

Patrick Center for Environmental Research
Peer-Reviewed Publications
(1933-2017)

Two Thousand Seventeen ~2017 (11)

Baranov, V.*; Milošević, D., **Kurz, M.J.**, Zarnetske, J.P., Sabater, F., Marti, E., Robertson, A., Brandt, T.*, Sorolla, A., Lewandowski, J., and Krause, S. 2017. Helophyte impacts on the response of hyporheic invertebrate communities to inundation events in intermittent streams. *Ecohydrology* DOI: 10.1002/eco.1857; 1-8

Buchanan, G.A., Belton, T.J., and **Paudel, B.** 2017. The Comprehensive Barnegat Bay Research Program. In: Buchanan, G.A.; Belton, T.J., and **Paudel, B.** (eds.), A comprehensive assessment of Barnegat Bay-Little Egg Harbor, New Jersey. *Journal of Coastal Research SI78*: 1-6.

Kurz M.J., Drummond J.D., Marti E., Zarnetske J.P., Lee-Cullin J.*, Klaar M.J., Folegot S.*, Keller T., Ward A.S., Fleckenstein J.H., Datry T., Hannah D.M., & Krause S. 2017. Impacts of water level on metabolism and transient storage in vegetated lowland rivers - insights from a mesocosm study. *J. Geophys. Res. Biogeosci* 122(3): 628-644.

Rowell, H.C., J.A. Bloomfield, **D.F. Charles**, C.T. Driscoll. 2017. Pairing paleolimnological inference models with mechanistic water column models enhances assessment of lake water quality. *Journal of Paleolimnology* 58(2):119–133

Desianti,N. M. Potapova, M. Enache, T. Belton, **D.J. Velinsky, R. Thomas, and J. Mead.** 2017. Sediment diatoms as environmental indicators in New Jersey coastal lagoons. *Journal of Coastal Research SI78*: 127-140.

Hajek, A. E., Tobin, P. C., **Kroll, S. A.**, & Long, S. J. 2017. Symbionts mediate oviposition behaviour in invasive and native woodwasps. *Agricultural and Forest Entomology*. doi.org/10.1111/afe.12276.

Paudel, B., N. Weston, L. Sutter, J O'Connor, and **D.J. Velinsky.** 2017. Phosphorus dynamics in the water column and sediments of Barnegat Bay, New Jersey. *Journal of Coastal Research SI78*: 60-69.

Ren, L., T.J. Belton, R. Schuster and M. Enache. 2017. Phytoplankton index of biotic integrity and reference communities for Barnegat Bay-Little Egg Harbor, New Jersey. A Pilot Study. *Journal of Coastal Research SI78*: 89-105.

Velinsky, D.J., B. Paudel, T.J. Belton and C.K. Sommerfield. 2017. Tidal marsh record of nutrient loadings in Barnegat bay, New Jersey. *Journal of Coastal Research SI78*: 79-88.

Note: Publication list from 1933 to 1995 is not complete, under construction.

Velinsky, D.J., B. Paudel, T, Quirk, M. Piehler, and A. Smyth. 2017. Ecosystem services of tidal wetlands in Barnegat Bay: A study to understand nitrogen removal. *Journal of Coastal Research* SI78: 79-88.

Watson, E.B., & Hinojosa Corona, A. 2017. Assessment of Blue Carbon Storage by Baja California (Mexico) Tidal Wetlands and Evidence for Wetland Stability in the Face of Anthropogenic and Climatic Impacts. *Sensors* 18(1), 32

Two Thousand Sixteen~2016 (7)

Ashley, J.T.F, R. Soroka, Y. Cintron, A. Sarno, **L. Zaoudeh, D. J. Velinsky** and J. Baker. 2016. Can polychlorinated biphenyls be removed from Chesapeake Bay by a commercial fishery? *Integrated Environmental Assessment and Management*, 2(12); 397–406.

Gray, A.B., G.B. Pasternack, **E.B. Watson,** and M. A. Goñi. 2016. Conversion to drip irrigation agriculture may offset historic anthropogenic and wildfire contributions to sediment production. *Science of the Total Environment* 556: 219-230.

Hausmann, S., **D.F. Charles,** J. Gerritsen, and T.J. Belton. 2016. A diatom-based condition gradient (BCG) approach for assessing impairment and developing nutrient criteria for streams. *Science of the Total Environment* 562: 914-927.

Khadka M.B., Martin J.B. & **Kurz M.J.** 2016. Synoptic estimates of diffuse groundwater seepage to a spring-fed karst river at high spatial resolution using an automated radon measurement technique. *Journal of Hydrology* 544: 86-96

Nyphus. R., **Velinsky, D.J.** and others. 2016. Environmental Deans and Directors Call for NSF Climate Funding. *Science*. *Science* 352: 755-756.

Rowell, H.C., M.D. Enache, R. Quinlan, A.J. Smith, J.A. Bloomfield, **D.F. Charles,** and S.W. Effler. 2016. Quantitative paleolimnological inference models applied to a high-resolution biostratigraphic study of lake degradation and recovery, Onondaga Lake, New York (USA). *Journal of Paleolimnology* 55(3): 241-258

Watson, E.B., K. Szura, C. Wigand, K.B. Raposa, K. Blount, and M. Cencer. 2016. Sea level rise, drought, and the decline of *Spartina patens* in New England coastal marshes. *Biological Conservation* 196: 173-181.

Two Thousand Fifteen~2015 (7)

Gray, A.B., G. B. Pasternack, **E.B. Watson**, J. A. Warrick, and M. A. Goñi. 2015. Effects of antecedent hydrologic conditions, time dependence, and climate cycles on the suspended sediment load of the Salinas River, California. *Journal of Hydrology* 525: 632-649.

Paudel, B., T. Belton, H. Pang and **D.J. Velinsky**. 2015 Spatial variability of estuarine environmental drivers and response by phytoplankton: A model based approach. *Ecological Informatics* 34 (2016) 1–12.

Paudel, B., P.A. Montagna and L. Adams 2015. Variations in the release of silicate and orthophosphate along a salinity gradient: Do sediment composition and physical forcing have roles? *Estuarine, Coastal, and Shelf Science* 157: 42-50.

Turner, E. L., **B. Paudel**, P. A. Montagna. 2015. Baseline nutrient dynamics in shallow well mixed coastal lagoon with seasonal harmful algal blooms and hypoxia formation. *Marine Pollution Bulletin* 96(1-2): 456-462.

Velinsky, D.J., H. Holland, and F.N Scatena. 2015. 2013 Benjamin Franklin Medal in Earth and Environmental Science presented to Robert Arbuckle Berner. *Journal of the Franklin Institute* 352(7): 2591-2595.

Watson, E. B., C. Wigand, M. Cencer, and K. Blount. 2015. Inundation and precipitation effects on growth and flowering of the high marsh species *Juncus gerardii*. *Aquatic Botany* 121 (2015): 52-56.

Watson, E.B., H.M. Andrews, A. Fischer, M. Cencer, L. Coiro, S. Kelley, and C. Wigand. 2015. Growth and photosynthesis responses of two co-occurring marsh grasses to inundation and varied nutrients. *Botany* 93: 671-683.

Two Thousand Twelve~2014 (7)

Flynn C., Popp J., **Hausmann S.** and Whisenhunt J. (2014). Gender Differences in Consumption and Perception of Local Produce among High School Students. *North American Colleges & Teacher of Agriculture*. 58 (4): 317-323.

Guyard H., Francus P., St-Onge G., **Hausmann S.** and Pientiz R. (2014). Micromorphological characterization of subglacial and subsequent deglacial sediments from the Pingualuit Crater Lake (Ungava, Canada), *Canadian Journal of Earth Sciences*, 51: 1084 – 1096.

Mascovia, D., **J.V. Mead**, and R. Dilworth III. 2014. Can Sustainability Plans Make Sustainable Cities? The Ecological Footprint Implications of Renewable Energy within Philadelphia's Greenworks Plan. *Journal of Sustainability: Science, Practice, and Policy*.

Note: Publication list from 1933 to 1995 is not complete, under construction.

Mead, J.V. 2014. The fundamental conflict between economic growth and wildlife conservation and its implications for a post peak-oil future. In “*Peak Oil, Economic Growth, and Wildlife Conservation*”. J. Edward Gates and Brian Czech, editors.

Rowell, H.C, R.F. Bopp, F. Peng, **D.J. Velinsky**, and J.A. Bloomfield. 2014. Annually Laminated Sediments in Onondaga Lake, NY: high resolution stratigraphy for interpreting lake degradation and recovery. *Journal of Paleolimnology* 53: 107-121 (DOI 10.1007/s10933-014-9811-5)

Weston, N.B, S.C. Neubauer, **D.J. Velinsky** and M.A. Vile. 2014. Net Ecosystem Carbon Exchange and the Greenhouse Gas Balance of Tidal Marshes along an Estuarine Salinity Gradient. *Biogeochemistry*: 120: 163-189.

Winston B., **Hausmann S.**, Scott T.J., Morgan R. 2014. The influence of rainfall on taste and odor production in a South Central U.S. Reservoir. *Freshwater Sciences*: 33 (3): 755-764.

Two Thousand Twelve~2013 (10)

Ashley, J.T.F, J.S. Ward, C.S. Anderson, M.W. Schafer, L. **Zaoudeh**, **R.J. Horwitz** and **D.J Velinsky** 2013. Children’s daily exposure to polychlorinated biphenyls from dietary supplements containing fish oils. *Food Additives & Contaminants: Part A* 30(3): 50-514.

Bedison, J., F.N. Scatena, **J.V. Mead**, R. Birdsey, and A. Johnson. 2013. Influences on the spatial pattern of soil carbon and nitrogen in forested and non-forested riparian zones in the Atlantic Coastal Plain of the Delaware River Basin. *J. Forest Ecology and Management* 302:200-209.

Enache, M.D., Potapova, M., Sheibley, R. & Moran, P. 2013. Three new *Psammithidium* species from lakes of Olympic and Cascade Mountains in Washington State, USA. *Phytotaxa* 127(1): 49-57.

Elsey-Quirk, T., A. Smyth, M. Piehler, **J. Mead** and **D.J. Velinsky** 2013. Exchange of nitrogen through an urban tidal freshwater wetland in Philadelphia, PA. *Jour. Environ. Qual.* 42: 1-12.

Herlihy, A.T., N.C. Kamman, J.C. Sifneos, **D.F. Charles**, M.D. Enache, and R.J. Stevenson. 2013. Using multiple approaches to develop nutrient criteria for lakes in the conterminous USA. *Freshwater Science* 32: 367-384

Ismail, N.S., **D.J. Velinsky**, **J.T.F. Ashley** and R.W. Sanders. 2013. Chorioallantoic membrane as a nonlethal sampling method for polychlorinated biphenyls analysis in the northern diamondback terrapin (*Malaclemys terrapin terrapin*). *Chemistry and Ecology* 29(5): 391-4023.

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Kroll, S.A., E.E. Morris, S.J. Long, A.E. Hajek, 2013. Parasitism of *Sirex noctilio* by non-sterilizing *Deladenus siricidicola* in northeastern North America. *Biological Control* 67: 203-211.

Luoto T. P. , Salonen V.-P. , Larocque-Tobler I., Pienitz R., **Hausmann S.** , Guyard H. and St-Onge G. (2013). Pro- and postglacial invertebrate communities of Pingualuit Crater Lake, Nunavik (Canada), and their paleoenvironmental implications. *Freshwater Science*, 32(3):951-963.

Pearson, S.H., S.S. Kilham, **D.J. Velinsky**, J.R. Spotila, and H.W. Avery. 2013 Stable isotopes of C and N reveal habitat dependent dietary overlap between native and introduced turtles *Pseudemys rubriventris* and *Trachemys scripta*. *PLOS One* 8(5): e62891 (doi:10.1371/journal.pone.0062891)

Smith, A.J., **R.L. Thomas**, J.K. Nolan, **D.J. Velinsky**, S. Klein, and B.T. Duffy. 2013. Regional nutrient thresholds in wadeable streams of New York State protective of aquatic life. *Ecol. Ind.* 29: 455-467.

Two Thousand Twelve~2012 (7)

Ashley, J.T.F., M.A. Vasquez, **P. Zelanko**, **E. McKinley**, **M. Schaefer**, **L. Zadoudeh**, **R. Horwitz**, H.M. Stapleton, and **D.V. Velinsky**. 2012. Trophic Transfer of polybrominated diphenyl ethers and polychlorinated biphenyls in a tidal freshwater marsh. *Chemistry and Ecology* 28(4):305-325.

Enache, D.M., **D.F. Charles**, T.J. Belton, and C.W. Callinan. 2012. Total phosphorus changes in New York and New Jersey lakes (USA) inferred from sediment cores. *Lake and Reservoir Management* 28 (4): 293-310.

Rinkel, B.E., Hayes, P.K., Gueidan, C. and Brodie, J. 2012. A molecular phylogeny of Acrochaete and other endophytic green algae (Ulvales, Chlorophyta). *Journal of Phycology* 48 (4): 1020-1027.

Morales, E.A., Novais, M.H., Chávez, G. Hoffmann, L. and Ector, L. 2012. Diatoms (Bacillariophyceae) from the Bolivian Altiplano: three new araphid species from the Desaguadero River draining Lake Titicaca. *Fottea* 12: 41-58.

Morales, E.A., Manoylov, K.M. and Bahls, L.L. 2012. *Fragilariforma horstii* sp.nov. (Bacillariophyceae) a new araphid species from the northern United States of America. *Nova Hedwigia* 141: 141-154.

Morales, E.A. and Rivera, S.F. 2012. Choice of macrophyte substrate in the use of diatoms as indicators of water quality assessment: preliminary data on the case of Alalay Pond (Cochabamba, Bolivia). *Lakes, Reservoirs and Ponds* 6(1-2): 20-42.

Solak, C. N., Ector, L., Wojtal, A.Z., Acs, E. and **Morales, E.A.** 2012. A review of investigations on diatoms (Bacillariophyta) in Turkish inland waters. *Nova Hedwigia* 141: 461-472.

Two Thousand Eleven~2011(12)

Acs, E., L. Ector, K.T. Kiss, C. Cserháti, **E.A. Morales**, & Z. Levkov. 2011. Morphological observations on *Amphora micrometra* Giffen from the Bolivian Altiplano, South America and its transfer to the genus *Halamphora*. *Diatom Research* 26: 199-212.

Cejudo-Figueiras, C., **E.A. Morales**, C.E. Wetzel, S. Blanco, L. Hoffmann, & L. Ector. 2011. Analysis of the type of *Fragilaria construens* var. *subsalina* (*Bacillariophyceae*) and description of two morphologically related taxa from Europe and the United States. *Phycologia* 50: 67-77.

Enache, D.M., A. Paterson, & B.F. Cumming. 2011. Changes in diatom assemblages from 40 reference lakes in the Experimental Lakes Area (northwestern Ontario, Canada): Assessing the probable role of climatic change. *Journal of Paleolimnology* 46: 1-15.

Johansen, J.R., K. Řeháková, & **F. Acker**. 2011. *Tapinothrix ozarkiana* sp. nov., with notes on distribution for the genus in North America. *Fottea* 11(1):141-148.

Keller, D.H. 2011. Population characteristics of White Catfish and Channel Catfish in the Delaware River Estuary. *American Fisheries Society*, 77, 423-436.

Lieb, D.A., **R.W. Bouchard**, R.F. Carline, T.R. Nuttall, J.R. Wallace and C.L. Burkholder. 2011. Conservation and Management of Crayfishes: Lessons from Pennsylvania. *Fisheries*, 36:10, 489-507

Livshultz, T., **J.V. Mead**, and **M.T. Brannin**. (2011). Climate niches of milkweeds with plesiomorphic traits (Secamonoideae; Apocynaceae) and the milkweed sister group link ancient African climates and floral evolution. *American Journal of Botany* 98(12): 1966–1977.

Morales, E.A., L. Ector, E. Fernández, M.H. Novais, D. Hlubikova, P.B. Hamilton, S. Blanco, M.L. Vis, & J.P. Kociolek. 2011. The genus *Achnantheidium* Kützing (Achnanthes, Bacillariophyceae) in Bolivian streams: a report of taxa found in recent investigations. *Algological Studies* 136/137: 89-130.

Taylor, J.C., **E.A. Morales**, & L. Ector. 2011. *Achnantheidium standeri* Cholnoky and *Achnantheidium taiaensis* (J.R. Carter et Denny) two new combinations of morphologically similar *Achnantheidium* species from Africa. *Algological Studies* 136/137: 151-166.

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Velinsky, D.J., G.R. Riedel, J.T. Ashley and J.Cornwell 2011. A contamination history of the Anacostia River, Washington, D.C. *Environmental Assessment and Monitoring* 183(1): 307-328.

Weston, N.B., M.A. Vile, S.C. Neubauer and **D.J. Velinsky**. 2011. Accelerated microbial organic matter mineralization following salt-water intrusion into tidal freshwater marsh soils. *Biogeochemistry* 102 (1-3):135-151

Wojtal, A.Z., L. Ector, B. Van de Vijver, **E.A. Morales**, S. Blanco, J. Piatek, & A. Smieja. 2011. Morphology and distribution of the *Achnantheidium minutissimum* complex (Bacillariophyceae) in southern Poland. *Algological Studies* 136/137: 211-238.

Two Thousand Ten~2010 (11)

Ashley, J.T.F., J.S. Ward, M.W. Schafer, H.M. Stapleton, and **D.J. Velinsky**. 2010 Polychlorinated biphenyls and polybrominated diphenyl ethers in fish oil supplements: Evaluating exposure and health risks. *Food Additives and Contaminants* 27(8): 1177-1185.

Battarbee, R.W., **D.F. Charles**, B.F. Cumming, C. Bigler, and I. Renberg. 2010. Diatoms as indicators of surface water acidity. Pages 98 - 121 In *The diatoms: Applications for the environmental and earth sciences*. Second Edition. Smol, J.P. and E.F. Stoermer, eds. Cambridge University Press, Cambridge.

Cejudo-Figueiras, C., and **E.A. Morales**. 2010. Analysis of the type of *Fragilaria construens* var. *subsalina* (Bacillariophyceae) and description of two morphologically related taxa from Europe and the United States. *Phycologia* 50: 67-77.

Morales, E.A., Wetzel, C.E., and Ector, L. 2010. Two short-striated species of *Staurosirella* (Bacillariophyceae) from Indonesia and the United States. *Polish Botanical Journal* 55: 107-117.

Morales, E.A., Edlund, M.B & Spaulding, S.A. 2010. Description and ultrastructure of a raphid diatom species (Bacillariophyceae) morphologically similar to *Pseudostaurosira elliptica* (Schumann) Edlund et al. *Phycological Research* 58: 97-107.

Morales, E.A., Fernández, E. & Chávez, V.S. 2010. Diatomeas (Bacillariophyta): ¿Por qué debemos incorporarlas en estudios de la biodiversidad boliviana? [Diatoms (Bacillariophyta): Why should we incorporate them in studies of Bolivian biodiversity?]. In: Beck, S. G. et al. (Eds.). *Biodiversidad y Ecología en Bolivia*. Simposio XXX Aniversario Instituto de Ecología Universidad Mayor de San Andrés, La Paz. Bolivia. p. 31-54.

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Morales, E.A., Manoylov, K.M. & Bahls, L.L. 2010. Three new araphid diatoms (Bacillariophyta) from rivers in North America. *Proceedings of the Academy of Natural Sciences of Philadelphia* 160: 29-46.

Nierzwicki-Bauer, S.A., C.W. Boylen, L.W. Eichler, J.P. Harrison, J.W. Sutherland, W. Shaw, R.A. Daniels, **D.F. Charles, F. Acker**, T.J. Sullivan, B. Momen, and P. Bukaveckas. 2010. Acidification in the Adirondacks: Defining the biota in trophic levels of 30 chemically diverse acid-impacted lakes. *Environmental Science and Technology*. 44 (15): 5721–5727.

Stansley, W., **D.J. Velinsky** and **R. Thomas**. 2010. Mercury and halogenated organic contaminants in river otters (*Lontra Canadensis*) in New Jersey USA. *Environmental Toxicology and Chemistry* 29: 2235-2242.

Toner, J.A., J.M. Farrell, and **J.V. Mead**. 2010. Muskrat house abundance within Upper St. Lawrence River Tributary Wetlands: Evaluation of Responses to Water Level Regulation Plans. *Journal of Wetlands* 30:211-219.

Williams, D. M., and **E.A. Morales**. 2010. *Pseudostaurosira medliniae* a new name for *Pseudostaurosira elliptica* (Gasse) Jung et Medlin. *Diatom Research* 25: 225-226.

Two Thousand Nine~2009 (13)

Ashley, J.T.F., M.L. Webster, J.E. Baker, **R. Horwitz**, and **D.J. Velinsky**. 2009. Polychlorinated biphenyls in sediment and biota from the Delaware River estuary. *Proceedings of the Academy of Natural Sciences of Philadelphia*. 158: 89-105.

Acs, E, **E.A. Morales**, K.T. Kiss, B. Bolla, A. Plenkovic-Moraj, M.N. Reskone and L. Ector. 2009. *Staurosira grigorszkyi* nom. Nov. (Bacillariophyceae) and araphid diatom from Lake Balaton, Hungary, with notes on *Fragilaria hungarica* Pantocsek. *Nova Hedwigia*, 89: 469-483.

Enache, MD and **M. Potapova**. 2009. A new species of *Sellaphora* (SELLAPHORACEAE) from Hannaberry Lake, Arkansas, U.S.A. *Acta Botanica Croatica*. 68: 231-237.

Enache, MD and BF Cumming 2009. Extreme fires under warmer and drier conditions inferred from sedimentary charcoal morphotypes from Opatcho Lake, central British Columbia, Canada. *The Holocene*. 19: 835-846

Flinders, C.A. and **D.D. Hart**. 2009. Effects of pulsed flows on nuisance periphyton growths in rivers: a mesocosm study. *River Research and Applications*. 25: 1320-1330.

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McGee, B.L., A.E. Pinkney, **D.J. Velinsky**, **J.A. Ashley**, D.J. Fisher, L.C. Ferrington and T.J. Norberg-King. 2009 Using the sediment quality triad to characterize baseline conditions in the Anacostia River, Washington, DC. *Environmental Monitoring and Assessment*. 156: 51-67.

McNair, J. N. 2009. Comparison of two methods for predicting effects of landcover-related stressors on stream biotic integrity at the catchment scale. *Proceedings of the Academy of Natural Sciences of Philadelphia*. 158: 61-88.

Mead, J.V., F.N.Scaterna, R.Birdsey, Y. Pan, and R. Wall. 2009. Developing SWIM: A Stream-lined Watershed Integration Model for prioritizing stream restoration and conservation. In: *Proceedings from the Global Water Conference in WuHan, China*. 2009.

Morales, EA, E. Fernandez, and PJ Kociolek. 2009. Eplithic diatoms (Bascillariophyta) from cloud forest and alpine streams in Bolivia, SA 3: diatoms from Sehuencas, Carrasco National Park, Department of Cochabamba. *Acta Botanica Croatica* 68: 263-283.

Morales, E.A. and K.M. Manoylov. 2009. *Mayamaea cahabaensis* sp. nov. (Bacillariophyceae), a new freshwater diatom from streams in the United States. *Proceedings of the Academy of Natural Sciences of Philadelphia* 158: 49-59.

Morales, E.A., R. Lücking, and R. Anze. 2009. Una introducción al estudio de los líquenes de Bolivia [An introduction to the study of the lichens from Bolivia]. *Universidad Católica Boliviana San Pablo. Serie Ecología No. 1*. 58 pp. ISSN 2076-779X.

Ren, L., N.N. Rabalais, R.E. Turner, W. Morrison, and W. Mendenhall. 2009. Nutrient Limitation on Phytoplankton Growth in the Upper Barataria Basin, Louisiana: Microcosm Bioassays. *Estuaries and Coasts* 32: 958-974.

Two Thousand Eight~2008 (6)

Bushaw-Newton, K.L, D.A. Kreeger, S. Doaty, & **D.J. Velinsky**. 2008. Utilization of Spartina-and Phragmites-derived dissolved organic matter by bacteria and ribbed mussels (*Geukensia demissa*) from Delaware Bay salt marshes. *Estuaries and Coasts* 31: 694-703.

Flinders, C. A., R. J. Horwitz, & T. Belton. 2008. Relationship of fish and macroinvertebrate communities in the mid-Atlantic uplands: implications for integrated assessments. *Ecological Indicators* 8: 588-598

Horwitz, R.J., C.H. Hession, T. Johnson, P. Overbeck and B. Sweeney. 2008. Effects of riparian vegetation and watershed urbanization on fishes in streams of the mid-Atlantic Piedmont. *J. Amer. Water. Res. Assoc.* 44:721-741.

Cooper, J.E., **J.V. Mead**, J.M Farrell, and R.E. Werner. 2008. Potential impacts of spawning habitat changes on the segregation of pike (*Esox lucius*) and muskellunge (*E. masquinongy*) in the Upper St. Lawrence River. *Hydrobiologia* 601(1): 41

Newbold, J.D., S. Herbert, B. W. Sweeney, and **P. Kiry**. 2008. Water Quality Functions of a 15-year-Old Riparian Forest Buffer System. In "Riparian Ecosystems and Buffer's: Working at the Water's Edge," *AWRA 2008 Summer Specialty Conference*, Virginia Beach, VA, June 30 - July 2, 2008.

Ponader, K.C., D.F. Charles, T.J. Belton, and **D.M. Winter**. 2008. Total phosphorus inference models and indices for coastal plain streams based on benthic diatom assemblages from artificial substrates. *Hydrobiologia* 610: 139-152.

Two Thousand Seven~2007(18)

Araújo, A. & McNair, J.N. 2007. Individual- and population-level effects of antimicrobials on the rotifers, *Brachionus calyciflorus* and *B. plicatilis*. *Hydrobiologia* 593: 185–199.

Ashley, J.T.F., D. Libero, E. Halscheid, L. Zaoudeh, & H. M. Stapleton. 2007. Polybrominated Diphenyl Ethers in American Eels (*Anguilla rostrata*) from the Delaware River, USA. *Bulletin of Environmental Contamination and Toxicology* 79: 99-103.

Flinders, C. A. & D. D. Magoulick. 2007. The role of predation risk and foraging profitability in habitat selection of a lotic crayfish: effect of depth and crayfish size. *Journal of the North American Benthological Society* 26: 767-778

Flinders, C. A. & D. D. Magoulick. 2007. Habitat selection and the importance of environmental variables in lotic crayfish assemblages. *Journal of Crustacean Biology* 27: 242-254.

Johnson, T.E., McNair, J.N., Srivastava, P., & Hart, D.D. 2007. Stream ecosystem responses to spatially variable landcover: a model for developing riparian restoration strategies. *Freshwater Biology* 52: 680-695.

Morales, E. A. & Trainor, F. R. 2007. The role of phenotypic plasticity in the interpretation of ecological data. In: Feyen, J., Aguirre, L. F. & Moraes, R. M. (Eds.). Congreso internacional sobre desarrollo y medio ambiente y recursos naturales: sostenibilidad a múltiples niveles y escalas/Internacional congress on development, environment and natural resources: Multi-level and multi-scale sustainability. Vol. II. pp. 1150-1157. Universidad Mayor de San Simón. Talleres Gráficos Kipus. Cochabamba, Bolivia.

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Morales, E. A. & Vis, M. 2007. Epilithic diatoms (Bacillariophyceae) from cloud forest and alpine streams in Bolivia, South America. *Proceedings of the Academy of Natural Sciences of Philadelphia* 156: 123-155.

O'Connor, M.P., Agosta, S.J., Hansen, F., Kemp, S.J., Sieg, A.E., **McNair, J.N.** & Dunham, A.E. 2007. Phylogeny, regression, and the allometry of physiological traits. *American Naturalist* 170: 431–442.

O'Connor, M.P., Agosta, S.J., Hansen, F., Kemp, S.J., Sieg, A.E., Wallace, B.P., **McNair, J.N.** & Dunham, A.E. 2007. Size, selection, and physiology: Reconsidering the mechanistic basis of the metabolic theory of ecology. *Oikos* 116: 1058–1072.

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