



Integrating Undergraduate Education, Stakeholder-driven Research, and Service through Ongoing Partnerships

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²Schoodic Institute at Acadia National Park



Who we are:



Two of our core classes consist of partnerships with NPS

EES 217: Field Research Experience in Ecology and Environmental Sciences

EES 489: Critical Issues in Ecology and Environmental Science Policy

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EES 217: Field Research Experience in Ecology and Environmental Sciences

- Required, sophomores and juniors

EES 489: Critical Issues in Ecology and Environmental Science Policy

Two of our core classes consist of partnerships with NPS

EES 217: Field Research Experience in Ecology and Environmental Sciences

- Required, sophomores and juniors

EES 489: Critical Issues in Ecology and Environmental Science Policy

- Required, senior capstone



Sarah
Nelson

EES 217 (field course)

- 2-3 days in Acadia National Park, 0-2 cr.
- Course goals:
 - Getting their hands dirty in the field
 - Experience with research
 - Cohort-building



EES 217 (field course)

- Inspired by the Canon Scholars Program



Sarah Nelson





Recipe for success:

- Immersive

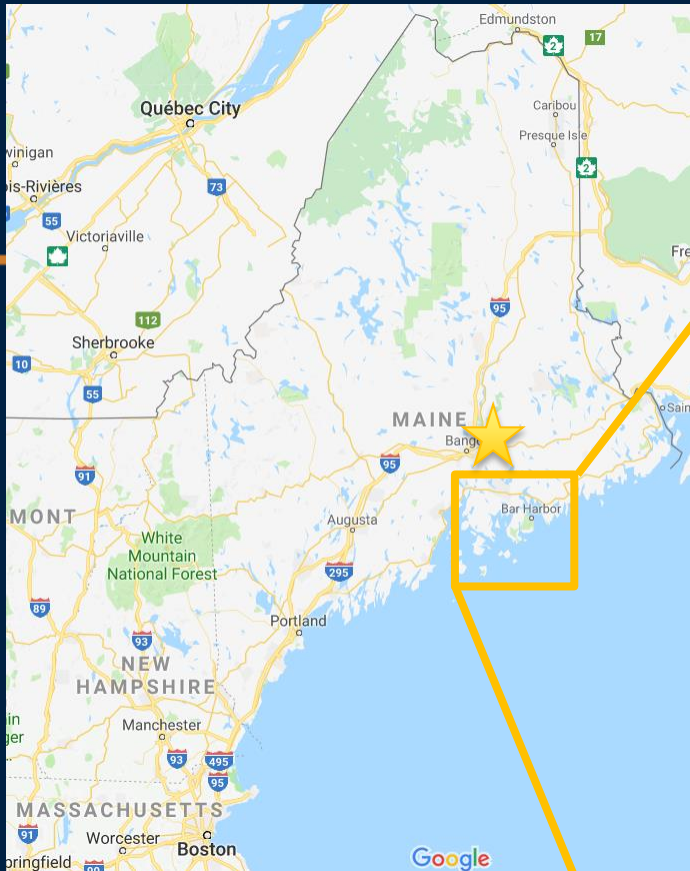
Recipe for success:

- Immersive
- Student-driven, interdisciplinary teams

Recipe for success:

- Immersive
- Student-driven, interdisciplinary teams
- Taking advantage of our strengths

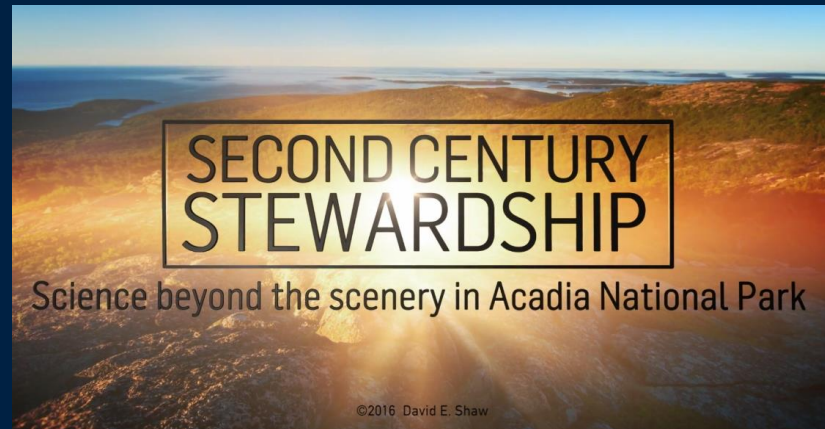
A national park in our backyard!



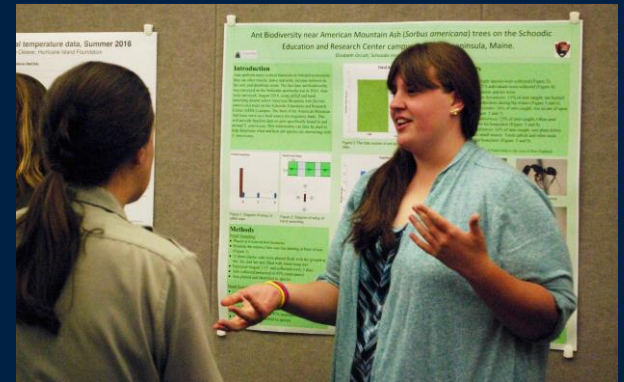
Acadia National Park hosts a strong research program



Abe Miller-Rushing,
Science Coordinator



Schoodic Institute at Acadia NP

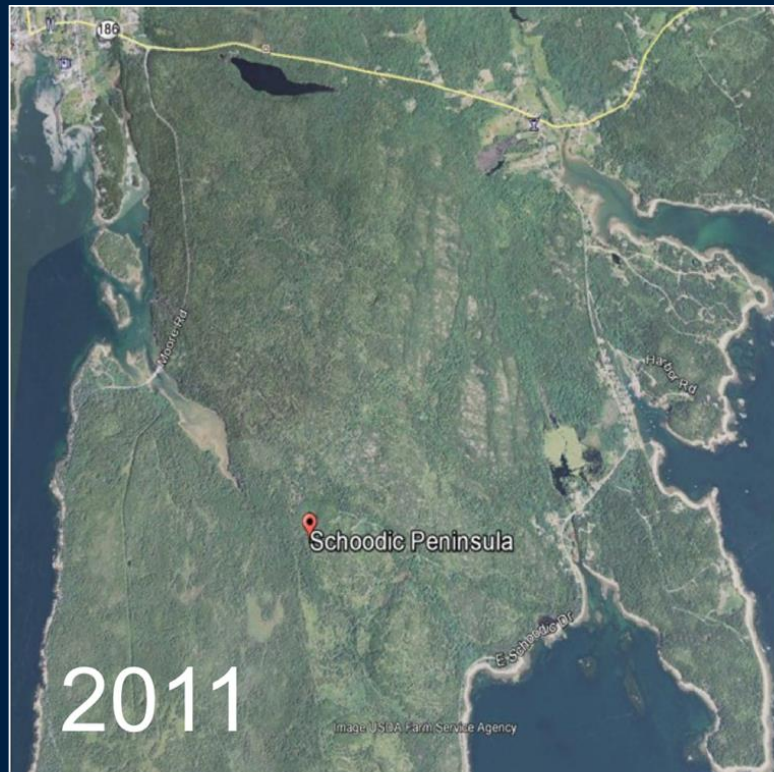


Acadia Science
Symposium

Recipe for success:

- Immersive
- Student-driven, interdisciplinary teams
- Taking advantage of our strengths
- Real world, interdisciplinary problem

Recipe for success: Stakeholder-driven research questions



Recipe for success: Stakeholder-driven research questions

Stakeholder-driven research questions



Support to integrate classes with active, funded research projects



Nick Fisichelli,
Forest Ecology Director

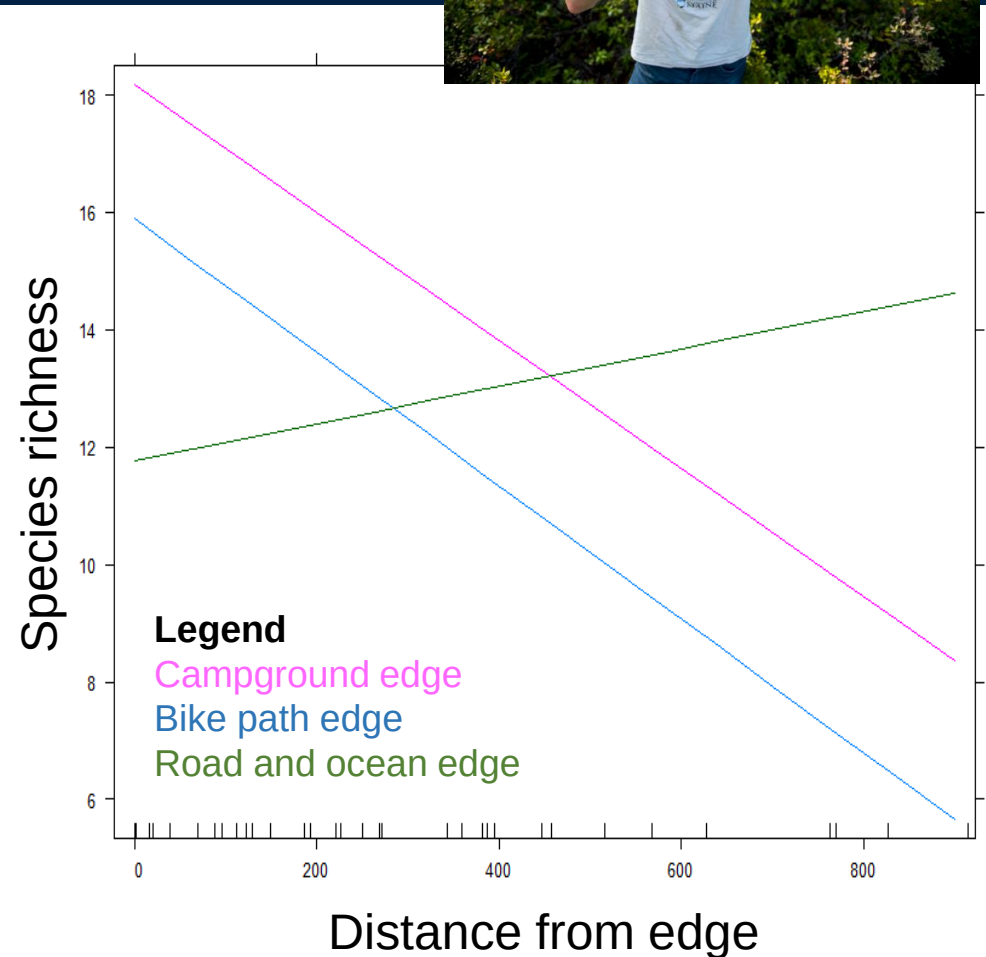
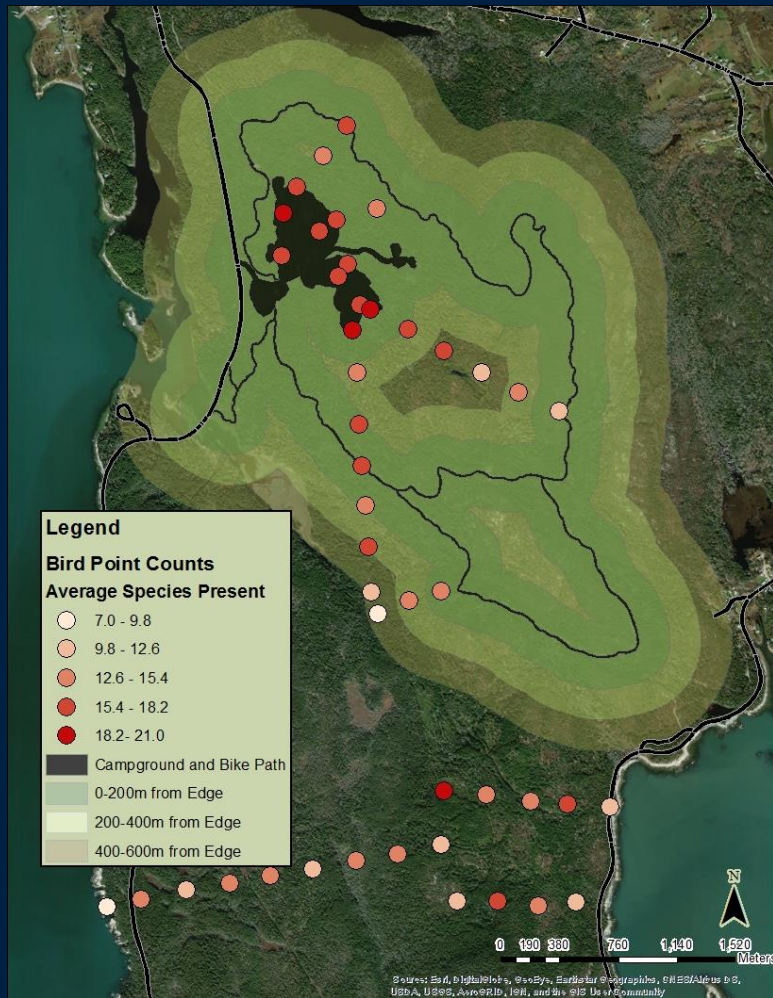


Aaron Strong,
Assistant
Professor

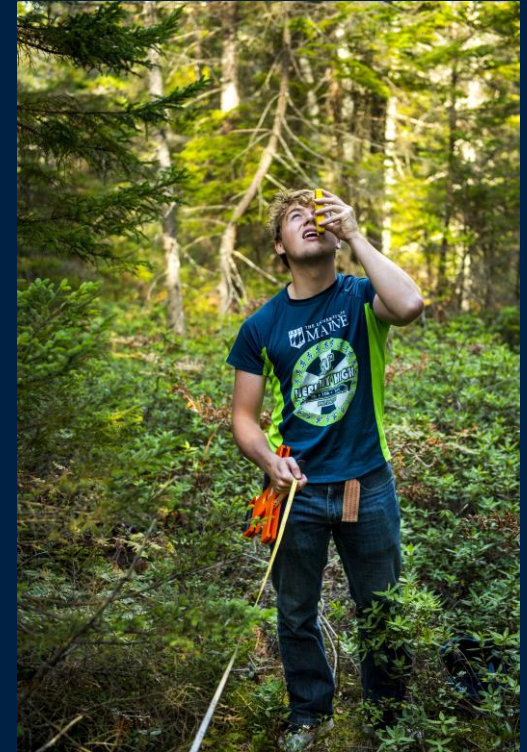


<https://umaine.edu/news/blog/2017/10/20/undergraduate-students-spend-summer-schoodic-interdisciplinary-ecosystems-research>

Species richness highest near campground



No edge effect detected for vegetation





Have you shopped
locally?

Yes

No

First time at Schoodic?

No

Yes

25%



25%



25%



25%



Schoodic Woods campers are more likely to shop locally



Have you shopped locally?

n = 749 P = 0.02

Yes

No

First time at Schoodic?

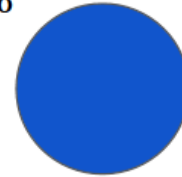
No

Yes

20%



37%

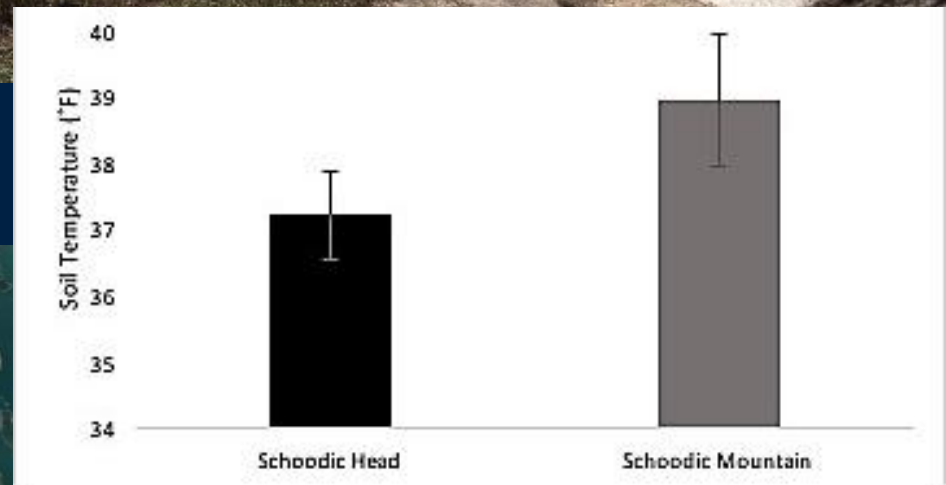
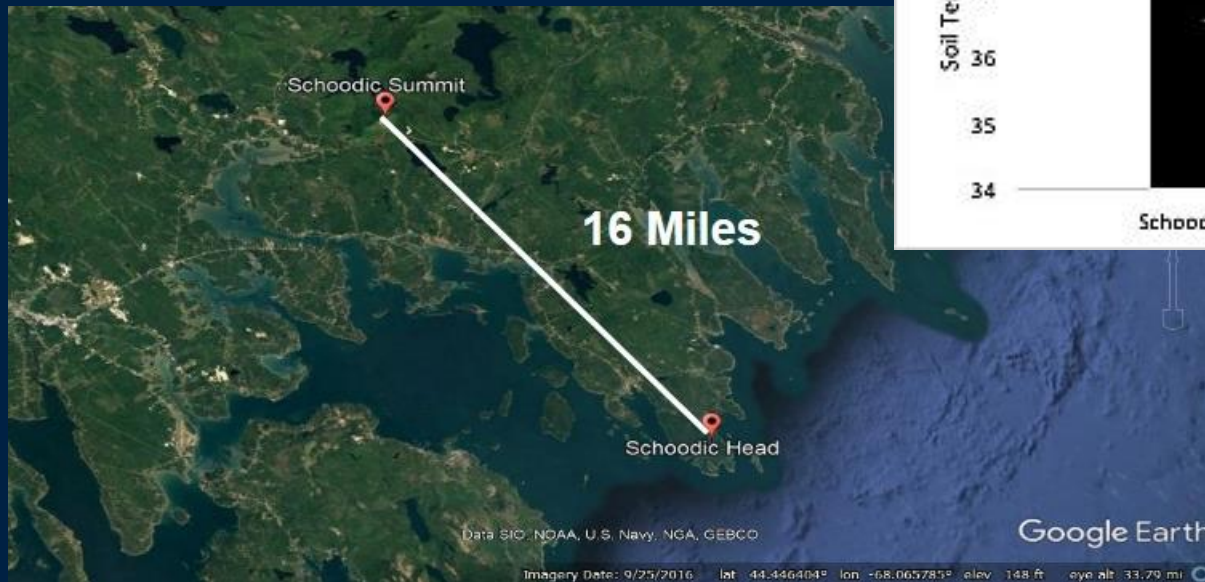


11%



30%





Thank you to:

The students of EES 217 and EES 489 for making these courses successful

The University of Maine Ecology and Environmental Sciences program for administrative and financial support, especially Sarah Nelson for creating EES 217 and Julie Eubanks for handling all administration.

The University of Maine Research Reinvestment Fund for project funding.

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Schoodic Ecosystem Services technicians and volunteers: Joe Cicero, Aly East, Lauren Dolinski, Matt Brewer, Julia Vieira, Emily Tomak, Abby Novak.

Questions?

