

Patrick Center for Environmental Research
Peer-Reviewed Publications
(1933-2018)

Two Thousand Eighteen ~2018 (15)

Belton, T.J., and **Paudel, B.** (eds.), A comprehensive assessment of Barnegat Bay-Little Egg Harbor, New Jersey. *Journal of Coastal Research* Special Issue 78: 70-78. Coconut Creek (Florida), ISSN 0749-0208.

Blaen P.J., **Kurz M.J.**, Drummond J.D., Knapp J.L.A., Mendoza-Lera C., Schmadel N.M., Klaar M.J., Jäger A., Folegot S., Lee-Cullin J., Ward A.S., Zarnetske J.P., Datry T., Milner A.M., Lewandowski J., Hannah D.M., Krause S. 2018. Woody debris is related to reach-scale hotspots of lowland stream ecosystem respiration under baseflow conditions. *Ecohydrology*, e1952. <https://doi.org/10.1002/eco.1952>.

Galbraith, H., D. Iwanowicz, D. Spooner, L. Iwanowicz, **D. Keller, P. Zelanko** and C. Adams. 2018. Exposure to synthetic hydraulic fracturing waste influences the mucosal bacterial community structure of the brook trout (*Salvelinus fontinalis*) epidermis. *AIMS Microbiology*, 4(3): 413–427.

Gray, A.B., G.B. Pasternack, and **E.B. Watson**. 2018. Estuarine abandoned channel sedimentation rates record peak fluvial discharge magnitudes. *Estuarine, Coastal and Shelf Science* 203, 90-99.

Holmquist, J.R., L. Windham-Myers, S. Crooks, J. Morris, J.P. Megonigal, T. Troxler, D. Weller, N. Bliss, J. Callaway, J. Drexler, M. Ferner, M. Gonnee, K. Kroeger, L. Schile, I. Woo, K. Buffinton, J. Breithaupt, B. Boyd, L. Brown, N. Dix, L. Hice Dutton, B. Horton, G. MacDonald, R. Moyer, T. Shaw, E. Smith, J.D. Smoak, C. Sommerfield, K. Thorne, **D.J. Velinsky, E.B. Watson**, K. Wilson, and M. Woodrey. Simple Empirical Relationships Estimate Tidal Wetland Soil Carbon Stock More Accurately and Precisely than High Resolution Soil Maps. *Nature Scientific Reports* 8: 9478.

Horwitz, R.J., D. Keller, S. Platania, and R. Dudley. 2018. Age and population structure of the Rio Grande Silvery Minnow (*Hybognathus amarus*) with respect to life history and hydrological modification. *Transactions of the American Fisheries Society* 147:265-277.

Keller, D.H., P.M. Zelanko, J.E. Gagnon, R.J. Horwitz, H.S. Galbraith and **D.J. Velinsky**. 2018. Linking otolith microchemistry and surface water contamination from natural gas mining. *Environmental Pollution* 240: 437-465.

Krzton-Presson, A., B. Davis, **K. Raper**, K. Hitz, C. Mecklin and H. Whiteman. 2018. Effects of Phragmites Management on the Ecology of a Wetland. *Northeastern Naturalist* 25(3): 418-426.

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

Leach, T.H., L.A. Winslow, **F.W. Acker**, J.A. Bloomfield, C.W. Boylen, P.A. Bukaveckas, **D.F. Charles**, R.A. Daniels, C.T. Driscoll, L.W. Eichler, J.L. Farrell, C.S. Funk, C.A. Goodrich, T.M. Michelena, S.A. Nierzwicki-Bauer, K.M. Roy, W.H. Shaw, J.W. Sutherland, M.W. Swinton, D.A. Winkler, and K.C. Rose. 2018. Long-term dataset on aquatic responses to concurrent climate change and recovery from acidification. *Nature: Scientific Data* 5: Article number: 180059 doi:10.1038/sdata.2018.59

O'Donnell, S., **P. Zelanko**, **D.J. Velinsky**. 2018. Stable isotopes demonstrate caste differences in trophic level. *Behavioral Ecology and Sociobiology* 72:6.

Raposa, K.B., R.A. McKinney, C. Wigand, J.W. Hollister, C. Lovall, *K Szura, *J.A. Gurak Jr., J. McNamee, C. Raithel, and **E.B. Watson**. 2018. Top-down and bottom-up controls on southern New England salt marsh crab populations. *PeerJ* 6, e4876.

Watson, E.B., ***Powell, E.**, Maher, N.P., Oczkowski, A.J., Paudel, B., Starke, A., Szura, K., Wigand, C. 2018. Indicators of nutrient pollution in Long Island, New York, estuarine environments. *Marine Environmental Research*, 134: 109-120.

Watson, E.B., K. Szura, ***E. Powell**, N. Maher, and C. Wigand. 2018. Cultural eutrophication Is reflected in the stable isotopic composition of the eastern mudsnail. *Journal of Environmental Quality* 47: 177-184.

Wigand, C., **E.B. Watson**, R. M. Martin, D.S. Johnson, R.S. Warren, A. Hanson, E.W. Davey, R. Johnson, and L. Deegan. 2018. Discontinuities in soil strength coupled with sea level rise contribute to destabilization of nutrient-enriched creeks. *Ecosphere* 9(8)e02329

Wyndham-Myers, L., W.J. Kai, A. Wang, A. Andersson, A. Hinson, C. Hopkinson, D. Lagomasino, D. Peteet, C. Giri, J. Howard, J. Tang, J. Crosswell, J.M. Hernandez Ayon, K. Dunton, K. Kroeger, M. Tzortziou, M.L. Paulsen, A. Mead, P. Megonigal, S. Siedlecki, **E.B. Watson**, S. Alin, and X. Hu. 2018. Chapter 15, Tidal Wetlands and Estuaries. *The Second State of the Carbon Cycle Report (SOCCR): The North American Carbon Budget and Implications for the Global Carbon Cycle*. Oak Ridge National Laboratory, Oak Ridge, TN.

Two Thousand Seventeen ~2017 (17)

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

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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.

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 behavior in invasive and native woodwasps. *Agricultural and Forest Entomology*. doi.org/10.1111/afe.12276.

Keller, D.H., R.J. Horwitz, J.V. Mead Natural Gas Drilling in and T.J. Belton. 2017. Natural Gas Drilling in the Marcellus Shale Region: Well pad densities and aquatic communities. *Hydrobiologia* 795: 49-64.

Kroll, S.A., Ringler, N.H., Cano Costa, M.D.L.C. and De las Heras Ibañez, J., 2017. Macroinvertebrates on the front lines: projected community response to temperature and precipitation changes in Mediterranean streams. *Journal of Freshwater Ecology*, 32(1), pp.513-528.

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., Detry 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.

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.

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

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.

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

Wigand, C. T. Ardito, C. Chaffee, W. Ferguson, S. Paton, K. Raposa, C. Vandemoer, and **E. B. Watson**. 2017. A climate change adaptation strategy for management of coastal marsh systems. *Estuaries and Coasts* 40: 682-693.

Watson, E.B., K.B. Raposa, J.C. Carey, C. Wigand, and R.S. Warren. 2017. Anthropocene survival of southern New England's salt marshes. *Estuaries and Coasts* 40: 617-625.

Watson, E.B., C. Wigand, E.W. Davey, H.M. Andrews, J. Bishop, and K.B. Raposa. 2017. Wetland loss patterns and inundation-productivity relations prognosticate widespread salt marsh loss for southern New England. *Estuaries and Coasts* 40: 662-681

Wasson, K., R. Jeppesen, C. Endris, D.C. Perry, A. Woolfolk, K. Beheshti, M. Rodriguez, R. Eby, **E.B. Watson**, F. Rahman, J. Haskins, and B.B. Hughes. 2017. Eutrophication decreases salt marsh resilience through proliferation of algal mats. *Biological Conservation* 212: 1-11.

Two Thousand Sixteen~2016 (9)

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. Abandoned channel fill sequences in the tidal estuary of a small mountainous, dry-summer river. *Sedimentology* 63: 176-206.

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

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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.

Wigand, C., K. Sundberg, A. Hanson, E. Davey, R. Johnson, **E.B. Watson**, and J. Morris. 2016. Varying inundation regimes differentially affect natural and sand-amended marsh sediments. *PloS ONE* 11(10) e0164956.

Two Thousand Fifteen~2015 (9)

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.

Gray, A.B., G.B. Pasternack, **E.B. Watson**, J.A. Warrick, and M.A. Goñi. 2015. The effect of El Niño Southern Oscillation cycles on the decadal scale suspended sediment behavior of a coastal dry-summer subtropical catchment *Earth Surface Processes and Landforms* 40: 272-284.

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.

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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.

Watson, E.B., C. Wigand, A. Oczkowski, K. Sundberg, D. Vendettuoli, S. Jayaraman, K. Saliba, and J.T. Morris. 2015. Ulva additions alter soil biogeochemistry and negatively impact *Spartina alterniflora* growth. *Marine Ecology Progress Series* 532: 59-72.

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)

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 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. Cserhádi, **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.

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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 (Achnanthesales, 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.

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 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. 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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