

# Pamela A. Green

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Providence, RI, USA | [pg@pamelaagreen.com](mailto:pg@pamelaagreen.com) | [pamelaagreen.com](http://pamelaagreen.com) | [LinkedIn](#)

## CAREER PROFILE

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Water and Climate Scientist with over 15 years of experience leading comprehensive hydrologic investigations, sustainability projects, and innovative research in water and climate risk assessments and resilience planning. Recognized for developing science-based analytic tools and robust predictive models to address critical water and climate challenges. Experience in interpreting complex hydrologic data, managing data collection, conducting analysis, ensuring quality assurance, and performing research. Proven track record in fostering collaboration with stakeholders across industry, government, public sector, finance, international development, and NGOs. Demonstrated success leading cross-disciplinary teams in projects up to \$2 million; secured \$5 million in project funding over 10+ years; published 50+ science articles, including high-impact peer-review journals.

Core competencies include Innovative Water & Climate Research Implementation, Hydrologic Data Management & Quality Assurance, Collaborative Leadership & Multi-Stakeholder Engagement, State-of-the-Science Research Design & Development, Science Communication & Guidance, Science Publications, Grants/Proposals, Supervisory & Project Management Skills

## CAREER HIGHLIGHTS

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- Led shoreline and streambank stabilization projects, organizing surveys and sampling for brownfield and superfund site assessment, creating effective dam removal impact analysis and sustainable design alternatives for climate resilience
- Built proof-of-concept water and climate risk tool for an S&P 500 finance technology company serving ~8,000 global investment clients and over 200,000 individual users
- Developed first planetary freshwater boundary indicator advancing science knowledge on sustainable freshwater Earth system limits impacting one-third of world's population; landmark studies published in *Nature* portfolio journals

## PROFESSIONAL EXPERIENCE

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**SLR Consulting**, Boston, MA 2024-Present

Global consultancy providing expert guidance in climate resilience and water management, specializing in data-driven solutions to enhance water security and sustainability.

**Climate Resilience Scientist**, 2024-Present

Leads water & climate resilience initiatives, stakeholder engagement, manages hydrologic investigations, field data collection, and scenario analysis for sustainable water solutions.

- Led shoreline and streambank stabilization projects organizing surveys and sampling for brownfield and superfund site assessment, creating effective dam removal impact analysis and sustainable design alternatives for climate resilience
- Developed and supervised regulatory documentation, including Quality Assurance Project Plans, for a \$0.5 million flood mitigation project, ensuring compliance and project success
- Led Climate Action Plan development, coordinating public outreach and integrating research with agency CAP needs, achieving effective emission goals and climate risk assessments

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**TerraBlue Science LLC**, Providence, RI 2023-2024  
Sole proprietorship, environmental consulting group offering scientific expertise and bespoke tools for water & climate risks, sustainable water management, and nature-based solutions.

**Principal Water and Climate Scientist**, 2023-Present

Subject matter expert in water and climate science; develops sustainability metrics for diverse clients; bridges scientific insights with practical tools for sustainable corporate and investment decisions; expertise in translating scientific research into real-world solutions.

- Designed and built framework mapping sustainable water opportunity locations worldwide to guide private sector engagement in the expanding water and climate solutions market
- Built proof-of-concept water and climate risk tool for an S&P 500 finance technology company serving ~8,000 global investment clients and over 200,000 individual users

**CUNY, Advanced Science Research Center and CCNY**, New York, NY 2008-2023  
Environmental sciences research group focusing on synthesis studies of the interactions of the water cycle, climate, biogeochemistry, and human activities.

**Senior Research Scientist**, Advanced Science Research Center, 2015-2023

Designed water & climate research, leading cross-cultural, inter-disciplinary teams; built functional metrics & frameworks for sustainable water management worldwide.

- Created analytical framework including 60+ science-based metrics of severe climate risks impacting 40% of the world's population to guide UN human development goals
- Developed first planetary freshwater boundary indicator advancing science knowledge on sustainable freshwater Earth system limits; published in *Nature* portfolio journals
- Maximized workflow efficiency and team productivity on a \$1.7 million NASA project managing a 20-member research team to deliver a groundbreaking coastal risk tool

**Research Associate / Hydrologist**, Environmental Crossroads @ CCNY, 2008-2015

Conducted advanced research in human-climate-water cycle interactions; developed strategies for sustainable water management; built indicators for global water security.

- Developed trade-off tool for the World Bank to assess downstream flood loss and water quality costs, guiding climate resilience finance and water policy planning in Africa
- Informed strategies for sustainable urban growth via models to forecast water stress in rapidly growing major cities in developing nations, impacting 3 billion urban dwellers

**ADDITIONAL EXPERIENCE**

**Senior Manager / Spatial Data Scientist**, Pacific Meridian Resources, Atlanta, GA  
Founded East Coast U.S. branch, consistently achieving positive earnings annually

**Environmental Engineer**, Law Engineering & Environmental Services, Atlanta, GA  
Generated U.S. regulatory compliance plans for stormwater and wetland restoration

**EDUCATION**

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**M.E.** in Environmental Engineering, University of Florida, Gainesville, FL  
**B.S.** in Zoology, University of Rhode Island, Kingston, RI