

EDUCATION

Appalachian State University, Boone, NC

Masters of Art in Geography, Fall 2021

Thesis: Geomorphic response to the removal of the Ward's Mill Dam on the Watauga River, Western NC

Cratis D. Williams Society Inductee

Appalachian State University, Boone, NC

Bachelor of Science in Geography, May 2020

Geographic Information Systems (GIS) Certificate

WORK EXPERIENCE

GIS Lab Supervisor & Adjunct Instructor | January 2022 - current |

Department of Geography and Planning, Appalachian State University, Boone, NC

Freelance Cartographer & Designer | August 2022 - current

Research Assistant | October 2019 - December 2021 | Appalachian State University, Boone, NC

Trail Crew Member | April 2020 - October 2020 | Southern Appalachian Wilderness Stewards, Linville Gorge, NC

Owner & Founder | 2007 - 2019 | Death By Ink Printshop, Greensboro and Banner Elk, NC

GIS Field Technician | January 2008 - July 2011 | City of Greensboro Water Resources, Greensboro, NC

RESEARCH INTERESTS

Fluvial Geomorphology, Data Visualization, Geovisualization, Appalachian Health and Culture.

RESEARCH PUBLICATIONS

Biddle, K.S., Rose, L.T., DeShields, S., Gelsthorpe, A., Duckett, M., Lodge, L., Adams, C., **Platt, J.R.** 2025. Art Relief Map: An Emergent Topography of Expressive Arts Offerings After a Natural Disaster. *Journal of Applied Arts & Health*. (Under Review).

Praskievicz, S., Martin, D.J., **Platt, J.R.**, Stephens, S. 2024. Spatial analysis of large wood storage in Coastal Plain rivers of the Southeast US. *River Research and Applications*, 2024; 0:1-12. <https://doi.org/10.1002/rra.4415>. ([PDF](#)).

Platt, J.R., Martin, D.J., Mayfield, M., Armstrong, W. 2023. Geomorphic Response to the Removal of the Ward's Mill Dam on the Watauga River, North Carolina. *Southeastern Geographer*, 64(02). doi.org/10.1353/sgo.0.a918863. ([PDF](#)).

RESEARCH PRESENTATIONS

Martin, DJ, **Platt, J.**, Ingram, A, Lucero, C, and Ryan, S. November 2023. Assessing the effectiveness of beaver dam analogs (BDAs) as a stream restoration tool. Annual Meeting of the Southeastern Division of the American Association of Geographers, Norfolk, Virginia.

Shu, S., OK-Youn Yu, **Platt, J.**, Martin, D. December 2023. UAV-based Monitoring of Soil Erosion Induced by Dam Removal. Paper Presentation. American Geophysical Union Fall Meeting, San Francisco, CA.

Platt, J.R. Fall 2023. Geomorphic changes following the removal of the Ward's Mill Dam, Western North Carolina. Department of Chemistry and Geosciences Geography Colloquium, Jacksonville State University, Jacksonville, AL.

Thapa, B., Upadhyay, U., Sharma, I., **Platt, J.R.** 2023. Urban Greenspace is a Critical Nature-based Infrastructure for the Climate Resilience of Kathmandu Valley, Nepal. Paper Presentation. Kathmandu Conference on Nepal and the Himalaya, Kathmandu, Nepal.

Crank, T., Thapa, B., **Platt, J.R.**, Schrum, N. Strategies for Improving Walkability on Campus: Case of Appalachian State University. Poster Presentation. April 19th, 2023. Celebration of Student Research & Creative Endeavors, Appalachian State University, Boone, NC.

Farrior, J., Nunnery, D.L., Sugg, M.M., **Platt, J.R.**, Roy, M. Using GIS Service Area Analyses to Identify Characteristics of WIC Inaccessible Regions. Poster Presentation. April 19th, 2023. Celebration of Student Research & Creative Endeavors, Appalachian State University, Boone, NC.

Platt, J.R., Martin, D.J., Mayfield, M., Armstrong, W. March 26th, 2023. Geomorphic changes following the removal of a Dam in Western North Carolina. Paper Presentation. American Association of Geographers, Denver, CO.

Platt, J.R., Martin, D.J., Mayfield, M., Armstrong, W. September 21st, 2022. Geomorphic changes following the removal of the Ward's Mill Dam, Western North Carolina. Poster Presentation. Southeastern Division of the American Association of Geographers, Atlanta, GA.

Martin, D.J., Praskiewicz, S., Sigdel, R., **Platt, J.R.**, Stephens, S. September 21st, 2022. Investigating the Influence of Large Wood on Bedform Complexity In Low Gradient Rivers. Poster Presentation. Southeastern Division of the American Association of Geographers, Atlanta, GA.

Martin, D.J., **Platt, J.R.**, Praskiewicz, S. September 2022. Using SONAR to investigate relationships between fluvial wood and channel bedroom in a low gradient, coastal plain river. Poster Presentation. IAG International Conference on Geomorphology, Coimbra, Portugal.

Platt, J.R., Martin, D.J., Mayfield, M., Armstrong, W. April 21st, 2022. Immediate changes in channel morphology following a dam removal in Southern Appalachia. Poster Presentation. Appalachian State University Celebration of Student Research, Boone, NC. (*research award finalist*).

Platt, J.R., Martin, D.J., Mayfield, M., Armstrong, W. February 28th, 2022. Changes in particle size distribution and suspended sediment concentrations following the removal of a dam in Southern Appalachia. Virtual Poster Presentation. Annual meeting of the American Association of Geographers, New York, NY.

GRANTS

Martin, D.J. & **Platt, J.R.** 2022. Phase 2 Geomorphic Monitoring of the Ward's Mill Dam Removal. Blue Ridge Resource Conservation and Development. \$9,483 - \$48,970. (Not Awarded).

HONORS & AWARDS

Cratis D. Williams Society Inductee, Appalachian State University (December 2022)
Poster Presentation Finalist, Appalachian State University Celebration of Student Research (April 2022)
Outstanding Senior, Appalachian State University Department of Geography and Planning (May 2021)
Junior Marshall, Appalachian State University Department of Geography and Planning (May 2020)
Neil Lineback Geography in the News Scholarship, Appalachian State University, \$800. (August 2020)
Chancellor's List, (Fall 2019 - Spring 2021)

COURSES TAUGHT

GHY 1011: Global Climate Change Lab - 1 Section - Spring 2022
GHY 1012: Global Change in the Biosphere Lab - 4 Sections - Fall 2021/Spring 2022
GHY 2310: Cartographic Design and Analysis - Spring 2023

DEPARTMENTAL SERVICE

Awards and Scholarships Committee - Spring 2023 - present

PROFESSIONAL AFFILIATIONS

American Association of Geographers, Geomorphology Specialty Group
North American Cartographic Information Society
Southeastern Division of the American Association of Geographers

MEDIA

2020 ASU College of Arts and Sciences YouTube: Research in the time of COVID19

SKILLS, PROFICIENCIES, & CERTIFICATIONS

Adobe Creative Suite
- Illustrator
- Photoshop
- InDesign

QGIS
R Studio
HTML, Java, CSS →
Cartographic Design ([example](#))

Field Methods & Data Collection
Data Visualization
Web Mapping ([example](#))
Thematic Cartography ([example](#))

** must have a Google account to view examples. Due to Google Drive compression, I recommend downloading the files to view at maximum resolution.*