

Meredith Hovis | Curriculum Vitae

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August 2022

EDUCATION

Ph.D. Forestry and Environmental Resources 2022

Overall GPA: 4.00

Minor: Public Administration

North Carolina State University, Raleigh, NC

M.S. Natural Resources 2018

Technical Option: Policy and Administration

North Carolina State University, Raleigh, NC

B.A. Environmental Sustainability 2016

B.A. Spanish

Minor: Communication

Meredith College, Raleigh, NC

Study Abroad *Spring 2015*

Universidad Nacional de Costa Rica, Heredia, Costa Rica

RESEARCH EXPERIENCE

Postdoctoral Research Associate *Fall 2022 - Present*
Udall Center for Studies in Public Policy, University of Arizona

Graduate Research Assistant – Flood / Hazard Mitigation *Fall 2018-Spring 2022*
Dept. of Forestry and Environmental Resources, NC State University
Funded by the NC Dept of Justice Environmental Enhancement Grant and NC Policy Collaboratory

Graduate Research Assistant – Community Forestry *Spring 2017-Spring 2018*
Research in collaboration with the USFS
Dept. of Forestry and Environmental Resources, NC State University

Undergraduate Research Student *Fall 2015*
Chemistry, Physics, & Geoscience Department, Meredith College

Undergraduate Research Student *Summer 2015*
La Selva Biological Station, Sarapiquí, Costa Rica
Funded by Organization of Tropical Studies

PUBLICATIONS

1. **Hovis, M.**, Cubbage, F., Hollinger, J. C., Shear, T., Doll, B., Kurki-Fox, J. J., Line, D.; Lovejoy, M.; Evans, B.; & Potter, T. (2022). Determining the costs, revenues, and cost-share payments for the “FloodWise” program: Nature-based solutions to mitigate flooding in eastern, rural North Carolina. *Nature-Based Solutions*, 2, 100016.

2. **Hovis, M.** (2022). The FloodWise Pilot Program: Leveraging Nature-Based Solutions for Flood Mitigation and Resiliency in Rural, Eastern North Carolina. Available online at: <https://repository.lib.ncsu.edu/bitstream/handle/1840.20/39448/etd.pdf?sequence=1>
3. McGinley, K. A., Charnley, S., Cabbage, F. W., Hajjar, R., Frey, G. E., Schelhas, J., **Hovis, M.** & Kornhauser, K. (2022). Community forest ownership, rights, and governance regimes in the United States. *Routledge Handbook of Community Forestry*, 10.
4. **Hovis M.**, Hollinger JC, Cabbage F, Shear T, Doll B, Kurki-Fox JJ, Line D, Fox A, Baldwin M, Klondike T, Lovejoy M, Evans B, West J, Potter T. (2021). Natural Infrastructure Practices as Potential Flood Storage and Reduction for Farms and Rural Communities in the North Carolina Coastal Plain. *Sustainability*. 13(16):9309.
5. **Hovis, M.**, Cabbage, F., Katti, M., & McGinley, K. (2021) Participant and Socio-Ecological Outcomes of the Hofmann Open-Water Laboratory (HOWL) Citizen Science Project. *Journal of Community Engagement and Scholarship*, 12(2).
6. **Hovis, M.**, Cabbage, F., & Rashash, D. (2020). Designing a Citizen Science Project for Forest Landscapes: A Case from Hofmann Forest in Eastern North Carolina. *Open Journal of Forestry*, 10 (2), 187-203. Doi: [10.4236/ojf.2020.102013](https://doi.org/10.4236/ojf.2020.102013)
7. Lupek, M. & **Hovis, M** (2019). Sprawleigh: Generating Sustainable Solutions for Urbanization Impacts. *Socio-Environmental Synthesis Center (SESYNC) Case Study Collection*. Available online at: <https://www.sesync.org/sprawleigh-generating-sustainable-solutions-for-urbanization-impacts>
8. Savage, A., Brune, S., **Hovis, M.**, Spencer, S.E., Dinan, M. & Seekamp, E. (2018). Working Together: A Guide to Collaboration in Rural Revitalization. North Carolina Cooperative Extension Service. North Carolina State University, Raleigh, NC.
9. **Hovis, M.** (2018). An Evaluation of Hofmann Open-Water Laboratory (HOWL): A Pilot Project for Participatory Research in Eastern North Carolina. [M.S. Thesis]. North Carolina State University, Raleigh, NC. Available online at: <https://repository.lib.ncsu.edu/bitstream/handle/1840.20/35354/etd.pdf?sequence=1&isAllowed=y>

PRESENTATIONS

1. **Hovis, M.**; Cabbage, F.; Shear, T.; Fox A.; Baldwin, M.; Klondike, T.; Sands, A.; Potter, T.; Lovejoy, M.; Evans, B.; Larick, K. (2022). “FloodWise” Pilot Program: Assessing Landowner’s Willingness to Accept Payments for Nature-Based Solutions (NBS) for Flood Mitigation in Rural, Eastern North Carolina. NC State University College of Natural Resources Graduate Research Symposium. [Poster Presentation].
2. **Hovis, M.**; Hollinger, J.; Cabbage, F.; Shear, T.; Doll, B.; Kurki-Fox, J.; Line, D.; Fox A.; Baldwin, M.; Klondike, T.; Lovejoy, M.; Potter, T.; Evans, B. (2021). Economic Assessment of FloodWise: Natural Infrastructure Practices to Mitigate Flooding in Eastern, North Carolina. International Society of Forest Resource Economics 2021 Conference. [Oral Presentation]
3. **Hovis, M.**; Hollinger, J.; Cabbage, F.; Shear, T.; Doll, B.; Kurki-Fox, J.; Line, D.; Fox A.; Baldwin, M.; Klondike, T.; Lovejoy, M.; Potter, T.; Evans, B. (2021). Economic Assessment of FloodWise: Natural Infrastructure Practices to Mitigate Flooding in Eastern, North Carolina. Carolina’s Climate and Resilience Conference. International Society of Forest Resource Economics Conference. [Oral Presentation]

4. **Hovis, M.;** Hollinger, J.; Cabbage, F.; Shear, T.; Doll, B.; Kurki-Fox, J.; Line, D.; Fox, A.; Baldwin, M.; Klondike, T.; Lovejoy, M.; Potter, T.; Evans, B. (2021). Economic Assessment of FloodWise: Natural Infrastructure Practices to Mitigate Flooding in Eastern, North Carolina. Carolina's Climate and Resilience Conference. [Poster Presentation]
5. Chizmar, S.; **Hovis, M;** Jouzi, Z.; McGregor, I. (2021). Inclusivity Starts with our Design! Participatory Design Workshop for Inclusion, Diversity, Equity, and Accessibility (IDEA) in Tropical Forestry and Natural Resources. Yale International Society of Tropical Foresters (ISTF) Conference 2021. [Workshop-Style Presentation]
6. **Hovis, M.** Community Forestry: An Innovative Approach for Rural Livelihoods (2020). College of Natural Resources Graduate Research Symposium, North Carolina State University, Raleigh, NC. [3-Minute Thesis Competition]
7. **Hovis, M.,** McGinley, K., Frey, G., Lupek, M., Han, X., Cabbage, F. (2020). Forest Access, Rights, and Benefits: Exploring the Role of Community Forests as an Innovative Approach for Rural Livelihoods. College of Natural Resources Graduate Research Symposium, North Carolina State University, Raleigh, NC. [Poster Presentation]
8. **Hovis, M.,** McGinley, K., Frey, G., Lupek, M., Han, X., Cabbage, F. (2020). Forest Access, Rights, and Benefits: Exploring the Role of Community Forests as an Innovative Approach for Rural Livelihoods. Yale 2020 International Society of Tropical Foresters, Yale University, New Haven, CT. [Poster Presentation]
9. McGinley, K., Cabbage, F, Frey, G., **Hovis, M.,** Lupek, M, Han, X. (2019). Forest Access, Rights, And Benefits: Exploring the role of community forests as an innovative tenure regime for protecting ecosystem services in the U.S. IUFRO World Forestry Congress, Curitiba, Brazil [Presentation]
10. **Hovis, M.** (2019). Community-based forest management practices in a tropical forest setting: A case from Rio Hondo Community Forest in Mayaguez, Puerto Rico. International Society of Tropical Foresters, North Carolina State University, Raleigh, NC [Presentation]
11. **Hovis, M.** (2018). Evaluation outcomes of pilot participatory research project, Hofmann Open Water Laboratory (HOWL), in eastern North Carolina. College of Natural Resources Graduate Research Symposium, North Carolina State University, Raleigh, NC [Poster Presentation]
12. **Hovis, M.** (2017). Evaluation outcomes of pilot participatory research project, Hofmann Open Water Laboratory (HOWL), in eastern North Carolina. Cape Fear River Assembly Annual Conference, Elon University, Elon, NC [Poster Presentation]
13. **Hovis, M.** (2017). Citizen science implications for decision-making processes and policy efforts. Conservation of Biological Diversity course, North Carolina State University, Raleigh, NC [Guest Lecture]
14. **Hovis, M.** (2016). A comparison of carbon fluxes between forest and prairie soils. Meredith College Celebrating Student Achievements, Meredith College. Raleigh, NC [Poster Presentation]

TEACHING EXPERIENCE

Lecturer (Instructor of Record)

Applications of Environmental Science, NC State University

Spring 2020-Spring 2021

Meredith Hovis

meredith@secoora.org

Lecturer (Instructor of Record) *Fall 2019-Fall 2020*
Exploring the Environment, NC State University

Adjunct Professor (Instructor of Record) *Fall 2018-Spring 2018*
Introduction to Environmental Science Lab, Elon University, Elon, NC

Lead Graduate Teaching Assistant *Fall 2018*
Exploring the Environment, NC State University

Graduate Teaching Assistant *Fall 2017*
Renewable Natural Resource Management and Policy, NC State University

Graduate Teaching Assistant *Fall 2017*
Conservation of Biological Diversity, NC State University

Graduate Teaching Assistant *Fall 2016*
Renewable Natural Resource Management and Policy, NC State University

PROFESSIONAL EXPERIENCES

Executive Director *Spring 2022 -*
Southeast and Caribbean Disaster Resilience Partnership

Program Coordinator *Summer 2021 - Spring 2022*
Southeast and Caribbean Disaster Resilience Partnership

Assistant Canvassing Director *Summer 2016*
Environment North Carolina, Raleigh, NC

Grassroots Undergraduate Intern *Spring 2016*
Environment North Carolina, Raleigh, NC

Fundraiser Phonathon Caller *Fall 2012 - Spring 2016*
Annual Meredith Fund, Meredith College

PROFESSIONAL CERTIFICATES & TRAININGS

Graduate Certificate Disaster Resilient Policy, Engineering, and Design
Dept. of Landscape Architecture, NC State University *2021*

Graduate Certificate Teaching and Communication *2020*
The Graduate School, NC State University

Project SAFE *2020*
GLBT Center, NC State University

Graduate Certificate Geographic Information Systems *2018*
Center for Geospatial Analytics, NC State University

AWARDS

Davey Graduate Fellowship Award Department of Forestry and Environmental Resources, NC State University	2022
Best PhD Poster Presentation in Human Dimensions College of Natural Resources Graduate Research Symposium, NC State University	2022
Second Place Student Poster Presentation Award 2021 Carolinas Climate Resilience Conference	2021
Statewide Tar Heel 3-Minute Thesis People's Choice Award Inaugural Tar Heel Three Minute Thesis Competition, UNC System	2021
Outstanding Graduate Teaching Award Graduate Student Association, NC State University	2021
3-Minute Thesis First Place Award College of Natural Resources, NC State University	2021
3-Minute Thesis People's Choice Award The Graduate School, NC University	2020
Diversity Scholar Recipient Society of American Foresters	2020
3-Minute Thesis People's Choice Award The Graduate School, NC State University	2020
Forestry and Environmental Resources Faculty Fellowship for Excellence in Graduate Education Dept. of Forestry and Environmental Resources, NC State University	2020
Laarman International Gift Fund Dept. of Forestry and Environmental Resources, NC State University	2019
Bruce and Barbara Zobel Endowment for International Forestry Studies Dept. of Forestry and Environmental Resources, NC State University	2019
Arthur W. Cooper Graduate Fellowship Dept. of Forestry and Environmental Resources, NC State University	2019
Who's Who Among Students Award Class of 2016, Meredith College	2016
Meredith College Sophomore Service and Dedication Award Class of 2016, Meredith College	2014

LEADERSHIP

President

International Society of Tropical Foresters, NC State University Chapter *Fall 2021-Spring 2022*

Vice President

International Society of Tropical Foresters, NC State University Chapter *Fall 2019-Fall 2021*

Officer

Dept. Forestry Graduate Student Association, NC State University *Fall 2018-Fall 2019*

President

Lambda Pi Eta, Communication Honor Society, Meredith College *Fall 2015 – Spring 2016*

Class President

Class of 2016, Meredith College *Fall 2012 – Spring 2014*

MEMBERSHIPS

International Society of Tropical Foresters
Xi Sigma Pi, Honor society for Forestry
Lambda Pi Eta, Honor society for Communication
Sigma Delta Pi, Honor society for Spanish

SKILLS

- Policy analysis and program evaluation
- Program planning and development
- Organization and program management
- Capital budgeting cash flow analysis; breakeven analysis
- Survey and interview questionnaire design and implementation
- Quantitative and qualitative data collection and analysis
 - Softwares: SPSS, Stata, R, Dedoose, NVivo
- Contingent valuation methods
- Fluency in Spanish (lived in Costa Rica between 01/30/2015 – 07/30/2015)
- Geospatial Information Systems (GIS)
 - Softwares: ArcGIS, QGIS
- Teaching (undergraduate level); lesson planning
- Oral and written communication