

SCHOOL OF PUBLIC AND ENVIRONMENTAL AFFAIRS

NAME: Clark, Melissa Ann Laney

EDUCATION:

1998 – 1999 Indiana University, Bloomington, Indiana
School of Public and Environmental Affairs
Masters in Applied Ecology

1992-1996 Indiana University, Bloomington, Indiana
School of Public and Environmental Affairs
Bachelor of Science in Public Affairs, Minor in Geology

ACADEMIC APPOINTMENTS:

2006 – present Lecturer, Indiana University, Bloomington, Indiana
School of Public and Environmental Affairs

2003 – 2006 Visiting Lecturer, Indiana University, Bloomington, Indiana
School of Public and Environmental Affairs

2000 – 2003 Adjunct Faculty, Indiana University, Bloomington, Indiana
School of Public and Environmental Affairs

1999 – 2000 Teaching Assistant, Indiana University, Bloomington, Indiana
School of Public and Environmental Affairs
B364 Summer Flowering Plants
E455 Limnolgy
E546 Stream Ecology

OTHER APPOINTMENTS AND PROFESSIONAL CONSULTANTSHIPS:

2000 – Present Limnology Laboratory Project Manager and Quality Control Officer, Indiana University, Bloomington, Indiana, School of Public and Environmental Affairs & Indiana Department of Environmental Management (IDEM) Clean Lakes Program (CLP) & Lake and River Enhancement Watershed Studies (LARE). In addition, Watershed Diagnostic Studies for multiple Soil and Water Conservation Districts and jointly conducted projects with J.F. New & Associates, Inc. Lake Lemon Annual Water Quality Monitoring for the Lake Lemon Conservancy District. Sedimentation Survey for City of Bloomington Parks and Recreation.

Train CLP and LARE graduate students for field sampling and laboratory analysis. Managed and oversaw 6 graduate students to ensure compliance with Quality Assurance and Quality Control Plan. 2007 sampling season offered new EPA training and managed the National Lake Assessment field crews.

These projects have incorporated field analysis such as stream and lake

water quality sampling, stream discharge, multi-habitat macroinvertebrate picks, fish surveys, and riparian corridor evaluations including both Qualitative Habitat Evaluation Index (QHEI) and Rapid Bioassessment Protocols Habitat Assessment and Physicochemical Parameters (EPA). Laboratory responsibilities have involved analyzing water quality samples, identifying macroinvertebrates and plankton. Compiled Geographic Information Systems (GIS) maps for various watershed studies including land use and land cover data and Highly Erodible Lands (HELs) data.

Also as Laboratory Manager, facilitation and coordination of SPEA's shared laboratory space among the multiple users: Forest Ecology, Limnology, Stream Ecology, Lake & Watershed Management, Environmental Chemistry, and Techniques in Environmental Sciences.

2006 Manager/trainer for the Environmental Protection Agency's National Lake Assessment for Indiana.

TEACHING ASSIGNMENTS:

2000 – Present E162 Environment and People (21 courses, 9 years)
S162 Environment and People- Honors (2 3 courses, 2 years)
E360 Introduction to Water Resources (1 course, 1 year)
E363 Environmental Management (4 courses, 3 year)
E442 Terrestrial Habitat Analysis (7 courses, 7 years)
E443 Aquatic Habitat Analysis (8 courses, 8 years)
E475 Techniques in Environmental Sciences (2 courses)
Substitute Teaching: E455 Limnology – lecture and laboratory (6 years)
E546 Stream Ecology – laboratory (6 years)

PEDAGOGY:

2008 Active Learning Grant – not awarded, but adopted project anyways:
Developed a full scale watershed experience on campus for E162 Environment and People

2009 Sustainability Course Development Fellowship – Awarded
E400 Environmental Sustainability

SERVICES:

2009 Academic Fairness Committee

2009 Faculty Search Committee
Environmental Technology, Lecturer

2009 Campus Sustainability Advisory Board Working Groups
Academic Initiatives
Environmental Quality/Land Use

2009 – Present Internship Supervisor
Millers-Shower Park Internship (City of Bloomington)
Bryan Park Creek Internship (City of Bloomington)

Jordan River and Rainwater Harvesting Internship (IU)
Jordan River Watershed Diagnostic Study Internship (IU)

- 2008 – Present SPEA Honors Student Faculty Advisor
2008, Ali Keener – Stormwater Runoff in an Urban Environment:
An Analysis of Best Management Practices in Cities
2009, Marguerite Huber – Bottled Water Industry and Environmental
Impacts (in progress)
- Spring 2008 Leonard’s Spring Field Day – Field trips that City of Bloomington Parks and
Recreation provides for all 6th graders in Monroe County
Community School Corporation. I taught at the stream ecology station.
- Summer 2006 Faculty supervisor – Independent study/internship researching applied
ecological systems solutions
- Fall 2005 MSES Revitalization – Marketing Committee
- 2004 – Present Indiana Public Research Interest Group (INPIRG) faculty advisor
Campaigns: Waste reduction in IU food courts and dining halls; Get
out the vote
- 1999 – Present Informal counseling for undergraduate students, in general and for BSES
Senior Research Projects

PROFESSIONAL ACTIVITIES:

- 2009 – Present Bloomington Commission on Sustainability, City of Bloomington
- Spring 2009 63rd Annual Indiana University Business Conference: The 21st Century
Perfect Storm: Health Care, Energy, and the Environment; Indianapolis,
Indiana
- Fall 2009 9th Annual U.S. Green Building Council’s Greenbuild International
Conference and Expo; Phoenix, Arizona
- 2005 – Present Environmental Resources Advisory Council, City of Bloomington, Parks
and Recreation
- Fall 2008 28th International Symposium of the North American Lake Management
Society, Lake Louise, Alberta, Canada; Presenter
- Fall 2007 8th Annual U.S. Green Building Council’s Greenbuild International
Conference and Expo; Chicago, Illinois
- 2006 - 2007 Ecognosis, Inc. – board member – an education and research nonprofit
dedicated to developing cooperative, systems-thinking approaches to
applied ecology.
- Fall 2006 26th International Symposium of the North American Lake Management

Society, Indianapolis, IN – Session Chair for Exotic and Invasive Species Technical Session.

- Spring 2005 18th Annual National Conference: Enhancing the States' Lake Management Programs, Chicago, IL
- Fall 2005 25th International Symposium of the North American Lake Management Society, Madison, WI
- 2001 - 2005 Indiana Lakes Management Annual Conference
- Fall 2004 24th International Symposium of the North American Lake Management Society, Victoria, BC, Canada
- 1998 – 2004 Indiana University, Bloomington, Indiana
Center for the Study of Institutions, Population and Environmental Change
International Forestry and Resources Institute (IFRI) – annual workshops
Botanist – helped lead groups through international field sampling techniques

REPORTS:

- Clark, M.L. and W.W. Jones. 2000. *Lake Lemon Annual Monitoring Report for 1999*. Prepared for the Lake Lemon Conservancy District, Unionville, IN., 26pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark, M.L. and W.W. Jones. 2002. *Lake Lemon Annual Monitoring Report for 2001*. Prepared for the Lake Lemon Conservancy District, Unionville, IN., 30pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark, M.L. and W.W. Jones. 2003. *Lake Lemon Annual Monitoring Report for 2002*. Prepared for the Lake Lemon Conservancy District, Unionville, IN., 32pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark, M.L. and W.W. Jones. 2004. *Lake Lemon Annual Monitoring Report for 2003*, Prepared for the Lake Lemon Conservancy District, Unionville, IN. 34pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark M.L. and W.W. Jones. 2005. *Griffy Lake Sedimentation Survey*, Prepared for the City of Bloomington, Parks and Recreation Department, Bloomington, IN. 100pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark, M.L. and W.W. Jones. 2005. *Lake Lemon Annual Monitoring Report for 2004*, Prepared for the Lake Lemon Conservancy District, Unionville, IN. 32pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.

- Clark, M.L. and W.W. Jones. 2006. *Lake Lemon Annual Monitoring Report for 2005*, Prepared for the Lake Lemon Conservancy District, Unionville, IN. 37pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark, M.L. and W.W. Jones. 2007. *Lake Lemon Annual Monitoring Report for 2006*, Prepared for the Lake Lemon Conservancy District, Unionville, IN. 32pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark, M.L. and W.W. Jones. 2008. *Lake Lemon Annual Monitoring Report for 2007*, Prepared for the Lake Lemon Conservancy District, Unionville, IN. 26pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Clark, M.L. and W.W. Jones. 2009. *Lake Lemon Annual Monitoring Report for 2008*, Prepared for the Lake Lemon Conservancy District, Unionville, IN. 34pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.
- Giolitto, M., S. Peel, C. Sawatzky, W. W. Jones, M.L. Clark, J. Hosier, and T. Wilson. 2003. *Valparaiso Lakes Watershed Diagnostic Study*. Prepared for Valparaiso Lakes Area Conservation District, Valparaiso, IN. Prepared with JFNew & Associates, Inc., Walkerton, IN., 232pp.
- Giolitto, M., S. Peel, W.W. Jones, M.L. Clark. 2004. *Little Blue River Watershed Diagnostic Study*, Newton and Jasper County, IN. Prepared for Shelby and Rush County Soil and Water Conservation Districts, Morocco, IN. Prepared with JFNew & Associates, Inc., Walkerton, IN., 230 pp.
- Giolitto, M., S. Peel, W.W. Jones, M.L. Clark. 2004. *Ridinger Lake Diagnostic Study*, Kosciusko and Whitley counties, IN. Prepared for Barbee Lakes Property Owners Association. Prepared with JFNew & Associates, Inc., Walkerton, IN., 184 pp.
- Ewoldt, B. W.W. Jones, M.L. Clark, T. Derheimer, M. Rojas and others. 2009. *Yellow Creek Lakes Diagnostic Study*. Prepared for Diamond Lake, Loon Lake, Beaver Dam Lake and Yellow Creek Lake Conservation Clubs and Indiana Department of Natural Resources. J.F. New & Associates, Inc., Walkerton, IN. 336 pp.
- JFNew. 2006. *Blue Lake Diagnostic Study*. Prepared for Blue Lake Association, Churubusco, Indiana and Indiana Department of Natural Resources, Division of Fish and Wildlife, Indianapolis, Indiana. 203pp. (Prepared with S. Peel, W.W. Jones, J. Richardson, M. Prankus, B. Ewoldt and M.L. Clark)
- JFNew. 2006. *Five Lakes Watershed Management Plan*. Prepared for Five Lakes Conservation Association, Wolcottville, Indiana and Indiana Department of Environmental Management, Indianapolis, Indiana. (Prepared with S. Peel, W.W. Jones, J. Richardson, M. Prankus, B. Ewoldt and M.L. Clark)
- JFNew. 2006. *Lilly and Little Duck Creek Water Quality Report*. Prepared for Madison County Soil and Water Conservation District, Anderson Indiana and Indiana Department of Environmental Management, Indianapolis, Indiana. (Prepared with S. Peel, W.W. Jones, J. Richardson, M. Prankus, B. Ewoldt and M.L. Clark)

- JFNew. 2006. *Pleasant and Riddles Lakes Watershed Diagnostic Study*. Prepared for Lakeville Business Owners Association, Lakeville, Indiana and Indiana Department of Natural Resources, Division of Fish and Wildlife, Indianapolis, Indiana. 290pp. (Prepared with S. Peel, W.W. Jones, J. Richardson, M. Pranckus, B. Ewoldt and M.L. Clark)
- JFNew. 2007. *Draft Palestine Lake Watershed Diagnostic Study*. Prepared for Palestine Lake Property Owners Association and Indiana Department of Natural Resources, Division of Fish and Wildlife, Indianapolis, Indiana. (Prepared with S. Peel and W.W. Jones, M.L. Clark, and T. Derheimer)
- JFNew. 2007. *Pretty Lake Diagnostic Study*. Prepared for Pretty Lake Conservation Club, Wolcottville, Indiana and Indiana Department of Natural Resources, Division of Fish and Wildlife, Indianapolis, Indiana. (Prepared with S. Peel, W.W. Jones, J. Richardson, M. Pranckus, B. Ewoldt and M.L. Clark)
- JFNew. 2007. *Wawasee Area Watershed Management Plan*. Prepared for Wawasee Area Conservancy Foundation and Indiana Department of Natural Resources, Division of Fish and Wildlife, Indianapolis, Indiana. (Prepared with S. Peel, W.W. Jones, J. Richardson, M. Pranckus, B. Ewoldt and M.L. Clark)
- JFNew. 2008. *Palestine Lake Watershed Diagnostic Study*. Prepared for Palestine Lake Property Owners Association and Indiana Department of Natural Resources, Division of Fish and Wildlife, Indianapolis, Indiana. (Prepared with S. Peel and W.W. Jones, M. Clark, and T. Derheimer)
- Jones, W.W., M.L. Clark and S. Peel. 2001. *Lake Greenwood Diagnostic Study* - final report submitted to SAIC, Inc. documenting results of our lake and watershed analysis and including recommendations for addressing problems identified, 98 pp.
- Peel, S., M. Giolitto, C. Sawatzky, W. Jones, M.L. Clark. 2003. *Curtis Creek Watershed Diagnostic Study*. Prepared for Newton County Soil and Water Conservation District, Morocco, IN. Prepared for Valparaiso Lakes Area Conservation District. Prepared with JFNew & Associates, Inc., Walkerton, IN., 246pp.
- Richardson, J., Jones, W.W., Clark, M. L., Ewoldt, B., Estrem, T., and Jones, H. 2009. *Pretty Lake Diagnostic Study*. Prepared for Pretty Lake Property Owners Association and Indiana Department of Natural Resources. J.F. New & Associates, Inc., Walkerton, IN. 204 pp.
- Sawatzky, C., W. W. Jones, J. Richardson and M.L. Clark. 2001. *Flat Creek, Griffin Ditch, Fleming Ditch and Somers Creek Watershed Diagnostic Study*, Wells County, IN. Prepared for Wells County Soil and Water Conservation District, Bluffton, IN. Prepared with JFNew & Associates, Inc., Walkerton, IN., 164 pp.
- Sawatzky, C., W. W. Jones, J. Richardson and M.L. Clark. 2001. *Brooks Creek Diagnostic Study*, Jay County, IN. Prepared for Jay County Soil and Water Conservation District, Portland, IN. Prepared with JFNew & Associates, Inc., Walkerton, IN., August 2001, 165 pp.

Sawatzky, C., M. Giolitto, J. Richardson, S. Zimmerman, W. Jones, M.L. Clark, and N. Haxton. 2002. *Upper Mud Pine Creek Watershed Diagnostic Study*. Prepared for Benton County Soil and Water Conservation District, Fowler, IN. Prepared with JFNew & Associates, Inc., Walkerton, IN., 200pp.