

Acadia National Park Research Permits, as of July 22, 2019

Wildlife & Biodiversity

Christina Davy	Trent University	Using immunogenetic tools to assess the impact of white-nose syndrome on the eastern small-footed bat (<i>Myotis leibii</i>)
Seth Benz	Schoodic Institute at Acadia National Park	Schoodic's Motus Wildlife Tower Tracking System
Stephen Ressel	College of the Atlantic	Coastal vernal pools in Acadia National Park as breeding habitat for spotted salamanders (<i>Ambystoma maculatum</i>)
David Evers	Biodiversity Research Institute	Identifying activities and habitat preferences of remnant populations of Myotis bats
Mark Whiting	Hancock County Soil and Water Conservation District	Maine brook trout and water quality: A volunteer-based water quality survey of Mount Desert Island streams
Seth Benz	Schoodic Institute at Acadia National Park	SeaWatch: A citizen science project monitoring fall seabird migrations off Schoodic Point and Otter Cliff
Seth Benz	Schoodic Institute at Acadia National Park	Long-term monitoring of fall raptor migrations in Acadia using the protocol of the Hawk Migration Association of North America
Bik Wheeler	National Park Service	Intensified monitoring to inform conservation of peregrine falcons in Maine
Aaron Weed	National Park Service	Northeast Temperate Inventory & Monitoring Network forest bird monitoring
Richard Feldman	Yucatan Center for Scientific Research	Phenology of bird-fruit interactions on the Schoodic Peninsula
Seth Benz	Schoodic Institute	Schoodic Institute biodiversity and phenology citizen science observations

Danielle Herrig	University of Kentucky	Host-shift induced species formation in herbivorous insects
Ring Carde	University of California – Riverside	Pheromone biology of the moth <i>Virbia (Holomelina) lamae</i>
Lara Wilbur	National Park Service	Maine Bumble Bee Atlas Project at Acadia National Park
Frank Distefano	DiscoverLife Project at University of Georgia	Photography of Acadia National Park moths in support of Discover Life's Mothing Project
Alexa Pezzano	National Park Service	Schoodic Education Adventure soil exploration
Michael Marion	National Park Service	Acadia Education Program: Biodiversity discovery activities

Freshwater

Kathryn Miller	National Park Service	Northeast Temperate Inventory & Monitoring Network freshwater wetland monitoring
Sarah Hall	College of the Atlantic	Stream monitoring at seven sites within Acadia National Park
Sarah Nelson	University of Maine	Zooplankton phenology in Maine lakes
Laura Katz	Smith College	Microbial biodiversity in Acadia National Park: amoebae at Big Heath and ciliates in tide pools
Justin Schlawin	Maine Natural Areas Program	Innovative methods to assess Maine's unique and resilient wetlands
Glen Mittelhauser	Maine Natural History Observatory	Assessment of water levels in Great Meadow
Christopher Nadeau	University of Connecticut	Biodiversity and climate change in Acadia's freshwater rock pools

Intertidal & Marine

Susan Brawley	University of Maine	Effects of climate change on reproductive phenology and the macroalgal microbiome
Alexa Pezzano	National Park Service	Schoodic Education Adventure intertidal exploration
John Cigliano	Cedar Crest College	The effects of ocean acidification and climate change on temperate marine rocky intertidal communities
James Lynch	National Park Service	Elevation monitoring of salt marsh habitats of Acadia National Park
Catherine Matassa	University of Connecticut	Intertidal community assembly and dynamics: regional variation in environmental factors and predator-prey interactions
Chris Petersen	College of the Atlantic	Historical ecology of tide pool flora and fauna at Acadia National Park
Hannah Webber	Schoodic Institute at Acadia National Park	Conserving rockweed animal systems for a sustainable harvest
David DeLaMater	Duke University	Biogeographic patterns of plant-herbivore interactions in a salt marsh foundation species
Chris Petersen	College of the Atlantic	Clam recruitment, predation, and acidity in intertidal mudflats
Adam Kozlowski	National Park Service	Northeast Temperate Inventory & Monitoring Network Rocky Intertidal Monitoring Program
Michele LaVigne	Bowdoin College	Reconstructing the history of ocean acidification in the Gulf of Maine using crustose coralline algae
Anna Farrell	MDI Biological Laboratory	Comparison of eelgrass (<i>Zostera marina</i>) sites in upper Frenchman Bay and outer Frenchman Bay
John Cigliano	Cedar Crest College	Marine microplastics in Acadia National Park

Plants

Susan Letcher	College of the Atlantic	Study of striped maple (<i>Acer pensylvanicum</i>) sex expression
Michelle Baumflek	USDA Forest Service	Protect natural resources by developing plant gathering protocols with Indian Tribal gatherers
Elizabeth Orcutt	Schoodic Institute at Acadia National Park	Tracking seasonal changes in eight plant species by creating a phenology walk at the Schoodic Education and Research Center
Jeff Licht	University of Massachusetts, Boston	Continuing biogeochemical assessment of pitch pine refugia on Mount Desert Island
William Brumback	New England Wild Flower Society/Native Plant Trust	Developing climate change-resilient restoration techniques on Cadillac Mountain
William Brumback	New England Wild Flower Society/Native Plant Trust	The New England Plant Conservation Program
Maik Werning	University of Goettingen (Germany)	Comparing the structural complexity of coniferous, deciduous, and mixed forest stands based on terrestrial three-dimensional laser scanning
Jeanette Allogio	University of Maine	Requirements for successful regeneration of Northern white cedar in lowland swamps in Maine
Nicholas Fisichelli	Schoodic Institute at Acadia National Park	Examining the future forest through a common garden experiment on education campuses across Maine
Nicholas Fisichelli	Schoodic Institute at Acadia National Park	Tree migrants and refugium potential of Acadia National Park

Nicholas Fisichelli	Schoodic Institute at Acadia National Park	From seed predation to seed germination: examining the establishment phase for woody plants in Acadia
Nicholas Fisichelli	Schoodic Institute at Acadia National Park	Schoodic forest regeneration assessment
Nicholas Fisichelli	Schoodic Institute at Acadia National Park	How Acadia's different ecological communities respond to a warming climate
Nicholas Fisichelli	Schoodic Institute at Acadia National Park	Maine Forest Observation Network
Nicholas Fisichelli	Schoodic Institute at Acadia National Park	Acadia islands forest and flora
Aaron Weed	National Park Service	Northeast Temperate Inventory & Monitoring Network forest health monitoring
Stephanie Spera	University of Richmond	Climate change, fall foliage, and leaf-peepers: Effects of precipitation and temperature on fall foliage and visitation in Acadia National Park
Sarah Nelson	University of Maine	The Dragonfly Mercury Project: Engaging citizen scientists in monitoring mercury contamination in national parks
Vivien Taylor	Dartmouth College	Tracing the sources and depositional history of mercury to national parks
James Pagano	State University of New York at Oswego	Ambient levels of persistent and emerging air toxics at Acadia National Park

Pests, diseases, & invasive species

Sara McBride	University of Maine	Habitat associations of ticks and tick-borne disease in Acadia National Park
Brooke Hafford MacDonald	University of Maine	Determinants of tick-borne disease risk in Acadia National Park
Rachel Nyce	USDA APHIS	Exotic wood boring and bark beetle survey
Jesse Wheeler	National Park Service	Emerald ash borer surveys using trap trees in Acadia National Park
Charles Lubelczyk	Maine Medical Center	Arbovirus surveillance in Hancock County, Maine
Thomas Schmeelk	Maine Forest Service	Southern pine beetle trapping
Nate Hofford	Ohio State University	Communicating the impact of non-native species on Acadia National Park

Geology

Mark Swanson	University of Southern Maine	Drone photography to study geologic structures around the Schoodic Peninsula
Sarah Hall	College of The Atlantic	Paleo-landslides of Mount Desert Island
Kenneth Christle	ETH Zürich	Impacts of compaction, recharge and tectonic forces on melt segregation in high silica granite plutons

Visitor Studies

Rebecca Flesh	Friends of Acadia	Acadia National Park winter 2019 visitor use study
Frederick Bianchi	Worcester Polytechnic Institute	Webcam monitoring of traffic and parking conditions
Frederick Bianchi	Worcester Polytechnic Institute	Visitor tracking mobile application
Frederick Bianchi	Worcester Polytechnic Institute	Carbon footprint calculation