

AMY ELAINE PICKLE
919/812-4816 (cell) amy.pickle@duke.edu

PROFESSIONAL EXPERIENCE

DUKE UNIVERSITY NICHOLAS INSTITUTE FOR ENVIRONMENTAL POLICY SOLUTIONS 2008-present
Director, State Policy and Senior Fellow, Duke University School of Law

Creates, resources, and leads cross-disciplinary and cross-institutional efforts to collaboratively develop effective and impactful strategies and policies to address critical climate, environmental and energy-related challenges. Engages policy makers, corporate leaders, non-profits and the public to plan and conduct research, workshops, and other events. Designs, manages, and conducts legal and policy research to develop recommendations for climate, environmental, and energy policy at the state and local level. Secures and manages research funding and serves as principal investigator on projects. Co-led internal strategic planning during organization leadership transitions.

Key project areas include:

- Energy transition and deep decarbonization
- State oil and gas governance
- Stakeholder engagement for energy and climate adaptation
- State energy planning frameworks
- International, national, and subnational ocean plastic pollution policy
- Federal, state, and local governance of water resources
- Eastern water law implications for protection of environmental flows
- State and local adaptation to climate change

Current projects:

- Leads the ETC USA project, which was initiated at a time of high expectations for U.S. federal leadership on climate change and was developed to build a multi-sectoral community aligned around a durable solution set to achieving a net-zero U.S. economy by 2050. As envisioned, ETC USA will engage with state and federal policy makers as they consider how best to transition to a clean energy economy. It will develop actionable pathways reflecting consensus from corporate leaders and informed by analysis about the investments and private sector actions that can create jobs, accelerate decarbonization, and facilitate the U.S. energy transition.
- Developing the strategy Nicholas Institute's ongoing efforts to analyze the power sector landscape in traditionally regulated states and competitive markets, explore policy alternatives and project how they will drive mid-century environmental and economic outcomes.
- Leads a state coastal habitat conservation and restoration policy assessment to identify policies that directly or indirectly affect four different coastal habitats (mangrove, oyster reef, salt marsh, and seagrass) in six U.S. states (Massachusetts, North Carolina, Florida, Texas, California, and Washington). The team is assessing the effectiveness of these policies in improving habitat health.
- Co-leads the Nicholas Institute's efforts to research the policy response of governments to the global plastic pollution problem, as a basis for more rigorous monitoring of progress (as called for in Resolution 4/6 of the 2019 United Nations Environment Assembly (UNEA) meeting) and to inform future public policies. Co-creates the plastic pollution policy inventory Karasik R., Virdin J., Pickle, A., J. Wilson. (Editors), 2021. *Plastics Policy Inventory* (<https://nicholasinstitute.duke.edu/plastics-policy-inventory>)

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Courses Taught:

- State Environmental Policy: 2010, 2011, 2012, 2014
- Energy Law: 2016, 2017, 2018, 2019, 2020, 2021, 2022 (expected)
- Ethics in Environmental Policy: 2018
- DEL Energy Law and Policy: 2022

SOUTHERN ENVIRONMENTAL LAW CENTER, CHAPEL HILL, NC

2003-2008

Senior Attorney

Lead North Carolina attorney and North Carolina General Assembly liaison and lobbyist providing strategic direction for the water quality program

- Developed program strategy to protect water quality in North Carolina.
- Participated in water related stakeholder processes convened by the North Carolina General Assembly or the North Carolina Department of Environment and Natural Resources related to water resource issues.
- Represented the Southern Environmental Law Center or clients in litigation or policy initiatives related to water quality in North Carolina.
- Monitored the North Carolina General Assembly and lobbied for specific water policy objectives, participated in defensive campaigns to ensure continued environmental protections, and coordinated with other environmental advocacy organizations on legislative campaigns.

Achievement Highlights:

- Developed policy objectives to offset impacts related to stormwater. Negotiated revised coastal stormwater rules and legislation related to those rules. Drafted legislation, initiated litigation, and participated in state-led stakeholder processes.
- Collaborated with a broad coalition of environmental organizations to develop policy recommendations on a comprehensive water allocation program.
- Developed policy initiatives to secure protections for two of North Carolina's reservoirs, Falls Lake and Jordan Lake. Drafted legislation and coordinated bill campaign to initiate technical study of Falls Lake's water quality.
- Initiated legal actions challenging the constitutionality of the North Carolina Rules Review Commission and challenging the adequacy of federal National Pollutant Discharge Permits issued to municipalities pursuant to the federal Clean Water Act.
- Researched and drafted detailed legal and technical comments related to federal and state permits such as the air impacts and pollution abatement technologies for largest egg-laying facility in North Carolina, the ecological impacts related to building a protecting a transportation corridor through a national wildlife refuge, and the scientific foundation for a new stormwater policy initiative.

NORTH CAROLINA DEPARTMENT OF JUSTICE, RALEIGH, NC

2001-2003

Assistant Attorney General

Legal and policy advisor for the North Carolina Attorney General on implementation of the Smithfield Agreement and North Carolina animal feeding operation regulations.

- Implemented the Smithfield, Premium Standard Farms, and Frontline Farmer Agreements, which collectively allocated \$18 million to research and develop alternative treatment technologies for swine waste.
- Researched North Carolina administrative property, contract, and environmental laws. Reviewed and drafted legal documents including, legislation, permits, contracts, and pleadings.

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- Developed the grant making process for distributing \$2 million yearly for selected water quality projects, including drafting and instituting the “Request for Proposals” process. Reviewed invoices, contracts, grant applications, and project management documents.
- Prepared and argued criminal appellate cases

PUBLIC SERVICE

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION **2012-2013**
Appointed by Governor Beverly Perdue

NORTH CAROLINA ECOLOGICAL FLOWS SCIENCE ADVISORY BOARD **2012-2013**

NORTH CAROLINA MINING AND ENERGY COMMISSION **2012-2015**
Appointed by Governor Beverly Perdue and re-appointed by Governor Pat McCrory to serve a 3-year term ending June 30, 2015 and served as the Rules Committee Chair and the Vice-Chair for the Commission.

PROFESSIONAL AND COMMUNITY SERVICE

Friends of the North Carolina Museum of Natural Sciences Board of Directors, 2019-present

National Academies of Sciences, Engineering, and Medicine Roundtable on Unconventional Hydrocarbon Development member, 2016-2019

North Carolina Bar Association, Environment, Natural Resources, and Energy Section, Chair 2010-2011

EDUCATION

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL SCHOOL OF LAW
Juris Doctor with Honors, May 2000

UNIVERSITY OF FLORIDA, GAINESVILLE, FL
Bachelor of Arts in English, December 1994
Bachelor of Science in Chemistry, December 1994

SELECTED PRESENTATIONS AND WORKSHOPS

Aspen Institute, Forum and Dialogue on Energy Governance, Aspen, CO 2016-2019 (presenter and moderator for multiple events)

National Academies of Science, Engineering, and Medicine, Roundtable on Unconventional Hydrocarbon Development, 2016-2019 (moderator and participant in multiple events)

North Carolina Bar Association, CLE Program on Water Policy in North Carolina, Cary, North Carolina, January 17, 2013 (organizer and presenter)

International Risk Governance Council, Workshop on Unconventional Gas Development, Zurich, Switzerland, November 5-6, 2012 (participant and moderator)

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North Carolina State University and North Carolina Green Industry Council, Annual Water Symposium, Presentation on Water Allocation Challenges in North Carolina, Raleigh, NC, August 2, 2012

National Association of Regional Councils, Annual Meeting, Presentation on Shale Gas Development, St. Petersburg, FL, June 13, 2012

Duke University Nicholas Institute for Environmental Policy Solutions, Workshop on Impacts to North Carolina Local Governments from Shale Resource Development, March 12, 2012 (organizer, moderator, and presenter)

American Bar Association, Eastern Water Resource Law, Presentation on North Carolina's Approach to Water Supply Planning, Orlando, FL, May 20, 2010

Duke University Nicholas Institute for Environmental Policy Solutions, Water Environment Federation, and the Johnson Foundation, Conference on the Clean Water Act, Racine, Wisconsin, October 26-28, 2009.

SELECT PUBLICATIONS

2020 Karasik, R.,* T. Vegh,* Z. Diana,* J. Bering, J. Caldas, A. Pickle, D. Rittschof, and J. Virdin. 20 Years of Government Responses to the Global Plastic Pollution Problem: The Plastics Policy Inventory. NI X 20-05. Durham, NC: Duke University

2019 Karasik, R., Pickle, A., Roady, S.A., Vegh, T. and Virdin, J. Analysis of Policies related to the Protection of Coral Reefs-Analysis of global and regional policy instruments and governance mechanisms related to the protection and sustainable management of coral reefs. United Nations Environment Programme, Nairobi, Kenya.

2017 Harrison, J., Pickle, A., Vegh, T. and J. Virdin. North Carolina's Ocean Economy: A First Assessment and Transitioning to a Blue Economy. North Carolina Sea Grant and Duke University Nicholas Institute of Environmental Policy Solutions. Raleigh, North Carolina.

2016 Young, Ben, Lydia Olander, and Amy Pickle. Use of Preservation in North Carolina Wetland and Stream Mitigation. NI WP 17-04. Durham, NC: Duke University.

2016 Jowers, Kay, and Amy Pickle. North Carolina Electricity Planning. NI WP 16-10. Durham, North Carolina: Duke University.

2015 Robert B. Jackson, Ella R. Lowry, Amy Pickle, Mary Kang, Dominic DiGiulio, and Kaiguang Zhao The Depths of Hydraulic Fracturing and Accompanying Water Use Across the United States. *Environmental Science & Technology* **2015** 49 (15), 8969-8976

2014 Jowers, K., Amy Pickle, and Rowan Schmidt. Twenty First Century Water Asset Accounting: Implications Report. 13 Water and Environment Research Foundation 1.