

2020 Acadia National Park Research Permits (as of December 31, 2020)

*continuing from 2019

#cancelled due to COVID-19

Wildlife & Biodiversity

Stephen Ressel	College of the Atlantic	Winter Survey of North American River Otter (<i>Lontra canadensis</i>) Activity in the Witch Hole Pond Watershed, Acadia National Park
Molly Donlan	College of the Atlantic	Impacts of weather patterns on <i>Myotis</i> bats of Acadia National Park
#Alexa Pezzano	NPS, Acadia National Park	Schoodic Education Adventure, Soil Exploration
*Stephen Ressel	College of the Atlantic	Breeding by The Sea: Coastal Vernal Pools in Acadia National Park as Breeding Habitat for Spotted Salamanders (<i>Ambystoma maculatum</i>)
*Seth Benz	Schoodic Institute at Acadia National Park	Schoodic's Motus Wildlife Tower Tracking System
William Russell		The Birds of Mount Desert Island and Acadia National Park
*Aaron Weed	NPS, Northeast Temperate Network	Forest Bird Monitoring at Acadia National Park
Seth Benz	Schoodic Institute at Acadia National Park	Schoodic Institute at Acadia National Park Bird Vocalization Library
*Seth Benz	Schoodic Institute at Acadia National Park	Schoodic Institute Biodiversity and Phenology Citizen Science Observations
Frederick Bianchi	Worcester Polytechnic Institute	Wildlife Webcam Monitoring in Remote Park Locations
*Bik Wheeler	NPS, Acadia National Park	Intensified monitoring to inform conservation of Peregrine Falcons in Maine
*Seth Benz	Schoodic Institute at Acadia National Park	SeaWatch: A Citizen Science Monitoring Project of Fall Seabird Migrations off Schoodic Point and Otter Cliff in Acadia National Park

*Seth Benz	Schoodic Institute at Acadia National Park	Long-term Monitoring of Fall Raptor Migrations in Acadia National Park (using standard data collection protocol as defined by the Hawk Migration Association of North America)
Gregory LeClair	University of Maine, Orono	Parameterizing Environmental DNA Detection for the Conservation of Threatened Turtles

Freshwater & Air

*#Laura Katz	Smith College	Biodiversity of Microbial Eukaryotes in Acadia National Park: Testate (Shelled) Amoebae at Big Heath and Ciliates in tide pools
*James Pagano	State University of New York at Oswego	Ambient Levels of Persistent and Emerging Air Toxics at Acadia National Park
*Matthew Farragher	University of Maine, Orono	Vertical Habitat Gradients and Harmful Algae Blooms in Lakes of Acadia National Park
William Gawley	NPS, Acadia National Park	Jordan Pond, Seal Cove, and Witch Hole Pond Water Quality Monitoring
Rachel Fowler	University of Maine, Orono	Harmful Algal Blooms (HABs) on the Horizon
*Kathryn Miller	NPS, Northeast Temperate Network	Freshwater Wetland Monitoring at Acadia National Park
*Glen Mittelhauser	Maine Natural History Observatory	Assess water levels and vegetation in Great Meadow - 2020
*Mark Whiting	Hancock Co. Soil and Water Conservation District	Maine Brook Trout and Water Quality: A volunteer-based water quality survey of MDI streams
*Colleen Emery	US Geological Survey	The Dragonfly Mercury Project – engaging citizen scientists in monitoring mercury contamination in National Parks
Julie Kelso	US Environmental Protection Agency	Streamflow Duration Assessment Method

Intertidal & Marine

Glen Mittelhauser	Maine Natural History Observatory	Seaweeds of Acadia National Park
*#Alexa Pezzano	NPS, Acadia National Park	Schoodic Education Adventure, Intertidal Exploration
*Chris Petersen	College of the Atlantic	Historical Ecology of Tide Pool Flora and Fauna at Acadia National Park
*Susan Brawley	University of Maine, Orono	Effects of climate change on reproductive phenology and the macroalgal microbiome
#James Lynch	NPS, Northeast Region	Elevation monitoring of salt marsh habitats of Acadia National Park
*Chris Petersen	College of the Atlantic	Clam recruitment, predation, and pH in intertidal mudflats
*Adam Kozlowski	NPS, Northeast Temperate Network	NPS Northeast Temperate Inventory and Monitoring Network (NETN) Rocky Intertidal Monitoring Program
*Catherine Matassa	University of Connecticut	Intertidal community assembly and dynamics: Integrating broad-scale regional variation in environmental forcing and benthic-pelagic coupling (NSF Award OCE-1458150)
*John Cigliano	Cedar Crest College	The effects of ocean acidification and climate change on temperate marine rocky intertidal communities
Michelle Baumflek	USDA Forest Service, Southern Research Station	Protect Natural Resources by Developing Plant Gathering Protocols with Indian Tribal Gatherers
Maria Fe Aragon Orrego	College of the Atlantic	Investigate the hydraulics of the Clark Bridge

Plants

*Jeff Licht	University of Massachusetts, Boston	Further Examination of Pitch Pine/Jack Pine Sympatry Proximate to South Cadillac Trail at Acadia National Park
Lundy Stowe	College of the Atlantic	Investigate Red Pine (<i>Pinus resinosa</i>) Distribution and Health in Acadia National Park
Jeffrey Harriman	Maine Forest Service	Northeast Forest Inventory and Analysis
*William Brumback	Native Plant Trust	Develop Climate Change-Resilient Restoration Techniques on Cadillac Mountain, Acadia National Park
Jay Wason	University of Maine, Orono	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
*Susan Letcher	College of the Atlantic	Study of <i>Acer pensylvanicum</i> sex expression
*William Brumback	Native Plant Trust	The New England Plant Conservation Program (2020-2024)
Christopher Nadeau	University of Connecticut	Does Enhancing Genetic Diversity Increase the Long-term Success of Subalpine-Plant Restorations Under Climate Change
*Stephanie Spera	University of Richmond	Climate Change, Fall Foliage, and Leaf-Peepers: Effects of Precipitation and Temperature on Senescence and Visitation in Acadia National Park
Helen Koch	Friends of Acadia	Increasing Plant Diversity at the Wild Gardens of Acadia

Pests, diseases, & invasive species

*Anthony Slowik	USDA Animal and Plant Health Inspection Service	Exotic Wood Boring Beetle Survey
*Thomas Schmeelk	Maine Forest Service	Southern pine beetle trapping
*Jesse Wheeler	NPS, Acadia National Park	Emerald Ash Borer surveys using girdled trap trees in Acadia National Park

Geology

Joseph Kelley	University of Maine, Orono	Geology field trip to the Maine coast
---------------	-------------------------------	---------------------------------------

Visitor Studies

William Rice	Pennsylvania State University	Passive visitor use data collection using flyers to inform management during COVID-19 pandemic
Frederick Bianchi	Worcester Polytechnic Institute	eBike Policy in Acadia National Park
Frederick Bianchi	Worcester Polytechnic Institute	Hiking Trail 360 View Tours
*Frederick Bianchi	Worcester Polytechnic Institute	Parking Reservation Analysis
*Katharine Ruskin	University of Maine, Orono	Quantifying the Social Values of Acadia National Park's Water Resources
Glencora Haskins	Downs & St. Germain Research	Maine Office of Tourism Visitor Profile and Economic Impact Analysis Research
Simon Hayhoe	London School of Economics	Accessible Vacations: A Survey of Best Access Practice in 10 US National Parks

Cultural resources

Bonnie Newsom	University of Maine, Orono	Old Collections, New Analyses: Examining Archaeological Materials to Enhance Coastal Site Stewardship in Acadia National Park, Maine
Erin Seekamp	NC State University	Pilot study of adaptation framework for archeological sites at ACAD