



Publications describing research in Acadia National Park



Acadia National Park and Schoodic Institute staff and adjuncts and Second Century Stewardship Fellows in **bold**

2018

Caffrey MA, RL Beavers, CH Hoffman. 2018. Sea Level Rise and Storm Surge Projections for the National Park Service. US Department of the Interior, Fort Collins.

Campellone RM, KM Chouinard, **NA Fisichelli**, JA Gallo, JR Lujan, RJ McCormick, RA Miewald, BA Murry, DJ Pierce, DR Shively. 2018. The iCASS Platform: Nine principles for landscape conservation design. Landscape and Urban Planning 176: 64-74.

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Feldman RE, I Žemaitė, **AJ Miller-Rushing**. 2018. How training citizen scientists affects the accuracy and precision of phenological data. International Journal of Biometeorology 62: 1421-1435.

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Fisichelli, N A, KM Miller. 2018. Weeds, worms, and deer: positive relationships among common forest understory stressors. Biological Invasions 20: 1337-1348

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Keiser D, GE Lade, I Rudik. 2018. Ozone pollution in US national parks is nearly the same as in large cities. The Conversation.

King K, JL Mottern, EM Shimbori, RR Kula. 2018. Braconidae from Mount Desert Island and the Schoodic Peninsula area of Acadia National Park and a new Nearctic species of *Clinocentrus* Haliday (Hymenoptera: Braconidae: Rogadinae). Proceedings of the Entomological Society of Washington, 120: 549-567.

Lichko L, M Crandall, T Johnson, A Daigneault. 2018. Valuing the economic benefits of conservation lands in Downeast Maine. Downeast Conservation Network, Winter Harbor, ME.

McDonough MacKenzie C, RB Primack, **AJ Miller-Rushing**. (2018). Local environment, not local adaptation, drives leaf-out phenology in common gardens along an elevational gradient in Acadia National Park, Maine. American Journal of Botany 105: 986-995.

Miller KM. 2018. Big Data for Small Parks: Examining Regional Vegetation Patterns to Assess the Current Condition and Vulnerability of Eastern National Parks to Climate Change. Dissertation. University of Maine. 2838.

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Primack RB, **AJ Miller-Rushing**, RT Corlett, V Devictor, DM Johns, R Loyola, B Maas, RJ Pakeman, L Pejchar. 2018. Biodiversity gains? The debate on changes in local-vs global-scale species richness. Biological Conservation 219: A1-A3.

Quigley CT, HG Morrison, IR Mendonça, SH Brawley. 2018. A common garden experiment with *Porphyra umbilicalis* (Rhodophyta) evaluates methods to study spatial differences in the macroalgal microbiome. Journal of Phycology, 54: 653-664.

Ring MI. 2018. Examining avian diversity in Acadia National Park through time. Honors College, University of Maine. 352.

Royer CJ, NA Blouin, SH Brawley. 2018. More than meets the eye: regional specialisation and microbial cover of the blade of *Porphyra umbilicalis* (Bangiophyceae, Rhodophyta). Botanica Marina, 61: 459-465.

Sharp RL, A Pitt, R Verbos. 2018. Park break: engaging students in social science to inform decision-making in parks. George Wright Forum 35: 65-72.

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Xiao X, R Manning, S Lawson, W Valliere, D Krymkowski. 2018. Indicators for a transportation recreation opportunity spectrum in national parks. Journal of Park and Recreation Administration 36(1).

Ziesler PS, D Pettebone. 2018. Counting on visitors: A review of methods and applications for the National Park Service's Visitor Use Statistics program. Journal of Park and Recreation Administration 36(1).

Zoellick B, M Meserve Auclair, SL Kirn. 2018. The power of invitation: Teacher leaders as agents of change. Maine Policy Review 27: 46-53.

2019

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de Mesquita MMF, MA Crapez, VL Teixeira, DN Cavalcanti. 2019. Potential interactions bacteria-brown algae. Journal of Applied Phycology 31: 867-883.

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Fowler R. 2019. Assessing the mechanisms and implications of altered carbon cycling in Arctic and boreal lakes. Dissertation, University of Maine.

Gilbert C, E Blomberg. 2019. Changes in occupancy and relative abundance of a southern population of spruce grouse based on a 25-year resurvey. Northeastern Naturalist 26: 275-286.

Laughlin D, J Grace. 2019. Discoveries and novel insights in ecology using structural equation modeling. Ideas in Ecology and Evolution 12: 28-34.

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McDonough MacKenzie C, J Johnston, **AJ Miller-Rushing**, W Sheehan, R Pinette, R Primack. 2019. Advancing leaf-out and flowering phenology is not matched by migratory bird arrivals recorded in a hunting guide's journal in Aroostook County, Maine. Northeastern Naturalist 26: 561-579.

McDonough MacKenzie C, G Mittelhauser, AJ Miller-Rushing, RB Primack. 2019. Floristic change in New England and New York: regional patterns of plant species loss and decline. Rhodora 121: 1-36.

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Nadeau CP, MC Urban. 2019. Eco-evolution on the edge during climate change. Ecography 42: 1280-1297.

Patel KF, MD Jakubowski, IJ Fernandez, **SJ Nelson, W Gawley**. 2019. Soil nitrogen and mercury dynamics seven decades after a fire disturbance: a case study at Acadia National Park. Water, Air, & Soil Pollution 230: 29.

Royer CJ, S Redmond, CS Lai, SH Brawley. 2018. *Porphyra umbilicalis* in applied and basic research: reproductive phenology, development, seed stock culture, and a field trial for aquaculture. Journal of Applied Phycology 31: 547-560.

Smetzer J, TL Morelli. 2019. Incorporating climate change refugia into climate adaptation in the Acadia National Park region. Smith College, Northampton, MA.

Taylor VF, KL Buckman, EA Seelen, NM Mazrui, PH Balcom, RP Mason, CY Chen. 2019. Organic carbon content drives methylmercury levels in the water column and in estuarine food webs across latitudes in the Northeast United States. Environmental Pollution 246: 639-649.

Warner K. 2019. Ecological and economic implications of increased storm frequency and severity for boreal lakes. Dissertation, University of Maine, Orono.

Warner KA, JE Saros. 2019. Variable responses of dissolved organic carbon to precipitation events in boreal drinking water lakes. Water Research 156: 315-326.

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What publications did we miss? Let us know!