

Curriculum Vita

RAYMOND J. BURBY, Ph.D., FAICP

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1. Academic and Professional Experience:

Professor, Department of City and Regional Planning, University of North Carolina at Chapel Hill, 2000-date; 1987-1992.
John M. DeBlois Chair in Urban and Public Affairs, 1992-2000, and Distinguished Professor of Urban and Regional Planning, 1998-2000, College of Urban and Public Affairs, University of New Orleans.
Visiting Faculty, School of Social Science, Middlesex University, Enfield, United Kingdom, September - November 1998.
Fulbright Senior Scholar, School of Town Planning, University of New South Wales, Australia, January 1991 - June 1991.
Assistant Director for Research, 1976-1987; Senior Research Associate, 1972-1976, Center for Urban and Regional Studies, University of North Carolina at Chapel Hill.
Assistant Professor, 1969-1972; Lecturer, 1968-1969, Department of City and Regional Planning, University of North Carolina at Chapel Hill.

Courses Taught (since 1990):

Advanced Seminar in Research Design	Land Use Planning
Coastal Planning and Management	Land Use and Environmental Policy
Development and Environmental Management	Ph.D. Seminar
Hazard Mitigation Planning Seminar	Planning Workshop
Development Impact Assessment	Research Design Practicum
Freshman Seminar: Sustainable Cities	Thesis Research Seminar

Education:

A.B. (Government), The George Washington University, 1964
M.R.P. (Planning), The University of North Carolina at Chapel Hill, 1966
Ph.D. (Planning), The University of North Carolina at Chapel Hill, 1969

Academic Honors:

National Foundation on the Arts and Humanities Travel Fellowship,
University of North Carolina at Chapel Hill, 1967
American Institute of Planners Outstanding Student Award, University of
North Carolina at Chapel Hill, 1966

National Defense Education Act Fellowship, University of North Carolina at Chapel Hill, 1965-1968
Graduate Assistant, The University of North Carolina at Chapel Hill, 1964-1965
John Henry Cowles Prize (highest grade point average in the School of Government), The George Washington University, 1964
Boeing Company Scholarship, University of Washington, 1960-1962

2. Publications in Print

Books

Cooperating with Nature: Confronting Natural Hazards with Land-Use Planning for Sustainable Communities. Raymond J. Burby, ed. Washington, DC: Joseph Henry/National Academy Press, 1998.

Making Governments Plan: State Experiments in Managing Land Use. Raymond J. Burby and Peter J. May with Philip R. Berke, Linda C. Dalton, Steven P. French, and Edward J. Kaiser. Baltimore, MD: Johns Hopkins University Press, 1997. Reprinted in Korean by the Kyonggi Development Institute, Seoul, South Korea, 1998.

Environmental Management and Governance: Intergovernmental Approaches to Hazards and Sustainability. Peter J. May, Raymond J. Burby, Neil J. Ericksen, John W. Handmer, Jennifer E. Dixon, Sarah Michaels, and D. Ingle Smith. London: Routledge Publishers, 1996.

Sharing Environmental Risks. Raymond J. Burby with Beverly A. Cigler, Steven P. French, Edward J. Kaiser, Jack Kartez, Dale Roenigk, Dana Weist and Dale Whittington. Boulder, CO: Westview Press, 1991.

Cities Under Water. Raymond J. Burby, Scott A. Bollens, James Holway, Edward J. Kaiser, David Mullan, John R. Sheaffer. Program on Environment, Technology & Man Monograph #47. Boulder: Institute of Behavioral Science, University of Colorado, 1988.

Flood Plain Land Use Management. Raymond J. Burby and Steven P. French, with Beverly A. Cigler, Edward J. Kaiser, David H. Moreau, and Bruce Stiffler. Boulder, CO: Westview Press, 1985.

Electric Utility Load Management. Raymond J. Burby, Nicholas Didow, Mary Ellen Marsden, Michelle Bunn, Charles Hanna, and Stephen Johnston. Totawa, N. J.: Littlefield, Adams and Company, 1985.

Drinking Water Supplies: Protection Through Watershed Management. Raymond J. Burby, Edward J. Kaiser, Todd L. Miller, and David H. Moreau. Ann Arbor: Ann Arbor Science Publishers, 1983.

Energy and Housing. Raymond J. Burby and Mary Ellen Marsden, editors. Cambridge: Oelgeschlager, Gunn and Hain Publishers, Inc., 1980.

Energy and the Community. Raymond J. Burby and A. Fleming Bell, editors. Cambridge: Ballinger Publishing Company, 1978.

Schools in New Communities. Raymond J. Burby and Thomas G. Donnelly, Cambridge: Ballinger Publishing Company, 1977.

New Communities U.S.A. Raymond J. Burby and Shirley F. Weiss with Thomas G. Donnelly, Edward J. Kaiser, Robert B. Zehner, David F. Lewis, Norman H. Loewenthal, Mary Ellen Mc Calla, Barbara G. Rodgers, and Helene V. Smookler. Lexington, Mass.: D.C. Heath and Company, Lexington Books, 1976.

Recreation and Leisure in New Communities. Raymond J. Burby. Cambridge: Ballinger Publishing Company, 1976.

Health Care in New Communities. Norman H. Loewenthal and Raymond J. Burby. Cambridge: Ballinger Publishing Company, 1976.

New Communities Research Series. Shirley F. Weiss and Raymond J. Burby, editors. Cambridge: Ballinger Publishing Company, 1976-1977.

b. Articles in Refereed Publications

“Encouraging Residential Rehabilitation with Building Codes: New Jersey’s Experience.” Raymond J. Burby, David Salvesen, and Michael Creed. *Journal of the American Planning Association*, 72, 2 (Spring 2006): 183-196.

“Hurricane Katrina and the Paradoxes of Government Disaster Policy: Bringing About Wise Governmental Decisions for Hazardous Areas.” Raymond J. Burby. *The Annals of the American Academy of Political and Social Science* 604 (March 2006): 171-91. (Special issue: *Shelter from the Storm: Repairing the National Emergency Management System after Hurricane Katrina*, William L. Waugh, ed.)

“Have State Comprehensive Planning Mandates Reduced Insured Losses from Natural Disasters?” Raymond J. Burby. *Natural Hazards Review*, 6, 2 (May 2005), 67-81.

“Urban Containment and Central City Revitalization,” Arthur C. Nelson, Raymond J. Burby, Edward Feser, Casey J. Dawkins, Emil E. Malizia, and Roberto Quercia. *Journal of the American Planning Association*, 70, 4 (Autumn 2004): 411-425.

- “Joint Seismic and Technological Disasters: Possible Impacts and Community Preparedness in an Urban Setting,” Laura J. Steinberg, Victoria Basolo, Raymond Burby, Joyce N. Levine, and Ana Maria Cruz. *Natural Hazards Review*, 5, 4 (November 2004): 159-169.
- “Public Participation in Natural Hazard Mitigation Policy Formation: Challenges for Comprehensive Planning,” David R. Godschalk, Samuel Brody, and Raymond J. Burby. *Journal of Environmental Planning and Management*, 46, 5 (September 2003): 733-754.
- “The Tenure Trap: The Vulnerability of Renters to Joint Natural and Technological Disasters,” Raymond J. Burby, Laura J. Steinberg, and Victoria Basolo. *Urban Affairs Review*, 39, 1 (September 2003): 32-58.
- “Mandating Citizen Participation in Planning: Six Strategic Planning Choices,” Samuel D. Brody, David R. Godschalk, and Raymond J. Burby. *Journal of the American Planning Association*, 69, 3 (Summer 2003): 245-264.
- “Making Plans that Matter: Citizen Involvement and Government Action,” Raymond J. Burby. *Journal of the American Planning Association*, 69, 1 (Winter 2003): 33-49.
- “River Ecology and Flood Hazard Mitigation,” Thomas A. Birkland, Raymond J. Burby, David Conrad, Hanna Cortner, and William K. Mitchner. *Natural Hazards Review* 4, 1 (February 2003): 46-54.
- “Flood Insurance and Floodplain Management: The U.S. Experience,” Raymond J. Burby. *Journal of Environmental Hazards*, 3, 3 (2001): 111-122.
- “Urban Containment Policy and Exposure to Natural Hazards: Is There a Connection?” Raymond J. Burby, Arthur C. Nelson, Dennis Parker, and John Handmer. *Journal of Environmental Planning and Management*, 44, 4 (Summer 2001): 475-490.
- “Involving Citizens in Hazard Mitigation Planning: Making the Right Choices,” Raymond J. Burby, *The Australian Journal of Emergency Management*, 16 (3) (2001): 45-52.
- “Creating Hazard Resilient Communities through Land-Use Planning,” Raymond J. Burby, Robert E. Deyle, David R. Godschalk, and Robert B. Olshansky. *Natural Hazards Review* 1, 2 (May 2000): 99-112.
- “Code Enforcement Burdens and Central City Decline,” Raymond J. Burby, Peter J. May, Emil E. Malizia, and Joyce Levine. *Journal of the American Planning Association* 66, 2 (Spring 2000): 143-161.
- “Heavy Industry, People, and Planners: New Insights on an Old Issue,” Raymond J. Burby. *Journal of Planning Education and Research* 19, 1 (Autumn 1999): 15-

25.

- "Unleashing the Power of Planning to Create Disaster-Resistant Communities," Raymond J. Burby with Timothy Beatley, et al. *Journal of the American Planning Association* 65 (Summer 1999): 247-258. Reprinted in Howard Kunreuther and Adam Rose, Eds. *The Economics of Natural Hazards, Vol. II*. London: Edward Elgar Publishing, 2004, pp. 413-424. (Honorable Mention, 1999 JAPA Outstanding Article Award from American Planning Association; Silver Award from Society of National Association Publications, 1999 Feature Article Awards).
- "Making Building Codes an Effective Tool for Earthquake Hazard Mitigation," Raymond J. Burby and Peter J. May. *Environmental Hazards* 1, 1 (June 1999): 27-37.
- "Policy Design for Earthquake Hazard Mitigation," Peter J. May, Raymond J. Burby, and Howard Kunreuther. *Earthquake Spectra* 14, 4 (November 1998): 629-650
- "Improving Compliance with Regulations: Choices and Outcomes for Local Government," Raymond J. Burby, Peter J. May, and Robert B. Paterson. *Journal of the American Planning Association*, 64, 3 (Summer 1998): 324-334.
- "Making Sense Out of Regulatory Enforcement," Peter J. May and Raymond J. Burby. *Law and Policy* 20, 2 (April 1998): 157-182.
- "Plans, Code Enforcement, and Damage Reduction: Evidence from the Northridge Earthquake," Raymond J. Burby, Steven P. French, and Arthur C. Nelson. *Earthquake Spectra*, 14, 1 (February 1998): 59-74.
- "Intergovernmental Environmental Planning: Addressing the Commitment Conundrum," Raymond J. Burby and Peter J. May. *Journal of Environmental Planning and Management*, 41, 1 (January 1998): 95-110.
- "Coping with Chemicals: Blacks, Whites and Industrial Pollution," Raymond J. Burby and Denise E. Strong. *Journal of the American Planning Association*, 63,4 (Autumn 1997): 469-480.
- "Is Federal Disaster Relief at Odds with Mitigation?" Raymond J. Burby. *Forum for Applied Research and Public Policy*, 11, 3 (Fall 1996): 109-113.
- "Enhancing Plan Quality: Evaluating the Role of State Planning Mandates for Natural Hazard Mitigation," Philip R. Berke, Dale J. Roenigk, Edward J. Kaiser, and Raymond J. Burby. *Journal of Environmental Planning and Management*, 37, 2 (1996): 155-169.
- "Coercive Versus Cooperative Policies: Comparing Intergovernmental Mandate Performance," Peter J. May and Raymond J. Burby. *Journal of Policy Analysis and Management*, 15, 2 (March 1996): 171-201.

- “Protecting Tourists from Death and Injury in Coastal Storms,” Raymond J. Burby and Fritz W. Wagner. *Disasters*, 20, 1 (March 1996): 49-60.
- "Coercive Versus Cooperative Pollution Control: Comparative Study of State Programs to Reduce Erosion and Sedimentation Pollution in Urban Areas," Raymond J. Burby. *Environmental Management*, 19, 3 (May/June 1995): 359-370.
- “Floodplain Planning and Management: Research Needed for the 21st Century,” Raymond J. Burby. *Water Resources Update*, 97 (Autumn 1994): 44-51.
- "Mandates, Plans and Planners: Building Local Commitment to Development Management," Linda C. Dalton and Raymond J. Burby, *Journal of the American Planning Association*, 60 (Autumn 1994): 444-461. (First place, 1994 JAPA Outstanding Article Award from American Planning Association)
- "Plans Can Matter! The Role of Land Use Plans and State Planning Mandates in Limiting the Development of Hazardous Areas," Raymond J. Burby and Linda Dalton, *Public Administration Review*, 54, 3 (May/June 1994): 229-237.
- "Improving Compliance with State Development Regulations," Raymond J. Burby and Robert G. Paterson, *Journal of Policy Analysis and Management*, 12, 4 (1993): 753-772.
- "Costs and Benefits of Urban Erosion and Sediment Control: The North Carolina Experience," Robert G. Paterson, Michael Luger, Raymond J. Burby, Edward J. Kaiser, H. Rooney Malcom, and Alicia C. Beard, *Environmental Management*, 17, 2 (1993): 167-178.
- "Reducing Flood Losses through Local Planning and Land Use Controls," James M. Holway and Raymond J. Burby, *Journal of the American Planning Association*, 59 (Spring 1993): 205-216.
- "Comprehensive Impact Assessment in Planning Education and a Course Syllabus," Raymond J. Burby, *Journal of Planning Education and Research*, 12, 1 (Fall 1992): 101-109.
- "Local Government and Public Adaptation to Sea-Level Rise," Raymond J. Burby and Arthur C. Nelson, *ASCE Journal of Urban Planning and Development*, 117, 4 (December 1991): 1-14.
- "Sewering the Coast: Bane or Blessing to Marine Water Quality," Robert G. Paterson, Raymond J. Burby, and Arthur C. Nelson, *Coastal Management*, 19, 2 (1991): 239-252.

- "Wasterwater Planning and Administration Concerns Along the Southeastern U.S.Coast," Arthur C. Nelson, Raymond J. Burby, and William Drummond, *ASCE Journal of Urban Planning and Development*, 117, 1 (March 1991): 32-40.
- "The Effects of Floodplain Development Controls on Residential Land Values," James M. Holway and Raymond J. Burby. *Land Economics*, 66, 3 (August 1990): 259-271.
- "Providing for the Housing Needs of the Elderly" Raymond Burby and William M. Rohe. *Journal of the American Planning Association*, 56 (Summer 1990): 324-340.
- "Financial Performance Guarantees: The State of Practice," Wayne M. Feiden, Raymond J. Burby, and Edward J. Kaiser. *Journal of the American Planning Association*, 55 (Autumn 1989): 482-489.
- "Deconcentration of Public Housing: Effects on Residents' Satisfaction Their Living Environments and Their Fear of Crime. Raymond J. Burby and William M. Rohe. *Urban Affairs Quarterly*, 25 (September 1989): 115-139.
- "Private Profit and Public Safety as Outcomes of Local Land-Use Regulation," Scott A. Bollens, Edward J. Kaiser, and Raymond J. Burby. *Environment and Planning B: Planning and Design*, 16 (1989): 7-22.
- "Fear of Crime in Public Housing," William M. Rohe and Raymond J. Burby. *Environment and Behavior*, 20 (November 1988): 700-720.
- "How Can We Assess the Content of Urban Research?" Raymond J. Burby and Edward J. Kaiser. *Urban Affairs Quarterly*, 24 (September 1988): 33-38.
- "Evaluating the Effects of Local Floodplain Management Policies on Property Owner Behavior," Scott A. Bollens, Edward J. Kaiser, and Raymond J. Burby, *Environmental Management*, 12, (1988): 311-325.
- "Coordination of Water and Sewer Extension Policy with Land Use Planning: Key Factors Influencing the State of Practice." Raymond J. Burby, Edward J. Kaiser, and David H. Moreau. *Journal of Urban Affairs*, 10 (1988, 2): 119-139.
- "Private Sector Land Market Decision Agents as Targets of Floodplain Policy." Edward J. Kaiser, Raymond J. Burby, Scott A. Bollens, and James M. Holway. *The International Journal of Mass Emergencies and Disasters*, 5 (1987, 3): 311-335.
- "The Rural Community Response to a National Mandate: An Assessment of Floodplain Land Use Management," Beverly Cigler, Bruce Stiffler, Raymond Burby, *Publius, The Journal of Federalism*, 17 (Fall 1987): 113-130.

- "An Assessment of Urban Floodplain Management in the United States," Raymond J. Burby. *ASFPM Technical Bulletin*, 1 (June 1987): 1-29.
- "Roles of the States in Urban Stormwater Management," Edward J. Kaiser and Raymond J. Burby. *Water Resources Bulletin*, 23 (June 1987): 443-453.
- "Taxicab Operating Characteristics in the United States," C. Gorman Gilbert, Raymond J. Burby, Charles F. Feibel, *Transportation*, 12 (1984): 173-184.
- "Coping with Floods: The Land Use Management Paradox," Raymond J. Burby and Steven P. French, *Journal of the American Planning Association*, 47 (July 1981): 289-300.
- "The U.S. Experience in Managing Flood Plain Land Use," Raymond J. Burby and Steven P. French, *Disasters: The International Journal of Disaster Studies and Practice*, 4 (December 1980): 451-457.
- "Public Policy for Suburban Integration," Raymond J. Burby and Shirley F. Weiss, *Urban Law Annual*, 11 (1976): 101-129.
- "A National Evaluation of Community Services and the Quality of Life in American New Towns," Raymond J. Burby, Shirley F. Weiss and Robert B. Zehner, *Public Administration Review*, 35 (May-June 1975): 229-239.
- "Evaluation of New Communities: USA," Shirley F. Weiss, Raymond J. Burby, III, and Robert B. Zehner, *Ekistics*, 39 (June 1975): 423-428.
- "Vacation Home Location: A Model for Simulating the Residential Development of Rural Recreation Areas," Raymond J. Burby, Thomas G. Donnelly, and Shirley F. Weiss, *Regional Studies*, 6 (December 1972): 421-439.
- "Simulating the Residential Development of Rural Recreation Areas," Raymond J. Burby, Thomas G. Donnelly, and Shirley F. Weiss, *The Review of Regional Studies*, 3 (Fall 1972): 165-178.
- "A Quantitative Analysis of Factors Influencing Residential Location in Reservoir Recreation Areas," Raymond J. Burby, *Journal of Leisure Research*, 3 (Spring 1971): 69-80.
- "Environmental Aspects of Municipal Policy Outputs: Planning and Growth-Related Policies," Raymond J. Burby, *The Review of Regional Studies*, 1 (Fall 1970): 103-116.

c. Chapters in Books and Proceedings

- “Chapter 4: Response: Are We Planning Safer Communities?” Michele Steinberg and Raymond J. Burby. In John Nolan, ed. *Losing Ground*. Washington, DC: Environmental Law Institute, in press.
- “The Problems of Containment and the Promise of Planning,” Raymond J. Burby, Arthur C. Nelson and Thomas Sanchez. In Eugenie Birch and Susan Wachter, eds., *Rebuilding Urban Places after Disasters: Lessons from Hurricane Katrina*, Philadelphia: University of Pennsylvania Press, 2006, pp. 47-65.
- "Impacts of Building Code Enforcement on the Housing Industry." Raymond J. Burby. In F.W. Wagner, A.J. Mumphy, T.E. Joder, and K.M. Akundi, eds. *Revitalizing the City: Strategies to Contain Sprawl and Revive the Core*, , M.E. Sharpe, 2005, pp. 141-159.
- “The Effect of Regional Smart Growth on Metropolitan Growth and Construction: A Preliminary Assessment,” Arthur C. Nelson and Raymond J. Burby. In Fritz W. Wagner, Anthony J. Mumphy, Timothy E. Joder, and Krishna M. Akundi, Eds. *Revitalizing the City: Strategies to Contain Sprawl and Revive the Core*. New York: M.E. Sharpe, 2005, pp. 126-140.
- “Residential Flood Insurance and Floodplain Management: Lessons from the United States,” Raymond J. Burby in *Proceedings of the Workshop on Residential Flood Insurance: The Implications for Urban Floodplain Management Policy in Australia*, D. Ingle Smith and John Handmer, eds. Canberra, Australia: Water Research Foundation of Australia, Australian National University, 2002, pp. 11-39.
- “Earthquake-Induced Technological Disasters: A Case Study of Possible Effects and Emergency Response in the Urban Environment,” Laura J. Steinberg, Victoria Basolo, Raymond Burby, Joyce N. Levine, and Ana Maria Cruz, In Proceedings of the 7th National Conference on Earthquake Engineering, Boston, MA, July 21-25, 2002. Oakland, CA: Earthquake Engineering Research Institute, 2002.
- “Reconstruction/Disaster Planning: United States,” Raymond J. Burby, in *International Encyclopaedia of the Social & Behavioral Sciences*, N. J. Smelser and P. B. Baltes, eds. Amsterdam: Pergamon/Esevier Science, 2001, pp. 12841-12444.
- “Chapter 28 Land Use Planning for Flood Hazard Reduction: The United States Experience,” Raymond J. Burby in *Floods*, Volume II, Dennis Parker, ed., London: Routledge, 2000, pp. 6-18.
- “Chapter 11 Living with Industry in Compact Communities: Neighbourhood Safety and the Quality of Community Life,” Raymond J. Burby and David M. Moore, in *Compact Cities and Sustainable Urban Development*, Gert de Roo and Donald Miller, eds. Aldershot, UK: Ashgate, 2000, pp. 127-149.

- “Chapter 10 Baton Rouge: The Making (and Breaking) of a Petrochemical Paradise,” Raymond J. Burby, in *Transforming New Orleans and Its Environs: Centuries of Change*, Craig Colten, ed. Pittsburgh, PA: University of Pittsburgh Press, 2000, pp. 160-177.
- “Chapter 5 Environmental Assessment,” Margot Garcia, Robert Olshansky, and Raymond J. Burby in *The Practice of Local Government Planning*, 3rd Edition, Frank So, Linda Dalton, and Charles Hoch, eds. Washington, DC: International City Management Association and American Planning Association, 2000, pp. 87-118.
- “Hazard Information and Local Government Commitment to Hazard Mitigation,” Raymond J. Burby in *Proceedings of the 6th International Conference on Seismic Zonation*, Oakland, CA: Earthquake Engineering Research Institute, November 2000.
- “Issues for Regulatory Enforcement and Compliance with Building Codes: American Perspectives,” Raymond J. Burby and Peter J. May in *Proceedings of the 12th World Conference on Earthquake Engineering*, Auckland: New Zealand Society for Earthquake Engineering, January 2000.
- “Involving Citizens in Hazard Mitigation: Making the Right Choices,” Raymond J. Burby in *Proceedings of the Australian Disaster Conference 1999*. Dickson, ACT: Emergency Management Australia, Department of Defence, November 1999, pp. 105-110.
- "Seismic Safety in Suburbia: Code Enforcement, Planning and Damages in the Northridge Earthquake," Raymond J. Burby and Steven P. French, in *Proceedings of the NEHRP Conference and Workshop on Research on the Northridge, California Earthquake of January 17, 1994*. Richmond, CA: California Universities for Research in Earthquake Engineering, 1998, pp. 268-275.
- “Natural Hazards and Land Use,” Raymond J. Burby, in *Cooperating with Nature: Confronting Natural Hazards with Land-Use Planning for Sustainable Communities*, Raymond J. Burby, ed. Washington, DC: Joseph Henry/National Academy Press, 1998, pp. 1-26..
- “Policy Directions for the States and Nation,” Raymond J. Burby, in *Cooperating with Nature: Confronting Natural Hazards with Land-Use Planning for Sustainable Communities*. Raymond J. Burby, ed. Washington, DC: Joseph Henry/National Academy Press, 1998, pp. 263-291.
- “Organization of Mega-Cities: The Planning and Decision-Making Perspective,” *Proceedings of the First International Earthquake and Megacities Workshop*, Seeheim, Germany, September 1-4, 1997. Bonn, Germany: United Nations University and German IDNDR Committee for Natural Disasters, December

1997, pp 309-318.

- “Hazard Management and Governance: Evaluating Intergovernmental Approaches,” Peter J. May, Raymond J. Burby, John Handmer, and D. Ingle Smith, in *NDR 96, Papers Presented to the Conference on Natural Disaster Reduction 1996, Surfers Paradise, Queensland, 29 September - 2 October 1996*, R.L. Heathcote, C. Cuttler, and J. Koetz, eds., Barton, A.C.T., Australia, Institution of Engineers, Australia, 1996, pp. 69-76.
- “Making Governments Plan: Examining Land Use Planning Mandates,” Peter J. May and Raymond J. Burby, in *Proceedings of the Fifth International Conference on Seismic Zonation*, Nice, France, October 17-19, 1995. Nantes, France: Quest Editions, 1995, pp. 818-825.
- "State Planning Mandates and Coastal Management," Raymond J. Burby and Linda C. Dalton, in *Coastal Zone '93*, Orville Magoon, ed. New York: American Society of Civil Engineers, 1993, pp. 1069-1083.
- "Chapter XI: The Role of Floodproof Retrofitting in Floodplain Management," Raymond J. Burby, in *Floodproof Retrofitting: Homeowner Self-Protective Behavior*, Shirley Laska, ed., Boulder, CO: Institute of Behavioral Science, University of Colorado, 1991, pp. 199-220.
- "Floods," Beverly Cigler and Raymond J. Burby, in *Handbook of Emergency Management Policies and Programs*, William L. Waugh, Jr. and Ronald J. Hy, eds. Westport: Greenwood Press/Quorum Books, 1990.
- "The National Flood Insurance Program's Impacts on the Development of Riverine Floodplains," Raymond J. Burby and James M. Holway, in *Challenge Ahead: Flood Loss Reduction Strategies for the '90s*, Boulder, CO: Institute for Behavioral Science, University of Colorado, 1990, pp. 3-6.
- "Local Flood Hazard Management: Lessons from National Research," Beverly Cigler and Raymond J. Burby, in *Cities and Disaster: North American Studies in Emergency Management*, Richard T. Sylves and William Waugh, eds. Springfield, Ill.: Charles C. Thomas Publishing, 1990, pp. 59-74.
- "Exactions in Managing Growth: The Land Use Planning Perspective," Edward J. Kaiser and Raymond J. Burby, *New York Affairs*, 10 (Winter 1988): 113-126. Reprinted in *Private Supply of Public Services: Evaluation of Real Estate Exactions, Linkage, and Alternative Land Policies*, Rachelle Alterman, ed., New York: New York University Press, 1988, pp 113-126.
- "The Anatomy of Local Government Losses to State and Local Government Property from Natural Hazards," Raymond J. Burby and Jack Kartez, in *Floodplain Harmony*, Special Publication #6. Boulder: Natural Hazards Research and

- Applications Information Center, Institute of Behavioral Science, University of Colorado, 1988, pp. 155-164.
- "Local Governments' Use of Water and Sewer Impact Fees and Related Policies: The State of Practice in the Southeastern United States," Edward J. Kaiser, Raymond J. Burby, and David Moreau, in *Impact Fees*, Arthur C. Nelson, ed., Chicago: APA Planners Press, 1988, pp. 22-36.
- "Wastewater Planning and Administration in Southeastern Coastal Jurisdictions," Arthur C. Nelson and Raymond J. Burby, in *Proceedings of the Symposium on Coastal Water Resources*, William L. Lyke and Thomas J. Hoban, eds. Bethesda, MD: American Water Resources Association, 1988, pp. 821-826.
- "Status of Local Programs in Flood Hazard Reduction," Raymond J. Burby, in *Flood Hazard Management in Government and the Private Sector*, Boulder, Col.: Natural Hazards Research and Applications Information Center, University of Colorado, 1986.
- "Monitoring Options: Questionnaires, Telephone and On-Site Surveys," Raymond J. Burby, in *Evaluating the Effectiveness of Floodplain Management Techniques and Community Programs*, Boulder, Colo.: Natural Hazards and Research Applications Information Center, Institute of Behavioral Science, University of Colorado, 1985, pp. 90-93.
- "Effectiveness of State Assistance Programs for Flood Hazard Mitigation," Raymond J. Burby and Beverly A. Cigler, in *Regional and State Water Resources Planning*, Randall Charbeneau, ed. Bethesda, Md.: American Water Resources Association, 1984.
- "Second Homes in Western North Carolina," Raymond J. Burby, in *Proceedings of the Conference on Stewardship of the Mountain Environment*. Boone, N.C.: Appalachian State University, 1984, pp. 23-28.
- "Land Use Planning and Health," Raymond J. Burby and Daniel A. Okun, in *Annual Review of Public Health*, Vol. 4. Palo Alto, Calif.: Annual Reviews, Inc., 1983, pp. 47-67.
- "Energy Conservation in Single-Family Housing," Edward J. Kaiser, Mary Ellen Marsden, and Raymond J. Burby, in *Energy and Land Use*, Robert W. Burchell and David Listokin, eds. New Brunswick, N.J.: Center for Urban Policy Research, Rutgers University, 1982, pp. 278-308.
- "Case Study Evaluation of the Boston Neighborhood Improvement Program, Winston-Salem, North Carolina," Ellen Rullestad, William Rohe, and Raymond J. Burby, in *Occasional Papers in Housing and Community Affairs*. Washington: U.S. Department of Housing and Urban Development, 1981.

"The Adoption of Energy Conservation Features in New Homes: Current Practices and Proposed Policies," Edward J. Kaiser, Mary Ellen Marsden and Raymond J. Burby, in *Energy in the Cities Symposium*, Joel Werth, ed.. Chicago: American Planning Association, 1980.

"Current Practice in Managing Coastal Flood Hazards," Steven P. French and Raymond J. Burby, in *Coastal Zone '80*, Billy L. Edge, ed. New York: American Society of Civil Engineers, 1980, pp. 1204-1215.

"Prefacing Remarks on the National Flood Insurance Program," Raymond J. Burby, in *Hurricanes and Coastal Storms: Awareness, Evacuation and Mitigation*, Earl J. Baker, ed. Gainesville, Fla.: Marine Advisory Program, University of Florida, 1980, pp. 71-72.

"Adoption of Energy Conservation Technologies in the Production of Residential Environments," Raymond J. Burby and Mary Ellen Marsden, in *Proceedings of the 1979 National Conference on Technology for Energy Conservation*. Rockville, Md.: Information Transfer, Inc., 1979, pp. 439-449

"New Communities U.S.A.," Raymond J. Burby and Shirley F. Weiss, et al., in *New Perspectives on the American Community*, Third Edition, Roland L. Warren, ed. Chicago: Rand McNally College Publishing Company, 1977, pp. 582-592.

"Conference on City Centers in Transition—Redesigning the Urban Environment for New Patterns of Living," Shirley F. Weiss, Raymond J. Burby, III, and Barbara G. Rodgers, in *RANN 2, Realizing Knowledge as a Resource, Volume IV: Coping with Man-Made and Natural Hazards*. Washington: U.S. Government Printing Office, 1977, pp. 135-138.

"Environmental Amenities and New Community Governance: Results of a Nationwide Study," Raymond J. Burby, in *Man-Environment Interactions: Evaluations and Applications* (EDRA 5 Community Development Series, Vol. 22), Daniel H. Carson, ed. New York: Halstead Press, 1975, pp. 101-123.

d. Book Reviews, Other Articles, Research Monographs

"Review of *Environmental Land Use Planning and Management* by John Randolph and *The Environmental Planning Handbook* by Tom Daniels and Kathleen Daniels. *Journal of the American Planning Association* 71, 1 (Winter 2005): 98-99.

"Appendix: The Effect of Regional Smart Growth on Metropolitan Growth and Construction: A Preliminary Assessment," Arthur C. Nelson and Raymond J. Burby. In *The Jobs Are Back in Town: Urban Smart Growth & Construction Employment*. Washington, DC: Good Jobs First, November 2003, pp. 43-56..

“Elements of Financial Performance Guarantees,” Wayne Feiden and Raymond Burby. *Public Investment*, September 2002.

Performance Guarantees for Government Permit-Granting Authorities, Planning Advisory Service Report Number 508, Wayne Feiden and Raymond J. Burby. Chicago: American Planning Association, July 2002. 80pp.

“Growing Safe.” Michelle Steinberg and Raymond J. Burby. *Planning, the Magazine of the American Planning Association* 68, 4 (April 2002): 22-23.

Building Disaster Resilient Communities: A Higher Education Course. Instructors Guide. Raymond J. Burby with the assistance of Timothy Beatley, David J. Brower, Robert E. Deyle, Steven P. French, David R. Godschalk, Edward J. Kaiser, Jack Kartez, Robert B. Olshansky, Robert B. Paterson, and Anna K. Schwab. Emmitsburg, MD: Emergency Management Institute, Federal Emergency Management Agency, 2002.

Review of *Rising Tide: The Great Mississippi Flood of 1927 and How It Changed America* by John M. Barry and *Isaac’s Storm: A Man, a Time, and the Deadliest Hurricane in History* by Erik Larson. *Journal of the American Planning Association*, 66, 3 (Summer 2000): 337-339.

“Undue Burden: Cities Can Lesson the Burden of Code Compliance by Revising Enforcement Practices,” Raymond J. Burby, Emil Malizia, and Peter J. May. *Urban Land*, March 2000, pp. 18-19.

No Time to Lose: Facing the Future of Louisiana and the Crisis of Coastal Land Loss. Raymond J. Burby, et al. Baton Rouge, LA: Coalition to Restore Coastal Louisiana, 2000.

Adoption and Enforcement of Earthquake Risk Reduction Measures. Peter J. May, Raymond J. Burby, T. Jens Feeley, and Robert Wood. PEER Report 99-4. Berkeley, CA: Pacific Earthquake Engineering Research Center, University of California, August 1999 (Also available at: <http://peer.berkeley.edu/publications/PEER-199904/index.html>).

Model Sediment Control Ordinance Stormwater Permit-Phase III. Donald E. Barbe’, Raymond J. Burby, and Michael Alday. Final Report, Louisiana Department of Environmental Quality, OCR Interagency Agreement No. 852-900109. New Orleans, LA: Urban Waste Management and Research Center, College of Engineering, University of New Orleans, 1999. 25 pp.

Energy Efficiency Programs as a Model for Policy to Promote Hazard Mitigation in Single-Family Residential Buildings. Sandra C. McMillan and Raymond J. Burby. DURPS Working Paper. New Orleans, LA: College of Urban and Public Affairs, University of New Orleans, July 1998.

- Review of *Disaster Evacuation Behavior: Tourists and Other Transients* by Thomas E. Drabek. *Disasters, The Journal of Disaster Studies and Management*, 22, 2 (June 1998): 181-182.
- Review of *Environmentally Devastated Neighborhoods: Perceptions, Policies, and Realities* by Michael Greenberg and Dona Schneider. *American Scientist*, 86 (March/April 1998): 204.
- "Fifteen Steps to Effective Code Enforcement," Raymond J. Burby and Peter J. May. *Carolina Planning* 22, 1 (Fall 1996): 35-40.
- "State Mandates and Local Policy: An Invited Comment," Peter J. May and Raymond J. Burby. *Natural Hazards Observer*, 20, 5 (May 1996): 1-3.
- Review of *An Introduction to Coastal Zone Management* by Timothy Beatley, David Brower, and Anna Schwab in *Journal of Planning Education and Research*, 14, 4 (Summer 1995): 298-300.
- Through Their Eyes: Survey Results of Lower Income Residents in the Louisiana Industrial Corridor*. Eight Volumes. Raymond J. Burby. New Orleans: College of Urban and Public Affairs and Department of Civil and Environmental Engineering, University of New Orleans, February 1995.
- Inventory of Programs and Projects and Base Programs Action Plan*. Barataria-Terrebonne National Estuary Program. Publication No. 12. Shirley Laska, Carolyn Creed, Raymond J. Burby, Michael Poirrier and Robert Whelan. Thibodaux, LA: Barataria-Terrebonne National Estuary Program, September 1994.
- "Is State-Mandated Planning Effective," Raymond J. Burby, Philip Berke, Linda Dalton, Steven French, Edward Kaiser, Peter May, and Dale Roenigk, *Land Use Law and Zoning Digest*, 45 (October 1993): 3-9.
- Review of *Land Use Control: Geography, Law and Public Policy* by Rutherford H. Platt, in *Journal of the American Planning Association*, 59, 4 (Autumn 1993): 501-502.
- "Action Agenda for Managing the Nation's Floodplains," National Review Committee (Raymond J. Burby, Gerald E. Galloway, et al.), *Special Publication 25*, Boulder, CO: Natural Hazards Research and Applications Information Center, Institute of Behavioral Science, University of Colorado, March 1992. 15 pp. Reprinted in Federal Interagency Floodplain Management Task Force, *Floodplain Management in the United States: An Assessment Report*, Washington, DC: U.S. Government Printing Office, 1992, pp. F-1 - F-22.

Damage to Urban Infrastructure and Public Property from the Loma Prieta Earthquake, Steven P. French with Raymond J. Burby, Michael Jaffe, and Steven White. Final Report to the National Science Foundation, Research Grant No.BCS-9011134, Atlanta: Graduate City Planning Program, Georgia Institute of Technology, May 1992, 72 pp.

Evaluation of Urban Stormwater Maintenance in North Carolina. Dale J. Roenigk, Robert G. Paterson, Maureen A. Heraty, Edward J. Kaiser, and Raymond J. Burby. Raleigh, NC: Water Resources Research Institute of the University of North Carolina, June 1992. 183 pp.

"Introduction to Symposium on Urban America: The Decade Ahead," Beverly A.Cigler and Raymond J. Burby, *Journal of Urban Affairs*, 13, 1 (Winter 1991): 1-3.

Impacts of Rapid Transit Stations on Land Use. Herman Huang and Raymond J. Burby. Raleigh: Institute of Transportation Research and Education, University of North Carolina, 1991.

Fort Bragg - Pope Air Force Base Impact Assessment. Edward J. Kaiser, GerardMcMahon, Raymond J. Burby, David R. Godschalk, Harvey Goldstein, Donald M. Meisel, Wei Qin, and Don F. Reitz. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, September, 1990. 100 pp.

Evaluation of the North Carolina Erosion and Sedimentation Control Program. Prepared for the North Carolina Sedimentation Control Commission and N.C. Division of Land Resources, Department of Environment, Health and Natural Resources. Raleigh: Department of Civil Engineering, North Carolina State University, 1990. 250 pp.

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"A Report Card on Urban Erosion and Sedimentation Control in North Carolina," Raymond J. Burby, Edward J. Kaiser, Michael I. Luger, Robert G. Paterson, H. Rooney Malcom, and Alicia C. Beard, *Carolina Planning*, 16, 2 (Fall 1990): 28-36.

"Perspective: Keeping Dry in Oz," Raymond J. Burby, *Urban Affairs*, (Spring 1991): 2-4.

"Rejoinder to Webber and Klammer," Raymond J. Burby and William M. Rohe, *Urban Affairs Quarterly*, 26, 3 (March 1991): 454-456.

Background Program Description Report. Public Housing Homeownership Demonstration. Prepared for U.S. Department of Housing and Urban Development, Contract #HC 5774. William M. Rohe, Michael A. Stegman,

- Raymond J. Burby, and Roberto Quercia. Chapel Hill: Department of City and Regional Planning, University of North Carolina at Chapel Hill, January 1988. 166 pp.
- Financing Water and Sewer Extensions in Urban Growth Areas: Current Practices and Policy Alternatives*, Raymond J. Burby, David H. Moreau, and Edward J. Kaiser, Raleigh: Water Resources Research Institute of The University of North Carolina, October 1987. 131 pp.
- Resident Survey Element of the Modernization Plan*, Raymond J. Burby and William M. Rohe. Report Prepared for the Durham Housing Authority. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, 1986. 67 pp.
- Hazardous Materials in North Carolina: A Guide for Decisionmakers in Local Government*, Richard N. L. Andrews, Raymond J. Burby, and Alvis G. Turner. Chapel Hill: Conservation Foundation of North Carolina, 1985. 186 pp.
- Future Drinking Water: State and Local Policies for Protecting Future Drinking Water Reservoir Sites and Watersheds in North Carolina*, Raymond J. Burby with David J. Brower and Dale Whittington. Report No. 222. Raleigh: Water Resources Research Institute, University of North Carolina, December 1985. 101 pp.
- "Saving Cities by Saving Energy," Raymond J. Burby, *Urban Resources*, 3 (Fall 1985): 59-61.
- "Managing Flood Hazards in the Western States," Raymond J. Burby and Scott Verner, *Western Planner*, 5 (May 1984): 5-6.
- The Threat to Future Water Supply Reservoir Sites in North Carolina*, Katherine L. Bullock, Ken A. Robertson, and Raymond J. Burby. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, September 1984.
- Managing the Demand for Electricity: Utility Marketing and Consumer Adoption of Residential Load Management*, Raymond J. Burby, Nicholas Didow, Mary Ellen Marsden, Charles Hanna, Michelle Bunn, and Stephen Johnston. Research Triangle Park, N.C.: North Carolina Alternative Energy Corporation, 1983.
- "Research Update: Community Recreation Surveys," Raymond J. Burby and Ronald Sechrist, in *North Carolina Recreation and Park Review*, 36 (Winter 1983): 12-14.
- "State and Local Programs for Flood Hazard Management in the Southeast," Bruce Stiffl and Raymond J. Burby. *Carolina Planning*, 9 (Summer 1983): 29-31.

- Taxicab Operating Characteristics*, Gorman Gilbert, Raymond J. Burby, and Charles E. Feibel. Washington: U.S. Department of Transportation, 1983.
- Saving Energy in Residential Development: A Report for Local Government*, Raymond J. Burby, Janice A. Higgins, Edward J. Kaiser, Cynthia L. Matthews, and Maria N. Stanco. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, November, 1982. 60 pp.
- Planning and Land Use Management for Drinking Water Source Protection: A National Overview*, Raymond J. Burby, Edward J. Kaiser, Todd L. Miller, and David H. Moreau. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, September 1982. 57 pp.
- "Energy," Raymond J. Burby and Bruce Johnson, in *Land Use Research Needs*. Raleigh: N. C. Land Use Congress, Inc., 1982, pp. 16-17.
- Impact of Environmental Regulations on Industrial Development in North Carolina*, John S. Hekman, Roger S. Pratt, Raymond J. Burby, and Anthony B. Marimpietri. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, January 1982. 124 pp.
- Growth Management and the Future of Western North Carolina*, Joanna Mack with Raymond J. Burby and Jonathan B. Howes. Cullowhee: Center for Improving Mountain Living, Western Carolina University, December 1981. 102 pp.
- Marketing Load Management Programs: An Assessment of Current Research Needs*, Raymond J. Burby, Nicholas M. Didow, Jr., and Mary Ellen Marsden. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, 1981. 66 pp.
- Protecting Drinking Water Quality Through Watershed Management: A Casebook for Devising Local Programs*, Todd Miller and Raymond J. Burby with Edward J. Kaiser and David H. Moreau. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, August 1981. 75 pp.
- Water Supply Raw Water Quality Problems and Watershed Management Procedures in North Carolina*, Todd Miller, Edward J. Kaiser, Raymond J. Burby, and David J. Brower. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, August 1980. 86 pp.
- "Managing Flood Hazard Areas," Steven P. French and Raymond J. Burby, *Hazards Monthly*, 1 (August 1980): 1-4.
- Water Supply Raw Water Quality Problems and Watershed Management Procedures in North Carolina*, Todd Miller, Edward J. Kaiser, Raymond J. Burby, and David J.

- Brower. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, August 1980. 86 pp.
- Case Study Evaluation of the Boston Neighborhood Improvement Program, Winston-Salem, North Carolina*, Ellyn Rullestad, William M. Rohe, and Raymond J. Burby. Chapel Hill: Department of City and Regional Planning and Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill, May 1980. 107 pp.
- Managing Flood Hazard Areas: A Field Evaluation of Local Experience*, Steven P. French, Todd L. Miller, Raymond J. Burby and David H. Moreau. Chapel Hill: Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill, February 1980. 177 pp.
- Managing Flood Hazard Areas: The State of Practice*, Steven P. French and Raymond J. Burby. Chapel Hill: Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill, January 1980. 48 pp.
- Second Homes in North Carolina: An Analysis of Water Resource and Other Consequences of Recreational Land Development*, Raymond J. Burby, Report No. 150. Raleigh: Water Resources Research Institute of The University of North Carolina, December 1979. 279 pp.
- The Impacts of Rural Water Systems in North Carolina: An Exploratory Study*, Bruce J. Mauch Knopf, Janet E. McKinnon and Raymond J. Burby, Report No. 151. Raleigh: WaterResources Research Institute of The University of North Carolina, November 1979. 132 pp.
- Managing Flood Hazard Areas: A Conceptual Framework for Evaluating Program Effectiveness*, Raymond J. Burby, Steven P. French, and Edward J. Kaiser. Chapel Hill: Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill, April 1979. 220 pp.
- Downtown Revitalization in North Carolina: A Guidebook for Community Action*, Patricia J. Jenny, Louise W. Taylor, and Raymond J. Burby, III. Raleigh: Division of Community Assistance, N.C. Department of Natural Resources and Community Development, 1978. 60 pp.
- "Saving Energy in Urban Areas: Community Planning Perspectives on the Energy Crisis," Raymond J. Burby, III, *University of North Carolina News Letter*, 63 (October 1978): 1-7.
- City Centers in Transition*, Shirley F. Weiss and Raymond J. Burby with Barbara G. Rodgers. Chapel Hill: Center for Urban and Regional Studies, University of North Carolina at Chapel Hill, August 1976. 90 pp.

“New Communities U.S.A.: Results of a National Study,” Raymond J. Burby and Shirley F. Weiss with Thomas G. Donnelly, et al. *Committee Print*. Subcommittee on Housing of the Committee on Banking, Currency and Housing, House of Representatives, 94th Congress, First Session. Washington, DC: U.S. Government Printing Office, 1975. 29pp.

Evaluation of New Communities: Selected Preliminary Findings, Shirley F. Weiss, Raymond J. Burby, III, and Robert B. Zehner. Chapel Hill: Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill, 1974. 38 pp.

The Effects of Authorization for Water Impoundments on Shoreland Transition, Raymond J. Burby, Thomas G. Donnelly, and Shirley F. Weiss, Report No. 78. Raleigh: Water Resources Research Institute of The University of North Carolina, 1973. 380 pp.

"Reservoir Authorization and the Land Market," Raymond J. Burby, III, Thomas G. Donnelly, and Shirley F. Weiss, *Research Previews*, 20 (November 1973): 32-38. Reprinted as a Research Special." Raleigh: Water Resources Research Institute of The University of North Carolina, December 1973.

"New Community Development: A National Study of Environmental Preferences and the Quality of Life," Shirley F. Weiss, Raymond J. Burby, III, Edward J. Kaiser, Thomas G. Donnelly, and Robert B. Zehner, *Research Previews*, 20 (April 1973): 5-15.

Multipurpose Reservoirs and Urban Development, Raymond J. Burby, III, Thomas G. Donnelly, and Shirley F. Weiss. Chapel Hill: Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill, 1972. 52 pp.

Lake Norman Developmental Impact Study, Raymond J. Burby, III, Thomas G. Donnelly, and Shirley F. Weiss. Charlotte, NC: Centralina Council of Governments, 1972. 121 pp.

Household Decision Processes in the Purchase and Use of Reservoir Recreation Land, Raymond J. Burby, Report No. 51. Raleigh: Water Resources Research Institute of The University of North Carolina, 1971. 213 pp.

A Model for Simulating Residential Development in Reservoir Recreation Areas, Raymond J. Burby, Thomas G. Donnelly, and Shirley F. Weiss, Report No. 52. Raleigh: Water Resources Research Institute of The University of North Carolina, 1971. 137 pp.

New Community Development: Planning Process, Implementation, and Emerging Social Concerns, Shirley F. Weiss, Edward J. Kaiser, and Raymond J. Burby, eds., Volumes 1 and 2. Chapel Hill: New Towns Research Seminar, Center for Urban

- and Regional Studies, The University of North Carolina at Chapel Hill, 1971. 791 pp.
- "Neighborhood Environment and Residential Satisfaction: A Survey of the Occupants and Neighborhoods of 166 Single-Family Homes in Greensboro, North Carolina," Edward J. Kaiser, Shirley F. Weiss, Raymond Burby, Thomas G. Donnelly, *Research Previews*, 17 (November 1970): 11-25.
- Factors Influencing the Residential Utilization of Reservoir Recreation Areas*, Raymond J. Burby, III, Thomas G. Donnelly, and Shirley F. Weiss, Report No. 52. Raleigh: Water Resources Research Institute of The University of North Carolina, 1970. 49 pp.
- Public Policy and Shoreline Landowner Behavior*, Raymond J. Burby, III and Shirley F. Weiss, Report No. 38. Raleigh: Water Resources Research Institute of The University of North Carolina, 1970. 126pp.
- The Role of Reservoir Owner Policies Guiding Reservoir Land Development*, Raymond J. Burby, III, Report No.29. Raleigh: Water Research Institute of The University of North Carolina, 1969.
- "Environmental Innovation: Acceptance and Utilization by the Residential Development Industry," Thomas G. Donnelly, Shirley F. Weiss, Raymond J. Burby, and Edward J. Kaiser, *Research Previews*, 16 (November 1969): 21-28.
- "Toward a Linked Decision Model of the New Town Development Process," Shirley F. Weiss, Edward J. Kaiser, and Raymond J. Burby, *Research Previews*, 16 (April 1969): 12-20.
- "Effective Planning for Urban Growth and Development: A Study of Environmental Influences on Municipal Policy," Raymond J. Burby, III, *Research Previews*, 15 (November 1968): 13-27.
- Planning and Politics: Toward a Model of Planning-Related Policy Outputs in American Local Government*, Raymond J. Burby, III. Chapel Hill: Center for Urban and Regional Studies, The University of North Carolina at Chapel Hill, 1968. 347 pp.
- Lake-Oriented Subdivisions in North Carolina: Decision Factors and Policy Implications for Urban Growth Patterns- Developer Decisions*, Raymond J. Burby, III, Report No. 9. Raleigh: Water Resources Research Institute of The University of North Carolina, 1967. 185 pp.

3. Other Professional Contributions (also see Public Service, page 30)

American Institute of Architects
Crisis Management Advisory Group, 1988-1990

American Planning Association/American Institute of Certified Planners
College of Fellows, AICP, 1999-present; President, North Carolina Chapter, 1982-1983; Vice-President for Professional Development, North Carolina Chapter, 1980-1982; Executive Committee, 1980-1984

American Society of Civil Engineers
Associate Editor, *Natural Hazards Review*, 1998-present

American Water Resources Association
General Chair, National Symposium on Coastal Water Resources, 1987
President, North Carolina Chapter, 1987-1988; President-elect, 1986-1987;
Vice-President, 1985-1986; Board of Directors, 1985-1988

Association of Collegiate Schools of Planning
Executive Committee, 1991-1993; Member, Research Committee, 1985-1987, 1993; IBHS Student Hazard Paper Award Committee, 2001-present

Association of State Floodplain Managers
National ASFPM Graduate Fellowship Advisory Committee, 2000-present;
Association of State Floodplain Managers Foundation Advisory Committee, 1997-present; Chair, Research Committee, 1986-1989

Coalition to Restore Coastal Louisiana
Coastal Restoration Task Force, 1999-2000

Earthquake Engineering Research Institute
Social Science Advisory Committee, Learning from Earthquakes Program, 2002-2003; Steering Committee for 6th International Seismic Zonation Conference, 1998-2000

Hazards Research and Education Center, Texas A&M University
National Advisory Committee, 1990-present

Institute for Business and Home Safety (formerly Insurance Institute for Property Loss Reduction)
Safe Growth Advisory Group, 2002-present; Land Use Committee, 1997-2003.

International Association for Impact Assessment
Program Committee, 1996-97

National Academies
Steering Committee Member and Featured Speaker, "Strengthening the Scientific and Technical Responses to Hurricane Katrina: A Meeting of Experts," November 14-15, 2005, Washington, DC

National Association of Home Builders
Expert Review Group, Study of Subdivision Requirements as a Regulatory
Barrier, 2005-2006.

National Center for Ecological Analysis and Synthesis, University of California, Santa
Barbara
Managed Floods Working Group, 1999-2000

National Institute of Building Sciences (NIBS) Multihazard Mitigation Council
MMC Process and Criteria Committee, 1998-99 (corresponding member)

National Research Council, Transportation Research Board
Committee for Pipelines and Public Safety: Scoping Study on Effective Measures
for Limiting Encroachment, 2003-2004.
Committee A1D02 on Transportation and Land Development 1985-1992.

National Science Foundation
Site visitor, panel member, proposal reviewer, 1980-present

Natural Hazards Research and Applications Information Center, University of Colorado
Leader, Land Use Subgroup, National Assessment of Research and Applications
on Natural Hazards, National Science Foundation, 1992-1993, 1995-1997

North Carolina Coastal Federation
Board of Directors, 2000-2006

North Carolina Land Use Congress, Inc.
President, 1981-1982; Vice President, 1980-1981; Board of Directors, 1980-1986

North Carolina Wildlife Federation/N.C. Coastal Federation
Blue Ribbon Committee on Protection of Outstanding Coastal Water Resources,
1988-89

Planning Accreditation Board (PAB)
Site Visitor, 1999-2006

Southern Regional Science Association
Executive Council, 1982-1985

University of Florida Sea Grant College Program
External Review Panel, 1999

Universities Council on Water Resources
Delegate from University of New Orleans, 1995-2000

Urban Affairs Association

Board of Directors, 1988-1994; Program Co-Chair, 1990 Annual Conference

Wharton School of the University of Pennsylvania, Risk Management and Decision Process Center
Advisory Committee, Insurance Industry Response to Catastrophic Losses Project, 1995-1998.

4. Note Regarding Papers Presented at Professional Meetings

In most years I present papers at the following conferences: Association of Collegiate Schools of Planning, Association for Public Policy and Management, Urban Affairs Association and various specialty conferences dealing with planning, environmental management, and natural hazards.

5. Awards, Prizes, Invited Lectures

Best Article Awards

Journal of the American Planning Association, Best article, 1994
Journal of the American Planning Association, Best article honorable mention, 1999

Fulbright Senior Scholar, School of Town Planning, University of New South Wales, Australia. January 1991 - June 1991.

Invited Lectures (since 1990):

Association of State Floodplain Managers (Albuquerque, New Mexico, 2006)
Clemson University, College of Architecture, Art & Humanities (Clemson, SC, 2006)
National Academy of Sciences Hurricane Katrina Symposium (Washington, DC, 2005)
Hurricane Katrina Symposium, California Polytechnic & State University (San Luis Obispo, CA, 2005)
Water Research Foundation of Australia, Australian National University (Canberra, Australia, 2001)
National Academy of Sciences Disasters Roundtable on Wildfire Hazards, (Washington, DC, 2001)
Inter-American Development Bank Symposium on Confronting Natural Disasters: A Matter of Development (New Orleans, 2000)
University of Naples Hydraulic Research Centre for the Environment, International Conference on New Trends in Water and Environmental Engineering for Safety and Life (Capri, Italy, 2000)
National Science and Technology Council, Subcommittee on Natural Disaster Reduction (Washington, DC, 1999)
Middlesex University, Great Britain (Enfield, England, 1998)
University of New South Wales, Australia (Sydney, 1998)
National Hurricane Conference (Norfolk, VA, 1998)

International Megacities and Hazards Conference (Seeheim,, Germany, 1997)
Wharton School, University of Pennsylvania (Philadelphia, 1997)
University of Texas (Austin, 1996)
University of Washington (Seattle, 1996)
Southern Africa Emergency Management Association (Johannesburg, 1996)
James Cook University (Townsville, Australia, 1991)
University of South Australia (Adelaide, Australia, 1991)
Australian National University (Canberra, 1991)
University of Western Sydney (Sydney, Australia, 1991)

Phi Kappa Phi, University of New Orleans, 1997.

Team Residence, Rockefeller Foundation International Study Center, Belagio, Italy, 1995.

6. Contributions to Refereed Publications

ASCE Natural Hazards Review
Associate Editor, 1998-present

Journal of the American Planning Association
Co-Editor, 1983-1988; Book Review Co-Editor, 1979-1983; Editorial Board, 1988-1996; 2005-present. Outstanding Article Award Committee, 1995

Journal of Planning Education and Research
Editorial Board, 1993-present

Journal of Planning Literature
Editorial Board, 1984-1996

Journal of Urban Affairs
Editorial Board, 1988-2007; Guest Editor (with Beverly Cigler), January 1991
Symposium Issue: "Urban America: The Decade Ahead"

Referee for the above journals and, in recent years, for *Earthquake Spectra*, *Journal of Environmental Management*, *Journal of Environmental Planning and Management*, *Journal of Policy Analysis and Management*, *Urban Affairs Review*.

Book manuscript reviews (recent years only) for Blackwell Science, Inc., Ohio State University Press, Sage Publications.

7. Major Areas of Research Interest

Land use and environmental planning and policy; Growth management; Natural hazards and hazard mitigation; Regulation: enforcement systems and compliance;

Intergovernmental relations; Environmental psychology: quality of life, neighborhood and community satisfaction; Environmental equity and justice.

8. Grants and Contracts Funded

2002 Principal Investigator, "Enabling the Next Generation of Hazards Researchers: An Education and Training Proposal," National Science Foundation, \$370,000, 2002-2004

Principal Co-Investigator, "The Impact of Smart Codes on Building Rehabilitation," Fannie Mae Foundation, \$71,125, 2002-2004 (David Salvesson, Principal Co-Investigator)

2001 Principal Investigator, "Urban Containment Programs and the Vulnerability of Infrastructure to Hazards: Are Cities Being Engineered to Be Safe as well as Smart?" National Science Foundation, \$149,450, 2001-2003

1999 Principal Investigator, "Hazard Resilient Communities Higher Education Course," Federal Emergency Management Agency, \$37,300, 1999-2002

Co-Principal Investigator, "Natural Disasters and Industrial Activities in the Urban Environment: Potential Impacts of Joint Events and Preparedness for Industrial Accidents," National Science Foundation, \$241,951, 1999-2002 (Laura Steinberg, Tulane University, Principal Investigator)

Investigator, "Compliance with Building Code Provisions: Decision-Making for Residential Construction," National Science Foundation, \$127,033, 1999-2002 (Peter J. May, University of Washington, Principal Investigator)

1998 Principal Investigator, "Public Involvement in Planning and Local Government Commitment to Hazard Mitigation," National Science Foundation, \$294,303, 1998-2001

Investigator, "Enforcement of Seismic Provisions of Building Codes in the Western United States," Pacific Earthquake Engineering Research Center Grant, \$52,008, 1998-1999 (Peter J. May, Principal Investigator).

1997 Principal Co-Investigator, "Doctoral Fellowships in Urban and Public Affairs," Louisiana Education Quality Support Fund, \$144,000, 1998-2002

Principal Investigator, "The Effect of Code Enforcement Strategy on Central City Revitalization," National Center for the Revitalization of Central Cities, \$39,525, 1997-1999

Co-Principal Investigator, "Collaborative Study of Analogs to Earthquake Mitigation," National Science Foundation, \$49,000, 1997-1998 (Peter J. May,

- University of Washington, Principal Investigator).
- 1996 Principal Co-Investigator, "Doctoral Fellowships in Urban and Public Affairs," Louisiana Education Quality Support Fund, \$196,000, 1997-2001
- 1995 Co-Principal Investigator, "Model Sediment Control Ordinance Stormwater Permit," Louisiana Department of Environmental Quality, \$100,000, 1995-1997 (Donald Barbe, UNO, Principal Investigator)
- 1994 Principal Investigator, "Evaluation of Alternative Approaches to Code Enforcement: Learning from Field Experience," National Science Foundation, \$270,346, 1994-1997
- 1993 Principal Investigator and Project Director, "Louisiana Environmental Education and Resource Program," U.S. Department of Education, Urban Community Service Program, \$765,065, 1993-1997
- Co-Principal Investigator, "Demand Side Management Community Initiative," Electric Power Research Institute and Entergy Corporation, \$540,000, 1993-1996 (Will Lannes, UNO, Principal Investigator)
- Co-Principal Investigator, "Characteristics and Impacts of a Restructured Oil and Gas Industry in Louisiana," Minerals Management Service, U.S. Department of the Interior, \$99,829, 1993-1995 (Shirley Laska, UNO, Principal Investigator)
- 1992 Co-Principal Investigator, "Comparative Study of Cooperative Hazards Policies: Lessons for the United States from Australia and New Zealand," National Science Foundation, \$291,578, 1992-1995 (Peter J. May, University of Washington, Principal Investigator)
- Principal Investigator, "Human Adjustment to Environmental Uncertainty: Individual and Community Response to the Potential for Sea-Level Rise with Global Warming," UNC University Research Council, \$1,435, 1992
- 1991 Principal Investigator, "Transit Station Land Use Impact Prediction Methods," Institute of Transportation Research and Education, \$3,000. 1991-1992.
- Principal Investigator, "Economic Implications of the Proposed Reclassification of Water Supply Watersheds in North Carolina," UNC Water Resources Research Institute, \$8,910, 1991-1992
- Investigator, "Policy and Procedures Manual for Joint Military-Civilian Comprehensive Planning," N.C. Department of Economic and Community Development, Division of Community Assistance, \$16,530, 1991 (Edward J. Kaiser, UNC, Principal Investigator).

- 1990 Principal Investigator, "Use of Land Use Planning and State Planning Mandates in Hazard Mitigation," National Science Foundation, \$263,033, 1990-1993
- Principal Investigator, "Evaluation of Long-term Institutional and Financial Approaches for Maintaining Stormwater Management Systems, UNC Water Resources Research Institute, \$28,188, 1990-1991
- 1989 Principal Investigator, "Evaluation of the North Carolina Sedimentation Pollution Control Act," North Carolina State University, \$49,963, 1989-1990
- 1988 Principal Co-Investigator, "Joint Land Use Compatibility Study for Ft. Bragg/Pope AFB and Surrounding Communities," N.C. Department of Natural Resources and Community Development, \$150,000, 1988-1990
- Principal Investigator, "Supplemental Grant for Study of the Effects of the Whittier Narrows Earthquake on Infrastructure," National Science Foundation, \$29,912, 1988-1989.
- 1987 Principal Investigator, "National Taxicab Survey," International Taxicab Association and Urban Mass Transportation Administration, U.S. Department of Transportation, \$50,000, 1987-1988
- Investigator, "Public Housing Homeownership Demonstration Assessment," U.S. Department of Housing and Urban Development, \$291,000, 1987-1990 (Michael Stegman, UNC, Principal Investigator).
- 1986 Principal Investigator, "Coping with Losses to Infrastructure from Natural Hazards," National Science Foundation, \$170,284, 1986-1989
- Principal Co-Investigator, "Housing and Neighborhood Satisfaction Among Residents of Durham Housing Authority Projects," Durham, North Carolina, Housing Authority, \$27,345, 1986
- Principal Co-Investigator, "Coping with Technology Induced Growth," Sierra Club, \$4,000, 1986-1987
- Investigator, "Federal Labor Protection Provisions and the Contracting of Transit Services," Urban Mass Transportation Administration, 1986-1987 (Gorman Gilbert, UNC, Principal Investigator).
- 1985 Principal Investigator, "Impacts of Local Hazard Mitigation Programs," National Science Foundation, \$140,995, 1985-1987
- Principal Co-Investigator, "Financing Water and Sewer Extensions in Urban Growth Areas: Current Practices and Policy Alternatives," U.S. Geological Survey, \$95,763, 1985-1987

1984 Principal Investigator, "The Practicality of Preserving Water Supply Reservoir Sites in North Carolina: An Initial Assessment," UNC Water Resources Research Institute, \$24,000, 1984-1985

Principal Co-Investigator, "Development and Evaluation of a Hazardous Substances Management Program for Local Governments: Problem Identification, Technical Assistance Needs, and Pollution Prevention Strategies for Small Businesses," North Carolina Board of Science and Technology, \$32,000, 1984-1985

1983 Principal Investigator, "Background Paper on Water and Land Resource Problems of Western North Carolina," Water Resources Research Institute of the University of North Carolina, Minigrant Program, \$1,240, 1983

1982 Principal Investigator, "Evaluation of State Programs for Flood Hazard Mitigation," National Science Foundation, \$147,151, 1982-1985

Principal Investigator, "Promoting Load Management Programs in North Carolina: Efficient Strategies for Meeting Market Penetration Goals," North Carolina Alternative Energy Corporation, \$78,483, 1982-1983

Principal Investigator, "Energy and Land Use: An Assessment of Energy Conservation Opportunities in North Carolina Through County and Municipal Land Use Regulation," North Carolina Energy Institute, \$19,800, 1982

Principal Investigator, "Conference on Providing Safe Drinking Water Through Land Use Planning and Management," Office of Water Research and Technology, U.S. Department of the Interior, \$3,272, 1982

Investigator, "Taxicab Regulations: Removing the Barriers to Private Sector Involvement in Transit," Urban Mass Transportation Administration, U.S. Department of Transportation, \$71,485, 1982-1984 (Gorman Gilbert, UNC, Principal Investigator).

1981 Principal Co-Investigator, "Impact of Environmental Regulations on Industrial Development in North Carolina," Office of Regulatory Relations, North Carolina Department of Natural Resources and Community Development Research Contract, \$31,087, 1981

Co-Principal Investigator, "Taxicab Operating Statistics and Economic Analysis," U.S. Department of Transportation and International Taxicab Association Research Contract, \$50,030, 1981-1982 (Gorman Gilbert, UNC, Principal Investigator).

Co-Principal Investigator, "Alternative Futures for Planning and Land Use

- Management in Western North Carolina," Lincoln Institute of Land Policy Research Grant, \$7,000, 1981-1982 (Jonathan Howes, UNC, Principal Investigator).
- Principal Investigator, "Marketing Load Management Programs: An Assessment of Current Research Needs," North Carolina Alternative Energy Corporation, \$1,826, 1981
- 1980 Principal Co-Investigator, "Planning and Land Use Management Methodologies for Water Source Protection in Urbanizing Watersheds," Office of Water Research and Technology, U.S. Department of the Interior Research Contract, \$118,245, 1980-1982
- Principal Co-Investigator, "Case Study Evaluation of the Boston Neighborhood Improvement Program, Winston-Salem, North Carolina," The Urban Institute Research Contract, \$5,459, 1980
- 1979 Principal Investigator, "Promoting Lake Quality Through Land Use Planning and Control," North Carolina Division of Environmental Management Research Contract, \$15,000, 1979 (Shirley F. Weiss, UNC, Principal Investigator).
- 1978 Principal Investigator, "Requirements for Evaluating the Effectiveness of Flood Plain Land Use Management," National Science Foundation Research Grant, \$147,513, 1978-1980
- Principal Co-Investigator, "Energy Conservation in the Production and Use of Residential Environments," North Carolina Energy Institute Research Contract, \$40,000, 1978-1979
- Principal Investigator, "Economic and Environmental Impacts of Rural Water Systems in North Carolina," Office of Water Research and Technology, U.S. Department of the Interior Research Grant, Annual Allotment Program, \$8,190, 1978-1979
- 1977 Principal Investigator, "Central Business District Revitalization in Small- and Medium-Size Cities in North Carolina," N.C. Division of Community Assistance Research Contract, \$2,000, 1977
- Co-Principal Investigator, "Inner-City Reinvestment and the Future of North Carolina Cities," University of North Carolina Urban Studies Council Research Grant, \$7,000, 1977-1978 (Shirley F. Weiss, UNC, Principal Investigator).
- 1976 Principal Co-Investigator, "Water Resource Consequences of Second Home and Recreational Land Development," Office of Water Research and Technology, U.S. Department of the Interior Research Grant, Annual Allotment Program, \$41,618, 1976-1979.

- Co-Principal Investigator, "Environmental Design: Conference on City Centers in Transition: Redesigning the Urban Environment for New Patterns of Living," NSF RANN Research Grant, \$18,500, 1976 (Shirley F. Weiss, Principal Investigator).
- Principal Co-Investigator, "Energy and Patterns of Human Settlement," University of North Carolina Urban Studies Council Research Grant, \$8,000, 1976-1977
- 1972 Deputy Project Director and Co-Principal Investigator, "Performance Criteria for New Community Development: Evaluation and Prognosis," NSF RANN Research Grant, \$1,179,400, 1972-1976 (Shirley F. Weiss, Principal Investigator).
- 1971 Co-Principal Investigator, "Lake Norman Developmental Impact Study," Council of Governments and Lake Norman Marine Commission Research Contract, 14,500, 1971-1972 (Shirley F. Weiss, Principal Investigator).
- 1970 Co-Principal Investigator, "The Effects of Authorization for Water Impoundments on Shoreland Transition," Office of Water Resources Research, U.S. Department of the Interior and Water Resources Research Institute of the University of North Carolina Research Grant, \$195,768, 1970-1973 (Shirley F. Weiss, Principal Investigator).
- 1969 Co-Principal Investigator, "New Town Development: Convergence of Concept and Reality," Public Health Service Research Grant, \$115,614, 1969-1971 (Shirley F. Weiss, Principal Investigator).
- 1968 Co-Principal Investigator, "Multipurpose Reservoirs and Urban Development," Office of Water Resources Research, U.S. Department of Interior and Water Resources Research Institute of the University of North Carolina Research Grant, \$139,462, 1968-1971 (Shirley F. Weiss, Principal Investigator).
- Research Associate, "Environmental Innovation and the Residential Development Industry," General Electric Company Research Grant, \$10,000, 1968-1969 (Shirley F. Weiss, Principal Investigator).
- 1967 Research Associate, "Lake-Oriented Subdivisions in North Carolina: Decision Factors and Policy Implications for Urban Growth Patterns," Office of Water Resources Research, U.S. Department of the Interior Research Grant, Annual Allotment Program, \$7,706, 1967-1968 (Shirley F. Weiss, Principal Investigator).
- 1966 Research Associate, "Environmental Engineering Policies and Urban Development," U.S. Department of Health, Education and Welfare, Public Health Service Research Grant, \$202,853, 1966-1970 (Shirley F. Weiss, Principal Investigator).

9. Consulting Assignments (selected)

University of Miami (1993); Association of State Floodplain Managers (1994); University of Colorado (1994); Lincoln Institute of Land Policy (1994); Georgia Institute of Technology (1995); University of Colorado (1995); University of New South Wales (1995); Association of State Floodplain Managers (1995); Coalition to Restore Coastal Louisiana (1996); Research Triangle Institute (1996); Texas A&M University (1996); Georgia Institute of Technology (1996); Research and Planning Consultants (1996); International City Management Association (1997); Coalition to Restore Coastal Louisiana (1997); Texas A&M University (1997); University of Washington (1997); U.S. Department of Justice (1998); University of Washington (1998); University of Washington (1999); Florida Sea Grant Program (1999); University of Washington (2000); University of Washington (2001); Earthquake and Megacities Initiative, Kobe, Japan (2005).

10. Doctoral Dissertations Directed

Steven P. French, 1979 (co-chair)
Jack Kartez, 1989
James M. Holway, 1990
Robert Paterson, 1993
Abram Kaplan, 1994
Teresa Wilkinson, 1995
Vishaka Wijesundera, 1996 (co-chair)
Leksono Subanu, 1996 (co-chair)
Roger Tijerino, 1998 (co-chair)
Joyce Levine, 1999
Denise Boswell, 2001
Mary Margaret Shaw, 2003

11. University Service

Ad Hoc Committee on Indirect Cost Policy, University of New Orleans, 1997-1998

Ad Hoc Committee on Publications, University of North Carolina at Chapel Hill, 1988-89

Advisory Committee, Carolina Environmental Program, 2000-2002

Energy Conservation Committee, University of North Carolina at Chapel Hill, 1991-1992

Faculty Advisory Committee on the University Research Park, University of New Orleans, 1997-99

Faculty Advisory Committee, Weiss Urban Livability Program, Graduate School,
University of North Carolina at Chapel Hill, 2002-present

Faculty Search Committee, Carolina Environmental Program, 2000

LSU System Boyd Professor Review Committee, 1997-1999

Provost Search Committee, University of New Orleans, 1992-1993

Technical Advisory Committee, UNC Water Resources Institute, 1980-1982; 1984-1987;
1990-1992

University Police Campus Safety Committee, University of New Orleans, 1995-1997

University Research Council, University of New Orleans, 1995-1998

University Self-Study, Personnel Task Group (Chair), University of North Carolina at
Chapel Hill, 1984-1985

Weiss Urban Livability Fellows 10th Anniversary Symposium Program Committee,
University of North Carolina at Chapel Hill, 2001-2002

12. Public Service

Chapel Hill Community Planning Task Force, 1986

Chapel Hill Entranceways Task Force, 1982-1984

Chapel Hill Parks and Recreation Commission, 1979-1984 (Chairman, 1981-1982; Vice
Chairman, 1979-1981)

Federal Interagency Task Force on Floodplain Management, National Policy Review
Committee, 1989-1990

Federal Emergency Management Agency, National Review Committee, Community
Rating System Task Force, 1988-1990

N.C. Coastal Federation, Board of Directors, 2000-present

N.C. Governor's Solar Law Task Force, 1982-1984

N.C. Wildlife Federation/N.C. Coastal Federation Blue Ribbon Committee on Protection
of Outstanding Coastal Water Resources, 1988-89

Orange County Energy Commission, 1979-1981

Triangle J (North Carolina) Council of Governments, Water Resources Committee
Technical Advisory Board, 1986-1992

Revised August 2003