

## Biographical Sketch - John K. Koches

Associate Research Scientist  
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### Professional Preparation

Grand Valley State University	Environmental Sciences	B.S. (with High Honors)	1973
Miami University	Environmental Sciences	M.S. (with Honors)	1975

### Appointments

1988-present. Associate Research Scientist, Annis Water Resources Institute, Grand Valley State University

1974-1988. Senior Program Manager, West Michigan Shoreline Regional Development Commission

### Publications

#### *Five most closely related publications*

Wiley, M.J., D.W. Hyndman, B.C. Pijanowski, A.D. Kendall, C. Riseng, E.S. Rutherford, S.T. Cheng, M.L. Carlson, J.A. Tyler, R.J. Stevenson, P.J. Steen, P.L. Richards, P.W. Seelbach, J.K. Koches, and R.R. Rediske. 2010. A Multi-Modeling Approach to Evaluating Climate and Land Use Change Impact in a Great Lakes River Basin. *Hydrobiologia* 657(1): 243-262.

Wiley, M. J., B.C. Pijanowski, R.J. Stevenson, P. Seelbach, P. Richards, C. M. Riseng, D. W. Hyndman, and J. K. Koches. 2008. Integrated Modeling of the Muskegon River. (ed. Wei Ji) *Wetland and Water Resources Modeling and Assessment: A Watershed Perspective*, CRC Press, p. 247-258.

De Mol, N., (ed. J. K. Koches). 2008. Muskegon River Watershed Education Project – Final Report. *Annis Water Resources Institute, Grand Valley State University*, TM 2008-1.

De Mol, N., (ed. J. K. Koches). 2007. Update to the Muskegon River Watershed Management Plan – Implementation Tasks and Evaluation Addendum to MR 2002-4. *Annis Water Resources Institute, Grand Valley State University*.

U'Ren, S., (ed. J. K. Koches). 2002. Muskegon River Watershed Management Plan. *Annis Water Resources Institute, Grand Valley State University*, MR 2002-4.

#### *Five other significant publications*

Denning, R.L., (ed. J. K. Koches). 2010. Landscape Level Functional Wetlands Assessment Lower Grand River Watershed. *Annis Water Resources Institute, Grand Valley State University*, MR2010-2.

VanderMolen, J., A. Ferguson, and J.K. Koches. 2010. Recommendations for a West Michigan Water Quality Index. *Annis Water Resources Institute, Grand Valley State University*, MR 2010-4.

Stevenson, R., M.J. Wiley, S. H. Gage, V. L. Lougheed, C. M. Riseng, P. Bonnell, T. M. Burton, R. A. Hough, D. W. Hyndman, J. K. Koches, D. T. Long, B. C. Pijanowski, J. Qi., A. D. Steinman, and D. G. Uzarski. 2008. Watershed Science: Essential Complex, Multidisciplinary and Collaborative. (ed. Wei Ji) *Wetland and Water Resource Modeling and Assessment: A Watershed Perspective*, CRC Press, p. 231-245.

Denning, R.L., (ed. J.K. Koches). 2008. Urban Forest Ecological Services Assessment - Summary Report, City of Grand Rapids, Michigan. *Annis Water Resources Institute, Grand Valley State University*.

Denning, R. L., (ed. J.K. Koches). 2008. Critical Lands Mapping Project. *Annis Water Resources Institute, Grand Valley State University, MR 2008-2.*

### **Synergistic Activities**

Co-Chair of the Muskegon Area Sustainability Coalition (2006-present)

Vice-Chair of the Lower Grand River Organization of Watersheds (2007-present)

Member of the Muskegon Lake Partnership (2007-present)

Chair of the West Michigan Community Sustainability Partnership (2009-present)

Chair of the Data, Information, and Procedures Committee – LGROW (2010-present)

### **Current Responsibilities**

Management of AWRI's Information Services Center (ISC), providing oversight for all ISC projects and programs including initiatives in Groundwater Education, Urban Growth Management, Farmland Preservation, and Watershed Management. Duties include proposal writing, report preparation, community outreach, grant and budget administration, and supervision of ISC personnel. Samples of existing and recent ISC Projects include:

- Duck Creek Watershed Management Plan – Muskegon Conservation District 319 Project, 03/10-03/12, \$35,043 (Technical Assistance)
- Crockery Creek – Critical Lands Project – Land Conservancy of West Michigan, 05/10-1/11, \$35,200 (Project Management)
- NOAA Wind Energy Project (Erik Nordman Lead PI) – Michigan Sea Grant , 06/09-04/11, \$222,261 (Technical Assistance)
- Regional Indicator Project – 2009 –West Michigan Strategic Alliance, 12/09-12/10, \$19,500 (Technical Assistance)
- Lower Grand River Watershed Initiatives – Grand Valley Metro Council 319 Project, 02/08-12/10, \$101,676 (Technical Assistance)
- Meijer Trails- Meijer Foundation, 05/09-06/10, \$48,000 (Project Management)
- Teacher's Sustainability Workshop – Muskegon Intermediate School District, 02/10-04/10, \$3,076 (Project Management)
- Lower Grand River Watershed Wetland Initiative - USEPA, 04/07-03/10, \$96,186 (Project Management)
- Regional Indicator Project – 2008 - West Michigan Strategic Alliance, 08/08-12/09, \$34,000 (Technical Assistance)
- Fremont Lake Water Quality Testing Project -FACF, 01/09-11/09, \$45,000 (Project Management)
- White River Watershed Project, 319 Project, 11/06-08/09, \$176,999 (Project Management)
- A Collaborative Approach to Understanding the Dynamics of the Muskegon Watershed: A Comprehensive Model, Risk Assessment and Tools for Use in Management – Great Lakes Fishery Trust, 3/01 – 4/09, Total \$1.2 million – AWRI \$371,622 (Project Management)
- Rogue River Watershed Update, 319 Project, 11/06-10/08, \$12,643 (Technical Assistance)
- Muskegon River Watershed Critical Area Mapping – FACF, 10/07-09/08, \$26,000, (Project Management)
- City of Grand Rapids City Green Project – JJR Inc., 06/08-08/08, \$15,000 (Technical Assistance)
- Buck Creek Watershed Project, 319 Project, 03/05-12/07, \$33,624 (Technical Assistance)
- Muskegon River Watershed Education, CMI Project, 09/05-09/06, \$70,277 (Technical Assistance)
- Forestland Evaluation, USDA/MDNR Project, 11/05-12/06, \$30,000 (Project Management)
- Sand Creek Watershed Project, CMI Project, 04-06, \$135,047 (Project Management)
- Muskegon River Watershed Transition Grant, 319 Project, 09/04-03/06, \$169,946 (Project Management)
- Lower Grand River Watershed Project, 319 Project, 5/02-4/04, \$164,830 (Project Management)
- Coldwater River Watershed Project - Coldwater River Watershed Council, 3/02-2/03, \$66,249 (Project Management)