

Patrick Center for Environmental Research
Peer-Reviewed Publications
(1933-2011)

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 *Halimphora*. *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. Pages 423-436 in P.H. Michaletz and V.H. Travnichek, editors. *Conservation, ecology, and management of catfish: the second international symposium*. American Fisheries Society, Symposium 77, Bethesda, Maryland.

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.

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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 *Achnanthidium* Kützing (Achnanthales, 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. *Achnanthidium standeri* Cholnoky and *Achnanthidium taiaensis* (J.R. Carter et Denny) two new combinations of morphologically similar *Achnanthidium* species from Africa. *Algological Studies* 136/137: 151-166.

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 *Achnanthidium 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.

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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 araphid 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.

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.

Nierwicki-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.

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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. (Bacillariophycesae) 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.

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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.Scatena, 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. Epilithic diatoms (Bacillariophyta) 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.

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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. Kirby**. 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. Magoullick. 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

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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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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.

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Patrick, R., J. Palms, **D. Kreeger**, & C.Harris. 2007. 25 years of radionuclides in the Susquehanna River via periphyton biomonitor. *Health Physics Journal* 92(1): 1-9.

Palms J., **R. Patrick, D. Kreeger**, & C.Harris. 2007. 25-Y Study of Radionuclide Monitoring with Terrestrial and Aquatic Biomonitor. *Health Physics Journal* 92(3): 219-225.

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Ponader, K.C. & M.G. Potapova. 2007. Diatoms from the genus *Achnanthidium* in flowing waters of the Appalachian Mountains (North America): Ecology, distribution and taxonomic notes. *Limnologica* 37: 227-241.

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Two Thousand Six~2006 (27)

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Two Thousand Five~2005 (18)

Bednarek AT & **DD Hart** 2005. Modifying dam operations to restore rivers: Ecological responses to dam mitigation in the Tennessee River. *Ecological Applications* **15**: 997-1008.

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