marine Resources**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Development Foundation**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Food Strategy**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Forest Service**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Geographic Alliance**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Geological Survey**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Indian Basketmakers Alliance**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Lakes Society**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Maine Mathematics & Science Alliance**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Maine Rivers

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Maine Robotics

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Maine State Planning Office, Land Use

Organization Type: State or Local Government

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Maine Volunteer Lake Monitoring Program

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Manomet Center for Conservation Sciences

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

NASA Ames Laboratory

Organization Type: State or Local Government

Organization Location: California

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

National Center for Ecological Analysis & Synthetics

Organization Type: State or Local Government

Organization Location: California

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

National Estuarine Research Reserve System

Organization Type: State or Local Government

Organization Location: New Hampshire

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

National Oceanic and Atmospheric Administration

Organization Type: State or Local Government

Organization Location: Maryland

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Orono, Town of

Organization Type: State or Local Government

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Penobscot East Resource Center

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Penobscot Nation

Organization Type: State or Local Government

Organization Location: MAine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Penobscot Theatre Company

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Other: Collaborative Workforce Development

More Detail on Partner and Contribution:

Rachel Carson National Wildlife Refuge

Organization Type: State or Local Government

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Rangeley Lakes Heritage Trust

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Rangeley Outdoor Sporting Heritage Museum

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Rangeley Sportsmens and Guides Association**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Saco River Salmon Club**Organization Type:** Other Nonprofits**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Saco, City of**Organization Type:** State or Local Government**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

St. Regis Mohawk Tribe**Organization Type:** State or Local Government**Organization Location:** New York**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

The Randforce Associates, LLC**Organization Type:** Other Organizations (foreign or domestic)**Organization Location:** New York**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

USDA Forest Service**Organization Type:** School or School Systems**Organization Location:** Vermont**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

University of Colorado**Organization Type:** Academic Institution**Organization Location:** Colorado**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

University of Southern Maine**Organization Type:** Academic Institution**Organization Location:** Maine**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

University of Utah**Organization Type:** Academic Institution**Organization Location:** Utah**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Verso Paper**Organization Type:** Other Organizations (foreign or domestic)**Organization Location:** Tennessee**Partner's Contribution to the Project:**

Collaborative Research

More Detail on Partner and Contribution:

Waterview Consulting

Organization Type: Other Organizations (foreign or domestic)

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Wells National Estuarine Research Reserve

Organization Type: Other Nonprofits

Organization Location: Maine

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

Yale University

Organization Type: Academic Institution

Organization Location: Connecticut

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

iPlant (NSF Center)

Organization Type: Other Nonprofits

Organization Location: Arizona

Partner's Contribution to the Project:

Collaborative Research

More Detail on Partner and Contribution:

What other collaborators or contacts have been involved?

NO

Impacts

What is the impact on the development of the principal discipline(s) of the project?

Our project has had two main impacts on the emerging field of sustainability science. First, as stated by Robert W. Kates, co-founder of the field of sustainability science, "SSI...is the only endeavor in the U.S. where all of the statewide institutions of higher education have come together not merely to address sustainability science research, but to see that research move into action" (<http://digitalcommons.library.umaine.edu/cgi/viewcontent.cgi?>

[article=1004&context=mpr](#)). In Section 1.6H, we briefly summarize three examples of recent progress in moving our sustainability science research into action.

Second, our organizational innovation research has blazed new trails in developing and testing scientific models designed to increase the effectiveness of interdisciplinary collaboration and researcher-stakeholder partnerships. As evidenced by these recent publications, our project has made major contributions to both the emerging “science of team science” and the development of solutions-oriented university-community partnerships:

Gardner, S. K. Bridging the divide: Tensions between the biophysical and social sciences in an interdisciplinary sustainability science project. *Environment and Natural Resources Research*. (In Press.)

Cosley, B., McCoy, S.K., Gardner, S. Collaborative voice: Examining the role of voice in interdisciplinary collaboration. *Journal of Applied Psychology*. In press.

Waring, T.M., Goff, S.H., McGuire, J., Moore, Z.D., & Sullivan, A. Cooperation across organizational boundaries: Experimental evidence from a major sustainability science project, *Sustainability*, 6(3), 1171-1190. 2014.

McGreavy, B., Silka, L. & Lindenfeld, L. Interdisciplinarity and actionable science: Exploring the generative potential in difference. *Journal of Community Practice*. 2014.

Owen, Dave and Noblet, Caroline L. Interdisciplinary Research and Environmental Law. *Ecology Law Quarterly*. 2014.

Jansujwicz, J.S., Johnson, T.R. The Maine Tidal Power Initiative: transdisciplinary sustainability science for the responsible development of tidal power. *Sustainability Science*. DOI: DOI [10.1007/s11625-014-0263-7](https://doi.org/10.1007/s11625-014-0263-7). 2014.

Silka, L., Glover, R., Hutchins, K., Lindenfeld, L.A., Blackstone, A., Elliott, C., Ladenheim, M., and Sullivan, C. Moving beyond the single discipline: Building a scholarship of engagement that permeates higher education. *TAMARA. Journal for Critical Organizational Inquiry*, Vol 11, No 4

What is the impact on other disciplines?

Our project has demonstrated how research universities can more effectively draw upon and integrate their expertise in science, technology, engineering, and mathematics to help solve urgent sustainability societal challenges. Based on a multiple case study* of our project and five other projects at other major U.S. research universities, we identified five lessons that can help researchers and research universities increase their problem-solving capacity:

Lesson 1: Higher education must focus on solutions as well as knowledge

Many universities already support applied research and engineering programs, upon which new sustainability initiatives can build. The creative fusion of basic and applied research can illuminate the path to solutions most effectively, as argued by Donald Stokes and other scholars. Addressing complex societal problems presents new research questions and requires crafting of new theory and analytic methods. In essence, we need strategies for pursuing knowledge that more effectively spans the worlds of theory and practice.

Lesson 2: Solving sustainability problems requires interdisciplinary collaboration

Because sustainability problems are multi-dimensional, they cannot be solved via piecemeal analyses from any one discipline. Fortunately, universities represent one of civilization’s greatest living collections of diverse knowledge. In the past, however, academia has done a better job of seeing the world through separate disciplinary lenses than it has of integrating knowledge across disciplines. This is due in large part to differences in the goals, traditions, languages, and professional reward systems among disciplines. Rather than accepting these limitations, however, universities should take bold steps to mobilize their knowledge in service of society, which can simultaneously enhance the image and relevance of higher education.

Lesson 3: Partnerships with stakeholders are essential

Of course, university-community partnerships are not new. The Cooperative Extension Service was established a century ago to facilitate translation of university knowledge for the benefit of the public. Now more than ever, we need to expand this collaborative capacity, with an emphasis on promoting the *two-way* exchange of knowledge and needs. By establishing strong partnerships based on mutual respect and trust, we are also creating resilient social networks that can respond dynamically to the challenges of a rapidly changing world.

Lesson 4: Innovative, creative organizations facilitate solutions

A number of creative strategies for organizational change can help increase the capacity of universities to solve sustainability problems. Although change can begin with either a top-down initiative by senior administrators or a “grass-roots” effort by faculty, the prospects for long-term change are enhanced by genuine partnerships. Faculty need to be involved early in program design to build collective ownership. One effective strategy has been to create “gathering places” for faculty and students to learn about real-world problems, connect with outside stakeholders, explore interdisciplinary opportunities, and strengthen collaborative capacity. Whether configured as interdisciplinary centers, institutes, or schools, these places serve a different institutional purpose than do traditional departments. Given the trailblazing nature of sustainability problem-solving, their design should foster a culture that facilitates risk-taking, tolerates and learns from mistakes, and maintains long-term focus.

Lesson 5: Research on organizational change helps create effective structure and culture

Bold “organizational experiments” underway at many universities to tackle sustainability challenges provide special opportunities to study the factors that facilitate organizational change. These research results can in turn be applied to create more effective organizations. Such research can identify best practices for promoting change within a single organization. It can also develop comparative analyses across organizations to assess whether the most effective practices differ depending on a university’s size, its scope of research and partnerships, or its private vs. public status.

*Hart, David D., James L. Buizer, Jonathan A. Foley, Lewis E. Gilbert, Lisa J. Graumlich, Anne R. Kapuscinski, Jonathan G. Kramer, Margaret A. Palmer, David R. Peart, Linda Silka. 2014. Mobilizing the power of higher education to tackle the grand challenge of sustainability: Lessons from novel organizational experiments. *In review*.

Our project has also had a major impact on faculty and students from more than 20 disciplines at the University of Maine. Specifically, UMaine President Susan Hunter recently stated that “the Sustainability Solutions Initiative is clearly one of the most ambitious initiatives the University of Maine has ever launched.” In recognition of the trailblazing nature of SSI, UMaine just identified “Sustainability Solutions and Technologies” as one of a handful of Emerging Research Areas that represent priorities for future growth and research investment.

What is the impact on the development of human resources?

SSI has provided multiple opportunities to increase research in sustainability science across disciplines and institutions. This has continued in the no-cost extension through seed funding of new research projects and additional proposal development opportunities. These approaches are fully supported by Mitchell Center staff who play key roles in assisting teams, especially researchers new to the field of sustainability science, in developing the necessary tools to manage a successful research project including support of interdisciplinary team development and engagement with stakeholders.

The Mitchell Center continues to provide a mechanism for team members to request funds to bring external researchers to Maine. The goal is to increase knowledge of sustainability science for team members and to create learning opportunities for a larger audience of faculty, students and stakeholders.

The Mitchell Center is committed to bringing together interdisciplinary teams to work on key sustainability issues broached by stakeholders and to provide seed funding to establish these teams and stakeholder networks until additional funding can be found. The Mitchell Center has provided funding for development of one such research team during the no-cost extension.

By providing direct research support for SSI participation at all levels and engaging all aspects of the state’s human and institutional resources, Maine EPSCoR is broadening participation in STEM and fostering the next generation of

sustainability science professionals. Specific examples of SSI's roles in positively impacting Maine's human resources include:

1. Increased capacity for students in grades 9-20 to participate and make meaningful contributions to cutting edge interdisciplinary research.
2. Increased opportunities for all students to participate in STEM-related activities statewide.
3. Increased number of professional K-12 teachers who have a deeper understanding of research methodologies and have now begun to incorporate real world research into their curriculums.
4. Increased number of students pursuing higher degrees in SSI-related and STEM-related fields.
5. Increased number of informal and formal networking opportunities for researchers, professionals, and educators to work together and collaborate to increase the number of educational STEM opportunities for students statewide.
6. Increased number of women and underrepresented minorities participating in and pursuing SSI and STEM related research.
7. Fostering the next generation of sustainability science professionals will aid in solving complex challenges at the intersecting ecological, social, and economic dimensions of sustainable development.
8. Investing in significant human infrastructure allows for Maine to build capacity and competitiveness in sustainability science.

What is the impact on physical resources that form infrastructure?

SSI and Mitchell Center team members continue to use the Communications Center on a regular basis for courses, seminars, meetings and workshops. It is a key tool in improving integration and synergy between institutional partners. External organizations who have utilized the video conferencing system during the prior six months include: University of Southern Maine, University of Maine School of Law, Colby College, The Nature Conservancy, Darling Marine Center, University of New Hampshire, University of New England, Maine Dept. of Marine Resources, NOAA, New Hampshire Dept. of Wildlife, along with numerous individuals.

Investments were made in a cyber infrastructure back-up system for offsite back-up; high-performance computing (HPC) power; and ability to bring more HPC nodes online. An investment was also made in equipment to enhance hydrology-related efforts.

What is the impact on institutional resources that form infrastructure?

One of the most profound impacts of the NSF EPSCoR Track 1 grant is the creation of a new interdisciplinary research center, the Senator George J. Mitchell Center for Sustainability Solutions. The establishment of the new center was announced at the 2014 Mitchell Lecture on Sustainability on October 2, 2014, at which Senator Mitchell was present. The new Mitchell Center for Sustainability Solutions serves as the statewide nexus for interdisciplinary collaborations and university-community partnerships focused on understanding and solving pressing sustainability problems.

SSI's innovative approach to solutions-oriented, stakeholder-engaged, interdisciplinary research and education is also shaping the future of the entire University of Maine and many other Maine universities and colleges. An initiative at UMaine that was designed to designate 'signature' and 'emerging' research areas has been completed and the Mitchell Center led proposal titled, "Sustainability Solutions and Technologies" was selected as an emerging research area. Advancing these Signature and Emerging Areas is an important consideration for UMaine as the institution plans for the future and balances competing interests.

A number of major research proposals (total request ~ \$33,276,618 million) have been developed by SSI faculty in YR5ext that seek to integrate disciplinary expertise in natural science, social science and engineering, and that focus explicitly on connecting scientific knowledge with societal action regarding sustainability challenges. The recently

funded NSF EPSCoR RII Track 1 project (SEANET) involves a number of SSI faculty (two in leadership roles). Its research emphasis on sustainable ecological aquaculture builds on the learning and knowledge initiated through SSI.

Cyber infrastructure investments enhance the Advanced Computing Group (ACG) capabilities. ACG serves the supercomputing, visualization, data, and cloud needs for the University of Maine System; this group also provides services for other entities in Maine. A Data Management Workshop was held on November 18/19, 2014.

What is the impact on information resources that form infrastructure?

The portal that was created for data management (<http://maine-epscor-dataportal.acg.maine.edu>) was used for project descriptions, names of team members, associated publications, and in some instances data. Scientific and technical publications associated with SSI were catalogued and appropriately formatted. Individual team project portals were developed and used for establishing Dataverse files for SSI faculty, postdoctorates, and graduate students. Dataverse links were developed for the DSpace data collected by the Sustainable Urban Regions Project.

What is the impact on technology transfer?

SSI's impact on technology transfer is being achieved in two ways: 1) through the transfer of results to entities in government, the private sector and non-governmental organizations; and 2) via the adoption of new practices by those organizations. Specific examples of SSI's roles in technology transfer include:

Collaboration with the Wildlife Conservation Society and Colorado State University on a conservation planning manual (Project #1).

Collaboration with a national research team on vernal pool national policy and future research initiatives (Project #1).

Engaged communities in York and Cumberland counties in a full regional scale planning effort for sustainable development (Project #2)

Maine Futures Community Mapper (MFCM) utilized by Androscoggin Valley Council of Governments (AVCOG) in town planning processes. The MFCM provides a linkage between SSI research and various stakeholders, and is considered a model "best practice" for sustainability science. (Project #6)

Hosted Hirosaki University and other collaborators for the 2nd International Marine Energy Symposium September 16-18, 2014. (Project #18)

Development of collaborative problem-solving strategies for adaptation to a post EAB world between researchers, tribes, basketmakers and regulators. Addressing of long standing issues around access by tribal resource gatherers to brown ash resources. (Project #13)

Collaboration with the Highland Lake Association to start a volunteer alewife count at Highland Lake in the Presumpscot River drainage as the first step towards a harvest independent assessment of alewife passage at a non-harvested site. (Project #19)

Work in collaboration with the Belgrade Regional Conservation Alliance, Belgrade Lakes Association, and Maine Lakes Resource Center to develop a Belgrade Lakes Watershed plan. (Project #20)

Created the Saco River Estuary Stewardship Network. Provided stakeholders with information about threats to the estuary, including sea level rise, invasive *Phragmites australis*, water pollutants (nutrients and *E. coli*), and land use change in the shoreland zone. Working with stakeholders to manage these threats. (Project #21)

Report produced in conjunction with the "Grass Biomass Feasibility Group". (Project #24)

Worked on pond level management strategy in attempt to improve water quality of Quimby Pond. Provided collaborative assistance to other pond interest groups about water quality monitoring and shoreline improvements. (Project #25)

Developed three applications on Google Play and Apple App Store. Made continuous improvements in response to user reports and other needs. (Project #25)

Data showed that wild turkeys are an avian reservoir for vector born blood parasites, and may be part of the life cycle of an emerging virus, LPDV. Maine Inland Fisheries and Wildlife (IFW) has temporarily halted wild turkey relocation-repopulation programs in Maine due to this result. Data provided to IFW and Wildlife Wild Turkey Working Group in September 2014. (Project #27)

Developments of user-friendly Decision Support System tools have the possibility of commercialization.

What is the impact on society beyond science and technology?

SSI's research is explicitly designed to advance not only scientific understanding, but data-driven solutions to pressing problems at the nexus of environmental, social, and economic issues. As illustrated by the following examples, interdisciplinary teams of faculty and students have continued this solutions-development process in collaboration with key stakeholders during the no-cost extension.

Development of the Maine Futures Community Mapper (Project #6) was completed and the tool went live (<http://www.mainelandusefutures.org/>) in spring 2014. The MFCM was designed as an interactive spatial mapping tool that allows external stakeholders to apply the team's suitability models to K-A planning issues of local and regional significance. The team continues to host workshops and give presentations demonstrating the model, its capabilities, and applications. It is anticipated that this will help broaden the use of the tool by local organizations. The Androscoggin Valley Council of Governments (AVCOG) used the MFCM in updating the Town of Hebron's comprehensive planning process. Presentations to local stakeholders include: AVCOG; PenBay Regional Land Trust; Orono Land Trust; Eastern Maine Development Corp; Maine Land Trust Alliance Annual Meeting; Regional Conservation Partnership Network Gathering. Also in production are a three-minute introductory video and a 20-minute training video for the MFCM.

Faculty and students hosted a three-day Black Ash Symposium in November, 2014 at UMaine (Project #13). This symposium brought together experts in the science, management, and traditional uses of black ash (also referred to as brown ash by many tribal communities) from a wide range of institutions (e.g., U.S. and Canadian universities; federal and state agencies including the U.S. Forest Service and Bureau of Indian Affairs; non-governmental organizations such as the Maine Indian Basketmakers Alliance, Minnesota Forest Resources Council, and Vermont Land Trust; representatives of tribal government in Maine and New York; tribal ash harvesters and basket makers). One theme emerging from the symposium was that the emerald ash borer is unlikely to eliminate black ash from Maine, but stands of trees suitable for basketmaking will become more scarce and harder for tribal communities to access. This led to an increased focus on increasing access to black ash stands on private lands, and has resulted in meetings between tribal members and major private landowners to develop new opportunities for access and collaboration.

Researchers have developed a Special Area Management Plan (SAMP) for vernal pools with the US Army Corps of Engineers. The plan includes a local in-lieu fee mechanism similar to a transfer of development rights. The team (Project #1 - Calhoun, Bell, Levesque) has submitted a draft of the SAMP to the US Army Corps of Engineers for consideration for an alternative federal regulation of vernal pools in municipalities in Region 1. This document is currently under revision.

Changes/Problems

Changes in approach and reason for change

Nothing to report.

Actual or Anticipated problems or delays and actions or plans to resolve them

Nothing to report.

Changes that have a significant impact on expenditures

Nothing to report.

Significant changes in use or care of human subjects

Nothing to report.

Significant changes in use or care of vertebrate animals

Nothing to report.

Significant changes in use or care of biohazards

Nothing to report.

Special Requirements

Responses to any special reporting requirements specified in the award terms and conditions, as well as any award specific reporting requirements.

Nothing to report.