Bio

I study the human dimensions of biodiversity conservation. I apply mixed methods, including surveys, interviews, spatial analysis, and field experiments, to examine the drivers of conservation behavior and the impact of socioeconomic factors and social science interventions on conservation outcomes. Recently, my work has focused on understanding the emergence of resident collective action to combat invasive species on private lands in Hawaii and New Zealand.

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Becky is interested in the human dimensions of biodiversity conservation and invasive species management. Her dissertation research focuses on how to motivate diverse private landowners to engage in invasive species control efforts to achieve landscape-scale conservation benefits.

Publications

PUBLICATIONS

- Landowners’ Perspectives on Coordinated, Landscape-Level Invasive Species Control: The Role of Social and Ecological Context *Environmental Management*
  Niemiec, R. M., et al
  2017; 59 (3): 477-489

- Trade-offs between three forest ecosystem services across the state of New Hampshire, USA: timber, carbon, and albedo *ECOLOGICAL APPLICATIONS*
  2016; 26 (1): 146-161

- Motivating residents to combat invasive species on private lands: social norms and community reciprocity *ECOLOGY AND SOCIETY*
  2016; 21 (2)

- Landholder participation in regional-scale control of invasive predators: an adaptable landscape model *Biological Invasions*
  2016: 1-10

- Incorporating Carbon Storage into the Optimal Management of Forest Insect Pests: A Case Study of the Southern Pine Beetle (Dendroctonus Frontalis Zimmerman) in the New Jersey Pinelands *ENVIRONMENTAL MANAGEMENT*
  Niemiec, R. M., Lutz, D. A., Howarth, R. B.
  2014; 54 (4): 875-887