

Publication List of the Olentangy River Wetland Research Park, 1992 – present

* indicates research publication specifically on the wetlands at the Olentangy River Wetland Research Park

PUBLISHED PAPERS

2008

- *08-004 Nahlik, A.M., and W.J. Mitsch. in press. The effect of river pulsing on sedimentation and nutrients in created riparian wetlands. *J. Environ. Qual.*
- *08-003 Tuttle, C.L. L. Zhang, and W.J. Mitsch. in press. Aquatic metabolism as an indicator of the ecological effects of hydrologic pulsing in flow-through wetlands. *Ecological Indicators*
- *08-002 Swab, R.M. and W.J. Mitsch. in press. Effect of hydrologic restoration and *Lonicera maacki* removal on herbaceous understory vegetation in a bottomland hardwood forest. *Restoration Ecology*
- *08-001 Zhang, L. and W.J. Mitsch. in press. Sediment chemistry and nutrient influx in a hydrologically restored bottomland hardwood forest in Midwestern USA. *River Research and Applications*

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- 07-007 Yanez-Arancibia, A., J.W. Day, R.R. Twilley, and W.J. Mitsch. 2007. Enfoque ecosistmico para restaurar humedales costeros ante los cambios globales. *Ambientico* 165: 35-38.
- 07-006 Mitsch, W.J. 2007. Ecological and social complexity in restoring water resources: Coastal Louisiana, the Mississippi River Basin, and Mesopotamia. Pages 19-23 In: 2006 Stockholm Water Prize Laureates Seminar: Challenges and Opportunities within the Water Sector, Stockholm International Water Institute, Stockholm, Sweden.
- 07-005 Mitsch, W.J. 2007. Restoration of the world's wetlands. Pages 30-37 In: Proceeding, International Symposium on Wetland Restoration 2006: Restoration and Wise Use of Wetlands. Organizing Committee of the Symposium on Wetland Restoration 2006, Shiga Prefectural Government, Otsu, Japan.
- 07-004 Day J.W., Jr., Donald F. Boesch, Ellis J. Clairain, G. Paul Kemp, Shirley B. Laska, William J. Mitsch, Kenneth Orth, Hassan Mashriqui, Denise R. Reed, Leonard Shabman, Charles A. Simenstad, Bill J. Streever, Robert R. Twilley, Chester C. Watson, John T. Wells, and Dennis F. Whigham. 2007. Restoration of the Mississippi Delta: Lessons From Hurricanes Katrina and Rita. *Science* 315:1679-1684.
- *07-003 Hernandez, M.E. and W.J. Mitsch. 2007. Denitrification in created riverine wetlands: Influence of hydrology and season. *Ecological Engineering* 30:78-88.
- *07-002 Fink, D.F. and W.J. Mitsch. 2007. Hydrology and biogeochemistry in a created river diversion oxbow wetland. *Ecological Engineering* 30: 93-102.
- *07-001 Hernandez, M.E. and W.J. Mitsch. 2007. Denitrification potential and organic matter as affected by vegetation community, wetland age, and plant introduction in created wetlands. *Journal of Environmental Quality* 36: 333-342.

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- *06-006 Altor, A. E. and W.J. Mitsch. 2006. Methane flux from created wetlands: Relationship to intermittent vs. continuous inundation and emergent macrophytes. *Ecological Engineering* 28: 224-234.
- 06-005 Costanza, R., W.J. Mitsch, and J.W. Day. 2006. A new vision for New Orleans and the Mississippi Delta: Applying ecological economics and ecological engineering. *Frontiers in Ecology and the Environment* 4: 465-472.
- *06-004 Hernandez, M.E. and W.J. Mitsch. 2006. Influence of hydrologic pulses, flooding frequency, and vegetation on nitrous oxide emissions from created riparian marshes. *Wetlands* 26: 862-877.
- 06-003 Costanza, R., W.J. Mitsch, and J.W. Day, Jr. 2006. Creating a sustainable and desirable New Orleans. *Ecological Engineering* 26: 317-320.
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- 06-001 Mitsch, W.J. and J.W. Day, Jr. 2006. Restoration of wetlands in the Mississippi-Ohio-Missouri (MOM) River Basin: Experience and needed research. *Ecological Engineering* 26: 55-69.

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- *05-009 Anderson, C.J. and W.J. Mitsch. 2005. Effect of pulsing on macrophyte productivity and nutrient uptake: A wetland experiment. *American Midland Naturalist* 154: 305-319.
- *05-008 Anderson, C.J., W.J. Mitsch, and R.W. Nairn. 2005. Temporal and spatial development of surface soil conditions at two created riverine marshes. *Journal of Environmental Quality* 34: 2072-2081.
- 05-007 Mitsch, W.J. 2005. Applying science to conservation and restoration of the world's wetlands. *Water Science & Technology* 51 (8): 13-26.
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- *03-001 Harter, S.K. and W.J. Mitsch. 2003. Patterns of short-term sedimentation in a freshwater created marsh. *Journal of Environmental Quality*. *Journal of Environmental Quality* 32: 325-334.

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- Mitsch, W.J. and J.G. Gosselink. 2000. *Wetlands*, 3rd ed. J. Wiley & Sons, Inc., New York, 920 pages. ISBN: 978-0-471-29232-6
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18. Martin, J. and W.J. Mitsch (eds.) 2006. The growth of ecological engineering: The fifth annual conference of the American Ecological Engineering Society. *Special Issue of Ecological Engineering* 28: 183-323.
17. Reddy, K.R., R.H. Kadlec, M.J. Chimney, and W.J. Mitsch (eds.) 2006. The Everglades Nutrient Removal Project. *Special Issue of Ecological Engineering* 27: 265-380.
16. Peterson, S.B., J.M. Teal and W.J. Mitsch (eds.) 2005. Delaware Bay Salt Marsh Restoration. *Special Issue of Ecological Engineering* 24: 243-418.
15. Mitsch, W.J. (ed.) 2005. *Wetland Creation, Restoration, and Conservation: The State of the Science*. *Special Issue of Ecological Engineering* 24: 243-418.
14. Gattie, D.K., S. McCutcheon, and W.J. Mitsch (eds.) 2003. The Philosophy and Emergence of Ecological Engineering. *Special Issue of Ecological Engineering* 20: 327-454.
13. Lefeuve, J.C., W.J. Mitsch, and V. Bouchard (eds.). 2002. *Ecological Engineering Applied to River and Wetland Restoration*. *Special Issue of Ecological Engineering* 18: 529-658.
12. Söderqvist, T., W.J. Mitsch, and R.K. Turner (eds.) 2000. The Value of Wetlands: Landscape and Institutional Perspectives. *Special Issue of Ecological Economics* 35: 1-132.
11. Mitsch, W.J., A. Horne and R.W. Nairn (eds.) 2000. Nitrogen and Phosphorus Retention in Wetlands. *Special Issue of Ecological Engineering* 14:1-206.
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9. Mitsch, W.J. and V. Bouchard (eds.) 1998. Great Lakes Coastal Wetlands: Their Potential for Restoration. *Special Issue of Wetlands Ecology and Management* 6: 1-82.
8. Wang, R., J. Yan, and W.J. Mitsch (eds.). 1998. *Ecological Engineering in Developing Countries*. *Special Issue of Ecological Engineering* 11: 1-313.
7. Mitsch, W.J. and M. T. Brown (eds.). 1998. *Ecological Engineering at EcoSummit 96*. *Special Issue of Ecological Engineering* 10:115-226.
6. Mitsch, W.J. and U. Mander (eds.) 1997. *Ecological Engineering in Central and Eastern Europe: Remediation of Ecosystems Damaged by Environmental Contamination*. *Special Issue of Ecological Engineering* 8:247-346.
5. Gopal, B. and W.J. Mitsch. 1995. The Role of Vegetation in Created and Restored Wetlands. *Special Issue of Ecological Engineering* 5:1-121.
4. Mitsch, W.J. (ed.). 1995. Restoration and Creation of Wetlands-Scientific Basis and Measuring Success. *Special Issue of Ecological Engineering* 4:61-162.
3. Sanville, W. and W.J. Mitsch (eds.). 1994. Creating Freshwater Marshes in a Riparian Landscape: Research at the Des Plaines River Wetland Demonstration Project. *Special Issue of Ecological Engineering* 3:315-521.
2. Wetzel, R.G., A. van der Valk, R.E. Turner, W.J. Mitsch and B. Gopal (eds.). 1994. Recent Studies on Ecology and Management of Wetlands *Special Issue of International Journal of Ecology and Environmental Sciences* 20:1-246.
1. Mitsch, W.J., J. Yan and J. Cronk (eds.). 1993. Ecological engineering in China. *Special Issue of Ecological Engineering* 2:177-307.

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- *T-07-02 Mitsch, W.J., ed. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 2006, Olentangy River Wetland Research Park, The Ohio State University, 24 pp.
- T-07-01 Mitsch, W.J., L. Zhang, and C. Huang. 2007. OSU Marion Campus On-Campus Stream and Wetland Restoration Plan for The Ohio State University at Marion. Report to Planning and Real Estate Office,

- Ohio State University, Olentangy River Wetland Research Park, The Ohio State University, Columbus, 41 pp.
- 2006
- *T-06-01 Mitsch, W.J., L. Zhang, C. Tuttle, and K. Jones. 2006. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 2005, Olentangy River Wetland Research Park, The Ohio State University, 305 pp.
- 2005
- *T-05-05 Mitsch, W.J., L. Zhang, and A.E. Altor, eds. 2005. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 2004, Olentangy River Wetland Research Park, The Ohio State University, 200 pp.
- T-05-04 Mitsch, W.J., L. Zhang, and A.M. Nahlik. 2005. Designing a Regeneration Zone for the Cuyahoga River Valley: Project Component Ecological Restoration. Report to Rocky Mountain Institute, Olentangy River Wetland Research Park, The Ohio State University, Columbus, 72 pp.
- T-05-03 Jørgensen, S.E., W.J. Mitsch, L. Zhang, D. Gamble, and C.L. Tuttle. 2005. Handbook on Phytotechnology for Water Quality Improvement and Wetland Management through Modelling Applications. United Nations Environmental Programme, International Environmental Technology Centre, Shiga Prefecture, Japan, 239 pp.
- T-05-02 Santiago-Fandino, V., W.J. Mitsch, I. Wagner-Lotkowska, J. Zhang, A. Al Zawahry, D. E.D. El-Quisy, A. Abul-Azm, A. Refaat, I. Gafaar, and M. Bayoumi. 2005. Environmental Management of the Iraqi Marshlands: Phytotechnology for Wetland Management. United Nations Environmental Programme, International Environmental Technology Centre, Shiga Prefecture, Japan, 321 pp.
- T-05-01 Day, W.J., W.J. Mitsch, R.L. Lane, and L. Zhang. 2005. Restoration of wetlands and water quality in the Mississippi-Ohio-Missouri (MOM) River Basin and Louisiana Delta. Final report to Louisiana Department of Natural Resources, Baton Rouge, LA
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- *T-04-01 Mitsch, W.J., L. Zhang, and C. Tuttle, eds. 2004. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 2002, School of Natural Resources, The Ohio State University, 233 pp.
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- T-02-01 Mitsch, W.J., L. Zhang, and D. Fink. 2002. Pre-restoration studies of water quality in the Upper Big Darby watershed. First-year report. Report to U.S. Army Corps of Engineers, Huntington District, Olentangy River Wetland Research Park, School of Natural Resources, The Ohio State University, Columbus.
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- *T-01-02 Mitsch, W.J. and L. Zhang, eds. 2001. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 2000, School of Natural Resources, The Ohio State University, 216 pp.
- T-01-01 Mitsch, W.J. and D.F. Fink. 2001. Wetlands for controlling nonpoint source pollution from agriculture: Indian Lake Wetland Demonstration Project. Submitted to Indian Lake Watershed Project, Bellfontaine, OH, 18 pp.
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- *T-00-01 Mitsch, W.J. and L. Zhang, eds. 2000. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 1999, School of Natural Resources, The Ohio State University, 233 pp.
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- *T-99-02 Mitsch, W.J. and V. Bouchard, eds. 1999. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 1998, School of Natural Resources, The Ohio State University, 233 pp.
- T-99-01 Mitsch, W.J., J.W. Day, Jr., J.W. Gilliam, P.M. Groffman, D.L. Hey, G.W. Randall, and N. Wang. 1999. Reducing nutrient loads, especially nitrate-nitrogen, to surface water, groundwater, and the Gulf of Mexico. Topic 5 Report for the Integrated Assessment on Hypoxia in the Gulf of Mexico. NOAA Coastal Ocean Program Decision Analysis Series No. 19. NOAA Coastal Ocean Program, Silver Spring, MD, 111 pp.

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*T 98-01 Mitsch, W.J. and V. Bouchard, eds. 1998. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 1997, School of Natural Resources, The Ohio State University, 335 pp.

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T 97-03 Mitsch, W.J., L. Carmichael, D. Spieles, L. Svengsouk, and N. Wang. 1997. Tertiary Treatment of Wastewater in Southwest Licking County, Ohio, with a Constructed Wetland. Annual Report to Southwest Licking Community Water and Sewer District, 33 pp.

*T 97-02 Mitsch, W.J., ed. 1997. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 1996, School of Natural Resources, The Ohio State University, 316 pp.

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1995

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T 95-01 Mitsch, W.J. and J.K. Cronk. 1995. Influence of hydrologic loading on phosphorus retention and ecosystem productivity in created wetlands. Technical Report WRP-RE-6 U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

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*T 94-01 Mitsch, W.J., X. Wu, and others. 1994. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 1993, School of Natural Resources, The Ohio State University, 96 pp.

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T 93-03 Mitsch, W.J., J.K. Cronk and others. 1993. Phosphorus retention and ecosystem productivity of constructed wetlands at the Des Plaines River Wetland Demonstration Project, 1991-92. Final Report to Wetlands Research Inc., Chicago, Illinois for U.S. Army Corps of Engineers, Vicksburg, MS, 82 pp.

*T 93-02 Mitsch, W.J., X. Wu and others. 1993. Olentangy River Wetland Research Park at The Ohio State University, Annual Report 1992, School of Natural Resources, The Ohio State University, 76 pp.

T 93-01 Mitsch, W.J., N. Flanagan, and K. Wise. 1993. Treatment of Acid Mine Drainage at Lick Run Demonstration Wetlands: Preconstruction Analysis and Simulation Modelling, Final Report to Ohio Department of Natural Resources, Columbus, 24 pp. + appen.

1992

Mitsch, W.J. et al. 1992. Ecosystem Studies of the Des Plaines River Experimental Wetlands; 1990/91. Final Report to Wetlands Research Inc., Chicago, Illinois.

THESES AND DISSERTATIONS

GRADUATE STUDENTS (54)

2007

- *Anne Altor "Methane and carbon dioxide fluxes in created riparian wetlands in Midwestern USA: Effects of hydrologic pulses, emergent vegetation, and hydric soils" Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch
- *Daniel F. Fink "Effects of a pulsing hydroperiod on a created riparian river diversion wetland" Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

2006

- *Maria E. Hernandez "The effect of hydrologic pulses on nitrogen biogeochemistry in created riparian wetlands in Midwestern USA" Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch
- Debra L. Gamble "Tree growth and hydrologic patterns in forested mitigation wetlands" Master's Thesis, School of Environment and Natural Resources, The Ohio State University. Advisor: William J. Mitsch

2005

- *Cassandra L. Tuttle "The effects of hydrologic pulsing on aquatic metabolism in created riparian wetlands" Master's Thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch
- *Amanda M. Nahlik "The effects of river pulsing on sedimentation in two created riparian wetlands" Master's Thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch
- *Christopher J. Anderson "The influence of hydrology and time on productivity and soil development of created and restored wetlands" Ph.D. dissertation, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
- *Rebecca Swab "Effectiveness of *Lonicera maackii* removal from a bottomland hardwood forest in central Ohio" Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
- Tracy J. Tenwalde "Averting and treatment costs regarding nitrogen risk in public water supplies in Columbus, Ohio: Implications for wetland nitrogen sequestration" Master's Thesis, Agricultural, Environmental, and Development Economics, The Ohio State University. Advisor: Fredrick J. Hitzhusen

2004

- Deni Porej "Faunal aspects of wetland creation and restoration" Ph.D. dissertation, Evolution, Ecology, and Organismal Biology Department, The Ohio State University. Advisor: Thomas E. Heatherington
- Eric J. Lohan "A methodology to ecologically engineer watersheds for nitrogen nonpoint source pollution control" Master's thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

2003

- *Mark A. Dilley "Atrazine fate in a created wetland" Master's thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: Samuel Traina

2002

- *Cheri Higgins "Ecosystem engineering by muskrats (*Ondatra zibethicus*) in created freshwater marshes" Master's thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch
- *Amie M. Gifford "The effect of macrophyte planting on amphibian and fish community use of two created wetland ecosystems in central Ohio" Master's thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

2001

- Daniel F. Fink "Efficacy of a newly created wetland at reducing nutrient loads from agricultural runoff" Master's thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch
- *Rikki Bronnum "The effects of alachlor on denitrifying bacteria in mesocosms and created wetlands in central Ohio, USA" Master's Thesis, Environmental Chemistry, University of Copenhagen. Advisor; S.E. Jørgensen
- *Matthew Cochran "Effect of hydrology on bottomland hardwood forest productivity in central Ohio (USA). Master's thesis, Natural Resources, The Ohio State University. Advisor: Virginie Bouchard
- *Changwoo Ahn "Ecological engineering of wetlands with a recycled coal combustion byproduct" Ph.D. dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

2000

*Michael A. Liptak "Water column productivity, calcite precipitation, and phosphorus dynamics in freshwater marshes" Ph.D. dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

John J. Gutrich "Ecological and economic analysis of natural capital: Assessing and modeling the substitutability of mitigation wetlands for natural sites" Ph.D. dissertation, Department of Agricultural, Environmental, and Developmental Economics. The Ohio State University Advisor: F. Hitzhusen

1999

*Sarah K. Harter "Patterns of short-term sedimentation in created freshwater marshes" Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch

*Hojeong Kang "The significant of enzyme activities in wetland biogeochemistry" Thesis, University of Wales, Bangor, WALES (UK) Advisor: Chris Freeman

1998

*Douglas Spieles "Nutrient retention and macroinvertebrate community structure in constructed wetlands receiving wastewater and river water" Ph.D. dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

*Sharon A. Johnson "Effects of hydrology and plant introduction on first-year macrophyte growth in a newly created wetland" Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch

*Lisa J. Svengsouk "First-year response of *Typha latifolia* L. and *Schoenoplectus tabernaemontani* (K.C. Gmel.) Palla to nitrogen and phosphorus additions in experimental mesocosms" Master's Thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

1997

Randall J.F. Bruins "Modeling of flooding response and ecological engineering in an agricultural wetland region of Central China" Ph.D. dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

Neal E. Flanagan "Comparing ecosystem structure and function of constructed and naturally occurring wetlands: Empirical field indicators and theoretical indices" Ph.D. dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

*Kathleen D. Metzker "Self-design of a fish community in a created riparian freshwater marsh: A simulation model" Master's Thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

1996

Naiming Wang, "Modelling phosphorus retention in freshwater wetlands," Ph.D. dissertation, Environmental Science Program, The Ohio State University. Advisor: William J. Mitsch

*Paul Weihe, "Colonizing and introduced vegetation in created riparian wetlands: establishment during the first two growing seasons," Ph.D. dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

*Robert Nairn, "Biogeochemistry of newly created riparian wetlands: evaluation of water quality changes and soil development " Ph.D. dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

Uygar Özesmi, "A spatial habitat model for the marsh-breeding red-wing blackbird (*Agelaius phoeniceus*) in coastal Lake Erie wetlands" Master's Thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

*Pernille Mortensen and Pernille Lanzky, "Water quality improvement in a constructed wetland," Thesis, Royal Danish School of Pharmacy, Copenhagen, DENMARK Advisor: S.E. Jørgensen

*John S. Koreny, "Hydrology of a constructed riparian wetland system: Characterization and predictive modeling," Master's Thesis, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch

*Rebecca Smith, "Nitrogen transfer in groundwater in the riparian zone of the Olentangy River, Columbus, Ohio" Thesis, Cambridge University, Cambridge, ENGLAND Advisor: S. Fennessy

1995

*Doreen M. Dudek, "Tree growth responses to streamflow in a bottomland forest in central Ohio," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch

Renee Francine Wilson, "Progress and success of five mitigation wetlands in Ohio," Master's Thesis, School of Natural Resources, The Ohio State University

1994

Karen M. Wise, "Evaluation of acid mine drainage control by a constructed wetland in southeastern Ohio," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch

- Steven F. Niswander, "Functional analysis of a created in-stream mitigation wetland: hydrology, phosphorus retention, and tree growth" Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
1993
- *Frank D. Voss, "Groundwater investigation of Ohio State University wetland site. Master's Thesis, Department of Geodetic Science, The Ohio State University Advisor: Carolyn Merry
1992
- Julie Kay Cronk, "Spatial water quality and aquatic metabolism in four newly constructed freshwater riparian wetlands," Ph.D. Dissertation, Environmental Science Graduate Program, The Ohio State University. Advisor: William J. Mitsch
- Neal E. Flanagan, "A dynamic model of metal retention in a constructed mine drainage wetland," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
- Hiroyuki Hagiwara, "Ecosystem modelling of an integrated aquaculture in south China," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
1991
- M. Siobhan Fennessy, "Ecosystem development in restored riparian wetlands," Ph.D. Dissertation, Environmental Biology Program, The Ohio State University. Advisor: William J. Mitsch
- Craig D. Brechbuhler, "Diel summer dissolved oxygen patterns in two pools of the Ohio River - importance of phytoplankton primary productivity and river flow conditions," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
- Courtenay N. Willis, "Effects of hydrologic and nutrient variability on emergence and growth of aquatic macrophytes," Master's Thesis, Environmental Biology Program, The Ohio State University. Advisor: William J. Mitsch
- Nis Peter Christensen, "Ecosystem models of the Des Plaines River experimental wetlands" M.S., Chemical Engineering, Technical University of Denmark, Copenhagen DENMARK Advisor: S.E. Jørgensen
1990
- Brian C. Reeder, "Primary productivity, sedimentation, and phosphorus cycling in a Lake Erie coastal wetland," Ph.D. Dissertation, Environmental Biology Program, The Ohio State University. Advisor: William J. Mitsch
1989
- Doreen Madelene Robb (Vetter), "Diked and undiked freshwater coastal marshes of Western Lake Erie," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
- Kimberly B. Baker, "Modelling the fate of iron in a wetland receiving mine drainage," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
- Julie Kay Cronk, "A model of the Ohio River oil spill of 1988" Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
1988
- Teresa Cavanaugh (Donkin), "Water quality trends of the upper Ohio River, 1977-1987," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch
- M. Siobhan Fennessy, "Reclamation of acid mine drainage using a created wetland: exploring ecological treatment systems," Master's Thesis, School of Natural Resources, The Ohio State University. Advisor: William J. Mitsch

UNDERGRADUATE STUDENTS (10)

- 2001
- *Katherine E. Kleber "Fish population and movement within planted and naturally colonizing experimental wetlands, autumn 2000." Natural Resources, advisor D. Johnson
1998
- *Erika A. Filippi "The role of soil organic matter on denitrification potential in newly created wetlands." Natural Resources, advisor: W. Mitsch
- *Bonnie F. Elfritz "A comparison of natural wetlands with a constructed wetland using the Floristic Quality Assessment Index" Natural Resources, advisor: S. Fennessy
1997
- *Kimberly K. Schamp (Taylor) "Groundwater patterns before and after wetland construction at the Olentangy River Wetland Research Park." Natural Resources, advisor: W. Mitsch
- *Nicole L. Vorwerk "Comparison of three years of pH values between planted and unplanted wetlands at the Olentangy River Wetland Research Park" Natural Resources, advisor: W. Mitsch
- *Rainie D. Gardner "Fish recruitment in the Olentangy River constructed wetlands." Natural Resources, advisor: D. Johnson

1996

*Tonya Cheek "Effect of fish on wetland water quality" Natural Resources, advisor: D. Johnson

1995

*Andrew W. Wehr "Early water quality of created wetlands at the Olentangy River Wetland Research Park." Natural Resources, advisor: W. Mitsch

1992

*Michael E. Berkal "Hydrology and water chemistry of the Olentangy River in Worthington (Franklin County), Ohio, and their potential effects on a future constructed wetlands facility downstream in Columbus, Ohio." Natural Resources, advisor: W. Mitsch

Douglas G. Stuart "Intensive water quality sampling in two constructed riparian wetlands." Natural Resources, advisor: W. Mitsch