

2021 Acadia National Park Research Permits (as of December 31, 2021)

Wildlife & Biodiversity

Gregory LeClair	University of Maine	Parameterizing environmental DNA detection for the conservation of threatened turtles
David Yates	Biodiversity Research Institute	Duck Brook Bridge: Potential bat hibernaculum survey
Stephen Ressel	College of the Atlantic	Coastal vernal pools in Acadia National Park as breeding habitat for spotted salamanders (<i>Ambystoma maculatum</i>)
Stephen Ressel	College of the Atlantic	Assessing the spatiotemporal occurrence of amphibians on Duck Brook Road during spring breeding migrations
Abigail Muscat	University of Maine	A pilot test of a long-term nearshore bird community monitoring program in Acadia National Park
Laura Sebastianelli	Independent Researcher	Bird sound recording to enhance bird ecology research
Christopher Nadeau	University of Connecticut	Daphnia responses to environmental change
Aaron Weed	NPS Northeast Temperate Network	Forest bird monitoring at Acadia National Park
Laura Katz	Smith College	Biodiversity of microbial Eukaryotes in Acadia National Park
Christina Murphy	USGS Maine Cooperative Fish and Wildlife Research Unit	Impact of invasive fishes on lake foodwebs in Acadia National Park
Seth Benz	Schoodic Institute	Biodiversity and phenology citizen science observations
Seth Benz	Schoodic Institute	Long-term monitoring of fall raptor migrations
William Helprin	Somes-Meynell Wildlife Sanctuary	Mount Desert Island Loon Study
Joseph Zydlewski	University of Maine	Assessing the distribution and abundance of bridled shiner (<i>Notropis bifrenatus</i>) in Maine
Allyson Jackson	Purchase College, SUNY	Cross-system subsidies in Acadia National Park: birds
David Yates	Biodiversity Research Institute	Identifying information key in the conservation of Myotis bats in Acadia National Park
Trevor Persons	Maine Department of Inland Fisheries and Wildlife	Surveys for Northern dusky salamander (<i>Desmognathus fuscus</i>) at Acadia National Park, Maine
Scott Weidensaul	Project SNOWstorm	Alpine wintering ecology of snowy owls in Acadia
Emma Albee	Schoodic Institute	eBird observations in Acadia National Park
Emma Albee	Schoodic Institute	Nature's Notebook observations in Acadia National Park

Water & Air

Rachel Fowler	University of Maine	Harmful algal blooms (HABs) on the horizon
James Pagano	State University of New York at Oswego	Ambient levels of persistent and emerging air toxics
Matthew Farragher	University of Maine	Ecological consequences of changing dissolved organic carbon concentrations in lakes of Acadia National Park

Mark Whiting	Hancock County Soil and Water Conservation District	Maine brook trout and water quality: A volunteer-based water quality survey of MDI streams
Julie Kelso	US Environmental Protection Agency	Streamflow duration assessment method
William Gawley	National Park Service, Acadia National Park	Jordan, Seal Cove, and Witch Hole ponds water quality monitoring
Glen Mittelhauser	Maine Natural History Observatory	Assess water levels in Great Meadow
Kathryn Miller	NPS Northeast Temperate Network	Freshwater wetland monitoring at Acadia National Park
Jeremy Deeds	Maine Department of Environmental Protection	Regional Lake Monitoring Network
Jamie Kilgo	National Park Service, Water Resources Division	Rapid response strategy for potential toxin exposures from HABS in coastal and shoreline areas of national parks
Colleen Emery	US Geological Survey	The Dragonfly Mercury Project
Peter Nelson	Schoodic Institute	Establishing a Schoodic climate station
Sarah Hall	College of the Atlantic	Mapping the Breakneck Brook Watershed dam failure and debris flow
Camille Parrish	Bates College	Water samples from Acadia National Park lakes

Intertidal & Marine

Susan Brawley	University of Maine	Experimental evolutionary cell biology using the Porphyra model system
Chris Petersen	College of the Atlantic	Historical Ecology of Tide Pool Flora and Fauna at Acadia National Park
Chris Petersen	College of the Atlantic	Clam recruitment, predation, and pH in intertidal mudflats
Caitlin Littlefield	University of Vermont	Coastal spruce-fir dynamics in the face of sea-level rise and salt marsh migration
James Lynch	NPS, Northeast Region	Elevation monitoring of salt marsh habitats in Acadia
Catherine Matassa	University of Connecticut	Intertidal community assembly and dynamics
Maria Fe Aragon Orrego	College of The Atlantic	Investigate the hydraulics of the Clark Bridge
Adam Kozlowski	NPS, Northeast Temperate Network	Rocky Intertidal Monitoring Program
Melenia Giakoumis	City University of New York	Population dynamics and conservation of Asterias sea stars in the north Atlantic
John Cigliano	Cedar Crest College	Marine microplastics in Acadia National Park
John Cigliano	Cedar Crest College	The effects of ocean acidification and climate change on temperate marine rocky intertidal communities
Hannah Webber	Schoodic Institute	Biodiversity of select soft sediment habitats in Acadia
Elizabeth Soranno	University of Rhode Island	A modern comparison of macroalgal diversity and abundance to historic surveys of the rocky intertidal shores in Acadia
Alexa Pezzano	NPS, Acadia National Park	Schoodic Education Adventure Intertidal Exploration

Jessica Moskowitz	Schoodic Institute	Maritime mammals as consumers in Schoodic Peninsula's intertidal zone
Elizabeth Halasz	Schoodic Institute	Assessing intertidal crab populations and phenology on Schoodic Peninsula using mark and recapture
Michelle Baumflek	USDA Forest Service, Southern Research Station	Protect natural resources by developing plant gathering protocols with Indian Tribal Gatherers
Laura Braun	University of Maine	Monitoring intertidal ecosystems: Development and implementation of a rapid assessment
John King	University of Rhode Island	Benthic habitat characterization and mapping for Assateague National Seashore and Acadia National Park
Michele LaVigne	Bowdoin College	Reconstructing the history of ocean acidification in the Gulf of Maine using crustose coralline algae
Tonya Prentice	Tremont Consolidated School	Bass Harbor water quality and intertidal crab populations

Plants

Susan Letcher	College of the Atlantic	Study of <i>Acer pensylvanicum</i> sex expression
Jeffrey Harriman	Maine Forest Service	Northeast Forest Inventory and Analysis
Jeff Licht	University of Massachusetts, Boston	Characterization of jack and pitch pine sympatry
William Brumback	Native Plant Trust	The New England Plant Conservation Program
William Brumback	Native Plant Trust	Develop climate change-resilient restoration techniques on Cadillac Mountain, Acadia National Park
Jay Wason	University of Maine	Stand dynamics and climate sensitivity of Maine's coastal spruce-fir forests
Aaron Weed	NPS, Northeast Temperate Network	Forest health monitoring at Acadia National Park
Christopher Nadeau	University of Connecticut	Does enhancing genetic diversity increase the long-term success of subalpine-plant restorations under climate change?
Alexa Pezzano	NPS, Acadia National Park	Schoodic Education Adventure Soil Exploration
Emily Jackson	Schoodic Institute	Climate change refugia on Schoodic Peninsula
Jill Weber	College of the Atlantic	Bass Harbor Marsh restoration
Jesse Wheeler	NPS, Acadia National Park	Monitoring forests impacted by carriage road washouts
Emma Albee	Schoodic Institute	iNaturalist observations in Acadia

Pests, diseases, & invasive species

Lundy Stowe	College of the Atlantic	Investigate red pine (<i>Pinus resinosa</i>) distribution and health
Jesse Wheeler	NPS, Acadia National Park	Emerald Ash Borer survey and outreach
Jesse Wheeler	NPS, Acadia National Park	Emerald Ash Borer surveys using girdled trap trees
Jesse Wheeler	NPS, Acadia National Park	Southern pine beetle monitoring

Cameron McIntire	USDA Forest Service	Long-term monitoring of beech leaf disease
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Visitor Studies

Glencora Haskins	Downs & St. Germain Research	Maine Office of Tourism visitor profile and economic impact analysis research
Katherine Abrams	Colorado State University	Communication effects on preventing unintentional wildlife feeding among frontcountry campers
Frederick Bianchi	Worcester Polytechnic Institute	Acadia Trail View website
Frederick Bianchi	Worcester Polytechnic Institute	E-Bike policy development
Frederick Bianchi	Worcester Polytechnic Institute	Sand Beach traffic monitoring
Frederick Bianchi	Worcester Polytechnic Institute	Visitor mobility tracking on the Park Loop Road
Rebecca Stanley	Friends of Acadia	Understanding recreation decisions in Acadia
Katharine Ruskin	University of Maine	Quantifying the social values of Acadia's water resources
Katharine Ruskin	University of Maine	Assessing the economics of Maine's coastal tourism development: Schoodic Peninsula, Acadia National Park
Steven Lawson	Otak, Inc.	Acadia National Park Transportation and Visitor Count Study

Cultural resources

Madeleine Landrum	University of Maine	Investigating Indigenous fire prehistory to inform forest management under global change
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