

Associate Professor,
Community and Regional Planning
Temple University

EDUCATION

PhD (2004) City and Regional Planning, University of Pennsylvania, Philadelphia PA
MBA (1991) Management Science, Iona College, New Rochelle, NY
BS (1984) Mechanical Engineering, Cornell University, Ithaca NY

DISSERTATION

Mandarano, L.A. 2004 “Protecting habitats: New York-New Jersey Harbor Estuary Program. Collaborative planning and scientific information.”

RESEARCH AND TEACHING INTERESTS

- Sustainable communities, environmental planning, regional planning
- Collaborative planning, consensus building, negotiation
- Community development, social capital, social networks

AWARDS

2011 – Temple University, Outstanding Faculty Service Award
2009 – Temple University, General Education Team Teaching Award

ACADEMIC EMPLOYMENT

Temple University, School of Environmental Design, Associate Professor of Community and Regional Planning 2011- Present; Assistant Professor 2005-2011

Courses Taught

Graduate: Planning Communications, Planning Studio. Electives: Collaborative Planning, Environmental Infrastructure Planning and Management, Sustainable Community Design and Development

Undergraduate: Community Planning Analysis. Electives: Sustainable Community Design and Development, Science of Sustainable Design

Other Teaching Experience:

Temple University, Adjunct Assistant Professor, Community and Regional Planning Spring 2005

West Chester University, Adjunct Assistant Professor, Geography and Regional Planning, 2004

University of Pennsylvania, Teaching Assistant, City and Regional Planning, 2002-2004

PROFESSIONAL EMPLOYMENT

d.b.a. The Natural Resource, President and Owner, 1998 - Present

Provide environmental planning and project management services to municipal, private and non-profit organizations. Certified woman-owned business enterprise.

Department of General Services, Commonwealth of Pennsylvania, Special Assistant to the Deputy Director of Public Works, 2004-2005

Developed Best-Value-Contracting policy for the Bureau of Public Works' construction program. For the Minority, Women-owned and Disadvantages Business program revamped procurement policy to facilitate more participation by such enterprises in Public Work's construction contracts.

United Water Services, Harrington Park, NJ, Director of Project Development, 1997 - 1998

Conducted economic, technical and risk analyses, managed proposal development, led due diligence and provided on-site management services for municipal- and industrial-owned water and wastewater treatment facilities including the firm's largest wastewater privatization contract: 10-year, \$1.1 Million Metropolitan Milwaukee Sewer District.

Malcolm Pirnie, Inc., White Plains, NY, 1987 - 1997

Senior Project Engineer,

Managed national and international solid waste management projects and international business development program.

Regional Marketing Manager,

Managed business development for the firm's largest marketing region.

Project Engineer,

Developed permit documents, environmental impact statements and analyses for a range of solid waste management projects.

Omega Engineering, Stamford, CT, Applications Engineer 1986 - 1987

Meyer, Strong and Jones, PC, New York, NY, HVAC Design Engineer 1985 - 1986

PEER REVIEWED PUBLICATIONS

Mandarano, L. and K. Paulsen. Forthcoming in 2011. "Governance Capacity of Collaborative Watershed Partnerships: Evidence from the Philadelphia Region." *Journal of Environmental Planning and Management*.

Mandarano, L. 2011. "Clean Waters Clean City: Sustainable Stormwater Management in Philadelphia" in *Sustainability in America's Cities: Creating the Green Metropolis*, ed., Matt Slavin. Island Press. ISBN 978-1-59726-742-7.

Mandarano, L., M. Meenar, and C. Steins. 2010. "Building Social Capital in the Digital Age of Civic Engagement." *Journal of Planning Literature*, 25:2, 123-135, November 2010. DOI: 10.1177/0885412210394102

Mandarano, L. 2010. "Sustainable Land-use Planning: revitalizing a flood prone office park." *Journal of Environmental Planning and Management*, 53:2, 183-196. DOI: 10.1080/09640560903529584

Mandarano, L. 2009. "Social Network Analysis of Social Capital in Collaborative Planning." *Society and Natural Resources*, 22:3, 245-260, March 2009. DOI: 10.1080/08941920801922182

Mandarano, L. 2008. "Evaluating Collaborative Environmental Planning Outputs and Outcomes: Restoring and Protecting Habitat and the New York New Jersey Harbor Estuary Program." *Journal of Planning Education and Research*, 27:4, 456-468, May 2008. DOI: 10.1177/0739456X08315888

Mandarano, L., J. Featherstone and K. Paulsen. 2008. "Institutions for Interstate Water Resources Management." *Journal of American Water Resources Association*, 44:1, 136-147, February, 2008. DOI: 10.1111/j.1752-1688.2007.00143.x

NON PEER-REVIEWED PUBLICATIONS

BOOK REVIEWS

Mandarano, L. 2009. "The Living Landscape", second edition and "The Fundamentals of Land Development" in *Journal of Planning and Education Research*. Summer (June) 2009.

PROCEEDINGS

Hankins, K., Welker, A.L., and Mandarano, L. 2008. "An Integrated Monitoring Plan for BioInfiltration BMPs," The Proceedings of Association of Civil Engineers, GeoCongress 2008, March 9-12, New Orleans, LA.

RESEARCH REPORTS

Mandarano, L. (Ed.) 2010. Sustainable 19125 Performance Measures Study. Report prepared on behalf of the Temple University Center for Sustainable Communities' research project for New Kensington Community Development Corporation. September 24, 2010.

Mandarano, L. 2009. Upper Moreland School District Stormwater Management Plans and Curriculum Materials. Report prepared for the Temple University Center for Sustainable Communities' research project for the Upper Moreland School District. June 30, 2009.

Mandarano, L. 2009. Opportunities for Partnerships, Courses and Research in San Pablo, Ecuador: Report for Field Visit to San Pablo, Ecuador. Prepared for Rotary District 7510 and Temple University's Department of Community and Regional Planning and Center for Sustainable Communities. January 22, 2009.

Mandarano, L. 2008. T-VSSI Evaluation Survey Summary Report. Prepared for the Center of Sustainable Communities' Temple-Villanova Sustainable Stormwater Initiative. October 27, 2008.

Mandarano, L. (Ed.). 2008. Fort Washington Area Flooding and Transportation Improvement Study. Prepared for the Center for Sustainable Communities' research project for Upper Dublin Township, PA. August 3, 2008.

Mandarano, L. (Ed.). 2007. Integrated Monitoring Plan. Prepared for the Center for Sustainable Communities' Temple-Villanova Sustainable Stormwater Initiative. October 30, 2007.

PROFESSIONAL REPORTS

Public Works Request for Proposals Process Guidelines, 2005. Prepared for the Department of General Services, Public Works, Harrisburg PA. Author. www.dgs.state.pa.us

Public Works Standard Request for Proposals for Multiple Prime Contractors for Construction, 2005. Prepared for the Department of General Services, Public Works, Harrisburg PA. Author. www.dgs.state.pa.us

A Planning Framework to Rebuild Downtown New York. A Draft Report of the Civic Alliance to Rebuild Downtown, 2002. Funded and prepared for the Civic Alliance to Rebuild Downtown a division of the Regional Planning Association, New York NY. Co-author. www.civic-alliance.org

Strategic Plan. A Draft Report, 2000. Funded and prepared for the Office of Watersheds of the Philadelphia Water Department, Philadelphia PA. Author.

Stormwater Strategies Community Responses to Runoff Pollution, 1999. Natural Resources Defense Council, New York, NY. Volunteer Researcher/Writer. www.nrdc.org

Effectiveness and Efficiency Master Plan, 1998. Funded and prepared for the Birmingham Water Works Board, Birmingham AL. Co-author.

Atlanta Waterworks Privatization. Assessment of the procurement process and contractor performance. 1998. Funded and prepared for Malcolm Pirnie, Inc, White Plains, NY. Co-author.

Baseline Facility Audit of the Milwaukee Wastewater Treatment and Collection Systems, 1998. Prepared for the Milwaukee Metropolitan Sewerage District, Milwaukee WI. Author.

Draft New York State Environmental Impact Statement for a Construction and Demolition Debris Landfill, 1997. Prepared for the Palumbo Sand and Gravel Mine Co, NY. Co-author.

Revisions to the Freshkills Landfill Gas Management Plan and Post Closure Plan, 1997. Prepared for the New York City Department of Sanitation. Author.

MULTI-MEDIA

“Sustainable Cities.” WVOX 1460 AM. *Rise Up*, with host Jim Killoran, President, Habitat for Humanity Westchester County, NY. October 7, 2009.

“Smokey Mountain Landfill Reclamation, Manila Philippines.” Video. Malcolm Pirnie, Inc. 1997. Filmed video footage on location, co-authored script and assisted with editing.

CONFERENCE AND MEETING PARTICIPATION

American Association of Geographers, Annual Meeting

Co-author: “Floods, Drought and Flexible Flows on the Delaware River.” Presenter: Robert Mason, Temple University. Seattle, WA, April 15, 2011.

Presenter: “Regional Habitat Protection Planning in the New York-New Jersey Harbor Estuary.” Philadelphia PA, March 18, 2004.

American Planning Association, Chapter Conference

Attendee: Harrisburg, PA, October 5-6, 2006

American Planning Association, National Conference

Organizer and Leader: Mobile Workshop of the Temple-Villanova Stormwater Initiative’s at the Pennypack Ecological Restoration Trust. Philadelphia, PA. April 16, 2007.

American Society of Civil Engineers, GeoCongress

Paper: “An Integrated Monitoring Plan for BioInfiltration BMPs.” Presented by co-author Hankins, K. New Orleans, LA, March 9-12, 2008.

American Water Resources Association, Annual Conference

Presenter: “Trust, Learning and Success in Regional Watershed Partnerships.” Presentation of pilot study results. New Orleans, LA, November 19, 2008.

Association of Collegiate Schools of Planning, Annual Conference

Presenter: “Conflict, Uncertainty and Adaptive Management on the Delaware River.” Co-author: Robert Mason, Temple University. Salt Lake City, UT, October 13, 2011

Presenter: “Social and Environmental Outcomes of Watershed Partnerships.” Presentation of final results. Crystal City VA, October 1, 2009.

Presenter: “Stakeholder Trust and Learning in Regional Watershed Partnerships.” Presentation of preliminary research results. Chicago IL, July 11, 2008.

Participant: “Roundtable on the Future of ADR in Planning Process Research & Education: Engaging the Next Generation of Scholar/Practitioners and Researchers.” Chicago IL, July 10, 2008

Presenter: “Learning, Innovation and Power in Collaborative Environmental Management.” Milwaukee WI, October 18, 2007.

Presenter: “Building Social Capital: Social Network Analysis and the New York New Jersey Harbor Estuary Program.” Fort Worth TX, November 11, 2006.

Presenter: “Regional Collaborative Planning. Habitat Protection and the New York-New Jersey Harbor Estuary Program.” Kansas City MO, October 27, 2005.

Presenter: “The New York-New Jersey Harbor, Estuary, Watersheds and Open Space.” Baltimore MD, November 2002.

Pennsylvania Stormwater Management Symposium

Manager: Call for projects and selection of projects for award through the 2009 Stormwater BMP Recognition Program. Villanova University PA, October 14, 2009.

Co-author: “Developing an Integrated Monitoring Plan for Best Management Practices.” Presenter: Krista Hankins. Villanova University PA, October 17, 2007.

Temple University

Organizer: “Funding Opportunities for Green Infrastructure,” workshop featuring James Creedon, Chief American Reinvestment and Recovery Act Implementation Officer and Secretary Department of General Services, Commonwealth of Pennsylvania. Ambler, PA, March 29, 2010.

Organizer: Cultural Affairs lecture featuring Mark Alan Hughes, Office of the Mayor of Philadelphia, Director of Sustainability. Ambler, PA. October 15, 2008.

Presenter: “Temple-Villanova Sustainable Stormwater Initiative.” Ambler, PA. April 13, 2006.

Urban Affairs Association

Co-author: “The role of community based organizations in network sustainability governance.” Presenter: Robert Stokes, Drexel University. New Orleans, LA March 16, 2011.

Urban Sustainability Forum

Inter-university Committee Organizer: One-day Workshop on Sustainable Infrastructure for the City of Philadelphia, Hahnemann Hospital Philadelphia and Academy of Natural Sciences, Philadelphia PA. June 19, 2008.

Moderator and Organizer, Panel Discussion on Sustainable Land-Use. Academy of Natural Sciences, Philadelphia PA. April 20, 2006.

University of Pennsylvania,

The Penn Urban Doctoral Symposium.
Honoree. Philadelphia PA. May 14, 2004

Graduate School of Design

Presentation: “The Meaning of Place – The World Trade Center. A Personal Experience of Loss and Considerations for Site Redevelopment and a Memorial.” Philadelphia PA. October 2001.

Schuylkill Action Network and Partnership for the Delaware Estuary Program Joint Meeting

Presentation: “T-VSSI Public Outreach Program and Regional BMP Survey in Southeastern Pennsylvania.” Norristown, PA. June 5, 2007.

Society of Women Engineers, Annual Conference

Poster Presentation: “Reclaiming Land for Urban Redevelopment at the Smokey Mountain Landfill, Manila, Philippines.” Portland OR, 1997.

INVITED LECTURES

Guest Lecturer, “Public Participation and Negotiation Role Simulation.” CRP 8014 Planning Politics and Administration. February 22, 2010. Department of Community and Regional Planning, Ambler College, Temple University.

Guest Lecturer, “Citizen Participation in Planning Process.” SOC 470 Planning and Social Change. January 25, 2010. Department of Sociology, College of Arts and Sciences, Drexel University.

Guest Lecturer, “Public Participation.” CRP 8014 Planning Politics and Administration. February 16, 2009. Department of Community and Regional Planning, Ambler College, Temple University.

Guest Lecturer, “Sustainable Stormwater Best Management Practices.” LA00 Natural and Built Environments. October 31, 2006. Department of Landscape Architecture, Ambler College, Temple University.

GRANTS AND CONTRACTS

Principle Investigator, *Sustainable 19125 Environmental Performance Measures*. Contract value: \$19,960; 2010. New Kensington Community Development Corporation. As Principle Investigator for the Sustainable 19125 Performance Measures Study, I manage the evaluation of the Sustainable 19125 initiative, which has implemented programs including weatherization, CFL distribution, rain barrel distribution and tree planting. The CSC team is estimating the environmental impacts of these projects including energy usage reduction, carbon emissions reduction, carbon sequestration and stormwater reduction. The paper will report the environmental outcomes of Sustainable 19125 and the social outcomes of using a cadre of trained Green Block Captains to facilitate the implementation of the various initiatives.

Lead Author, Start-up Funds. Grant \$40,000; March 2010-February 2011. Claneil Foundation. As the Chair of the Resource Development Committee I prepared a grant requesting start-up funds and funds to hire a part-time Managing Director for Green Village Philadelphia.

Lead Author, Start-up Funds. Grant \$10,000; January 2010 – December 2010. Fels Foundation. As the Chair of the Resource Development Committee I prepared a grant requesting start-up funds and funds for Green Village Philadelphia.

Principle Investigator, *Opportunities for Partnerships, Courses and Research in Ecuador*. Contract value \$5,000; AY 2008/2009. Jointly funded by Rotary International's Branchburg Club and New Jersey District 7510 and Ambler College. The research contract entailed conducting a field trip to the Rotary's Home of Hope project in San Pablo, Ecuador to determine the potential for the Department of Community and Regional Planning and Center for Sustainable Communities to develop international courses and research projects as well as partnerships with local universities and nonprofit organizations. Over the course of AY2008-2009, Dr. Mandarano supervised two graduate students who were contracted by the Rotary to prepare sustainable development plans in fulfillment of the department's master's project requirement.

Principle Investigator. *Philadelphia Regional Watershed Partnership Study*

- Pilot Study funded by the Temple University Junior Faculty Grant Program: \$15,800. AY2008-2009. The pilot study entailed developing and conducting a web-based survey of participants in one of the six regional watershed partnerships.
- Full Study of the five remaining partnerships evaluated correlations between process, educational opportunities, learning, and social capital variables and environmental outcomes.

Co-Investigator, *Temple-Villanova Sustainable Stormwater Initiative* Grant value: \$440,000; 2005-2007. William Penn Foundation Lead author of proposal. Responsibilities include lead development of integrated monitoring plan, establish and convene Outreach Advisory Committee, develop and launch survey of regional stormwater best management practices, create a regional database of model BMP projects. Project currently funded through a third grant.

Co-Principle Investigator, *Upper Moreland School District Sustainable Stormwater Management and Curriculum*. \$40,000 Claneil Foundation Grant 2008-2009. Conducted preliminary site visits to campuses to identify potential stormwater management projects, prepared support material for curriculum development and authored final report.

Co- Investigator *Fort Washington Area Flooding and Transportation Improvement Study*. Contract Value: \$420,000: 2006-2008. Delaware Valley Regional Planning Commission on behalf of Upper Dublin Township. Co-author of proposal. Responsibilities included leader of sustainable design charrettes and public outreach efforts, coordinator the development of the recommendations comprising the redevelopment plan and editor of final report.

Research Assistant, University of Pennsylvania, conducted a study of the local Philadelphia housing services community using social network analysis to assess their patterns of communications and information exchange. Funded by the Fannie Mae Foundation.

Research Assistant, University of Pennsylvania, prepared an annotated bibliography of literature concerning organizational learning, community learning and technology transfer.

DISSERTATIONS, THESES AND MASTER PROJECTS SUPERVISED

- Anna Boisnic, Joe Geib, Colleen Kelly, Nina Morris, Sujin Park and Brent Weaver (Master Project Advisor), May 2009; Brian Tinneney August 2009
- Alice Walters and Mari Radford (Master Project Advisor), December 2008
- Allison Hamilton (Master Project Advisor), December 2007
- Jennifer Rezeli (Master Project Advisor), June 2007
- Amy M.M.P. Hurley (Master Project Advisor), May 2007
- Ann Waters (Master Project, Co-Advisor), May 2007

SERVICE

UNIVERSITY, COLLEGE AND DEPARTMENT

- International Educators Academy, February – September 2010.
- Founding Co-chair and Department representative, Ambler Campus Sustainability Council. February 2007 – May 2009.
- Member, School of Environmental Design (formerly Ambler College) Curriculum Committee, September 2006 – present.
- Sustainability Ambassador to the Director of Sustainability, September 2008 – present.
- Member, President Hart's Sustainability Task Force, June 2007– June 2008.
- Member, Department of Community and Regional Planning's Faculty Search Committee, November 2006 – March 2007.
- Member, Department of Community and Regional Planning's Chair Search Committee, September 2005 – January 2006.
- General Education
 - Co-author, of a course proposal "Sustainable Design: Focus on Philadelphia." General Education Executive Committee approval July 2006.
 - Co-author, of a course proposal "Urban Dynamics: Global, Regional and Local Contexts." General Education Executive Committee approval May 2006.

PROFESSIONAL SERVICE

Journal Referee:

Ecology and Science

Environmental Politics

Journal of Environmental Management

Lynn A. Mandarano, Ph.D., P.E.

Journal of Environmental Planning and Management
Journal of Planning Education and Research
Journal of Planning Literature
Society and Natural Resources

COMMUNITY SERVICE

- Board Member and Chair, Educational Programs Committee (formerly Chair of the Resource Development Committee), Green Village Philadelphia, March 2009 – December 2010.
www.greenvillagephiladelphia.org
- Member, Steering Committee for the Urban Sustainability Forum for a Sustainable Philadelphia, October 2005 – Present. www.sustainablephiladelphia.com
- Coordinated and led site tours on Ambler Campus and at the Pennypack Ecological Restoration Trust for Montgomery County Conservation District's *Seeing Is Believing: A Showcase of Stormwater Best Management Practices in Montgomery County*. October 25, 2006.
- Member, Education Program Committee, Delaware Valley Green Building Council, July 2005 – January 2006.
- Volunteer Instructor, American Institute of Architects, Architecture in Education Program, Overbrook Elementary School, 2004.
- Volunteer Researcher/Writer, Natural Resources Defense Council, *Stormwater Strategies - Community Responses to Runoff Pollution*, 1999.

AFFILIATIONS

American Planning Association
American Water Resources Association
Delaware Valley Green Building Council
International Association of Society and Natural Resources

LICENSES AND CERTIFICATIONS

Professional Engineer – Pennsylvania
Charrette Planner - National Charrette Institute

LANGUAGES

French