

SAMUEL DAVID BRODY

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EDUCATION

- Ph.D. **Environmental planning and policy, University of North Carolina, Chapel Hill, NC, 2002.**
Research focus: ecosystem management and collaborative environmental planning.
Advisors: David Godschalk and Phil Berke.
Dissertation: A Model for Ecosystem Management Through Land-Use Planning: Understanding the Mosaic of Protection Across Ecological Systems in Florida.
- M.S. **Resource policy and behavior. University of Michigan, Ann Arbor, MI, 1996.**
Emphasis on resource policy/planning and ecosystem management.
- Graduate **Environmental Studies, University of Adelaide, Australia, 1994.**
Diploma Funded through Rotary International Graduate Scholarship.
- B.A. **Environmental studies and anthropology. Bowdoin College, Brunswick, ME, 1992.**
Summa Cum Laude, Phi Beta Kappa.

ACADEMIC POSITIONS

- April 2006 to present **Associate Professor. Texas A&M University, College Station, TX.**
Conduct research in environmental planning, coastal management, natural hazards, and spatial analysis. Teach environmental planning, dispute resolution, and sustainable development.
- 2005 to present **Director. Environmental Planning and Sustainability Research Unit, Texas A&M University, College Station, TX.**
Co-Director. Center for Texas Beaches and Shores.
Faculty Fellow. Hazards Reduction and Recovery Center, Texas A&M University, College Station, TX.
- August to December 2007 **Visiting Scholar. Florida Atlantic University, Department of Urban and Regional Planning, Fort Lauderdale, Florida.**
- 2002 to March 2006 **Assistant Professor. Texas A&M University, College Station, TX.**
Conduct research as part of the Sustainable Coastal Margins Program. Teach environmental planning, coastal management, dispute resolution, and sustainable development.
- 1999 to 2001 **Project Director. University of North Carolina, Center for Urban and Regional Studies, Chapel Hill, NC.**
Researched environmental impacts of local policies in Florida. Developed methods to

evaluate and spatially analyze plan quality using GIS.

- 1999 to 2001 **Research Assistant. University of North Carolina, Center for Urban & Regional Studies, Chapel Hill, NC.**
Conducted research on plan quality relating to natural hazards mitigation as part of a National Science Foundation study. Principal Investigators: Ray Burby and David Godschalk.
- 1998 **Teaching Assistant. University of North Carolina, Department of City and Regional Planning, Chapel Hill, NC.**
Assisted teaching a graduate course on dispute resolution for Professor David Godschalk.
- 1997 to 1998 **Project Director. Woods Hole Oceanographic Institution, Marine Policy Center, Woods Hole, MA.**
Managed and coordinated the Gulf of Maine Marine Protected Areas Project. Conducted policy research on the benefits of a network of marine protected areas. Designed and produced a GIS database of coastal and marine protected areas.
- 1996 to 1997 **Research Assistant II. University of Michigan, School of Natural Resources and Environment, Ann Arbor, MI.**
Researched and drafted case studies on ecotourism and sustainable development initiatives around the world for a graduate class “Ecotourism and Ecodevelopment.”
- 1996 **Research Assistant II. University of Michigan, School of Natural Resources and Environment, Ann Arbor, MI.**
Under the supervision of Professor Julia Wondolleck, researched materials and contributed to the international electronic conference “Addressing Natural Resource Conflicts Through Community forestry” sponsored by the UN-FAO’s Forest, Trees and People Programme.

PROFESSIONAL EXPERIENCE

- 1997 to present **President. Harpswell 10, Inc., Towson, MD.**
Engage in consulting and research projects on regional environmental planning and management. Specialize in ecosystem management, collaborative planning and consensus building, ecologically sustainable approaches to development, and computer mapping and analysis.
- 2001 to 2003 **Consultant. Washington/Baltimore Regional 2012 Coalition, Washington, D.C.**
Wrote environmental theme for the Coalition’s bid for the 2012 Olympic Summer Games. Coordinated outreach and collaborative initiatives, drafted an environmental pledge to be signed by local organizations, and drafted an ecosystem-based environmental action plan.
- 1997 **Coastal Policy Analyst. Maine State Planning Office/ME Coastal Program, Augusta, ME.**
Organized, implemented, and presented at a bi-national conference on developing an international marine protected areas program for the Gulf of Maine. Assisted in policy development for marine reserves and habitat restoration in the Gulf of Maine. Administered a major federal grant for marine sewage disposal under the Clean Vessel Act. Developed and evaluated a regional sustainable tourism policy for the Acadia region. Sustainable regions team member.

- 1996 to 1997 ***Consultant. Gulf of Maine Council on the Marine Environment, Augusta, ME.***
 Researched and designed a marine protected areas program for the Gulf of Maine. Conducted a survey of marine users and other interested parties and published a report assessing the feasibility of a Gulf-wide program. Developed a model for ecosystem management in the Gulf of Maine through the implementation of marine protected areas.
- 1995 to 1996 ***Environmental Correspondent. The Food Channel, Chicago, IL.***
 Researched and produced articles for an international food magazine. Publications include “Australia: Emerging Food Frontier” and “Food Industry Ecology: A Trend Here to Stay.”
- 1995 ***Research Analyst. Planning Decisions, Inc., Portland, ME.***
 Drafted the Cape Elizabeth Great Pond watershed plan and the Sanford wellhead protection ordinance; designed and authored the *One-Stop Information System*®. Conducted, computerized land use analysis for the Casco Bay Estuary Project.
- 1993 ***Park Ranger/Environmental Interpreter. Canyonlands National Park, UT.***
 Led campfire and geology talks. Guided hikes. Assisted guests in Visitor Center.
- 1992 to 1993 ***Paralegal Specialist. U.S. Department of Justice: Environmental Enforcement Section, Washington, D.C.***
 Outstanding Scholarship Program. Researched and drafted legal pleadings. Prepared and reviewed documents pertaining to environmental lab sampling data. Worked with EPA’s Contract Lab Program and QA/QC procedures. Collected and drafted testimony from expert witnesses. Received federal certification in legal research.
- 1991 ***Planning Assistant. Market Decisions, Inc., Portland, ME.***
 Graphically depicted, analyzed and drafted land use information. Inventoried residential, agricultural, and forestlands for the Scarborough, ME, comprehensive plan.
- 1990 ***Research Assistant. The Chesapeake Bay Foundation, Annapolis, MD.***
 Assembled and graphically portrayed information on land use trends in the Chesapeake Bay Watershed. Produced an educational slide show on growth and development. Assisted in drafting a citizen’s guide to planning and zoning in the State of Maryland.

HONORS AND AWARDS

- 2007 Award for Outstanding Research, College of Architecture, Texas A&M University, College Station, TX.
- 2004 College Outstanding Achievement Award, College of Architecture, Texas A&M University, College Station, TX.
- 2004 Nominated for the Presidential Early Career Award for Science and Engineering (PECASE), National Science Foundation.
- 2002 Graduate Recruitment Award, Department of Landscape Architecture and Urban Planning, Texas A&M University, College Station, TX.
- 2001 U.S. Environmental Protection Agency (EPA) Science to Achieve Results (STAR) Fellowship Conference Best Paper Award.

- 1997 United States Presidential Management Intern Award.
- 1995/1996 University of Michigan, School of Natural Resources and the Environment Merit Award.
- 1995 University of Adelaide Environmental Achievement Award.
- 1994 to Rotary International Preserve the Planet Scholar.
1995
- 1992 Bowdoin College – *Phi Beta Kappa*; James Bowdoin Scholar.

RESEARCH EXPERIENCE

EXTERNAL GRANTS and Contracts

- 2008 to 2010 **Principal Investigator.** National Oceanographic Atmospheric Administration (NOAA), Sea Grant Award, \$291,274.
A Coastal Communities Planning Atlas for Decision Makers and Local Residents: Phase II.
- 2007 to 2009 **Co-Principal Investigator.** National Oceanographic Atmospheric Administration (NOAA), Coastal Services Center, \$299,922. Advancing the Resilience of Coastal Localities: Developing, Implementing and Sustaining the Use of Coastal Resilience Indicators.
- 2006 to 2012 **Co-Principal Investigator.** Coastal Coordination Council/TX GLO/NOAA, \$744,000.
Status and Trends of Coastal Vulnerability to Natural Hazards. Renewable each year for six years.
- 2007 to 2008 **Co-Principal Investigator.** Lower River Colorado Authority (LCRA), \$98,404. Analysis of socioeconomic and land use characteristics for LCRA properties.
- 2006 to 2008 **Principal Investigator.** National Park Service, Cooperative Agreement, \$242,394.
Development of a Land Use Change Early Warning System.
- 2006 to 2008 **Principal Investigator.** National Oceanographic Atmospheric Administration (NOAA), Sea Grant Award, \$388,398.
Developing a Coastal Communities Planning Atlas as an Educational Tool for Decision Makers and Local Residents.
- 2006 to 2008 **Co-Principal Investigator.** USDA, Program of Research on the Economics of Invasive Species Management (PREISM), \$190,956.
Border Enforcement, Importer Behavior, and Trade-Related Invasive Species Risk.
- 2005 to 2006 **Co-Principal Investigator.** National Science Foundation (NSF), SGER, \$96,638.
Perceived Risks and Willingness to Pay for Hurricane Protection.
- 2005 to 2008 **Co-Principal Investigator.** National Science Foundation (NSF), \$500,000.
MRI: Development of Spatially Immersive Visualization Facilities.
- 2004 to 2009 **Principal Investigator.** National Science Foundation (NSF) CAREER Award, \$515,500.
Modeling Watershed Flooding and Adaptive Flood Management: An Integrative Plan for Research, Teaching, and Learning. A five-year research project examining the relationship between the development of wetlands and coastal watershed flooding.
- 2004 to 2005 **Researcher.** Department of Homeland Security Office of State and Local Government Coordination and Preparedness, \$89,235.
Identifying Best Practices for Systems and Equipment Procurement Decisions in Emergency-Responder Organizations.
- 1999 to 2001 **Principal Investigator.** U.S. EPA Science to Achieve Results (STAR) Fellowship, \$100,000.
Researched environmental impacts of local policies in Florida. Developed methods to evaluate

and spatially analyze plan quality using geographic information systems.

- 2000 to 2001 **Principal Investigator.** Steinwachs Family Foundation, \$5,000.
Collaborative Ecosystem Planning in South Florida.
- 1997 to 1999 **Principal Investigator.** Gulf of Maine Council on the Marine Environment, \$25,000.
Examining a Network of Coastal and Marine Protected Areas in the Gulf of Maine as an Ecosystem Approach to Management.
- 1998 to 1999 **Principal Investigator.** U.S. NOAA, Office of Ocean and Coastal Resource Management, \$15,000.
Using Geographic Information Systems to Map and Analyze Existing Coastal and Marine Protected Areas in the Gulf of Maine.
- 1996 to 1997 **Principal Investigator.** State of Maine, Executive Office, State Planning Office, \$5,000.
Examining Stakeholder Perceptions of Marine Protected Areas.

INTERNAL GRANTS

- 2004 to 2005 **Co-Principal Investigator.** College Research and Interdisciplinary Council (CRIC) Research Grant, College of Architecture, Texas A&M University. \$7,500.
Understanding Organizational and Technological Capabilities in Public and Private Planning Agencies in Texas for Applications of GIS/PSS to Practice and Decision Making.
- 2002 to present **Principal Investigator.** Center for Teaching Excellence, Texas A&M University, Teaching Incentive Grant, \$2,000 plus \$1000/year in the future.
Development of Case Studies in Environmental Dispute Resolution: Integrating teaching, research, and learning. A grant to publish a book of student-written case studies in dispute resolution to be used as a teaching aid in dispute resolution/conflict management courses throughout the University and the United States.
- 2003 to 2004 **Principal Investigator.** College Research and Interdisciplinary Council (CRIC) Research Grant, College of Architecture, Texas A&M University. \$5,000.
A Spatial and Statistical Analysis of Wetland Development Permits in Florida.
- 2002 to 2003 **Principal Investigator.** College Research and Interdisciplinary Council (CRIC) Grant, College of Architecture, Texas A&M University. \$5,000.
Examining the Role of Resource-Based Industries in Ecosystem Approaches to Management.
- 2002 **Collaborator.** Vice President for Research Office's Travel Grant, Texas A&M University, \$1,500.
Identifying Opportunities for Coastal Watershed Management in Bordeaux, France: A Collaborative Initiative. This grant provided funding to travel to Bordeaux and initiate a collaborative research project with Bordeaux 1 University on Coastal Watershed Management.

FELLOWSHIPS AND SCHOLARSHIPS

- 2003 to 2004 National Science Foundation. Hazards Enabling Fellowship. Three trips to develop research proposals (Woods Hole, MA, Chapel Hill, NC, and Estes Park, CO) and a \$3,000 stipend.

- 2001 to 2002 University of North Carolina, Chapel Hill, NC. Dissertation Fellowship, \$17,000. A model for Ecosystem Approaches to Management.
- 1999 to 2002 EPA Science to Achieve Results (STAR) Doctoral Fellowship, \$100,000. A Model for Ecosystem Management Through Land Use Planning: Implementing the Principles of Ecosystem Management in Florida.
- 1994 Rotary Ambassadorial Graduate Scholarship, \$34,000. Graduate study at the University of Adelaide, Australia.

REFEREED JOURNAL ARTICLES

- Brody, S.D., Davis, Stephen E. III, *Highfield, Wesley E. and *Bernhardt, Sarah. A Spatial-Temporal Analysis of Wetland Alteration in Texas and Florida: Thirteen Years of Impact Along the Coast. (Forthcoming). *Wetlands*.
- Zahran, S., Peek, L., Brody, S.D. Youth Mortality by Forces of Nature. (Forthcoming). *Children, Youth, and Environments*.
- *Tang, Zhenghong, Lindell, M.K., Prater, C., and Brody, S.D. Measuring Tsunami Planning Capacity on the U.S. Pacific Coast. (Forthcoming). *Journal of Planning Education and Research*.
- Zahran, S., *Grover, H., Brody S.D., and Vedlitz, A. Risk, Stress, and Capacity: Explaining Metropolitan Commitment to Climate Protection. (Forthcoming). *Urban Affairs Review*.
- Zahran, S., Brody, S.D., Peacock, W.G., *Grover, H., and Vedlitz, A. Social Vulnerability and Flood Casualties in Texas, 1997-2001. (Forthcoming). *Disasters*.
- Zahran, S., Brody, S. D., Vedlitz, A., *Grover, H, and *Miller, C. Explaining Local Commitment to Climate Change Policy in the United States (Forthcoming). *Environment and Planning C*.
- Zahran, S., Hastings, D., Brody, S.D. Rationality, Inequity, and Civic Vitality: The Distribution of Treatment, Storage, and Disposal Facilities in the Southeast (Forthcoming). *Society and Natural Resources* 21(3).
- Brody, S.D., Zahran, S, Vedlitz, A., and *Grover, H. Examining the Relationship between Physical Vulnerability and Perceptions of Global Climate Change in the U.S. (2008). *Environment and Behavior* 40(1): 72-95.
- Brody, S.D., Zahran, S., Maghelal, P., Grover, H., and Highfield, W. (2007). The rising costs of floods: Examining the impact of planning and development decisions on property damage in Florida. *Journal of the American Planning Association* 73(3): 330-345.
- Brody, S.D., Zahran, S., *Highfield, Wesley E., *Grover, H., Vedlitz, A. Identifying the Impact of the Built Environment on Flood Damage in Texas. (Forthcoming, 2007). *Disasters* 32(1).

- Brody, S.D. and Zahran, S. Linking Particulate Matter and Sulfur Concentrations to Air Pollution Annoyance: Problems of Measurement, Scale, and Control. (2007). *International Journal of Epidemiology*, doi: 10.1093/ije/dym143.
- Brody, Samuel D., *Wesley E. Highfield, *Hyung-Cheal Ryu, *Laura Spanel-Weber. (2007). Examining the Relationship between Wetland Alteration and Watershed Flooding in Texas and Florida. *Natural Hazards* 40(2): 413-428.
- *Highfield, Wesley E. and Samuel D. Brody. (2006). The Price of Permits: Measuring the Economic Impacts of Wetland Development on Flood Damages in Florida. *Natural Hazards Review* 7(3): 23-30.
- Brody, S.D., *Himanshu Grover, *Sara Bernhardt, *Zhenghong Tang, *Bianca Whitaker, and *Colin Spencer. (2006). A Multi-Criteria, Spatial Site Suitability Analysis for Oil and Gas Exploration in Texas State Coastal Waters. *Environmental Management* 38:597-617.
- Zahran, Sammy, Brody, S.D., *Grover, H., and Vedlitz, A., (2006) Climate Change Vulnerability and Policy Support. *Society and Natural Resources* 19(9):771-789.
- Brody, S.D. and *Hyung-Cheal Ryu. (2006). Measuring the impact of a graduate course in sustainable development: transforming behavior through authentic learning environments. *Environmental Education Research* 12(2): 179-199.
- Brody, S.D., *Virginia Carrasco, and *Wesley E. Highfield. (2006). Measuring the Adoption of Local Sprawl Reduction Planning Policies in Florida. *Journal of Planning Education and Research* 25:294-310.
- *Hyung-Cheal Ryu and S.D. Brody. Can Higher Education Influence Sustainable Behavior? (2006). Examining the Impacts of a Graduate Course on Sustainable Development Using Ecological Footprint Analysis. *International Journal of Sustainability in Higher Education* 7(2): 158-175.
- Brody, S.D., Cash, S., *Thornton, S. and *Yust, J. (2006). Examining Motivations for Resource-Based Industry to Participate in Collaborative Ecosystem Management Initiatives. *Forest Policy and Economics* 8:123-134.
- Brody, S.D., *Wesley E. Highfield, and *Sara Thornton. (2006). Planning At the Urban Fringe: An Examination of the Factors Influencing Nonconforming Development Patterns in Southern Florida. *Environment and Planning B* 33: 75-96.
- Brody, S.D. and *Wesley E. Highfield. Does Planning Work? Testing the Implementation of Local Environmental Planning in Florida. (2005). *Journal of the American Planning Association* 71(2): 159-175.
- Brody, S.D., *Highfield, W. & Peck, M. (2005). Exploring the Mosaic of Perceptions of Water Quality Across Watersheds in San Antonio, TX. *Landscape and Urban Planning* 73: 200-214.
- Peacock, W.G., Brody, S.D. & *Highfield, W. (2005). Hurricane Risk Perceptions Among Florida's Single Family Homeowners. *Landscape and Urban Planning* 73: 120-135.

- *Dyke, Jennifer, Cash, Sean, Brody, Samuel D., and *Thornton, Sara. (2005). Examining Motivations for Collaborative Ecosystem Management within the Timber Industry. *Corporate Social Responsibility and Environmental Management* 12: 10-18.
- Brody, S.D., Peck, M. & *Highfield, W. (2004). Examining Localized Patterns of Air Quality Perceptions in Texas: A Spatial and Statistical Analysis. *Risk Analysis* 24(6): 1561-1574.
- Brody, S.D., *Highfield, Wesley, *Arlikatti, Sudha, *Bierling, David, *Ismailova, Roubabah, *Lee, Lai, and *Butzler, Rachel. (2004). Mapping Conflict on the Coast: Using Geographic Information Systems to Locate Potential Environmental Disputes in Matagorda Bay, TX. *Environmental Management* 34(1): 11-25.
- Brody, S.D., *Highfield, W. & *Carrasco, V. (2004). Measuring the Collective Capabilities of Local Jurisdictions to Manage Ecosystems in Southern Florida. *Journal of Landscape and Urban Planning* 69(1): 33-50.
- Brody, S.D., *Highfield, W. & Alston, L. (2004). Does Location Matter? Measuring Environmental Perceptions of Creeks in Two San Antonio Watersheds. *Environment and Behavior* 36(2): 229-250.
- Brody, S.D. (2003). Implementing the Principles of Ecosystem Management Through Local Land Use Planning. *Population and Environment* 24(6): 511-540.
- Brody, S.D. (2003). Examining the Role of Resource-Based Industries In Ecosystem Approaches to Management: An Evaluation of Comprehensive Plans In Florida. *Journal of Society and Natural Resources* 16(7): 625-641.
- Brody, S.D. (2003). Measuring the Effects of Stakeholder Participation on the Quality of Local Plans Based on the Principles of Collaborative Ecosystem Management. *Journal of Planning and Education Research* 22(4): 107-119.
- Brody, S.D. (2003). Examining the Effects of Biodiversity on the Ability of Local Plans to Manage Ecological Systems. *Journal of Environmental Planning and Management* 46(6): 733-754.
- Brody, S.D. (2003). Are We Learning to Make Better Plans? A Longitudinal Analysis of Plan Quality Associated with Natural Hazards. *Journal of Planning and Education Research* 23(2): 191-201.
- Brody, S.D., Godschalk, D. & Burby, R. (2003). Mandating Citizen Participation In Plan-Making: Six Strategic Choices. *Journal of American Planning Association* 69(3): 245-265.
- Godschalk, D., Brody, S.D., & Burby, R. (2003). Public Participation in Natural Hazard Mitigation Policy Formation: Challenges for Comprehensive Planning. *Journal of Environmental Planning and Management* 46(5): 733-754.
- Brody, S.D., *Carasco, V. & *Highfield, W. (2003). Evaluating Ecosystem Management Capabilities at the Local Level in Florida: Identifying Policy Gaps Using Geographic Information Systems. *Environmental Management* 32(6): 661-681.

UNDER REVIEW

Zahran, S., Brody, S.D., Kim, U., Vedlitz, A. Geographies of Media Use and Social Capital. *Communications Research*.

Brody, Samuel D., Zahran, Sammy, Grover, Himanshu, and A. Vedlitz. A Spatial Analysis of Local Climate Change Policy in the U.S.: Risk, Stress, and Opportunity. *Landscape and Urban Planning*.

Zahran, Sammy, Brody, S.D., Vedlitz, A., Lacy, M., and Schelly, C. Greening Local Energy: Explaining the Geographic Distribution of Household Solar Energy Use in the United States. *Journal of the American Planning Association*.

Baker, Justin, Shaw, W.D., Bell, D., Brody, S.D., Neilson, W. Explaining Subjective Risks of Hurricanes and the Role of Risks in Intended Moving and Location Choice Models. *Natural Hazards Review*.

Brody, Samuel D., Zahran, Sammy, *Highfield, Wesley, *Bernhardt, Sarah, and Vedlitz, Arnold. Policy Learning for Flood Mitigation: a longitudinal assessment of CRS activities in Florida. *Risk Analysis*.

*Denotes Student

TECHNICAL REPORTS

Ellis, C., Brody, S.D., Peacock, W., Wunneburger, D., Ndubisi, F., Maghelal, P., Shin, W.J., and Highfield, W. (2007). *Development of a Land Use Change Early Warning System*. Written for the National Park Service Gulf Coast Cooperative Ecosystem Studies Unit. College Station, TX: Texas A&M University.

Kyle, G., Shafer S., Culpepper, J., Watts, C., Crompton, J.L., Highfield, W., and Brody, S.D. (2007). *Land Evaluation Report for the Lower Colorado River Authority*. College Station, TX: Texas A&M University.

Brody, S.D. (2001). *Pinellas County: The Role of Focused Participation in the Comprehensive Planning Process*. Chapel Hill, NC: Center for Urban and Regional Studies.

Brody, S.D. (2001a). *The City of Sarasota, FL 1998 Comprehensive Plan: The Role of Communicative Culture and Informal Public Participation in Plan Making*. Chapel Hill, NC: Center for Urban and Regional Studies.

Brody, S.D. (2001b). *Public Participation in the City of Fort Lauderdale Comprehensive Plan: A Constituency Model of Plan Making*. Chapel Hill, NC: Center for Urban and Regional Studies.

Brody, S.D. (1998). *An Evaluation of Legal and Institutional Mechanisms for Establishing Marine Protected Areas in the Gulf of Maine*. Boston, MA.: Gulf of Maine Council on the Marine Environment. Report No. 1.

- Brody, S.D. (1998). *Evaluating the Role of Site Selection Criteria for Marine Protected Areas in the Gulf of Maine*: Gulf of Maine Council on the Marine Environment. Report No. 2.
- Brody, S.D. (1998). *An Evaluation of the Establishment Processes for Marine Protected Areas in the Gulf of Maine: Understanding the Role of Community Involvement and Public Participation*: Gulf of Maine Council on the Marine Environment. Report No. 3.
- Brody, S.D., ed. (1997). *Marine Protected Areas in the Gulf of Maine: A Report on the Results of a Workshop*. Augusta, ME: Gulf of Maine Council on the Marine Environment.
- Brody, S.D. (1996). *Marine Protected Areas in the Gulf of Maine: Building a Framework for an Ecosystem Approach to Management*. Master's thesis. Ann Arbor: University of Michigan. Reprinted as a technical report by the Maine State Planning Office in 1997.
- Brody, S.D. (1996). *Marine Protected Areas in the Gulf of Maine: A Survey of Marine Users and Other Interested Parties*. Augusta, ME: Gulf of Maine Council on the Marine Environment.

BOOKS & BOOK CHAPTERS

- Brody, S.D. *Ecosystem Planning: Evidenced-based Approaches for Local Decision Making in Florida*. (Forthcoming). Ashgate Press, UK, ISBN 0 7546 7249 2.
- Brody, S.D. (2003). Does Biodiversity Matter? Implementing the Principles of Ecosystem Management in Florida. Pgs. 223-233. In E. Beriatos, C.A. Brebbia, H. Coccossis, and A. Kungolos (eds). *Sustainable Planning and Development*. Southhampton, UK: WIT Press.
- Brody, S.D. (2005). Sustainable planning at the urban fringe: examining the factors influencing nonconforming development patterns in southern Florida. Pgs. 997-1006. E. Beriatos, H. Coccossis, and A. Kungolos (eds). In *Sustainable Planning and Development II*. Southhampton, UK: WIT Press.

UNDER REVIEW

- Cash, S.B. and Brody, S.D. "Bringing corporate stakeholders to the table in collaborative ecosystem." Book chapter under review at MIT Press, Washington, D.C.
- Brody, S.D. "Estimating Flood Damage in Texas using GIS: Predictors, Consequences, and Policy Implications." Book chapter under review at Springer Press.

CONFERENCE PROCEEDINGS

- Brody, S.D. & Wesley E. Highfield. (2006). Examining the Relationship between Wetland Alteration and Watershed Flooding in Texas and Florida: Causes, Consequences, and Policy Implications. In *Proceedings for the International Disaster Reduction Conference*. August 27-September 1, Davos, Switzerland. Davos: Swiss Federal Research Institute.

Brody, S.D., Carrasco, V. & Highfield, W. (2003). Evaluating Ecosystem Management Capabilities at the Local Level in Florida: A Policy Gap Analysis Using Geographic Information Systems. In *The Network Society: The New Context for Planning*. Proceedings from the ACSP-AESOP Third Joint Congress, July 8-12, 2003, Leuven, Belgium.

Brody, S.D. & Nicholson, B. (1999) Marine Protected Areas in the Gulf of Maine: Providing a Framework for an Ecosystem Approach to Management. In David Harmon (ed.), *On the Frontiers of Conservation: Proceedings of the Tenth Conference on Research and Resource Management in Parks and on Public Lands*. George Wright Society, Hancock, MI.

Brody, S.D. & Fenton, D. (1998). Marine Protected Areas in the Gulf of Maine: Building a Framework for an Ecosystem Approach to Management. In Burt, M.D.B. and Well, P.G. (eds.), *Proceedings of the Maritime Atlantic Ecozone Science Workshop* held in St. Andrews, NB.

BOOK REVIEWS

Manning, Richard. (2001). *An Inside Passage: A Journey Beyond Borders* Island Press: Washington, D.C. Reviewed in *Urban Land* 60(5), 30, 2001.

Wondolleck, J. and Yaffee, S. (2000). *Making Collaboration Work: Lessons from Innovation in Natural Resource Management*. Island Press: Washington, D.C. Reviewed in *Urban Land* 59(11), 38, 2000.

Cortner, H. and Moote, M. (1999). *The Politics of Ecosystem Management*. Island Press: Washington, D.C. Reviewed in *Urban Land* 59(8), 39, 2000.

Manning, P. (1999). *Islands of Hope: Lessons from North America's Great Wildlife Sanctuaries*. John F. Blair, Publisher: Winston-Salem, NC. Reviewed in *Urban Land* 59(6), 28, 2000.

Peck, S. (1998) *Planning for Biodiversity*. Island Press: Washington, D.C. Reviewed in *Urban Land* 58(11/12), 33, 1999.

National Research Council. (1997). *Striking a Balance: Improving Stewardship of Marine Areas*. National Academy Press: Washington, D.C. Reviewed in *Environment*, 40(6), 25, 1999.

INVITED LECTURES

2007 Linking Wetland Alteration to Coastal Flooding: Predictors, consequences, and policy implications. Houston Advanced Research Council, Woodlands, TX.

2007 Linking Wetland Alteration to Coastal Flooding: Predictors, consequences, and policy implications. Bayou Preservation Association, Houston, TX.

2007 Landscape Planning & Analysis: Mapping policy, perceptions, and policy implementation. Range Land Ecology and Management 410, Texas A&M University, College Station, TX.

2007 Understanding the Relationship Between Wetland Alteration and Coastal Flooding. Texas General Land Office, Austin, TX.

2007 Estimating Flood Damage in Texas: Predictors, consequences, and policy implications.

- Department of Engineering, Rice University, Houston, TX. Bush School of Government, TX A&M University, College Station, TX.
- 2007 Estimating Flood Damage in Texas: Predictors, consequences, and policy implications. Department of Engineering, Rice University, Houston, TX.
- 2006 Spatial Analysis in Environmental Planning. Spatial Sciences Lab, Introduction to Spatial Sciences. Texas A&M University, College Station, TX.
- 2006 Environmental Planning: Principles and Practices. PLAN 365. Texas A&M University, College Station, TX.
- 2006 Explaining Local Commitment to Climate Change. Environmental Research and Studies Center, University of Alberta, Edmonton, Alberta.
- 2006 Wetland Alteration in Galveston Bay, Texas. Galveston Bay Estuary Project (GBEP), Clearwater, TX.
- 2005 Landscape Planning and Spatial Analysis. RELM 410. Texas A&M University, College Station, TX.
- 2005 The Role of Industry in Managing Ecosystems. Sustainable Development Seminar Series. University of Texas.
- 2004 Introduction to Environmental Planning. PLAN 365. Texas A&M University, College Station, TX.
- 2004 Ecosystem Planning and Management. RLEM 481. Texas A&M University, College Station, TX.
- 2003 Watershed Planning and Management. Department of Engineering Sustainability Seminar Series. Texas A&M University, College Station, TX.
- 2003 Ecosystem Planning. Rangeland Ecology and Management Seminar Series. Texas A&M University College Station, TX.
- 2003 Evaluating Ecosystem Management Capabilities at the Local Level in Florida. Program on Conflict and Dispute Resolution Colloquium. Texas A&M University, College Station, TX.
- 2002 Watershed Management and Environmental Planning in the United States. GISECOBAG, Bordeaux University 1 Meeting. Bordeaux, France.
- 2002 Economy and Sustainable Planning. College of Natural Resources, Environmental Policy Seminary Series. University of California at Berkeley, Berkeley, CA.
- 2002 The Role of Industry in Ecosystem Approaches to Management. Sustainable Seminar Series. University of Texas, Austin, TX.

CONFERENCE PRESENTATIONS

- 2007 Policy Learning for Flood Mitigation: a longitudinal assessment of CRS activities in Florida. ACSP Conference, October 21, Milwaukee, WI.
- 2007 Policy Learning for Flood Mitigation: A longitudinal assessment of CRS activities in Florida. National Hazards Workshop, Hazards and Disasters Researchers Meeting. July 10, Boulder, Colorado.
- 2007 Explaining Local Commitment to Climate Change Policy in the United States. Florida Climate Change Conference. May 10, Tampa, Florida.
- 2007 Linking Wetland Alteration to Coastal Flooding: predictors, consequences, and policy implications. State of the Bay Symposium. January 24, Galveston, Texas.
- 2007 Examining the Impact of the Built Environment on Flood Losses in Texas. Sustainable Urbanism Conference, April 2, Texas A&M University, College Station, Texas.
- 2006 Estimating Flood Damage in Texas Using GIS: predictors, consequences, and policy implications. Geospatial Technology and Homeland Security University Symposium. November 15, Texas A&M University, College Station, Texas.
- 2006 Developing A Coastal Communities Planning Atlas: An Educational Tool for Decision Makers and Local Residents. Sea Grant Research Conference. October 8, Galveston, Texas.
- 2006 Explaining Local Commitment to Climate Change Policy in the United States. ACSP Conference. November 10-12, Fort Worth, Texas.
- 2006 National Hazards Workshop, Hazards and Disaster Researchers Meeting. July, Boulder, Colorado.
- 2006 Examining the Relationship between Wetland Alteration and Watershed Flooding in Texas and Florida: Causes, Consequences, and Policy Implications. International Disaster Reduction Conference. Davos, Switzerland.
- 2005 Examining the Relationship between Wetland Alteration and Watershed Flooding in Texas and Florida. ACSP Conference. Kansas City, MO.
- 2005 Sustainable Planning at the Urban Fringe: Examining the factors contributing to nonconforming development patterns in Florida. International Conference on Sustainable Planning and Development. Bologna, Italy
- 2004 Does Planning Work? Testing the Implementation of Local Environmental Planning in Florida. ACSP Conference. Portland, OR.
- 2003 Evaluating Ecosystem Management Capabilities at the Local Level in Florida: A Policy Gap Analysis. International Conference on Sustainable Planning and Development. Skiathos, Greece.
- 2001 Implementing the Principles of Ecosystem Management In Florida. ACSP 43rd Annual

- Conference. Cleveland, OH.
- 2000 A Model for Ecosystem Management Through Land Use Planning. Greater Everglades Ecosystem Restoration Science Conference. Naples, FL.
- 2000 Public Participation and Planning for Natural Hazards Mitigation. ACSP 42nd Annual Conference. Atlanta, GA.
- 1997 Evaluating a Network of Marine Protected Areas. Maritime Atlantic Ecozone Science Workshop. Huntsman Marine Science Center. St. Andrews, NB.
- 1997 Planning for Ecotourism in Maine. DownEast Ecotourism Conference. Hancock, ME.
- 1997 Marine Protected Areas: Results of a Survey. Gulf of Maine Marine Protected Areas Workshop Freeport, ME.

TEACHING EXPERIENCE

COURSES TAUGHT

- LDEV 671, Sustainable Development.
- PLAN 641, Environmental Planning.
- PLAN 620, Dispute Resolution.
- PLAN 689, SCMP Seminar: Planning for Coastal and Marine Protected Areas.
- NSF Sustainable Coastal Margins Seminar on Informational Technology and Science Education.

Semester	Course No.	Course Title	Credit Hours	Evaluation Score
<i>Spring, 2002</i>	PLAN 641	Environmental Planning	3	4.30
<i>Fall, 2002</i>	PLAN 620	Dispute Resolution	3	4.42
<i>Spring, 2003</i>	PLAN 641	Environmental Planning	3	4.58
<i>Spring, 2003</i>	*PLAN 689	Planning for Coastal & Marine Protected Areas	3	4.56
<i>Summer, 2003</i>	*PLAN 689	Sustainable Coastal Margins	3	NA
<i>Fall, 2003</i>	PLAN 620	Dispute Resolution	3	4.93
<i>Spring, 2004</i>	PLAN 641	Environmental Planning	3	4.66
<i>Spring, 2004</i>	LDEV 671	Sustainable Development	3	4.50
<i>Summer, 2004</i>	+PLAN 689	Sustainable Coastal Margins	3	NA
<i>Fall, 2004</i>	PLAN 620	Dispute Resolution	3	4.92
<i>Fall, 2004</i>	PLAN 689	Planning for Coastal & Marine Protected Areas	3	4.96
<i>Spring, 2005</i>	PLAN 641	Environmental Planning	3	4.54

<i>Spring, 2005</i>	LDEV 671	Sustainable Development	3	4.63
<i>Spring, 2006</i>	LDEV 671	Sustainable Development	3	4.44
<i>Spring, 2006</i>	PLAN 620	Dispute Resolution	3	4.62
<i>Fall, 2006</i>	PLAN 641	Environmental Planning	3	4.73
<i>Spring, 2007</i>	PLAN 620	Dispute Resolution	3	4.95
<i>Spring, 2007</i>	LDEV 671	Sustainable Development	3	
TOTAL/ AVERAGE			51 (as of 9/1/07)	4.65 (as of 09/1/07)

*Denotes a course that has never been taught in the Department.

+This course is taught through the NSF-sponsored Informational Technology and Science (ITS) program.

PH.D. COMMITTEES

Name	Faculty Role	Degree Sought	Topic/Title	Expected Date of Graduation
Hyung-Cheal Ryu	Chair	Urban & Regional Science	Ecological Footprint Analysis in Dallas County, TX	2005*
David Bierling	Chair	Urban & Regional Science	Coastal Zone Management	2009
Zhengong Tang	Chair	Urban & Regional Science	Watershed Management and Planning	2007*
Wes	Chair	Urban &	Wetland	2008

Highfield		Regional Science	Alteration & Coastal Flooding	
Sara Bernhardt	Chair	Urban & Regional Science	Coastal & Marine Planning	2008
Sudha Arlikatti	Member	Urban & Regional Science	Household Earthquake Adjustments	2005*
Roubabah Ismayilova	Member	Urban & Regional Science	Bio-fuel Production in TX	2007
Wesley Highfield	Chair	Urban & Regional Science	Wetland Alteration & Watershed Flooding	2008
Himanshu Grover	Chair	Urban & Regional Science	Climate Change Planning	2009
JunEun Kang	Co-Chair	Urban & Regional Science	Flood Planning	2009

* Graduated

MASTER'S COMMITTEES

Name	Faculty Role	Degree Sought	Topic/Title	Expected Date of Graduation
Jennifer Yust	Chair	Master's of Urban Planning	The Role of Resource-Based Industry In Ecosystem Management	2004*
Vicky Carrasco	Chair	Master's of Urban Planning	Examining Sprawl Reduction Planning Policies in Florida	2004*
Wes Highfield	Chair	Master's of Urban Planning	A Spatial Analysis of Air Quality in Dallas, TX	2004*
Sara Thornton	Chair	Master's of Urban Planning	Ecological Restoration	2005*
Missy Pollard	Chair	Master's of Urban Planning	Land Use Planning	2006*

Michael Dyke	Co-Chair	Master's of Urban Planning	Natural Hazards Management	2005
Paula Lorente	Co-Chair	Master's of Urban Planning	Wetland Mitigation Banking	2005*
Tracy Gwaltney	Member	M.S. in Rangeland Ecology	Modeling the Impacts on Runoff in a Rangeland Environment	2003*
Clint Wolfe	Member	M.S. in Water Resources Management	Water Resource Conflicts	2004*
Chris Butler	Member	Master's of Urban Planning	Public Participation in Planning Using Geographic Information Systems	2004*
Robin Stover	Member	Master's of Urban Planning	Plan Implementation	2004*
Dan Whitton	Member	Master's of Land Development	Wetland Mitigation	2005*
Lee Johnson	Member	Master's of Land Development	Sustainable Development	2005*
Katie Collier	Member	Architecture	Ecotourism and Environmental Education	2005*
Amber Davies	Member	Rangeland Ecology	Spatial Examination of Landowner Perceptions	2006*
De'Etra Young	Member	Forestry	GIS Tools & Water Quality	2006*
Himanshu Grover	Chair	Master's of Urban Planning	Climate Change Planning	2006*
Mathew Hilgemeier	Chair	Master's of Urban Planning	Greenway Planning	2007*
Jeffery Missal	Chair	Master's of Urban Planning	Hazards Planning	2008
Ching-Yu Chou	Chair	Master's of Urban	Environmental/land use	2008

Planning

planning

* Graduated

SERVICE ACTIVITIES

SCIENTIFIC JOURNAL AD HOC REVIEWS

Natural Hazards Review	Environmental Management
International Journal of Sustainable Planning and Development	Journal of Planning Education and Research
Society and Natural Resources	Journal of Environmental Planning and Management
Corporate Social Responsibility and Environmental Management	Conservation Biology
Journal of Landscape and Urban Planning	Land Use Policy
International Journal of Epidemiology	International Journal of Mass Emergencies and Disasters
Journal of the American Planning Association	

SCIENTIFIC PEER REVIEWS

Fall, 2007	Ad Hoc Proposal Review, National Science Foundation (NSF) Panel, Social, Behavioral, and Economic Sciences
Spring, 2007	Book Chapter Review, Geospatial Technology and Homeland Security, Springer Press
Fall, 2006	Proposal Review, National Science Foundation (NSF) Panel, Engineering Directorate
Summer, 2006	Ad Hoc National Science Foundation (NSF) proposal review, Division of Earth Sciences
Spring, 2005	Proposal Review, National Science Foundation (NSF) Panel, MUSES/Biocomplexity Program
Spring, 2004	Proposal Review, National Science Foundation (NSF) Panel
Fall, 2004	Proposal Review, National Science Foundation (NSF) Panel
2003	Proposal Review, NOAA Sea Grant Program
2002	Proposal Review, Joshua Venture Fellowship Program for Social Entrepreneurs

EXPERT PANELS AND WORKSHOPS

Hazards and Disaster Researchers Meeting, Boulder, Colorado. Sponsored by University of Colorado, July 2007.

Conservation Thresholds Workshop, Racine, Wisconsin. Sponsored by the Environmental Law Institute, March, 2007.

Hazards and Disaster Researchers Meeting, Boulder, Colorado. Sponsored by Texas A&M University, July 2006.

National Hazards Workshop, Boulder, Colorado, July, 2006.

COMMITTEES

International/National

Editorial Board, *Journal of the American Planning Association*, 2006 – present.

Editorial Board, *International Journal of Sustainable Planning and Development*, 2004 – present.

Moderator & Discussant, Hazards Vulnerability Session, ACSP Conference, November 10-12, Fort Worth, Texas.

International Scientific Advisory Committee, Annual Conference on Sustainable Planning and Development, 2003-2007.

International Conference on Sustainable Planning and Development, Environmental Legislation and Policy Session Chair, Skiathos, Greece, 2003.

University

2004 – present	<i>Phi Beta Kappa</i> , Charter Member.
2003 – 2005	Graduate Teaching Academy Mentor Program.
2003 – 2005	Executive Committee, Sustainable Coastal Margins Program
2002 – 2005	Advisory Committee, Sustainable Coastal Margins Program
2002 – 2005	Co-chair, Sustainable Coastal Margins Program Education Committee.
2002 – 2003	Steering Committee, University Program on Conflict Management and Dispute Resolution

College of Architecture

2007	Ad Hoc College Grievance Committee
2005 – present	College Research and Interdisciplinary Council (CRIC)

Department

2006 – present	Master's of Urban Planning Committee
2005 – present	Advisor, Urban and Regional Science Student Organization
2005 – present	Urban and Regional Science Program Committee
2004 – present	Co-Chair, Department Signature Search and Replacement Committee
2004	Department Head Search Committee
2004 – 2005	Master's of Land Development Advisory Committee
2002 – 2005	Advisor, Association for Student Planners
2002	Sustainable Coastal Margins Program Senior Faculty Search Committee