

**Patrick Center for Environmental Research**  
**Peer-Reviewed Publications**  
(1933-2016)

*Two Thousand Sixteen~2016 (8)*

**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.

**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.

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 (6)*

**Bhanu P.**, 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.

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

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.

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*.

**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)

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

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 *Psammothidium* 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.

**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

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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. Zadoueh**, **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. Pages 423-436 in P.H. Michaletz and V.H. Travnicek, 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.

**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 (*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. *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.

**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.

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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. *subsalsina* (Bacillariophyceae) and description of two morphologically related taxa from Europe and the United States. *Phycologia* 50: 67-77.

**Morales, E.A.**, Wetzell, 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.

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.

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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. (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.

**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.

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.

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**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. 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:



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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.

**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.

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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.

**Patrick, R.**, J. Palms, **D. Kreeger**, & C.Harris. 2007. 25 years of radionuclides in the Susquehanna River via periphyton biomonitors. *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 Biomonitors. *Health Physics Journal* 92(3): 219-225.

**Ponader KC, DF Charles** & TJ Belton. 2007. Diatom-based TP and TN inference models and indices for monitoring nutrient enrichment of New Jersey streams. *Ecological Indicators* 7:79-93.

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

**Potapova, M.** & P.B. Hamilton. 2007. Morphological and ecological variation within the *Achnantheidium minutissimum* (Bacillariophyceae) species complex. *Journal of Phycology* 43:561-575.

**Potapova M & DF Charles.** 2007. Diatom metrics for monitoring eutrophication in rivers of the United States. *Ecological Indicators* 7: 48-70.

Siver, P. A., Hamilton, P. B. & **Morales, E. A.** 2007. Notes on the genus *Nupela* (Bacillariophyceae) including the description of a new species, *Nupela scissura* sp. nov. and an expanded description of *Nupela paludigena*. *Phycological Research* 55: 125-134.

Weis, P. & **J.T.F. Ashley.** 2007. Contaminants in Fish of the Hackensack Meadowlands, New Jersey: Size, Sex, and Seasonal Relationships as Related to Health Risks. *Arch. Environ. Contam. Toxicol.* 52: 80-89.

#### *Two Thousand Six~2006 (27)*

**Ashley J.T.F, K.L. Bushaw-Newton, M. Wilhelm, A. Boettner,** G. Drames & **D.J. Velinsky.** 2006. The effects of small dam removal on the distribution of sedimentary contaminants. *Environmental Management and Assessment* 114: 287-312.

Bernhardt E, SE Bunn, **DD Hart**, B Malmqvist, T Muotka, RJ Naiman, C Pringle, M Reuss & B van Wilgen 2006. Perspective: The challenge of ecologically sustainable water management. *Water Policy* 8(5): 475-479.

**Bahnck, C.M.** and **D.M. Fonseca.** 2006. Rapid assay to identify the two genetic forms of *Culex (Culex) pipens L.* (Dipera: Culicidae) and hybrid populations. *American Journal of Tropical Medicine and Hygiene* **75**: 251-255.

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