

JOHN B. BRADEN
Curriculum Vitae

April 2012

ADDRESSES

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EDUCATION

Miami University (Ohio) B.A. Economics (1972) (*Summa Cum Laude*; University and Department Honors)

University of Wisconsin-Madison M.S. (1976), M.A. (1978), and Ph.D. (1979) Agricultural & Applied Economics

EMPLOYMENT

University of Illinois at Urbana Champaign, Department of Agricultural & Consumer Economics (1979- 2011): Professor Emeritus (2012 -), Professor (1989-2011), Associate Professor (1984) and Assistant Professor (1979).

University of Wisconsin-Madison, Department of Agricultural Economics (1975-79): University Fellow, Research Assistant, Teaching Assistant

U.S., Library of Congress, Congressional Res. Serv., Washington, D.C. (1973-75): Economic Analyst

RECOGNITIONS

Warren Hall Medal, Universities Council on Water Resources (2012)

Phi Beta Kappa, Sigma Xi, Phi Kappa Phi, Gamma Sigma Delta, Omicron Delta Kappa

American Agricultural Economics Association: President's Award (2006)

American Council on Education, Fellow (1992-93)

Advisor to winners of most outstanding dissertation awards: Arianto Patunru, Indonesian Economics Association (2005); Khalid Abdul-Rahim, Tun Razak Foundation Prize for the best dissertation about the Malaysian economy (1993)

Fulbright Research Scholar, New Zealand (1990)

Universities' Council on Water Resources Outstanding Paper Award (w/ R.M. Saleth, 1988)

University of Illinois:: Fellow, Center for Advanced Study (1983-84); University Scholar (1989-92);

College Faculty Award for Excellence in Research (1989); Funk Recognition Award (1996);

Sptize Land Grant Career Achievement Award (2011), ACES Team Award (2011), List of Teachers Rated Excellent by Their Students (1983, 86, 87)

LEADERSHIP EXPERIENCE

Director of Undergraduate Programs, Department of Agricultural & Consumer Economics, 2005 - .

Curriculum oversight, program marketing, and student advising for 650 undergraduate majors. Overhauled advising and transfer system. Developed new curriculum in Financial Planning.

Director, Environmental Council, 1999-2002. Led a campus-wide unit responsible for the development of interdisciplinary academic programs. Implemented a new undergraduate minor. Participated with departments in recruitment of new environmental faculty. Staff: 8. Budget: \$2 million.

Chair, Committee on a Sustainable Campus Environment, 2001-02. Advisory to the Vice Chancellor for Administration and Human Resources. Recommended more sustainable facilities planning and management, landscape management, energy use, and procurement.

Associate Provost, 1998-2001. Faculty affairs, Teaching Advancement Board, budget planning and preparation, tuition policy, inter-institutional relations, promotion and tenure, institutionally-managed research competitions.

President, Universities Council on Water Resources, 1998-99. Led association of 92 Universities, organized Board and annual meetings, renegotiated administrative office arrangements, established transitional plan for executive secretary position, revised bylaws, developed partnerships with other associations, revised publication program.

Director, Illinois Water Resources Center, 1994-1998, Interim 2002. Administered statewide and multi-state competitive research grant programs, student internship program, and public service activities pursuant to the federal Water Resources Research Institute Act. Let initial grant for Midwest Technology Assistance Center that has received more than \$2 million from USEPA since 1998. Staff: 4. Budget: \$1.2 million.

Chair, Chancellor's Committee on Fire Safety and Emergency Services, 1997. Faculty/staff/student committee produced plan for closing the University Fire Department and contracting for emergency services from two municipalities. Approved by the cities and the University Board of Trustees in Autumn 1997 and implemented in early 1998.

Chair, Budget Strategies Committee, 1994-96. Advised the Provost on budgetary policy, including the development of a plan for sweeping changes to the campus budgetary system. Implementation began in 1997.

Chair, Committee to Form the Department of Agricultural and Consumer Economics, 1995. Orchestrated the merger of two academic units.

Fellow, American Council on Education, 1992-93. Assisted the President and the Academic Vice President of the University of Illinois system with reports to the Illinois Board of Higher Education, transfer and articulation policy, and early retirement. Assisted the President and the Provost of Kent State University with accreditation and projects on department leadership.

Director of Graduate Programs, Department of Agricultural and Consumer Economics, 1988-91, and 2001-2002. Oversaw graduate student policies, curriculum, recruitment, and progress.

PROFESSIONAL ASSOCIATIONS

American Economic Association (AEA), Agricultural & Applied Economics Association (AAEA), Association of Environmental & Resource Economists (AERE), Universities Council on Water Resources (UCOWR), Fulbright Association.

PROFESSIONAL SERVICE

Editorial Service: *American Journal of Agricultural Economics* (Senior Associate Editor, 1985-90), *Journal of Environmental Economics and Management* (Editorial Council, 1992-93), *Water Resources Update* (Special issue editor, 1997), *Journal of Water Resources Planning and Management* (Special Issue Editor, 2000; Associate Editor, 2008 -), *Letters in Spatial and Resource Science* (Editorial Council, 2006-2009).

Agricultural & Applied Economics Assn: Selected Papers Comm. (1983), Publication Comm. (1986-87; Chair 2004-2007).

Association of Environmental & Resource Economists: Board of Directors (1990-92), Nominating Comm. (1994-95)

Universities Council on Water Resources: Delegate (1988-), Dissertation Award Comm. (Chair, 1995-97), Board of Directors (1996-99), Presidency (1997-2000)

U.S. Department of Energy, Energy-Water Roadmap, Executive Committee (2005-2006)

Expert Panels: National Science Foundation, U.S. Environmental Protection Agency, Council on Agricultural Science and Technology, Northeast-Midwest Institute, National Research Council
Reviews: Numerous journals, U.S. Department of Agriculture, U.S. Environmental Protection Agency, National Science Foundation, American Society of Civil Engineers, others.

TEACHING & CURRICULUM DEVELOPMENT

Developed undergraduate and graduate curricula in natural resource and environmental economics (approved in 80s) and in financial planning (approved '08).

Developed and implemented new interdisciplinary Environmental Fellows minor ('99)

Courses taught: Introduction to ACES (Fr.); Economics of the Environment (So.-Jr.); Personal Finance (So.-Jr.) (on-campus and on-line); Advanced Seminar for Environmental Fellows Program (Sr); Benefit-Cost Analysis (Sr.-M.S.); Introduction to Natural Resource Economics (M.S.); Research Methodology (M.S.); Regional Air Pollution Management (M.S., J.D.); Natural Resource Economics (Ph.D.); Environmental Economics (Ph.D.); Personal Financial Planning (Soph.); Contemporary Issues in Financial Planning (So.-Jr.)

UNIVERSITY SERVICE [Major leadership roles elaborated elsewhere]

Illinois Gamma of Phi Beta Kappa (Executive Director, 1999 - 2003; President, 2008 - 2009);
Departmental Committees (Faculty Advisory, Graduate Recruitment and Admissions, Graduate Programs, Undergraduate Programs, Promotion and Tenure, Curriculum);
College Committees (Research Awards, Graduate Fellowships, Graduate Education, Executive (Vice-Chair, 2008-09));
University Committees (Student Conduct, Inter-Institutional Collaboration, Parking and Transportation, Bookstore, Budget, Environmental Council, Emergency Services, Systems Strategy, Alcohol Policy, Athletic Board, Allerton Park Advisory Board);
Numerous search committees.

PUBLIC SERVICE

Great Lakes Science Advisory Board (2002-2008)
Agricultural Watershed Institute Board of Directors (2003-2011)
National Research Council Committee on Corps of Engineers Project Planning (2002-2004)
Illinois State Water Plan Task Force (1994-98)
Illinois River Planning Committee (1996-98)
Technical Advisory Committee, Illinois Department of Energy and Natural Resources (Chair, 1989-92)
Initiated biennial Illinois Water Conference (1996, ongoing)

INTERNATIONAL AND VISITING APPOINTMENTS

Visiting Scholar: Catholic University of Leuven (Belgium), Wageningen Agricultural University (the Netherlands), Canterbury and Lincoln Universities (New Zealand), Institute for Social and Economic Change (India), Colorado State University, U.S. Environmental Protection Agency-Region 5.

Other: World Bank Lecturer (India), Principal Investigator and Director of U.S. Information Agency University Affiliation Program with two European Universities, University Representative for U.S. Department of Education Student Exchange Grant with Danish Technical University. Lecturing widely.

CONSULTANCIES

AquaNova International, Ltd.; Natural Resources Defense Council; Waterkeepers Alliance; Environmental Planning & Economics, Inc.; Illinois Corn Growers, Inc.; E² Inc.; Skeo Solutions Inc.; U.S. Fish and Wildlife Service; National Oceanic and Atmospheric Administration; Northeast-Midwest Institute; United Nations Environment Program; World Bank; various academic publishers; Ohio State University; University of Missouri

External review committees: Montana State University, Virginia Tech (Chair), Southern Illinois University, Research Triangle Institute, University of California Riverside, Wageningen University, National Science Foundation

SELECTED PUBLICATIONS & PROGRAM SUPPORT

BOOKS

- [1] Braden, J.B. and S.B. Lovejoy, eds. *Agriculture and Water Quality: International Perspectives*. Boulder, CO: Lynne Reinner Publishers, 1990, 224 pp.
- [2] Braden, J.B. and C.D. Kolstad, eds. *Measuring the Demand for Environmental Quality*. Amsterdam: Elsevier/North-Holland, Contributions to Economic Analysis No. 198, 1991, 370 pp. (3rd printing, 1998).
- [3] Novotny, V., J. Braden, D. White, A. Capodaglio, R. Schonter, R. Larson, and K. Algozin. *A Comprehensive UAA Technical Reference. 91-NPS-1*. Alexandria, VA : Water Environment Research Foundation, 1997, vols. 1 and 2.
- [4] Braden, J.B., H. Folmer, and T.S. Ulen, eds. *Environmental Policy with Political and Economic Integration: The European Union and United States*. Edward Elgar Publishing, Ltd., 1996, 488 pp.
- [5] Braden, J.B. and S. Proost, eds. *The Economic Theory of Environmental Policy in a Federal System*. Cheltenham, England: Edward Elgar Publishing, Ltd., 1997, 166 pp.
- [6] Proost, S. and J.B. Braden, eds. *Climate Change, Transport and Environmental Policy: Empirical Applications in a Federal System*. Cheltenham, England: Edward Elgar Publishing, Ltd., 1998, 252 pp.
- [7] Baecher, G.B., J.B. Braden, and others. *Analytical Methods and Approaches for Water Resources Project Planning*. National Academy Press, 2004, 151 pp.

SELECTED JOURNAL ARTICLES [OF 68]

- [1] Braden, J.B. and D.W. Bromley. "The Economics of Cooperation over Collective Bads." *Journal of Environmental Economics and Management*, 8 (No. 2, 1981): 134-150.
 - [2] Braden, J.B. "Commercial Prospects for Natural Gas Extraction from Lake Erie." *Journal of Great Lakes Research*, 7 (No. 1, 1981):29-36.
 - [3] Braden, J.B. "Some Emerging Rights in Agricultural Land." *American Journal of Agricultural Economics*, 64 (No. 1, 1982):19-27.
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- [4] Braden, J.B. and D.L. Uchtmann. "Soil Conservation Programs Amidst Faltering Environmental Commitments and the 'New Federalism'." *Boston College Environmental Affairs Law Review*, 10 (No. 3, 1982-3):639-96.
- [5] Carlson, J.L., J.B. Braden, and D.W. Martin. "Implications of Executive Order 12,291 for Discretion in Environmental Regulation." *Boston College Environmental Affairs Law Review*, 12 (No. 2, 1984-5):313-40.
- [6] Braden, J.B. and D.L. Uchtmann. "Agricultural Nonpoint Pollution Control: An Assessment." *Journal of Soil and Water Conservation*, 40 (No. 1, 1985):23-26. [Invited paper.]
- [7] Farnsworth, R.L. and J.B. Braden. "Educational and Institutional Needs of the Conservation Title." *Journal of Soil and Water Conservation*, 43 (No. 2, 1988):145-7.
- [8] Miltz, D., J.B. Braden, and G.V. Johnson. "Standards Versus Prices Revisited: The Case of Agricultural Nonpoint Source Pollution." *Journal of Agricultural Economics*, 39 (September 1988):360-68.
- [9] Braden, J.B., G.V. Johnson, A. Bouzaher, and D. Miltz. "Optimal Spatial Management of Agricultural Pollution." *American Journal of Agricultural Economics*, 71 (No. 2, 1989):404-413. [Reprinted in *The Economics of Agro-Environmental Policy*, Vol. 1, S.S. Batie and R.D. Horan, eds. Aldershoot, Hants, England: Ashgate, 2004, pp. 411-420.]
- [10] Braden, J.B., E.E. Herricks, and R.S. Larson. "Economic 'Targeting' of Nonpoint Pollution Abatement for Fish Habitat Protection." *Water Resources Research*, 25 (No. 6, 1989):2399-2406.
- [11] Braden, J.B., R.S. Larson, and E.E. Herricks. "Impact Targets versus Discharge Standards in Agricultural Pollution Management." *American Journal of Agricultural Economics*, 73 (No. 2, 1991):388-397.
- [12] Saleth, R.M., J.B. Braden, and J.W. Eheart. "Bargaining Rules for a Thin Spot Water Market." *Land Economics*, 67 (3, 1991):326-339.
- [13] Netusil, N.R. and J.B. Braden. "Market and Bargaining Approaches to Nonpoint Source Pollution Abatement Problems." *Water Science and Technology*, 28(3-5, 1993): 35-45.
- [14] Braden, J.B., N.R. Netusil, and R. Kosobud. "Incentive-based Nonpoint Source Pollution Abatement in a Reauthorized Clean Water Act." *Water Resources Bulletin*, 30(5,1994): 781-791.
- [15] Braden, J.B. "Changing Agricultural Property Rights for the 21st Century: Discussion." *American Journal of Agricultural Economics*, 77(5, 1995):1204-1206.
- [16] Braden, J.B. "The Value of Valuation: Introduction." *Journal of Water Resources Planning and Management*, 126(6, 2000): 336-338.
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- [17] Netusil, N.R. and J.B. Braden. "Transactions Costs and Sequential Bargaining in Transferable Discharge Permit Markets." *Journal of Environmental Management*, 61 (3, 2001): 253-262.
- [18] Ipe, C.V., E.A. DeVuyst, J.B. Braden, and D.C. White. "Simulation of a Group Incentive Program for Farmer Adoption of Best Management Practices." *Agricultural and Resource Economics Review*, 30 (2, 2001): 139-150.
- [19] Braden, J.B. and D.M. Johnston. "Downstream Economic Benefits from Stormwater Management." *Journal of Water Resources Planning and Management*, 130 (6, 2004): 498-505.
- [20] Braden, J.B., A.A. Patunru, S. Chattopadhyay, and N. Mays. "Contaminant Cleanup in the Waukegan Harbor Area of Concern: Homeowner Attitudes and Economic Values." *Journal of Great Lakes Research*, 30 (4, 2004): 474-491.
- [21] Chattopadhyay, S., J.B. Braden, and A.A. Patunru. "Benefits of Hazardous Waste Cleanup: New Evidence from Survey- and Market-Based Property Value Approaches." *Contemporary Economic Policy*, 23 (3, 2005): 357-375.
- [22] Islam, M. and J. Braden. "Bio-economic Development of Floodplains: Farming versus Fishing in Bangladesh." *Environment and Development Economics*, 11 (1, 2006): 95-126.
- [23] Johnston, D.M., J.B. Braden, and T.H. Price. "The Downstream Economic Benefits of Stormwater Management: A Comparative Analysis." *Journal of Water Resources Planning and Management*, 132 (1, 2006): 35-43.
- [24] Sparks, R.E. and J.B. Braden. "Naturalization of Developed Floodplains: An Integrated Analysis." *Journal of Contemporary Water Research and Education*, 136 (June 2007) : 7-17.
- [25] Patunru, A.A., J.B. Braden, and S. Chattopadhyay. "Who Cares about Environmental Stigmas and Does It Matter? A Latent Segmentation Analysis of Property Values." *American Journal of Agricultural Economics*, 89 (3, 2007): 712-726.
- [26] Ren, X., A.A. Patunru, and J.B. Braden. "Language-Related Differences in Environmental Benefits Estimation: Evidence from a Mail Survey." *Contemporary Economic Policy*, 26 (1, 2008): 13-31.
- [27] Braden, J.B., L.O. Taylor, D. Won, N. Mays, A. Cangelosi, and A.A. Patunru. "Economic Benefits of Remediating the Buffalo River, NY Area of Concern." *Journal of Great Lakes Research*, 34 (4, 2008): 631-648.
- [28] Braden, J.B., L.O. Taylor, D. Won, N. Mays, A. Cangelosi, and A.A. Patunru. "Economic Benefits of Remediating the Sheboygan River, WI Area of Concern." *Journal of Great Lakes Research*, 34 (4, 2008): 649-660.
- [29] Braden, J.B., D. Brown, J. Dozier, P. Gober, D.R. Maidment, S.L. Schneider, P.W. Schultz, J.S. Shortle, S.K. Swallow, and C.M. Werner. "Social science in a water observing system," *Water Resources Research*, 45 (W11301, 2009), doi:10.1029/2009WR008216.
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- [30] Braden, J.B., X. Feng, L. Freitas, and D. Won. "Meta-Functional Transfer of Hedonic Property Values: Application to Great Lakes Areas of Concern." *Agricultural and Resource Economics Review*, 39(1, 2010): 101-113, <http://purl.umn.edu/59339>.
- [31] Ren, X., D. Fullerton, and J.B. Braden. "Optimal Taxation of Externalities Interacting through Markets: A Theoretical General Equilibrium Analysis." *Resource and Energy Economics*, 33(2, 2011): 496-514, doi:10.1016/j.reseneeco.2010.10.002.
- [32] Mieno, T. and J.B. Braden. "Residential Demand for Water in the Chicago Metropolitan Area." *Journal of the American Water Resources Association*, 47(4, 2011): 713-723, DOI: 10.1111/j.1752-1688.2011.00536.x.
- [33] Characklis, G., P. Adriaens, J. Braden, J. Davis, B. Hamilton, J. Hughes, M. Small, and J. Wolfe. "Increasing the Role of Economics in Environmental Research (or moving beyond the mindset that Economics = Accounting)." *Environmental Science & Technology*, 45(15, 2011): 6235-6236, DOI: 10.1021/es202128s.
- [34] Braden, J.B., X. Feng, and D. Won. "Waste Sites and Property Values: A Meta-analysis." *Environmental and Resource Economics*, 50(2, 20-11): 175-201, DOI: 10.1007/s10640-011-9467-9.
- [35] Ng, T.L., J.W. Eheart, X. Cai, and J.B. Braden. "An agent-based model of farmer decision-making and water quality impacts at the watershed scale under markets for carbon allowances and a second-generation biofuel crop." *Water Resources Research*, doi:10.1029/2011WR010399 (in press).

SELECTED CHAPTERS IN BOOKS AND PROCEEDINGS [OF 42]

- [1] Braden, J.B. and K.R. Livengood. "Natural Resource Policies and Midwest Economic Renewal." In *The Midwest Economy: Issues and Policy*, Eds. R. Resek and R. Kosobud. Urbana: Illinois Bureau of Economics and Business Research, 1983, pp. 31-49.
- [2] Braden, J.B., G.V. Johnson, and D.G. Martin. "Efficient Control of Agricultural Sediment Deposition in Water Courses." In *Options for Reaching Water Quality Goals*, Ed. Theodore M. Schad. Tech. Pub. Ser. 84-2, American Water Resources Association, Bethesda, MD., 1985, pp. 69-76.
- [3] Braden, J.B. "Intergovernmental Relations: Trends and Opportunities." In *Making Soil and Water Conservation Work*, Eds. D. Halbach, C.F. Runge, and W.E. Larson. Ankeny, IA: Soil Conservation Society of America Press, 1987, pp. 151-65. [Invited conference presentation.]
- [4] Braden, J.B. "Financing Nonpoint Pollution Abatement: The Peculiar Case of Agriculture." In *Political, Institutional, and Fiscal Alternatives to Accelerate Nonpoint Pollution Programs*, Ed. V. Novotny. Milwaukee, WI: Marquette University Press, 1988a, pp. 147-61. [Invited conference presentation.]
- [5] Braden, J.B. "Nonpoint Pollution Policies and Politics: The Role of Economic Incentives." In *Nonpoint Pollution: 1988 - Policy, Economy, Management, and Appropriate Technology*, Ed. V. Novotny.
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- Bethesda, MD: American Water Resources Association, 1988b, pp. 57-66. [Invited conference presentation.]
- [6] Braden, J.B., R.L. Farnsworth, J.M. Mill, W.D. Seitz, and D.L. Uchtmann. "Revenue Sources for Nonpoint Pollution Abatement." In *Nonpoint Pollution: 1988 - Policy, Economy, Management, and Appropriate Technology*, Ed. V. Novotny. Bethesda, MD: American Water Resources Association, 1988, pp. 97-106.
- [7] Braden, J.B. and S.B. Lovejoy. "Overview." In *Agriculture and Water Quality: International Perspectives*, Eds. J.B. Braden and S.B. Lovejoy. Boulder, CO: Lynne Rienner Publishers, 1990, pp. 1-5.
- [8] Kolstad, C.D. and J.B. Braden. "Environmental Demand Theory." In *Measuring the Demand for Environmental Quality*, Eds. J.B. Braden and C.D. Kolstad. Amsterdam: Elsevier/North-Holland, Contributions to Economic Analysis No. 198, 1991, pp. 17-39.
- [9] Braden, J.B. and K. Segerson. "Information Problems in the Design of Nonpoint-Source Pollution Policy." In *Theory, Modeling, and Experience in the Management of Nonpoint-Source Pollution*, Eds. C.S. Russell and J.F. Shogren. Kluwer Academic Publishers, Dordrecht, 1993, pp. 1-36.
- [10] White, D.C., J.B. Braden, and R.H. Hornbaker. "Economics of Sustainable Agriculture." In *Sustainable Agriculture Systems*, Eds. J.L. Hatfield and D.L. Karlen. Lewis Publishers, Boca Raton, FL., 1994, pp. 229-260.
- [11] Tomasi, T., K. Segerson, and J. Braden. "Issues in the Design of Incentive Schemes for Nonpoint Source Pollution Control." In *Nonpoint-Source Pollution Regulation: Issues and Analysis*, Eds. C. Dosi and T. Tomasi. Kluwer Academic Press, Dordrecht, Netherlands, 1994, pp. 1-37.
- [12] Saleth, R.M. and J.B. Braden. "Minimizing Potential Distortions in a Spot Water Market: A Multilateral Bargaining Approach." In *Resolution of Water Quantity and Quality Conflicts*, Eds. A. Dinar and E. Loehman. Praeger Publishing Co., Westport, CT, 1995, pp. 385-397.
- [13] Braden, J.B. and C.G. Kim. "Economic Approaches to Evaluating Environmental Programs." In., *Environmental Program Evaluation: A Primer*, Eds. G. Knapp and J. Kim. University of Illinois Press, Urbana, 1997, pp. 203-237.
- [14] Sparks, R.E., J.B. Braden, M. Demissie, P. Mitra, D. Schneider, D.C. White, and R. Xia. "Linking River Hydrology to Floodplain Ecology." *Water Lessons of World Development—Proceedings of the Universities' Council on Water Resources Annual Meeting*. Kamuela, HA, 1999, pp. 140-147.
- [15] Sparks, R.E., J.B. Braden, M. Demissie, P. Mitra, D. Schneider, D.C. White, and R. Xia. "Technical Support of Public Decisions to Restore Floodplain Ecosystems: A Status Report on the Illinois River Project, USA." In *New Approaches to River Management*. Backhuys Publishers, Leiden, the Netherlands, 2000, pp. 225-247.
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- [16] Braden, J.B. and S. Chattopadhyay. "Hedonic Valuation of Environmental Improvements." In *Revealing the Economic Value of Protecting the Great Lakes*, Ed. A. Cangelosi. Washington, DC: Northeast-Midwest Institute, 2001, pp. 78-83.
- [17] Chattopadhyay, S. and J.B. Braden. "Case Study of a Hedonic Analysis: The Benefits of Air Quality Improvement in the Great Lakes Region." In *Revealing the Economic Value of Protecting the Great Lakes*, Ed. A. Cangelosi. Washington, DC: Northeast-Midwest Institute, 2001, pp. 120-130.
- [18] Clune, W.H. and J.B. Braden. "Financial, Economic, and Institutional Barriers to Green Urban Development: The Case of Stormwater." In *Cities of the Future: Creating Blue Water in Green Cities*, Ed. V. Novotny & P. Brown. London: IWA Publishing, 2007, pp. 388-401.
- [19] Johnston, D.M. and J.B. Braden. "Green Landscapes: Exogenous Economic Benefits of Environmental Improvement." In *Political Economies of Landscape Change: Places of Integrative Power*, Ed. J.L. Wescoat, Jr. & D.M. Johnston. Springer, 2008, pp. 195-214.
- [20] Braden, John B. and Amy W. Ando, "Economic Costs, Benefits, and Achievability of Low-Impact Development Based Stormwater Regulations." In *Economic Incentives for Stormwater Control*, Ed. H.W. Thurston, Taylor & Francis, Boca Raton, FL., 2012, pp. 45-70.
- [21] Braden, J.B. and J.S. Shortle, "Agricultural Sources of Water Pollution," In *Encyclopedia of Energy, Natural Resource and Environmental Economics*, Ed. J. Shogren, Chap. 111. Elsevier, Amsterdam (forthcoming 2012)
- [22] Shortle, J.S. and J.B. Braden, "The Economics of Nonpoint Source Pollution," In *Encyclopedia of Energy, Natural Resource and Environmental Economics*, Ed. J. Shogren. Elsevier, Amsterdam (forthcoming 2012)

SELECTED BULLETINS AND REPORTS [OF 51]

- [1] Braden, J.B. and D.W. Bromley. "Natural Gas from Lake Erie: An Economic and Environmental Appraisal." Madison, WI: University of Wisconsin-Madison, Institute for Environmental Studies, IES Report 111, 1980, 150 pp.
- [2] Braden, J.B., D.L. Uchtman, and D.R. Prutton. "Problems of Administrative Coordination in the Implementation of Agricultural Nonpoint Pollution Controls." Urbana, IL: Illinois Water Resources Center, Report No. 171, 1982, 72 pp.
- [3] Hauser, R.J. and J.B. Braden. Testimony in "Developments in the Production and Use of Ethanol Fuels." Washington, DC: U.S. House of Representatives, Committee on Science and Technology and Committee on Agriculture, Serial No. 98-92, 1984.
- [4] Braden, J.B., R.L. Farnsworth, W.D. Seitz, and D.L. Uchtman. "Financing Mechanisms for Agricultural Nonpoint Pollution Control." Springfield, IL: Illinois Department of Energy and Natural Resources, ILENR/RE-EA-88/20, 1988, 114+ pp.
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- [5] Lupi, F., Jr., R.L. Farnsworth, and J.B. Braden. "Improvement of Lake Water Quality by Paying Farmers to Abate Nonpoint Source Pollution." Urbana, IL: Illinois Water Resources Center Report No. UILU-WRC-88-210, 1988, 96 pp.
- [6] White, D.C., M.L. Penosky, J.B. Braden, R.D. Mariner, and D. Dreher. "Mechanisms for Stream Corridor Protection." Springfield, IL: Illinois Department of Energy and Natural Resources, Report No. ILENR/RE-WR-89/19, 1989, 89 pp.
- [7] Larson, R.S., E.E. Herricks, and J.B. Braden. "Efficient Protection of Fisheries Habitat in Great Lakes Tributaries from Agricultural Pollution." Urbana, IL: Illinois-Indiana Sea Grant Program, Report No. 89-04, 1990.
- [8] Hirschi, R.L. and J.B. Braden. "Economic Evaluation of the Emiquon National Wildlife Refuge in Fulton County, Illinois." Report prepared for the U.S. Fish and Wildlife Service, Illinois River Division, April 1997.
- [9] Braden, J.B., S. Chattopadhyay, and A.A. Patunru. "The Economic Value of Environmental Clean-up: Contaminants in Waukegan Harbor, Illinois." Report to the Northeast-Midwest Institute under grant no. 040245, July 2003 (rev. September 2003).
- [10] Braden, J.B., D.M. Johnston, and T.H. Price. "The Downstream Economic Benefits of Stormwater Management." Report to the Conservation Research Institute and U.S. Environmental Protection Agency, Region 5, December 2003 under award no. X97576401.
- [11] Braden, J.B., L.O. Taylor, D. Won, N. Mays, A. Cangelosi, and A.A. Patunru. "Economic Benefits of Sediment Remediation." Report to the Great Lakes National Program Office, USEPA, under grant no. GL-96553601, December 2006, 121+ pp. (www.nemw.org/EconBenReport06.pdf)
- [12] Dozier, J., J. Braden, et al. (35 authors), Living in the water environment: The WATERS Network science plan, rept. to NSF, Arlington, VA, 2009, 82 pp.
- [13] Wise, S., J. Braden, D. Ghalayini, J. Grant, C. Kloss, E. MacMullan, S. Morse, F. Montalto, D. Nees, D. Nowak, S. Peck, S. Shaikh, and C. Yu, "Integrating Valuation Methods to Recognize Green Infrastructure's Multiple Benefits." Center for Neighborhood Technologies, Chicago, 2010.

SELECTED GRANTS [OF 76 PRODUCING \$10M+ EXPENDITURES]

- [1] Bromley, D.W., J.B. Braden, J. Houtsma. "Institutional Design for International Water Quality Management in the Great Lakes." Rockefeller Foundation, July 1977-July 1979, \$60,000.
- [2] Swanson, E.R., J.B. Braden, and R.M. Lyon. "Pollution Control Cost Analysis." U.S. Environmental Protection Agency, 1983-4, \$203,000.
- [3] Farnsworth, R.L., J.B. Braden, and G.V. Johnson. "Analysis of Lake Water Quality Improvement by Paying Farmers to Abate Nonpoint-Source Pollution." Illinois Water Resources Center, 1986-8, \$35,000.
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