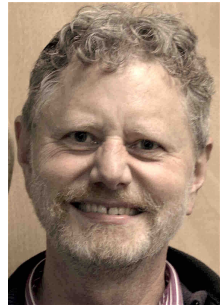


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Research Specialization

- Fluid flow and hydrogeochemical fate and transport in surface and subsurface environments; focusing on the physical, chemical, mathematical, and statistical description and quantification of hydrologic processes

Education

- 1988, Doctor of Philosophy, Dept of Hydrology & Water Resources, College of Engineering & Mines, University of Arizona; Dissertation: **Fluid flow and solute transport through three-dimensional networks of variably saturated discrete fractures**; Advisor: Daniel D Evans
- 1982, Master of Science, Dept of Hydrology & Water Resources, College of Earth Sciences, University of Arizona; Thesis: **Solute transport in saturated fractured media**; Advisor: Eugene S Simpson
- 1976, Bachelor of Science, School of Forestry, University of California, Berkeley; Major: Forest Resource Management; Advisor: Paul J Zinke

Academic Positions

- Warnell School of Forestry & Natural Resources, University of Georgia, Athens
 - 2007-present, Professor
 - 1998-2007, Associate Professor
 - 1992-1998, Assistant Professor
- Department of Hydrology & Water Resources, University of Arizona, Tucson
 - 1991-1992, Adjunct Assistant Professor
 - 1989-1991, Assistant Research Scientist
 - 1986-1989, Research Associate
 - 1980-1981, Graduate Teaching Assistant
 - 1979-1982, Graduate Research Assistant
- Division of Economic & Business Research, University of Arizona, Tucson
 - 1982-1986, Graduate Research Assistant

Professional Positions

- 1980-1988, Hydrologic Consultant, AquaScience Inc, Tucson AZ.
- 1983, Hydrologic Intern, Basalt Waste Isolation Project, US Dept of Energy, Hanford WA.
- 1976-1979, Watershed Technician (Peace Corps Volunteer), Corporación Hondureña de Desarrollo Forestal (CODEFOR), Honduras, Central America.

Publications

Books and Monographs

- Depner JS, TC Rasmussen (2016) *Hydrodynamics of time-periodic groundwater flow: Diffusion waves in porous media*. American Geophysical Union - Geophysical Monograph 224, 324 pp. ISBN 978-1-119-13394-0
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Editor of Proceedings

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- Rasmussen TC, JL Mills (eds) (1983) *Hydrology and water resources of Arizona and the Southwest*, Proceedings, AAAS-AWRA, Arizona-Nevada Chapter, Apr 16, 1983, 147 pp.
- Rasmussen TC, ML Tidwell (eds) (1982) *Hydrology and water resources of Arizona and the Southwest* Proceedings, AAAS-AWRA, Arizona-Nevada Chapter, Apr 24, 1982, 167 pp. <http://arizona.openrepository.com/arizona/handle/10150/301320>

Chapters in Books

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- o Deemy JB, BM Hall, KK Takagi, KN Tyler, TC Rasmussen (2022) Chapter 4 - Physicochemical environment. in: T Dalu, RJ Wasserman (eds.) *Fundamentals of Tropical Freshwater Wetlands: From Ecology to Conservation Management* p 87-109. doi [10.1016/B978-0-12-822362-8.00022-0](https://doi.org/10.1016/B978-0-12-822362-8.00022-0)
- o Rasmussen TC, M Foroughi, D Markewitz (2021) Chapter 12 - Carbon and Nutrient Fluxes Within Southeastern Piedmont Critical Zones. in A Hunt, M Egli, B Faybishenko (eds) *Hydrogeology, Chemical Weathering, and Soil Formation*. doi [10.1002/9781119563952.ch12](https://doi.org/10.1002/9781119563952.ch12)
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- Rasmussen TC, PJ Sheets, DD Evans (1992) **Unsaturated hydraulic conductivity estimates of Apache Leap Tuff obtained with a modified outflow method** in van Genuchten MTh, FJ Leij, LJ Lund (eds), *Indirect methods for estimating the hydraulic properties of unsaturated soils*, University of California, Riverside, p 645-652.
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- o Milewski AM, MB Thomas, WM Seyoum, TC Rasmussen (2019) Spatial downscaling of GRACE TWSA data to identify spatiotemporal groundwater level trends in the Upper Floridan Aquifer, Georgia, USA, *Remote Sensing* 11:2756. doi [10.3390/rs11232756](https://doi.org/10.3390/rs11232756)
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- Mathes SE, TC Rasmussen (2006) **Combining multivariate statistical analysis with geographic information systems mapping: a tool for delineating groundwater contamination** *Hydrogeology Journal* 14:1493-1507.
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- Zeng X, TC Rasmussen (2005) **Multivariate statistical characterization of water quality in Lake Lanier, Georgia, USA** *J Environmental Quality* 34:1980-1991.
- Rasmussen TC, KG Haborak, MH Young (2003) **Estimating aquifer hydraulic properties using sinusoidal pumping at the Savannah River Site, South Carolina, USA** *Hydrogeology* 11:466-482.
- Rasmussen TC, GQ Yu (2003) **A complex variable boundary-element strategy for determining groundwater flownets and travel times** *Advances in Water Resources* 26(4):395-406.
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- o Milewski A, TC Rasmussen, H Hutcheson, J Faustini (2018) *Water Resource Inventory and Assessment: Felsenthal National Wildlife Refuge*, US Fish and Wildlife Service, Southeast Region. Atlanta GA. 104 pp. + appendices. (Technical Report)
- o Milewski A, TC Rasmussen, H Hutcheson, J Faustini (2018) *Water Resource Inventory and Assessment: Pond Creek National Wildlife Refuge*, US Fish and Wildlife Service, Southeast Region. Atlanta GA. 76 pp. + appendices. (Technical Report)
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- o Shelton JJ, TC Rasmussen, GR Hopkins (2019), Improving fish habitat below impoundments using alternative discharge structures, *Georgia Water Resources Conference*, University of Georgia. Athens, Apr 16-17 (oral)
- o Kannan A, DE Radcliffe, TAP Saintil, TC Rasmussen (2019) Tracking and managing nonpoint source pollution at Lake Herrick Watershed, Athens, Georgia, *Georgia Water Resources Conference*, University of Georgia. Athens, Apr 16-17 (oral)
- o Younger SE, CRT Jackson, TC Rasmussen (2019) Influence of forest and vegetation type on annual evapotranspiration estimated by water budgets across 46 rural basins in the Southeastern US, *Georgia Water Resources Conference*, University of Georgia. Athens, Apr 16-17 (oral)
- o Rasmussen TC, S Raulerson (2019), Multi-decadal forest streamflow behavior in Falling Creek, Georgia, *Georgia Water Resources Conference*, University of Georgia. Athens, Apr 16-17 (poster)
- o Wang C, KK Takagi, JB Deemy, TC Rasmussen (2019) Assessing coliform ratios in depressional wetlands as potential indicators of hydrologic connectivity, *Georgia Water Resources Conference*, University of Georgia. Athens, Apr 16-17 (poster)
- o Marneault L, TC Rasmussen, P Bumpers (2019) Twenty years of community stream monitoring in Athens, GA: Analysis and policy recommendations, *Georgia Water Resources Conference*, University of Georgia. Athens, Apr 16-17 (poster)
- o Creviston MJ, AM Milewski, H Hutcheson, TC Rasmussen, M Moorman, J Faustini, J Conrad (2019) Land use and land cover change in the Caloosahatchee River Basin in Southern Florida, *Georgia Water Resources Conference*, University of Georgia. Athens (poster)

- o Thomas M, A Milewski, W Seyoum, TC Rasmussen (2018) Downscaling satellite gravimetry data to identify drawdown patterns in a heavily allocated karst aquifer, *American Geophysical Union, Fall Conference* Washington DC (Poster)
- o Kannan A, TM Saintil, DE Radcliffe, TC Rasmussen (2018) Tracking and managing non-point source pollution at Lake Herrick watershed, Athens, Georgia, *UGA Sustainability Semester in Review*, Dec 5 (Poster)
- o Deemy JB, TC Rasmussen (2017) Predicting storm generated surface flows on the Dougherty Plain, Southwest Georgia. *CUAHSI Conference on Hydroinformatics*, Tuscaloosa AL (poster)
- o Deemy JB, TC Rasmussen (2017) Predicting episodic storm flows through a longleaf pine / wiregrass forest on the Dougherty Plain, southwest Georgia. *Georgia Water Resources Conference*, University of Georgia. Athens (oral)
- o Deemy JB, CL Keogh, TC Rasmussen (2017). Assessment of learning objective achievement by the Watershed UGA: Introduction to watersheds module. *Georgia Water Resources Conference*, University of Georgia. Athens (poster)
- o Deemy JB, J Hepinstall-Cymerman, LK Kirkman, TC Rasmussen (2017) Water quality of thirty-one isolated wetlands embedded in a longleaf pine / wiregrass ecosystem regarding connectivity to episodic flows generated from agricultural runoff. *Geological Society of America*, Southeastern Section meeting, Richmond VA (oral)
- o Deemy JB, J Hepinstall-Cymerman, LK Kirkman, TC Rasmussen (2017) Hydrologic description of thirty-one isolated wetlands embedded in a longleaf pine / wiregrass forest: Influence of connectivity to reference condition and agricultural storm runoff. *Geological Society of America* Southeastern Section meeting, Richmond VA (poster)
- o Francis JN, JB Deemy, TC Rasmussen (2017) Campus streams and Lake Herrick: highlighting undergraduate volunteer research and watershed education. *Georgia Water Resources Conference*, University of Georgia, Athens (special session)
- o Francis JN, JB Deemy, TC Rasmussen (2017) A conceptual model demonstrating experiential learning, watershed education, and volunteer research using campus streams and Lake Herrick. *Georgia Water Resources Conference*, University of Georgia, Athens (poster)
- o Hutcheson H, CH Lord, TC Rasmussen (2017) A GIS groundwater risk assessment of the US Forest Service Southern Region. *SOFOR 2017*, University of Georgia, Athens (poster)
- o Kannan A, T Saintil, DE Radcliffe, TC Rasmussen (2017) Water quality monitoring to restore and enhance Lake Herrick. *American Geophysical Union*, Fall Meeting, New Orleans LA (poster)
- o Kannan A, T Saintil, DE Radcliffe, TC Rasmussen (2017) Water quality monitoring to restore and enhance Lake Herrick. *Georgia Water Resources Conference*, University of Georgia, Athens (poster)
- o Kannan A, T Saintil, DE Radcliffe, TC Rasmussen (2017) Water quality monitoring to restore and enhance Lake Herrick. *SERA-17: Innovative Solutions to Minimize Phosphorus Losses from Agriculture*, Maumee Bay State Park OH (poster)
- o Lundy DA, JF Dowd, TC Rasmussen (2017) Historical trend testing of a mass-balance method for LNAPL body stability at Bemidji, MN. *Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies*, Miami FL (poster)

- o Lundy DA, JF Dowd, TC Rasmussen (2017) Field trials for periodic slug testing for LNAPL and aquifer parameters. *Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies*, Miami FL (oral)
- o Pruitt CA, DS Leigh, TC Rasmussen, OP Flite III (2017) A sediment yield investigation in an urban stream. *Georgia Water Resources Conference*, University of Georgia, Athens (poster)
- o Rasmussen TC (2017) Green roofs @ UGA. *River Basin Center Microconference*, University of Georgia, Athens (invited speaker)
- o Rasmussen TC (2017) Water resources research at UGA. *H2OTech: First Annual Water Technology Innovation Conference*, Atlanta GA (invited speaker)
- o Rasmussen TC (2017) Big data in hydrology: Information management from hillslope to continental scales. *Georgia Water Resources Conference*, University of Georgia, Athens (oral)
- o Saintil T, A Kannan, DE Radcliffe, TC Rasmussen, M Habteselassie, J Calabria (2016) Targeting the sources of fecal contamination using dog-, human-, and ruminant-specific markers in the Lake Herrick Watershed, Georgia. *American Geophysical Union*, Fall Meeting, San Francisco CA (poster)
- o Saintil T, DE Radcliffe, TC Rasmussen, A Kannan (2017) Trail Creek I: Assessing the water quality of streams using fecal indicator bacteria and microbial source tracking. *American Geophysical Union*, Fall Meeting, New Orleans LA (poster)
- o Saintil T, A Kannan, DE Radcliffe, TC Rasmussen, M Habteselassie, J Calabria (2017) Water quality assessment of streams in the Trail Creek watershed, Georgia. *Georgia Water Resources Conference*, University of Georgia, Athens (poster)
- o Saintil T, DE Radcliffe, TC Rasmussen, A Kannan (2017) Assessing the Water Quality of Streams in the Trail Creek watershed, *River Basin Center Microconference*, University of Georgia, Athens (oral)
- o Webster C, A Milewski, TC Rasmussen, JF Dowd, RR Rotz, HH Hutcheson, S Maher, J Ertel, J Faustini, Grant Graves (2017) Immediate and long term threats to water resource availability at Felsenthal National Wildlife Refuge. *Georgia Water Resources Conference*, University of Georgia, Athens (poster)
- Deemy JB, CL Keogh, TC Rasmussen, 2016, *Efficacy of the Watershed UGA: Introduction to Watersheds Module at Achieving Stated Learning Objectives* UGA STEM Institute, Athens GA. Poster.
- Deemy JB, J Hepinstall-Cymerman, LK Kirkman, TC Rasmussen, 2016. *Influence of agricultural runoff: water quality of reference condition isolated wetlands embedded in a longleaf-pine / wiregrass ecosystem* UGA Warnell Graduate Student Association Symposium, Athens GA. Poster.
- Deemy JB, JF Dowd, TC Rasmussen, JL Shelton, 2016, *Hydropattern on three axes: Flow regularity, flow duration, and flow seasonality* UGA Warnell Graduate Student Association Symposium, Athens GA. 5-Minute Speed Talk.
- Deemy JB, TC Rasmussen, 2016, *Conceptual Modeling of Wetland Ecosystem* UGA 4th Advanced Teacher Conservation Workshop, Sep 23-25th. Presentation
- Rasmussen TC, SE Younger, JB Deemy, LE Brockman, SE Kirk, 2016, *Big Data that Supports Hydrologic Modeling from Continental to Hillslope Scales*, American Geophysical Union, Fall Meeting, San Francisco CA. Poster
- Ignatius AR, TC Rasmussen, 2015, *Small Reservoir Impacts on Stream Water Quality in Agricultural, Developed, and Forested Watersheds: Georgia Piedmont, USA*, in RJ McDowell, CA Pruitt, R Bahn (eds), *Proceedings 2015 Georgia Water Resources Conference*, April 28-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.

- Bhuiyan RA, TC Rasmussen, 2015, *A Study of Chloride and Rhodamine Dye Tracer Movement through an Urban Stream and Raingarden*, in RJ McDowell, CA Pruit, R Bahn (eds), *Proceedings 2015 Georgia Water Resources Conference*, April 28-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Deemy JB, J Hepinstall-Cymerman, LK Kirkman, TC Rasmussen, 2015, *Water Quality of Episodic Flow through Isolated Wetlands Embedded in a Long Leaf Pine / Wiregrass Ecosystem*, in RJ McDowell, CA Pruit, R Bahn (eds), *Proceedings 2015 Georgia Water Resources Conference*, April 28-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Rasmussen TC, 2014, *Using Pressure to Measure Fluid Density ... and why pressure transducers don't (always) measure water depth*, Invited Speaker, UGA Engineering Graduate Student Association, August 28.
- Rasmussen TC, 2014, *Using Pressure to Measure Fluid Density ... and why pressure transducers don't (always) measure water depth*, Invited Speaker, Iowa Flood Center, University of Iowa, Weekly Seminar, October 31.
- Rasmussen TC, 2014, *Water Quality and Managed Forests: Already good, but good enough?*, Invited Speaker, Georgia Forests and Drinking Water Forum, Savannah, GA, November 17-18.
- McKay SK, TC Rasmussen, 2013, *Declaring Drought for Effective Water Management*, in R Bahn, A Forsberg (eds), *Proceedings 2013 Georgia Water Resources Conference*, April 10-11, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Deemy JB, J Hepinstall-Cymerman, LK Kirkman, N. Nibbelink, TC Rasmussen, 2013 *Spatial modeling of biologically relevant subsurface hydrologic connectivity between isolated wetlands and jurisdictional surface waters in the Dougherty Plain, Georgia*, in R Bahn, A Forsberg (eds), *Proceedings 2013 Georgia Water Resources Conference*, April 10-11, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Rasmussen TC, 2011, *Hydrologic Impacts of Energy Production* in GD Carroll (ed), *Proceedings 2011 Georgia Water Resources Conference*, April 11-13, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Avant BK, AR Ignatius, TC Rasmussen, AJ Grundstein, TL Mote, JM Shepherd, 2011, *Coupling Tritium Release Data with Remotely Sensed Precipitation Data to Assess Model Uncertainties* in GD Carroll (ed), *Proceedings 2011 Georgia Water Resources Conference*, April 11-13, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Sheridan R, GD Carroll, CR Jackson, TC Rasmussen JL Shelton, 2009, *Simple Alternative Methods for the Biological Component of Watershed Assessments* in GD Carroll (ed), *Proceedings 2009 Georgia Water Resources Conference*, April 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Zeng W, Y Zhang, B Couch, TC Rasmussen, 2009, *Incorporating the Cold-Water Pool in Lake Lanier Conservation Storage Management* in GD Carroll (ed), *Proceedings 2009 Georgia Water Resources Conference*, April 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Little E, LM Risse, V Nzengung, TC Rasmussen, T Sherrell, 2009, *Remediation Processes in a State Botanical Garden Wetland Impacted by Agricultural Nutrient Loading* in GD Carroll (ed), *Proceedings 2009 Georgia Water Resources Conference*, April 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.

- Rasmussen TC, E Ceballos, 2009, *The Effects of Sediment Removal on Internal Nutrient Cycling and Eutrophication in Lake Allatoona* in GD Carroll (ed), *Proceedings 2009 Georgia Water Resources Conference*, April 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA.
- Tedela N, SC McCutcheon, TC Rasmussen, 2007, *Effects of seasonal variation on runoff Curve Number for selected watersheds of Georgia: Preliminary study* in Rasmussen TC, GD Carroll, AP Georgakakos, (eds), 2007, *Proceedings 2007 Georgia Water Resources Conference* March 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA, ISBN 0979410002, p. 64-67.
- Carter TL, TC Rasmussen, CR Jackson, A Keeler, L Fowler, JL Meyer, D Gattie, 2007, *Vegetated roofs: Performance and policy in Athens, GA* in Rasmussen TC, GD Carroll, AP Georgakakos, (eds), 2007, *Proceedings 2007 Georgia Water Resources Conference* March 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA, ISBN 0979410002, p. 218-221.
- Little E, S Eggert, D Wenner, T Rasmussen, D Conners, D Fischer, 2007 *Results from six years of community-based volunteer water quality monitoring by the Upper Oconee Watershed Network* in Rasmussen TC, GD Carroll, AP Georgakakos, (eds), 2007, *Proceedings 2007 Georgia Water Resources Conference* March 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA, ISBN 0979410002, p. 438-441.
- Ceballos EL, TC Rasmussen, 2007, *Internal loading in Southeastern Piedmont impoundments* in Rasmussen TC, GD Carroll, AP Georgakakos, (eds), 2007, *Proceedings 2007 Georgia Water Resources Conference* March 27-29, Warnell School of Forestry and Natural Resources, University of Georgia, Athens GA, ISBN 0979410002, p. 599-602.
- Carter TL, TC Rasmussen, 2005, *Use of green roofs for ultra-urban stream restoration in the Georgia Piedmont(USA)* in Hatcher, KJ (ed), *Proceedings 2005 Georgia Water Resources Conference*, Athens GA, p. 612-616.
- Keeler AG, TC Rasmussen, 2005, *Essential decisions for an instream flow policy* in Hatcher, KJ (ed), *Proceedings 2005 Georgia Water Resources Conference*, Athens GA, p. 266-269.
- Carroll GD, TC Rasmussen, 2005, *Identifying sewage failures in urban environments: Examples from Athens, GA* in Hatcher, KJ (ed), *Proceedings 2005 Georgia Water Resources Conference*, Athens GA, p. 218-231.
- Rasmussen TC, Yu GQ, 2004, *Determination of groundwater velocities using complex flux boundary conditions*, in, Miller CT, Farthing MW, Gray WG, Pinder GF (eds), *Computational Methods in Water Resources*, *Proceedings of the XVth International Conference on Computational Methods in Water Resources (CMWR XV)*, June 13-17, 2004, Chapel Hill, NC, Elsevier, p. 393-404.
- Mayhew, M, TC Rasmussen, and AK Parker, 2001, *Phosphorus Binding by Iron-Rich Soil in the Southeastern Piedmont: Implications for Point and Non-point Sources of Phosphorus* in Hatcher, KJ (ed), *Proceedings 2001 Georgia Water Resources Conference*, Athens GA, p. 453-456.
- Parker, AK and TC Rasmussen, 2001, *Phosphorus Cycling in Southeastern Piedmont Lakes* in Hatcher, KJ (ed) *Proceedings 2001 Georgia Water Resources Conference*, p. 457-460.
- Vallotton, BA and TC Rasmussen, 2001, *Interviews of Georgia Water Resources Scientists and Managers* in Hatcher, KJ (ed), *Proceedings 2001 Georgia Water Resources Conference*, Athens GA, p. 525-527.

- Mathes, SE and TC Rasmussen, 2001, *GIS Modeling of Ground-Water Contamination at the Savannah River Site* in Hatcher, KJ (ed), Proceedings 2001 Georgia Water Resources Conference, Athens GA, p. 594-596.
- Calhoun, DL and TC Rasmussen, 2001, *Densimetric Monitoring of Suspended-Sediment Concentrations, Northeastern Georgia* in Proceedings of the Seventh Federal Interagency Sedimentation Conference, Reno NV.
- Calhoun, DL and TC Rasmussen, 1999, *Real-Time Density and Sediment Measurements using Pressure Transducers* 1999 Georgia Water Resources Conference, Athens, Georgia, p. 303-306.
- Cox, BV and TC Rasmussen, 1999, *Daily Sediment Loads in the North Oconee River* 1999 Georgia Water Resources Conference, Athens, Georgia, p. 307-309.
- Zeng XQ and TC Rasmussen, 1999, *Water Quality Dynamics in Lake Lanier* 1999 Georgia Water Resources Conference, Athens, Georgia, p. 350-353.
- Rasmussen, TC, J Reed, J Bollinger, 1998, *A Decision Tree Methodology for Source Water Assessment and Protection* Source Water and Protection 98, Dallas, TX, p. 39-45.
- Holmbeck-Pelham, SA and TC Rasmussen, 1997, *Characterization of Temporal and Spatial Variability of Turbidity in the Upper Chattahoochee River* 1997 Georgia Water Resources Conference, Athens, Georgia, p. 144-147.
- Burkingstock, BK, PB Bush, YC Berisford, JF Dowd, JB Feild, WW Johnson, TC Rasmussen, and JW Taylor, 1997, *Predicting the Fate of Imidacloprid in a Coastal Plain Setting Using VS2DT* 1997 Georgia Water Resources Conference, Athens, Georgia, p. 508-511.
- Rasmussen TC and GQ Yu, 1997, *Complex Variable Boundary Integral Modeling of Groundwater Flow and Transport* 1997 Georgia Water Resources Conference, Athens, Georgia, p. 379-382.
- Rasmussen, TC and JE Kundell, 1996, *Enforceable Turbidity Standards: The Policy and Technical Debate in Georgia* Effectiveness of Erosion and Sediment Control: Practices and Perspectives, North Carolina Sedimentation Control Commission, Raleigh, NC, September 24-25.
- Bennett, CB, JK Reed, AC Bruns and TC Rasmussen, 1996, *Real and Perceived Sources of Gradient Calculation Error in the Savannah River Site Groundwater Monitoring Program* International Topical Meeting on Nuclear and Hazardous Waste Management, Seattle, WA, August 18-23, p. 1138-1145.
- Reed, JK, CB Bennett, AC Bruns and TC Rasmussen, 1996, *Shared Benefits of an ERDA Task: The Savannah River Site and University of Georgia at Athens* International Topical Meeting on Nuclear and Hazardous Waste Management, American Nuclear Society, Seattle, WA, August 18-23, p. 1636-1643.
- Rasmussen, TC, 1996, *Overcoming Diffusion-Limited Processes Using Enhanced Advective Fields* Emerging Technologies in Hazardous Waste Management, American Chemical Society, Atlanta, GA.
- Kundell, JE and TC Rasmussen, 1995, *Recommendations of the Georgia Board of Regents' Scientific Panel on Evaluating the Erosion Measurement Standard Defined by the Georgia Erosion and Sedimentation Act* 1995 Georgia Water Resources Conference, Athens, Georgia, p. 211-217.
- Crawford, LA and TC Rasmussen, 1995, *Effects of Barometric Pressure on Water Levels and Gradients at the Savannah River Site* 1995 Georgia Water Resources Conference, Athens, Georgia, p. 224-228.
- Kitchens, S and TC Rasmussen, 1995, *Hydraulic Evidence for Vertical Flow from Okefenokee Swamp to the Underlying Floridan Aquifer in Southeast Georgia* 1995 Georgia Water Resources Conference, Athens, Georgia, p. 156-157.

- Nicholson, TJ, R Hills, M Rockhold, G Wittmeyer, TC Rasmussen, A. Guzman-Guzman, 1994, *Partially-Saturated Porous and Fractured Media Test Cases: Las Cruces and Apache Leap Tuff Studies* IN-TRAVAL Conference, Paris, France.
- Rasmussen, TC, 1993, *Field vs. Laboratory Permeability Estimates* 1993 Georgia Water Resources Conference, Athens, GA, p. 185-188.
- Rasmussen, TC, TJ Nicholson, and DD Evans, 1990, *Validation Efforts in Modeling Flow and Transport Through Partially Saturated Fractured Rock - The Apache Leap Tuff Studies* GEOVAL 90: International Symposium on Validation of Geosphere Transport Models, Stockholm, Sweden.
- Rasmussen, TC and DD Evans, 1990, *Fractured Apache Leap Tuff: Interstitial, Hydraulic, Pneumatic, and Thermal Properties* Waste Management 90, Tucson, AZ.
- Sully, MJ and TC Rasmussen, 1989, *Microscopic Capillary Length Scales and Pore Size Distributions for Tuffaceous Rocks* ASA-CSSA-SSSA Annual Meetings, Las Vegas, NV.
- Rasmussen, TC, JH Blanford, and PJ Sheets, 1989, *Characterization of Unsaturated Fractured Tuff at the Apache Leap Tuff Site: Comparison of Laboratory/Field, Matrix/Fracture and Water/Air Flow Data* FOCUS '89: Nuclear Waste Isolation in the Unsaturated Zone, Las Vegas, NV.
- Evans, DD and TC Rasmussen, 1988, *Unsaturated Fractured Rock Flow Model Calibration for a Tuff Site* International Conference and Workshop on the Validation of Flow and Transport Models for the Unsaturated Zone, Ruidoso, NM.
- Rasmussen, TC, Guo Z, and DD Evans, 1988, *Unsaturated Hydraulic Properties of the Apache Leap Tuff Matrix* International Conference and Workshop on the Validation of Flow and Transport Models for the Unsaturated Zone, Ruidoso, NM.
- Tidwell, VC, TC Rasmussen and DD Evans, 1988, *Saturated Hydraulic Conductivity Estimates for Fractured Rock in the Unsaturated Zone* International Conference and Workshop on the Validation of Flow and Transport Models for the Unsaturated Zone, Ruidoso, NM, May 1988.
- Rasmussen, TC, 1987, *Meso-Scale Estimates of Unsaturated Fractured Rock Fluid Flow Parameters* in Farmer, I.W., J.J.K. Daemen, C.S. Desai, C.E. Glass and SP Neuman (eds), *Rock Mechanics: Proceedings of the 28th US Symposium*, Tucson, AZ, A.A. Balkema, June 1987, p. 525-532.
- Evans, DD, TC Rasmussen and TJ Nicholson, 1987, *Fracture System Characterization for Unsaturated Rock* Waste Management '87, 2:209-212.
- Rasmussen, TC, CH Huang and DD Evans, 1985, *Numerical Experiments on Artificially-Generated, Three-Dimensional Fracture Networks: An Examination of Scale and Aggregation Effects* Hydrogeology of Rocks of Low Permeability, 17:676-682.
- Rasmussen, TC, 1985, *Improved Site Characterization Using Multiple Approaches* Symposium on Groundwater Flow and Transport Modeling For Performance Assessment of Deep Geologic Disposal of Radioactive Waste: A Critical Evaluation of the State of the Art, Albuquerque, NM, NUREG/CP-0079.
- Woodard, GC and TC Rasmussen, 1984, *Models of Indoor and Outdoor Water Demand for Single Family Residences in Tucson, Arizona* Hydrology and Water Resources in Arizona and the Southwest, Proceedings of the American Association for the Advancement of Science (AAAS) and American Water Resources Association - Arizona Chapter, 13:67-74.
- Woodard, GC and TC Rasmussen, 1984, *Residential Water Demand: A Micro Analysis Using Survey Data* Hydrology and Water Resources in Arizona and the Southwest, Proceedings of the AAAS and AWRA - Arizona Chapter, 14:9-20.

- Rasmussen, TC and FC Tracy, 1981, *Use of the Universal Soil Loss Equation in the Tropics* Hydrology and Water Resources in Arizona and the Southwest, Proceedings of the AAAS and AWRA - Arizona Chapter, 11:47-53.

Grants Received

- o Risk-Informed, Performance-Based Evaluation of Local and Regional Surface and Groundwater Hydrology using Alternative Conceptual Models (FP00023151), The Chemours Company, NA, July 1, 2021-December 31, 2022, \$110,637, Co-investigator, Credit: 33%
- o The 2021 Biennial Georgia Water Resources Conference (year 2) (FP00022837) US Department of Interior, AWD-002892-G2, March 1, 2021-August 31, 2022. \$9,681, Co-investigator, Credit: 25%
- o The 2021 Biennial Georgia Water Resources Conference (FP00019967) US Department of Interior, AWD-100844-G13, March 1, 2020-December 31, 2021, \$9,855, Co-investigator, Credit: 33%
- o *The 2019 Biennial Georgia Water Resources Conference*, 3/1/19 - 2/29/20, US Dept of Interior, \$20,000 (100%).
- o *Developing and enhancing watershed collaboration and protection emphasizing non-tradition markets and approaches* Georgia Forestry Commission, 1 Jan 2018 - 31 Aug 2019, US\$50,000, Principal investigator (100%)
- o *Water Resource Inventories and Assessments for National Wildlife Refuges within the Southeast Region*, 9/1/16 - 12/31/2018, US Fish Wildlife Service, \$110,000.
- o *Quantifying Ecological Outcomes of Hydrologic Variability*, 1/2/16 - 1/1/18, US Army Corps of Engineers, \$118,099 (20%).
- o *The 2017 Biennial Georgia Water Resources Conference*, 3/1/17 - 2/29/18, US Dept of Interior, \$20,000 (100%).
- *The 2015 Biennial Georgia Water Resources Conference*, 3/1/15 - 2/29/16, US Dept of Interior, \$20,000 (100%).
- *Groundwater Risk Assessment*, 7/1/14 - 12/31/15, US Dept of Agriculture, \$10,000.
- *Hydrologic Connectivity of Isolated Wetlands*, 8/13/12 - 8/12/15, JW Jones Ecological Research Center, \$29,146 (50%).
- *Southeast Coast Network stream flow discharge monitoring - Protocol development and analysis of existing data* U.S. Department of the Interior, \$44,790, PI (100%).
- *Evaluation and improvement of the curve number method of hydrological analysis on selected forested watersheds of Georgia* Georgia Water Resources Institute, \$13,000, Co-PI (25%).
- *Characterizing Nutrient Releases from Southeastern Piedmont Lake Sediments* 2005-2007, U.S. Geological Survey, Georgia Water Research Institute, \$54,000, Principal Investigator (100%).
- *Estimation, Removal, and Interpretation of Barometric Pressure and Earth Tide Effects in Aquifer Water Levels* U.S. Department of Energy, Sandia National Laboratories, \$33,649, Todd Rasmussen, 2006-2007.
- *Effects of Dredging on Water Quality in Southeastern Piedmont Impoundments* 2005-2006, EnviroTrade, \$35,000, Principal Investigator (100%).

- *Estimating Aquifer Properties using Sinusoidal Aquifer Test at the Waste Isolation Pilot Project* U.S. Department of Energy, Sandia National Laboratories, \$29,851, Todd Rasmussen, 2004-2005.
- *Evaluation of Sediment Best Management Practices on the Broad River* Georgia Environmental Protection Division, \$750,000, David Radcliffe, Todd Rasmussen, Jimmy Bramblett, and Mark Risse, 2002-2004
- *Effects of Best Management Practices on Water Quality* U.S. Environmental Protection Agency, \$450,000, Rhett Jackson and Todd Rasmussen, 2001-2003.
- *Single Land-Use Watersheds for Pathogen TMDLs* U.S. Department of Agriculture Special Grants Program, \$300,000, Mark Risse, Mark Bakker, Larry West, David Radcliffe, Bill Segars, and Todd Rasmussen, 2001-2004
- *Use of Pressure Transducers to Monitor Sediment Movement* U.S. Environmental Protection Agency, \$50,000, Bill Tollner, Bruce Upchurch, and Todd Rasmussen, 2000-2002.
- *Community Values and the Long-Term Ecological Integrity of Rapidly Urbanizing Watersheds* 1997, EPA/NSF Water and Watersheds Grant, \$850,000, Co-Principal Investigator (17 %), Co-Principal Investigator (17%)
- *Minimizing Investigation-Derived Waste (IDW) using Sinusoidal Aquifer Tests* 1997, U.S. Department of Energy, \$336,400, Principal Investigator
- *An Investigation of the Regulatory and Technical Suitability of Tracers for Groundwater Tracer Tests at the Savannah River Site* 1997, U.S. Department of Energy, \$81,400. Principal Investigator.
- *Hydrologic Restoration of Tate's Hell Swamp: A Comparative Watershed Analysis of Ecosystem Response and Recovery* 1995, U.S Fish and Wildlife Contract, \$176,000, Principal Investigator.
- *Lake Lanier Clean Lakes Study* U.S. Environmental Protection Agency, \$175,000, Co-Principal Investigator (10%).
- *Bedload sediment transport measurement and modeling at Wine Spring Creek watershed* 1993, Coweeta Hydrologic Laboratory, Southeast Forest Experiment Station, \$22,000, Principal Investigator.
- *An investigation of water level variations in groundwater monitoring wells at the Savannah River Site* 1993, Education, Research and Development Association of Georgia Universities, \$39,721, Principal Investigator.
- *A new, passive technique for the measurement of total suspended solids concentrations in surface water in Situ* 1993, Georgia Water Resources Research Program, \$13,000, Principal Investigator.
- *Solute transport through unsaturated fractured rock* 1989-1992, U.S. Nuclear Regulatory Commission, \$375,000, Coprincipal Investigator (33%).
- *Water resources assessment for Capitol Reef National Park* 1990-1992, U.S. National Park Service, \$32,000, Principal Investigator.
- *Subsurface removal of volatile organic compounds using forced ventilation* 1989, Institute for Crustal Studies, \$27,000, Principal Investigator.
- *Hydrologic forecast models for Oman* 1989-1991, Oman Ministry of Water Resources, \$82,000, Coprincipal Investigator (50%).
- *Water resources assessment for Ambos-Nogales* 1990-1992, Ford Foundation, \$170,000, Affiliated Investigator (10%).

- *Subsurface removal of volatile organic compounds using forced ventilation* 1987-1989, Salt River Project, \$18,000, Coprincipal Investigator (50%).
- *Development and calibration of real-time forecasting models on the Salt River* 1986, Salt River Project, \$30,000, Coprincipal Investigator (75%).
- *Statistical analyses of water level observations* 1986-1988, Rockwell International - Hanford Operations, \$135,000, Affiliated Investigator (50%).
- *Regional hydro-geochemical investigation of the San Jose River Basin in west-central New Mexico* 1980-1982, Bureau of Indian Affairs, \$75,000, Principal Investigator.
- *Computer simulation model of large-scale irrigation projects in Jedda and Jubail, Saudi Arabia* 1980-1981, U.S. Corps of Engineers, \$80,000, Affiliated Investigator (10%).
- *Watershed simulation models for rural water supply in Saudi Arabia* 1981, Funded by Agricultural Systems, Inc. of Saudi Arabia, \$8,000, Principal Investigator.
- *Estimation of stream velocities and erosion potential of reclaimed strip-mines in Montana, Colorado, and Arizona* 1980-1981, Peabody Coal Co., \$16,000, Affiliated Investigator (20%).

Editorial Board Member or Reviewer

Associate Editor

- o 2012-present, Journal of Hydrology
- 2002-2007, Hydrogeology Journal
- 1992-1995, Water Resources Research

Review of Scientific Articles in Journals

- o Water Resources Research
- o Water Resources Bulletin - Journal of the American Water Resources Assn
- o American Society of Civil Engineers - Hydraulics Division
- o Ground Water
- o Hydrologic Processes
- o Journal of Hydrology
- American Society of Agricultural Engineers
- Soil Science Society of America Journal

Professional Societies and Organizations

Membership in Professional Organizations

- o 1980-present, American Water Resources Association
- o 1981-present, American Geophysical Union, Hydrology Section
- o 1984-present, Association of Ground Water Scientists and Engineers

- o 1985-present, National Speleological Society
- o 1986-present, Soil Science Society of America
- o 1993-present, Georgia Ground Water Association
- o 1997-present, Georgia Association of Water Professionals.

Officer in Professional Organizations

- 2014-2016, Executive Committee, Consortium of Universities for the Advancement of Hydrologic Sciences, Inc.
- 2011-2016, Board of Directors, Consortium of Universities for the Advancement of Hydrologic Sciences, Inc.
- 1996-1997, President, Georgia Section, American Water Resources Association
- 1995-1996, President-Elect, Georgia Section, American Water Resources Association
- 1994-1995, Vice-President, Georgia Section, American Water Resources Association
- 1991-1992, Corporate Board Member, Arizona Hydrological Society
- 1990-1991, Vice-President, Tucson Chapter, Arizona Hydrological Society
- 1989-1990, President, Tucson Chapter, Arizona Hydrological Society
- 1981-1982, President, Student Chapter, Arizona Section, American Water Resources Association.

Professional Conferences Organized

- o 2019, Organizer, *Georgia Water Resources Conference*, April 16-17, University of Georgia, Athens.
- o 2017, Organizer, *Georgia Water Resources Conference*, April 19-20, University of Georgia, Athens.
- 2015, Organizer, *Georgia Water Resources Conference*, April 28-29, University of Georgia, Athens.
- 2013, Organizer, *Georgia Water Resources Conference*, April 10-11, University of Georgia, Athens.
- 2011, Organizer, *Georgia Water Resources Conference*, April 11-13, University of Georgia, Athens.
- 2009, Organizer, *Georgia Water Resources Conference*, April 27-29, University of Georgia, Athens.
- 2007, Organizer, *Georgia Water Resources Conference*, March 27-29, University of Georgia, Athens.
- 2007, Organizer, *American Nuclear Society Fall Meeting Session on Site Characterization, Monitoring, and Modeling Strategies for Groundwater Transport of Radionuclides at Nuclear Facilities*.
- 1997, Organizer, *1997 Georgia Ground-Water Conference* Two-day conference focusing on Georgia's Ground-Water Resources, in cooperation with Daniel B. Warnell School of Forest Resources, Georgia Section - American Water Resources Assn, Georgia Ground-Water Assn, Georgia Water and Pollution Control Assn, April 1997.
- 1997, Organizer, *Unsaturated Zone Flow and Transport in the Eastern United States* Special Session, American Geophysical Union, Spring Meeting, Baltimore MD, May 1997.
- 1997, Organizer, *Coupling Regulatory Strategies with Geosphere Transport Models* Special Session, American Geophysical Union, Spring Meeting, Baltimore MD, May 1995.

University and School Committee Assignments

- o 1993-present, Academic Advisor, University of Georgia Student Chapter, Georgia Section, American Water Resources Association
- o 1996-present, Director, Faculty of Water Resources, University of Georgia
- o 2000-present, Director, Undergraduate Certificate in Water Resources, University
- o 2013-present, Director, UGA Graduate Certificate in Water Resources. of Georgia
- o 2010-present, Member, Advisory Board, UGA Riverbasin Center.
- o 2014-present, Member, Advisory Committee, UGA Sustainability Office.
- o 2015-present, Member, Advisory Committee, UGA Watershed Initiative.
- 2001-2003, Chair, Environmental Ethics Certificate Program
- 2002-2005, Member, University Council, University of Georgia
- 2003-2005, Chair, University Libraries Committee, University of Georgia.
- 2003-2013, Member, Academy of the Environment, University of Georgia.
- 2005-2015, Chair, Ad Hoc Committee on Computers and Information Technology, Warnell School of Forestry and Natural Resources.
- 2005-2015, Member, Curriculum Committee, Warnell School of Forestry and Natural Resources.
- 2007, Member, Every Drop Counts, Drought Response Committee, University of Georgia.
- 2011-2014, Member, UGA Faculty of Engineering.
- 2016, Panel Chair, University Review Committee
- 1996-2003, Member, Environmental Ethics Certificate Program

Honors and Awards

- 2001, University of Georgia Alumni Outstanding Teaching Award
- 1996-1997, *Appreciation Award* Georgia Section, American Water Resources Association.
- 1995, Georgia State Senate, Senate Resolution 318, by Senators Gillis of the 20th, Egan of the 40th, Cagle of the 49th and others, *Recognizing and commending the members of the Georgia Erosion and Sedimentation Control Panel; and for other purposes* March 13, 1995.
- 1995, *The UCOWR Award for Education and Public Service in Water Resources* The Universities Council on Water Resources, Inc., Education and Public Service Committee, Honorable Mention, August 3, 1995.
- 1994-1996, *Certificate of Appreciation, Co-Faculty Advisor, University of Georgia Student Chapter* American Water Resources Association.
- 1994-1995, *Certificate of Appreciation for Outstanding Service* American Water Resources Association.
- 1992, Corporate Board Appreciation Award, Arizona Hydrological Society
- 1985, John and Margaret Harshbarger Award for Outstanding Student Research

Courses Taught

WASR 1020: Introduction to Water Resources

- Level: Lower Division
- Focus: Management of Water Resources
- Emphasis: An introduction to the science and policy related to managing fresh water resources. Fundamental hydrologic processes, how the United States has managed water through history, and the environmental impact of water resources management.
- Topics: The importance of water resources in both human and ecologic terms, including knowledge of: a) the uses of water resources to meet human needs; b) the role of water resources management to protect environmental systems; c) the laws and agencies that currently regulate and manage water resources; and d) the historical and modern conflicts that have arisen due to water scarcity. Also, the scientific basis for managing water resources, including knowledge related to: a) the quantification of water resources measurements, including volumes, fluxes, concentrations, and loads; b) the occurrence and movement of components of the hydrologic cycle, including precipitation, surface, and ground water; and c) the components of water quality, including the physical, chemical, and biological aspects.

FANR 3060: Soils and Hydrology

- Level: Upper Division
- Focus: Understanding and management of natural resources from a landscape perspective.
- Emphasis: Landscape management of soil and water resources for sustainability, productivity and environmental quality.
- Topics: Soil formation and morphology, physical and chemical properties, soil-water interactions, hydrologic processes and water balance in the landscape, soil and water quality, watershed management.

WASR 4500/6500: Quantitative Methods in Hydrology

- Level: Upper Division and Graduate
- Focus: Understanding urban hydrology from a design perspective.
- Emphasis: Quantitative methods used in conjunction with field and laboratory data to identify and control flow and transport dynamics in hydrologic systems.
- Topics: Advanced analysis of hydrologic processes to provide a theoretical understanding of precipitation, evapotranspiration, streamflow, groundwater occurrence and movement, and soil zone flow and transport.

WASR 4660L/6660L: Field Methods in Hydrology

- Level: Upper Division and Graduate
- Focus: Application of techniques related to field monitoring and experimental design.
- Topics: Field data acquisition methods to hydrologic systems are used to determine precipitation quantity and quality, evapotranspiration, streamflow, groundwater occurrence and movement, and soil zone transport processes. Physical and chemical measurements are coupled to determine flow paths, mass balances, and the environmental fate of solutes.

WASR 4700/6700: Hydrology, Geology, and Soils of Georgia

- Level: Upper Division and Graduate
- Focus: Understanding the physical environment of Georgia by examining the diverse geology, soils, and surface and subsurface hydrologic processes within the state.
- Emphasis: To explore the influence of human activities on the physical environment.
- Topics: We travel to all of Georgia's physiographic areas, visiting mines, farms, forests, wetlands, rivers, lakes, and estuaries.

WASR 8730: Aquifer Mechanics

- Level: Graduate
- Focus: Mechanics of flow through subsurface media
- Emphasis: Management of groundwater for water supply and waste isolation
- Topics: Flow in confined, water table, and leaky aquifers, delayed yield, partially penetrating wells, boundaries, multiple wells, dual porosity media, and fractured rock; use of aquifer tests to estimate aquifer hydraulic properties.

WASR 8740: Hydrologic Flow and Transport Modeling

- Level: Graduate
- Focus: Modeling of flow through subsurface media
- Emphasis: Application to problems commonly found in the environmental field
- Topics: Finite difference, finite element, and boundary integral methods. Analytic techniques include Laplace-, z -, and Fourier-transform, complex variable, and separation of variables methods., including capture zones, particle-tracking, advection-dispersion, and non-aqueous phase liquids.

Graduate Students

- Alfonso, Amber, 2006, *Creation of geodatabase and geoprocessing methodologies for geologic and hydrologic appraisals of agricultural water withdrawal permits*, MS, Crop and Soil Sciences, committee member.
- Andrews, Chad Allen, 2014, *Surface water quality assessment of a proposed southwest Georgia lake site*, MS, Engineering, committee member.
- Avant, Brian Keith, 2013, *Comparison of input precipitation sources in streamflow forecasting*, MS, Forestry and Natural Resources, major professor.
- Belk, Elizabeth Leslie, 2002, *Modeling the effects of partial throughfall exclusion on the distribution of soil water in a Brazilian Oxisol under tropical moist forest*, MS, Forestry and Natural Resources, committee member.
- Bhattacharjee, Natalia Valeryevna, 2017, *Assessing water body ecological indicators using time series analysis and physics-based modeling approaches*, PhD, Engineering, committee member.
- Bruns, Alan Craig, 2000, *Investigation of ground water level fluctuations at the Savannah River Site*, MS, Forestry and Natural Resources, committee member.
- Buettner, Shea Westin, 2012, *Nanoparticle-facilitated transport of uranium and nickel in contaminated sediments near a nuclear weapons processing facility*, MS, Crop and Soil Sciences, committee member.

- Burkingstock, Bryan K, 1997, *Predicting the fate of Imidacloprid in a coastal plain environment*, MS, Forestry and Natural Resources, major professor.
- Cahalan, Matthew David, 2015, *Sinkhole formation dynamics and geostatistical-based prediction analysis in a mantled karst terrain*, MS, Geology, committee member.
- Calhoun, Daniel Lawrence, 2000, *In situ monitoring of suspended sediment: Development of a densimetric instrument*, MS, Forestry and Natural Resources, major professor.
- Cameron, Lauren, 2015, MFR, Forestry and Natural Resources, major professor.
- Cathey, Anna McDaiel, 2005, *The calibration, validation, and sensitivity analysis of DoSag: An in-stream dissolved oxygen model*, MS, Engineering, committee member.
- Ceballos, Elena Louise, 2007, *Effects of internal loading on algal biomass in Lake Allatoona, a southeastern piedmont impoundment*, MS, Forestry and Natural Resources, major professor.
- Coats, William Alan, 2016, *The effects of gaps in riparian forest cover on abiotic stream conditions in the southern Appalachians*, MS, Forestry and Natural Resources, committee member.
- Conn, Caitlin C, current, PhD, Ecology, committee member
- Cox, Demetrius, 2003, *Hydrologic transport and fate of Escherichia coli through a southeastern Piedmont watershed*, MS, Forestry and Natural Resources, major professor.
- Crawford, Leslie Ann, 1994, *Water level and gradient responses to barometric loading at the Savannah River Site*, MS, Geology, major professor.
- Creviston, Melissa, current, Geology, committee member
- Decker, Christopher Dylan, 2002, *The effects of sand dredging on the aquatic macroinvertebrate community in two urban piedmont streams*, MS, Forestry and Natural Resources, committee member.
- Deemy, James Burton, 2018, *Hydrology and water quality of isolated wetlands embedded in a longleaf-pine/wiregrass forest: Influence of connectivity to episodic flows*, PhD, Forestry and Natural Resources, co-major professor.
- Demir, Ibrahim, 2010, *Integrated Web-based data management, analysis and visualization: towards an adaptive watershed information system*, PhD, Forestry and Natural Resources, committee member.
- Duncan, Owen, 2011, *Comparison of compartmentalized dynamic model, HYDRUS, and curve number methods for estimating drainage from windrow composting pads*, MS, Engineering, committee member.
- Durham, Michael, current, PhD, Geology, committee member.
- Durkee, Joshua David, 2008, *Assessing the role of warm-season mesoscale convective complexes in subtropical South American precipitation variability*, PhD, Geography, committee member.
- Fitzpatrick, Stephan David, 2011, *Ground-penetrating radar investigation of preferential flowpaths on a hillslope*, MS, Geology, committee member.
- Flaishans, Jonathan Mark, 2010, *Phosphorus adsorption-desorption from soils and sediments with a photosynthetically elevated PH*, MS, Crop and Soil Sciences, committee member
- Floyd, Justin, 2011, MFR, Forestry and Natural Resources, major advisor.
- Fraley, Thear Kirk, 2015, *A variable-density model to determine possible sources of elevated total dissolved solids in Suwannee River Basin springs, north-central Florida*, MS, Ecology, committee member

- Gibson, Catherine Ann, 2005, *Alterations of ecosystem processes as a result of anthropogenic modifications to streams and their catchments*, PhD, Ecology, committee member
- Greco III, James Louis, 2008, *Controls and occurrence of interflow over a restrictive argillic horizon in a low gradient hillslope*, MS, Forestry and Natural Resources, committee member.
- Haborak, Kevin G, 1999, *Analytical solutions to flow in aquifers during sinusoidal aquifer pumping tests*, MS, Geology, major professor.
- Herbert, Susan, 2003, *The impact of lawn care practices on suburban streams in metropolitan Atlanta, Georgia*, MS, Ecology, committee member.
- Hester, Nathan Andrew, 2012, *Effects of system size on the sustainability of water supply infrastructure*, MS, Engineering, committee member.
- Hoffman, Sara Jill, 2004, *Reclaiming urban streams: A study of the Flat Creek corridor in Jackson, Wyoming*, MLA, Environment and Design, committee member.
- Holmbeck-Pelham, Skelly Ann, 1998, *Regulatory and technical suitability of groundwater tracers for the Savannah River Site, South Carolina*, MS, Forestry and Natural Resources, major professor.
- Hutcheson, Holly, 2019, MS, Geology, committee member
- Ignatius, Amber Rose, 2015, *Cumulative effects of small reservoir construction: land cover change, evaporation, and water quality in the Georgia Piedmont, USA*, PhD, Geography, committee member.
- Jiang Feng, 2007, *Towards a sustainable framework: modeling, optimization and evaluation of nutrient removal and recovery strategies*, PhD, Forestry and Natural Resources, committee member.
- Kannan, Ashwini, 2019, MS, Engineering, committee member
- Katz, Rachel Allison, 2009, *Abundance and survival of common benthic biota in a river affected by water diversion during an historic drought*, MS, Ecology, committee member.
- Kraseski, Kristin Ann, 2015, *Damping of stream temperature time series by hyporheic exchange*, PhD, Forestry and Natural Resources, committee member.
- Lawson, Joshua Lee, 2003, *The importance of geologic setting in developing groundwater from fractured, metamorphic rock aquifers in the vicinity of the Gwinnett County airport and Collins Hill Road, Gwinnett County, Georgia*, MS, Geology, committee member.
- Ledoux, Jonathan Gregory, 2013, *Drivers of groundwater flow at a back barrier island-marsh transect in coastal Georgia*, MS, Marine Sciences, committee member.
- Lewis, Alan J, 1996, *A new, passive technique for the in situ measurement of total suspended solids concentration in surface water*, MS, Forestry and Natural Resources, major professor.
- Li Guoyuan, 2006, *Stream temperature and dissolved oxygen modeling in the Lower Flint River Basin, GA*, PhD, Forestry and Natural Resources, committee member.
- Liu Rong, 2000, *Monitoring, modeling, and control of nutrient removal in the activated sludge process*, PhD, Forestry and Natural Resources, committee member.
- Long, Sarah Lynsey, 2011, *Variation of stream temperature among mesoscale habitats in the upper Little Tennessee River basin*, MS, Forestry and Natural Resources, committee member.
- Lord, Cassidy H, current, MS, Forestry and Natural Resources, major professor

- Lundy, Don Anthony, 2014, *An investigation of the relationship between lateral spreading and mass depletion of an LNAPL body in contact with groundwater at the Bemidji, MN crude oil release site*, PhD, Geology, committee member.
- Martin, Joel Alexander, 2016, *Development of a tropical geographic unit hydrograph in the Luquillo Mountains of eastern Puerto Rico: A novel approach*, MS, Engineering, committee member.
- Mason-Deese, William French, 2013, *Modeling stormflow in ungauged basins: using digital filters, Li-DAR, and the geomorphological instantaneous unit hydrograph*, MS, Geology, committee member.
- Mathes, Silas Eugene, 2012, *Geographic Information Systems (GIS) mapping of groundwater contamination at the Savannah River Site (SRS)*, MS, Forestry and Natural Resources, major professor
- Mayhew, Mary Callie, 2009, *Trophic state and metabolism in a Southeastern Piedmont reservoir*, PhD, Forestry and Natural Resources, major professor.
- McKinley, Robert Ashley, 2011, *Investigating spatial variations in sediment origin using a streamlined sediment fingerprinting approach in a southern Piedmont watershed*, MS, Crop and Soil Sciences, committee member.
- Miller, Todd, 2015, MFR, Forestry and Natural Resources, major professor.
- Mitchell, Stephen Douglas, 2006, *Alternative stormwater management in a new urbanist community*, MLA, Environment and Design, committee member.
- Moraes, Flávia Dias de Souza, current, PhD, Geography, committee member
- Mowrer, Jason Erik, 2014, *Nitrogen released from poultry litter: Analysis and prediction*, PhD, Crop and Soil Sciences, committee member.
- Mukundan, Rajith, 2009, *Monitoring, modeling, and fingerprinting suspended sediment in a southern Piedmont stream*, PhD, Crop and Soil Sciences, committee member.
- Osidele, Olufemi Olusola, 2001, *Reachable futures, structural change, and the practical credibility of environmental simulation models*, PhD, Forestry and Natural Resources, committee member.
- Parker, Amanda Kaye, 2004, *The role of iron-rich sediment in the biogeochemical cycling of phosphorus in Georgia Piedmont impoundments*, PhD, Forestry and Natural Resources, committee member.
- Price, Brian Matthew, 2010, *Recharge and baseflow of a first order stream in the Piedmont*, MS, Geology, committee member.
- Price, Kate, 2009, *Effects of land use and geomorphology on stream baseflows in the southern Blue Ridge Mountains*, PhD, Forestry and Natural Resources, committee member.
- Prowell, Eric Schommer, 2006, *An analysis of stormwater retention and detention of modular green roof blocks*, MS, Forestry and Natural Resources, major professor.
- Radgman, John, 1999, MFR, Forestry and Natural Resources, major advisor.
- Riley, Jeffrey William, 2009, *Assessing morphological adjustments of stream channels in the Piedmont region of Georgia, USA*, MS, Forestry and Natural Resources, committee member.
- Rivenbark, Byron Lane, 2002, *Headwater stream management issues in Georgia : streamside management zone effectiveness and small trout stream hydrologic characterization*, MS, Forestry and Natural Resources, committee member.

- Rodriguez, Eduardo Martinelli, 2010, *Estimating the value of ecosystem services provided by the Red Hills region of southwest Georgia and north Florida: A GIS approach*, MS, Ecology, committee member.
- Rodriguez Granados, Rocio, 2016, *La realidad de la atribución a escala local: Cambio climático en el Amazonas Colombiano*, MA, Anthropology, committee member.
- Rodriguez Granados, Rocio, 2016, *Indigenous perceptions of environmental change: Local realities and coping strategies in the Colombian Amazon*, PhD, Forestry and Natural Resources, committee member.
- Romeis, James Joshua, 2008, *Phosphorus loading in agricultural and forested headwater streams in the upper Etowah River basin, Georgia*, PhD, Forestry and Natural Resources, committee member.
- Rotz, Rachel Rose, 2016, *Investigating the effect of recharge on inland freshwater lens formation and degradation in Northern Kuwait*, MS, Geology, committee member.
- Rotz, Rachel current, PhD, Geology, committee member
- Saintill, Thalika Ania Perpétue, 2018, *Water quality assessment of streams in the trail creek watershed, Athens, Georgia*, MS, Crop and Soil Sciences, committee member
- Schroeder, Amanda Jean, 2015, *A spatio-temporal assessment of urban flooding within the United States*, PhD, Geography, committee member.
- Seigerman, Cydney current, Phd, Anthropology, committee member
- Seyoum, Wondwosen Mekonnen, 2016, *Satellite remote sensing and modeling of the hydrosphere for understanding terrestrial water cycle dynamics at different scales*, PhD, Geology committee member.
- Sherrell, RD, 2005, MFR, Forestry and Natural Resources, major advisor.
- Shi Feng, 2008, *Watershed management and water quality trading: A systematic framework for assessing uncertainty*, PhD, Forestry and Natural Resources, committee member.
- Shirley, Aubrey Christian, 2011, *Estimating saturated hydraulic conductivity for southeastern soils using decision tree analysis*, MS, Crop and Soil Sciences, committee member.
- Shivers, Stephen Derrill, 2010, *The impact of submerged aquatic vegetation on nutrient dynamics and bacterial metabolism in a southeastern reservoir*, MS, Ecology, committee member.
- Simpson, Tony Greg, 2011, *Geography versus sector based approaches to reducing water resource usage*, MS, Agriculture and Applied Economics, committee member.
- Slaughter, Julia Beth, 2013, *Factors influencing groundwater and surface water hydrogeochemistry with a special emphasis on the importance of sediment geology*, MS, Marine Sciences, committee member.
- Ssegane, Herbert, 2011, *In search of causal watershed variables for watershed classification and daily streamflow prediction in ungauged watersheds*, PhD, Engineering, committee member.
- Summer Jr., William Barron, 2006, *Effects of forestry activities on hydrology and sediment transport of coastal plain headwater streams*, 2006, MS, Forestry and Natural Resources, committee member.
- Tedela, Negussie Hailu, 2009, *Rainfall-runoff relationships for small, mountainous, forested watersheds in the eastern United States*, PhD, Forestry and Natural Resources, co-major professor.
- Terrell, Scott Benson, 2008, *Hydrologic and sediment transport response to forest harvest and site preparation in headwater streams: South Georgia, USA*, MS, Forestry and Natural Resources, committee member.

- Thomas, Matthew, 2019, MS, Geology, committee member
- Toll, Nathaniel James, 2005, *Barometric fluctuation removal in water level records and solutions to flow in aquifers during sinusoidal aquifer pumping tests*, MS, Forestry and Natural Resources, major professor.
- Tuttle, Elizabeth, current, MS, Forestry and Natural Resources, committee member
- Tweedell, Amanda Joanne, 2013, *The effect of drought on benzene contaminated underground storage tank sites in Georgia*, MS, Geology, committee member.
- Vallotton, Bobbie Ann, 2001, *Evaluation of the EPA BASINS model for use in Georgia: Technical and policy issues in scale, perspective, and boundary*, MS, Forestry and Natural Resources, major professor.
- Velazquez Santiago, Estrella, 2008, *Rain gardens in suburbia: low-impact development retrofitting in Georgia*, MLA, Environment and Design, committee member.
- Vining, Justin Arthur, 2015, *Interception and soil evaporation within loblolly pine and American sweet-gum stands*, MS, Forestry and Natural Resources, committee member.
- Waller, Jordia Phillips, 2004, *Analysis of Georgi's regulation of NPDES storm water discharges associated with construction activities: policies and practices*, MS, Forestry and Natural Resources, major professor.
- Ward, Jason M, 2001, *Sediment trapping within streamside management zones on two clearcut sites in the Georgia piedmont*, MS, Forestry and Natural Resources, committee member
- Wright, Wendy Kay, 2014, *Nutrient conditions and numeric nutrient criteria in southeastern United States estuaries*, MS, Forestry and Natural Resources, major professor.
- Yaun, Alexandra McKenzie, 2018, *Green amidst the gray: green roofs for underutilized garages*, MLA, Environment and Design, committee member
- Younger, Seth, current, PhD, Forestry and Natural Resources, committee member
- Zeng Wei, 2000, *A model for understanding and managing the impacts of sediment behavior on river water quality*, PhD, Forestry and Natural Resources, committee member.
- Zeng Xiao-Qing, 2001, *Water quality modeling of southeastern lake management: a case study of Lake Lanier, Georgia*, PhD, Forestry and Natural Resources, major professor.