

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.

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.

2007 Manager/trainer for the Environmental Protection Agency's National Lake Assessment for Indiana.

TEACHING ASSIGNMENTS:

2000 – Present E162 Environment and People (22 courses, 10 years)
S162 Environment and People- Honors (5 courses, 4 years)
E262 Environmental Problems and Solutions (1 course, 1 year)
E360 Introduction to Water Resources (1 course, 1 year)
E363 Environmental Management (4 courses, 3 year)
E400 Environmental Sustainability (2 courses, 1 year)
E442 Terrestrial Habitat Analysis (9 courses, 9 years)
E443 Aquatic Habitat Analysis (9 courses, 9 years)
E475 Techniques in Environmental Sciences (2 courses)
E455 Limnology (1 course, 1 year)
Substitute Teaching: E455 Limnology – lecture and laboratory (6 years)
E546 Stream Ecology – laboratory (6 years)

PEDAGOGY:

2010 Course Development Institute – specifically focused on restructuring E162 Environment and People.

2010 7th Annual Summer Institute on Service-Learning and Sustainability – presented findings and experiences from E400 Environmental Sustainability, my newly developed service-learning course.

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:

2011 SPEA Teaching and Learning Faculty Group, Steering Committee Member

2011 SPEA Admissions Committee

- 2011 BSES Senior Thesis Faculty Advisor
2011, Melissa LoFaso – Social barriers to community gardens and urban agriculture.
- 2009 – Present Academic Fairness Committee
- 2009 – Present Faculty Search Committee
Environmental Technology, Lecturer
- 2009 – Present Campus Sustainability Advisory Board Working Groups
Academic Initiatives
Environmental Quality/Land Use
- 2009 – Present Internship Supervisor
2009, Millers-Shower Park Internship (City of Bloomington)
2009, Bryan Park Creek Internship (City of Bloomington)
2009, Jordan River and Rainwater Harvesting Internship (IU)
2009, Jordan River Watershed Diagnostic Study Internship (IU)
2010, Lake Lemon Water Quality Monitoring Program (Lake Lemon Conservancy District)
- 2008 – Present SPEA Honors Student Faculty Advisor
2008, Ali Keener – Stormwater Runoff in an Urban Environment: An Analysis of Best Management Practices in Cities
2010, Marguerite Huber – Bottled Water Industry and Environmental Impacts
2011, Emily Kuhn – Sustainable water resource management and women empowerment.
- 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	9 th 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	28 th International Symposium of the North American Lake Management Society, Lake Louise, Alberta, Canada; Presenter
Fall 2007	8 th 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	26 th 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	25 th International Symposium of the North American Lake Management Society, Madison, WI
2001 - 2005	Indiana Lakes Management Annual Conference
Fall 2004	24 th 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. 2011. *Lake Lemon Annual Monitoring Report for 2010*. Prepared for the Lake Lemon Conservancy District, Unionville, IN., 32pp. School of Public & Environmental Affairs, Indiana University, Bloomington, Indiana.

Clark, M.L. 2010. *Lake Lemon Annual Monitoring Report for 2009*. 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. 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. Prankus, 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. Prankus, 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. Prankus, 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.