

Biographical Sketch Jonathan M. Duncan

Ecosystem Science & Management
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(a) Professional Preparation

SUNY Geneseo	Biology, Env. Sci & Geog Minors	B.S., 2000
SUNY Environmental Science & Forestry	Env. Resource Engineering	M.S., 2004
Syracuse University, Maxwell School	Public Administration	M.P.A., 2004
University of North Carolina, Chapel Hill	Hydrology & Biogeochemistry	Ph.D., 2014

(b) Appointments

2017: *Assistant Professor of Hydrology*, Department of Ecosystem Science and Management, Pennsylvania State University
2015: *Research Assistant Professor*: Institute for the Environment, UNC-Chapel Hill
2014: *Postdoctoral Research Associate*: Institute for the Environment, UNC-Chapel Hill
2008: *Research Assistant*, UNC-Chapel Hill, Department of Geography, Chapel Hill, NC
2003: *Project Manager*: CUAHSI, Washington, DC

(c) Products

(i) Products most closely related

Burns, D. A., Pellerin, B. A., Miller, M. P., Capel, P. D., Tesoriero, A. J., & **Duncan, J. M.** (2019). Monitoring the riverine pulse: Applying high-frequency nitrate data to advance integrative understanding of biogeochemical and hydrological processes. *Wiley Interdisciplinary Reviews: Water*, e1348.

Duncan, JM, Welty, C., Kemper, J, Band, LE, and Groffman, PM. (2017). Dynamics of Nitrate-Concentration Discharge Patterns in an Urban Watershed. *Water Resources Research*, doi: 10.1002/2017WR020500

Duncan, JM, Band, LE, and Groffman, PM. (2017). Variable Nitrate Concentration-Discharge Relationships in a Forested Watershed. *Hydrological Processes*, doi: [10.1002/hyp.11136](https://doi.org/10.1002/hyp.11136).

Duncan, JM, Band, LE, Groffman, PM, and Bernhardt, ES (2015), Mechanisms driving the seasonality of catchment scale nitrate export: Evidence for riparian ecohydrologic controls, *Water Resources Research*, 51, 3982–3997, doi:[10.1002/2015WR016937](https://doi.org/10.1002/2015WR016937).

Band, L, McDonnell, JJ, **Duncan, JM**, Barros, A, Bejan, A, Burt, T, Dietrich, WE, Emanuel, RE, Hwang, T, Katul, G, Kim, Y, McGlynn, B, Miles, B, Porporato, A, Scaife, C, and Troch, P.A. (2014), Ecohydrological Flow Networks in the Subsurface. *Ecohydrology*, DOI: 10.1002/eco.1525

(d) Synergistic Activities

- Pennsylvania Forested Riparian Buffer Advisory Committee 2017-current
- American Geophysical Union Hydrology Section Subcommittee on Water Quality 2013-Present
- State of North Carolina Nutrient Sensitive waters Advisory Board (NSAB), Alternate Member. 2014-2017
- Cross-site synthesis of nitrogen cycling and export- Lead PI, LTER Network Office, 2012