

---

## State Water Resources Control Board

TO: Patricia Fernandez, P.E.  
Senior Water Resources Control Engineer  
Division of Water Rights

*Gerald W. Bowes*

FROM: Gerald W. Bowes, Ph.D., Manager  
Cal/EPA Scientific Peer Review Program  
Office of Research, Planning and Performance

DATE: May 09, 2012

**SUBJECT: REVIEWERS APPROVED FOR AGRICULTURAL ECONOMIC MODELING REPORT**

I am pleased to response to your request for scientific peer-reviewers for the subject noted above, The University of California, with whom Cal/EPA has an Interagency Agreement to identify reviewer candidates, contacted scientists it considered qualified to perform the assignment.

Each candidate who was both interested and available for the review period was asked to complete a Conflict of Interest Disclosure form and send it to me for review. In follow-up communications with selected candidates, I asked for clarifications as necessary, and affirmation that there is nothing in their background: a) that might be reasonably construed by others as affecting their judgment, and b) which might constitute an actual or potential source of bias. They also were asked to affirm they would be able to perform an objective and independent review.

### Reviewers Approved:

- a) Richard M. Adams, Ph.D.  
Professor Emeritus, Agricultural and Resource Economics  
Oregon State University  
240F Ballard Extension Hall  
Corvallis, Oregon 97331-3601  
  
Telephone: (541) 737-1435  
Fax: (541) 737-2563  
E-mail: richard.adams@oregonstate.edu

- b) John B. Braden, Ph.D.  
Professor Emeritus, Department of Agricultural & Consumer Economics  
University of Illinois  
30 West Gregory Drive, Room 337  
Urbana, Illinois 61801  
  
Telephone: (271) 333-5501  
Fax: (217) 333-5538  
E-mail: jbb@uiuc.edu
- c) Rex H. Caffey, Ph.D.  
Professor and Director  
Center for Natural Economics and Policy  
179 Woodin Hall  
Louisiana State University  
Baton Rouge, Louisiana 70803  
  
Telephone: (225) 578 - 2393 (office)  
FAX: (225) 578 - 2716  
Email: RCaffey@agcenter.lsu.edu
- d) Frank Ward, Ph.D.  
Professor, Department of Agricultural Economics and Agricultural Business  
New Mexico State University – GT 371  
Las Cruces, New Mexico 88003-8001  
  
Telephone: (575) 646-1220  
Fax: (575) 646-3808  
E-mail: fward@nmsu.edu

Curriculum Vitae are attached.

**Contacting Reviewers.** Please contact the reviewers immediately. Do not postpone this. Tell them you have just learned of their identity, and when to expect review material. Keep them informed of delays, and ensure new dates are acceptable. Include me as a “cc” on communications indicating delays.

**Initiating the Review.** Send the reviewers a cover letter with the following:

- a) original letter of request for reviewers and attachments, which was sent to them by the University during the solicitation process;
- b) Key Document(s) for Review;
- c) Key Supporting Documents.

An example of a cover letter initiating the review is attached. Please send me a copy of your cover letter.

**Essential Directions.** Instruct the reviewers:

- a) **Follow the review guidance provided in the initial letter of request for reviewers, Attachment 2.**
- b) **Address all topics listed in Attachment 2, as expertise allows, in the order given.**

**Revisions.** If you have revised any part of the initial request, stamp "Revised" on each page where a change has been made, and date of the change. Clearly describe the revision in the cover letter. Reviewers must be made aware of changes.

**Mode of Transmission.** Review material frequently is sent electronically. Hard copy is recommended for lengthy documents. Confirm electronic and hard copies have been received by reviewers.

**Confidentiality of the Review Process.** Approved reviewers were sent the attached January 7, 2009 Supplement to the Cal/EPA Peer Review Guidelines. Please read it carefully. In part it provides guidance to ensure confidentiality through the peer review process. Reviewers must keep their identities confidential, and I ask that you do also to avoid compromising the external review.

**Communication Restrictions.** Communications between reviewers and requesting organizations are restricted to questions of clarification. Both enquiries and responses must be in writing.(email is fine). If you prefer, all communications can be routed through me.

**Contacts by Outside Parties.** After reviews have been submitted, the Supplement notes reviewers are under no obligation to discuss their comments with third parties, and we recommend they do not.

All outside parties are provided opportunities to address a proposed regulatory action through a well-defined rulemaking process. Ask your reviewers to direct third parties to you, or a designated staff person, with comments or suggestions in writing.

**Completed Reviews.** These are to be sent directly to the person signing the letter initiating the review, unless directed otherwise.

If I can provide additional help, contact me at any time during the review process.

cc: Les Grober  
Assistant Deputy Director  
Division of Water Rights  
  
Diane Riddle  
Environmental Program Manager  
Division of Water Rights  
  
Karen Niiya  
Senior Water Resources Control Engineer  
Division of Water Rights

Mark Gowdy  
Senior Water Resources Control Engineer  
Division of Water Rights

Attachments (6)

- 1) Curriculum Vitae – Richard M. Adams, Ph.D.
- 2) Curriculum Vitae – John B. Braden, Ph.D.
- 3) Curriculum Vitae – Rex Hall Caffey, Ph.D.
- 4) Curriculum Vitae – Frank Ward, Ph.D.
- 5) Example of Letter Initiating Review
- 6) Supplement to Cal/EPA External Scientific Peer Review Guidelines

March, 2012

## Resume

**Richard M. Adams**  
Professor Emeritus

Department of Agricultural and Resource Economics  
240F Ballard Extension Hall  
Oregon State University  
Corvallis, OR 97331-3601  
(541) 737-1435 (W)  
(541) 757-7375 (H)  
FAX (541) 737-2563  
email: richard.adams@oregonstate.edu

### Education

B.S. 1968, University of California, Davis  
Major: Resource Management

M.S. 1971, University of California, Davis  
Major: Agricultural Economics

Ph.D. 1975, University of California, Davis  
Major: Agricultural Economics

### Past Academic Employment and Experience

July 1971 - July 1975. Research Assistant, Agricultural Economist, University of California, Davis.

August 1975 - August 1983. Assistant-Associate Professor, Division of Agricultural Economics, University of Wyoming. Joint research-teaching (67%-33%) appointment.

Participated in a two-year change of assignment from 8/81 to 8/83 at USEPA, Corvallis Environmental Research Laboratory (CERL) between the University of Wyoming and USEPA. Directed economic research on air quality control benefits for the National Crop Loss Assessment Network (NCLAN), an interdisciplinary task force funded by USEPA.

August 1983 to 2007. Professor of Agricultural and Resource Economics, Oregon State University. Professor Emeritus, 2006. Joint teaching-research position (25%-75%). Current research interests include: 1) economic assessments of effects of environmental change on agricultural and natural ecosystems; 2) and assessments of agricultural costs and social benefits of reducing groundwater pollution from agriculture; 3) valuation of water across competing uses. Teaching responsibilities include courses in resource and environmental economics.

2007-present. Professor Emeritus. Teach graduate courses in resource and environmental economics. Conduct research of interest.

## Additional Employment Experience

University of California, Davis. Consulted and collaborated on an analysis of the impacts of the electrical energy adjustments (price and quantity) on California's irrigated agricultural subsector. 1976.

USDA, ERS, NRED. Washington, D.C. Assisted NRED in assessing feasibility of quadratic programming methodology in resource projection research. 1976.

Consultant, Northwest Economic Associates, Vancouver, Washington. Involved in the assessment of the importance of land-related factors on the competitive position of northwest agriculture. 1979.

Consultant, CH2M-Hill. Sacramento. Critically evaluated the methodological framework for a water reuse feasibility study. Provided technical assistance in report preparation. 1980.

USEPA, Corvallis Environmental Research Laboratory. Evaluated the feasibility of a national air pollution crop loss assessment plan proposed by CERL. Represented CERL at EPA policy meeting in Durham, North Carolina. 1980.

Consultant, Mathtech, Inc., Princeton, New Jersey. Assisted Mathtech in development of a crop loss damage assessment framework. Provided guidance on modeling of specific agricultural commodity supply relationships. 1981.

Consultant, USEPA, Corvallis Environmental Research Laboratory. Provide economic guidance on development and implementation of National Crop Loss Assessment Network. Served as a member of Research Management Committee. 1981.

North Carolina State University. Review and provide public testimony on Acidic Deposition Critical Assessment Document review. Federal Task Force Critical Assessment Document public hearing, Raleigh, North Carolina. 1982.

Consultant, Biospherics, Inc., Rockville, Maryland. Prepare chapters on economics of vegetation and ecosystem damages for USEPA's Oxidant Criteria Document. 1982-1983.

Brookhaven National Laboratory, Upton, New York. Provide critical review and guidance on BNL's proposed acid deposition research program on agricultural effects. 1983.

Consultant, Northrop Service, Inc., Research Triangle Park, North Carolina. Participate in the preparation and review of manuscript on the environmental effects of particulates on visibility and climate. 1984.

Battelle Pacific Northwest Laboratories. Develop and implement an assessment framework to estimate the economic consequences of acid deposition control on U.S. agriculture. 1984-1985.

Consultant, Northwest Economic Associates, Vancouver, Washington. Assess the recreational fishery benefits of alternative dredging and maintenance operations at seven Oregon ports. July-September 1987.

Consultant, Energy and Resources, Inc., Boulder, Colorado. Assist in conceptualizing and implementing economic assessments of air pollution damages to major annual and perennial crops for the California Air Resources Board.

Consultant, KilKelly Environmental Associates, Raleigh, North Carolina. Evaluate the economic effects of selected global climate change scenarios on U.S. agriculture. 1988.

Argonne National Laboratory. Participate in programs to assist developing countries assess vulnerability to climate change. 1993-94.

Consultant, Industrial Economics, Inc. Provide review and comments on EPRI climate change program. 1993-96.

Consultant, ICF, Inc. Assess agricultural and forestry vulnerability to climate change. 1995-1996.

Expert Witness in Colorado vs. Kansas (in the Supreme Court of the United States). Provide evaluation and testimony concerning the value of water in agriculture. July 1998 to March 2002.

Center for Agricultural Resources and Development (CARD), Iowa State University, 2000-2002.

Consultant, Stratus Consulting, Inc., Boulder, Colorado. Provided external review and assistance on various projects. 1995-2006.

Battelle Pacific Northwest Laboratories. Provide external review and comment as requested on Battelle resource economic programs. 1987-2004.

U.S. Department of Commerce, NOAA. Provide external review of NOAA climate change and weather forecast programs. Conduct ten economic analyses of the value of weather forecasts between 1985 and 2010.

Consultant, Entrix, Inc., Vancouver, WA. Provide technical support as needed. On-going.

Consultant, Industrial Economics, Inc. Cambridge, MA. Provide technical support as needed. On-going.

California Bay-Delta Authority and Delta Science Program. Provided technical support as needed on a series of state and federal funded projects water resource projects in the California Delta and adjacent areas. These included review of the Delta Risk Management Study (2008) and review of the recent study on the sustainability of the economy of the Delta region (2011).

Coachella Valley Water District, Member of Water Advisory Committee. 2005-2010.

California Department of Fish and Game and the California Land Stewardship Institute. Perform study on economic costs of alternative steelhead habitat improvements in Napa County. 2009-2011.

## Teaching/Graduate Student Supervision

### Current Teaching

AREc 551 Resource Economics

### Past Teaching

In addition to the courses listed above, taught courses in environmental economics, applied welfare analysis, agricultural development, production economics, mathematical programming and research methods.

Theses and Dissertations Directed at Oregon State University since 1983 (27)

Scott Hamilton, PhD, 1984  
Mario Niklitschek, MS, 1985  
Neal Johnson, MS, 1987  
Jeffery Connor, MS, 1987

Arcadio Cerda, MS, 1988  
Scott Johnson, PhD, 1989  
Michael Taylor, PhD, 1990  
Arcadio Cerda, PhD, 1991

---

Seonghoon Hong, PhD, 1991  
Brett Fried, MS, 1992  
Robert Berrens, PhD, 1993  
Pei-chen Lin, MS, 1994  
Roger Martini, MS, 1995  
Ronald Fleming, PhD, 1995  
Chris Costello, MS, 1996  
Seonghoon Cho, MS, 1996  
Brent Mahan, MS, 1996  
Harold Seely, MS, 1997  
Erik Knoder, MS, 1998  
Susan Burke, PhD, 1999  
Gwendolyn Aldrich, MS, 2002  
Michio Watanabe, PhD, 2003  
Barbara Wyse, MS, 2004  
Saichon Seedang, PhD, 2005  
(in Environmental Science program)  
Benjamin Rashford, PhD, 2006  
Randall Dell, MS, 2006  
Dannele Peck, PhD, 2006

Approximately 50 percent of peer-reviewed journal articles published since 1983 were co-authored with the graduate students listed above (see list of journal articles for specific articles). In addition, served as a committee member/minor professor on 48 MS and PhD committees within the AREc department. In total, served on 40 percent of all graduate committees within AREc between 1984 and 2006.

## Publications

### Books and Chapters in Books

1. Adams, R.M. and T.D. Crocker. "Analytical Issues in Economic Assessment of Vegetation Damages." In: *Crop Loss Assessment*. P.S. Teng and S.V. Krupa, eds. University of Minnesota Press, Minnesota, 1981.
2. Adams, R.M. and T.D. Crocker. "Economically Relevant Ecosystem Response Estimation and the Value of Information: Acid Deposition." In: *Economic Perspectives on Acid Deposition Control*. T.D. Crocker, ed. Ann Arbor Science—Butterworth Publishers, January 1984, pp. 35-64.
3. Adams, R.M., T.D. Crocker and R.W. Katz. "Yield Response Data in Benefit-Cost Analysis of Pollution-Induced Vegetation Damage." In: *Sulfur Dioxide and Vegetation: Physiology, Ecology and Policy Issues*. W.T. Winner, H.A. Mooney and R.A. Goldstein, eds. Stanford University, 1985, pp. 56-72.
4. Adams, R.M. "Models and Data Requirements for Measuring the Economic Consequences of UV-B Radiation on Agriculture." In: *Stratospheric Ozone Reduction, Solar Ultraviolet Radiation and Plant Life*. R.C. Worrest and M. Caldwell, eds. Springer-Verlag Publishers, Berlin, 1986. pp. 345-359.
5. Adams, R.M., J.D. Glycer and B.A. McCarl. "The NCLAN Economic Assessment: Approach Findings and Implications." In: *Assessment of Crop Loss from Air Pollutants*. W.W. Heck, D.T. Tingey and O.C. Taylor, eds. Elsevier Applied Science Press, London, 1988. pp. 473-504.
6. Adams, R.M. and T.D. Crocker. "Model Requirements for Economic Evaluations of Pollution Impacts on Agriculture." In: *Assessment of Crop Loss from Air Pollutants*. W.W. Heck, D.T. Tingey and O.C. Taylor, eds. Elsevier Applied Science Press, London, 1988. pp. 463-472.
7. Adams, R.M. "Estimated Economic Consequences of Ozone in Agriculture: Some Evidence from the U.S." In: *Atmospheric Ozone Research and Its Policy Implications*, T.D. Schneider, ed. Elsevier Science Publishers, Amsterdam, 1989. pp. 869-879.
8. McCarl, B.A., D. Brown, R.M. Adams and J. Pheasant. "Linking Farm and Sectoral Models in Spatial Equilibrium Analyses: An Application of Ozone Standards as They Affect Corn Belt Agriculture." In: *Quantitative Methods for Market Oriented Economic Analysis Over Space and Time*. W. Labys, T. Takayama and N. Uri, eds. Avebury Press, Aldershot, England, 1989.
9. Adams, R.M. and T.D. Crocker. "Materials Damages." Chapter IX. In: *Measuring the Demand for Environmental Quality*. C.D. Kolstad and J. Braden, eds. North-Holland Publishers, 1991. pp. 271-302.
10. Adams, R.M. and T.D. Crocker. "The Economic Impact of Air Pollution on Agriculture: An Assessment and Review." Chapter 10 in *Towards Sustainable Agricultural Development*. M.D. Young, ed. Belhaven Press, 1991. pp. 293-319.
11. Adams, R.M., C. Chang, B.A. McCarl and J.M. Callaway. "The Role of Agriculture in Climate Change: An Evaluation of Emission Control Strategies." Chapter 15 in *Economic Issues in Global*

- Climate Change: Agriculture, Forestry and Natural Resources*. J. Reilly and M. Anderson, eds. Westview Press, 1992. pp. 273-287.
12. Whittlesey, N., D. Bernardo, J. Hamilton and R. Adams. "Irrigation Management Under Drought Conditions." Chapter 12 in *Management of Water Use in Agriculture*. K. Tanji and B. Yaron, eds. Springer-Verlag Publishers, Berlin, March 1994.
  13. McCarl, B., C. Chang and R.M. Adams. "Climate Change and Texas Agriculture." Chapter 8 in *Implication of Climate Change and Texas*. G.R. North, J. Schmandt and J. Clarkson, eds. University of Texas Press, Fall 1994.
  14. L. Canter, C. Abdulla, R.M. Adams, et al. *Valuing Groundwater: Economic Concepts and Applications*. National Academy Press, Washington DC, 1997.
  15. Burke, S., R.M. Adams and A. Draper. "Estimating Economic and Environmental Benefits of Water Markets in a Spatially Diverse Setting" in *Conflict and Cooperation on Trans-boundary Water Resources*, R. Just and S. Netanyahu, eds. Kluwer Academic Publishers, Boston, 1998.
  16. Adams, R.M., et al. "The Economic Effects of Climate Change on Agriculture," Chapter 2 in *Effects of Climate Change on the U. S. Economy*, R. Mendelsohn and J. Neumann, eds. Cambridge University Press, New York, 1999.
  17. Adams, R.M., C.C. Chen, B.A. McCarl and D.E. Schimmelpfenning. "Climate Variability and Climate Change" in *Advances in the Economics of Environmental Resources*, Vol. 3. D. Hall and R. Howarth, eds. JAI Press, London, 2001. pp. 115-148.
  18. Adams, R.M. and B. Hurd. "Climate Change and Agriculture." Chapter 1.6 in *Encyclopedia of Life Support Systems*. Oxford, UK, 2006.
  19. Adams, R.M. and B.A. McCarl. "Agronomic and Economic Effects of Climate Change." Chapter in *Global Warming and the American Economy*. R. Mendelsohn, ed. Edward Elgar Publishing, 2001. pp. 18-32.
  20. Adams, R.M., B. Hurd and J. Reilly. "Impacts on the Agricultural Sector." Chapter 3 in *Climate Change: Science, Solutions and Strategies*. E. Claussen, V. Cochran, Editors. Pew Center for Climate Change (2001). pp. 25-42.
  21. Adams, R.M. and B.A. McCarl. "Agriculture: Agroeconomic Analysis" Chapter 2 in *Global Warming and the American Economy: A Regional Assessment of Climate Change*. Robert Mendelsohn, ed. Edward Elgar Publishing, England (2001).
  22. McCarl, B.A., R.M. Adams and B. Hurd. "Global Climate Change and Its Impact on Agriculture." In *Encyclopedia of Life Support Systems*. C. Chang and C. Huang. UNESCO, 2001.
  23. Adams, R.M. (contributing author) *Agriculture: the Potential Consequences of Climate Variability and Change*. J.M. Reilly, Ed. Cambridge University Press, 2002.
  24. Wu, JunJie and Richard M. Adams. "Production Risks, Acreage Decisions and Implications for Revenue Insurance Programs." In *Risk Management and the Environment: Agriculture in Perspective*. B.A. Babcock, R.W. Fraser and J. N. Lekakis, eds. Kluwer Academic Publishers, Boston, 2003.
  25. Adams, R.M. "Economic Effects of Ozone on Managed and Natural Ecosystems." Chapter in *Ozone Criteria Document*. USEPA. 2003.

26. Lewis, W.M. Jr, R.M. Adams, et al. *Endangered and Threatened Fishes of the Klamath River Basin*. National Academy of Sciences Press, Washington DC, 2004.
27. Smerdon, E.T., R.M. Adams et al. *Managing the Columbia River: In-stream Flows, Water Withdrawals, and Salmon Survival*. National Academy of Sciences Press, Washington DC, 2004.
28. Adams, R.M., J. Wu and L.L. Houston. "Changes in Crop Yields and Irrigation Demand." Chapter 9 in *The Effects of Climate Change on Regional Systems*. R. Mendelsohn and J. Smith, eds. Edward Elgar Publishers, 2006.
29. Adams, R.M. and D.E. Peck. "Effects of Climate Change on Water Resources." in *Mountains, Valley and Flood Plans: Managing Water Resources in a Time of Climate Change*. A. Dinar and A. Garrido. Routledge Publishers, 2008.
30. Adams, R.M. and D.E. Peck. "Farm Level Impacts of Climate Change Assessment: Alternative Approaches for Modeling Uncertainty." In *The Handbook of Climate Change Economics*, edited by R. Mendelsohn and A. Dinar (forthcoming).
31. Attanavich, W., B.S. Rashford, R.M. Adams and B.A. McCarl. "Climate Change, Land Use and Ecological Performance: Linkages and Effects". In *Oxford Handbook on Land Use*. Edited by Joshua Duke and JunJie Wu. Oxford university Press

## Journal Articles

32. Adams, R.M. "Some Implications of Labor Adjustments in a Dual Economy Framework: Wyoming's Energy—Agriculture Interface." *Western Journal of Agricultural Economics*, 1(June 1977):196-200.
33. McKusick, R.B., R.M. Adams and J.H. Snyder. "The Value of Goods and Services—Implications for a Flexible National Water Policy." *Water Resources Bulletin*. June 1977.
34. Adams, R.M., G.A. King and W.E. Johnston. "Effects of Energy Cost Increases and Regional Allocation Policies on Agricultural Production." *American Journal of Agricultural Economics*, 59(August 1977):444-455.
35. Adams, R.M. and R.B. McKusick. "Regional Resource Use and Commodity Supply Response." *Agricultural Economics Research*. October 1977.
36. Adams, R.M. and D.J. Menkhaus. "Labor on the Farm: A Perspective and Some Emerging Issues." *Wyoming Issues*, Vol. 2, No. 1, Winter 1979.
37. Adams, R.M., D.J. Menkhaus and B. Woolery. "Alternative Parameter Specification in E,V Analysis: Implications for Farm Level Decision-Making." *Western Journal of Agricultural Economics*, 5(July 1980):13-20.
38. Howitt, R.E., R.M. Adams and W.D. Watson. "A Reevaluation of Price Elasticities for Irrigation Water." *Water Resources Research*, 16(August 1980):623-628.
39. Adams, R.M. and D.J. Menkhaus. "The Effects of Mining on Agricultural Hired Labor in the Northern Great Plains." *American Journal of Agricultural Economics*, 62(November 1980):748-752.
40. Santana, G.A.M. and R.M. Adams. "Projected Cropland Requirements and Land Availability for Major U.S. Production Regions." *Western Journal of Agricultural Economics*, 6(July 1981):69-81.

41. Adams, R.M. Review of "Energy Development in the Western United States: Impact on Rural Areas," by S. Murdock and F.L. Leistritz. *American Journal of Agricultural Economics*, 63(November 1981):761.
42. Menkhaus, D.J. and R.M. Adams. "Forecasting Price Movements: An Application of Discriminant Analysis." *Western Journal of Agricultural Economics*, 6(December 1981):229-38.
43. Adams, R.M., T.D. Crocker and N. Thanavibulchai. "An Economic Assessment of Air Pollution Damages to Selected Annual Crops in Southern California." *Journal of Environmental Economics and Management*, 9(March 1982):42-58.
44. Heck, W., O.C. Taylor, R.M. Adams, G. Bingham, J. Miller, E. Preston and I. Weinstein. "Assessment of Crop Loss from Ozone." *Journal of the Air Pollution Control Association*, 32(March 1982):353-361.
45. Howitt, R.E. and R.M. Adams. "A Reevaluation of Price Elasticities for Irrigation Water: Reply." *Water Resources Research*, 18(August 1982):1305-1308.
46. Adams, R.M. and T.D. Crocker. "Dose-Response Information and Environmental Damage Assessments: An Economic Perspective." *Journal of the Air Pollution Control Association*, 32(October 1982):1062-1067.
47. Adams, R.M., P.J. Farris and A.D. Halvorson. "Sugar Beet N Fertilization and Economic Optima: Recoverable Sucrose Versus Root Yield." *Agronomy Journal*, 75(March-April 1983):173-176.
48. Adams, R.M., P.J. Farris and D.J. Menkhaus. "Response Functions and the Value of Soil Test Information: The Case of Sugar Beets." *North Central Journal of Agricultural Economics*, 5(July 1983).
49. Adams, R.M. "Issues in Assessing the Economic Benefits of Ambient Ozone Control: Some Examples from Agriculture." *Environment International*, 9(November 1983):534-548.
50. Heck, W.W., R.M. Adams, W. Cure, O.C. Taylor, L. Kress and R. Kohut. "A Reassessment of Crop Loss from Ozone." *Environmental Science and Technology*, 17(December 1983):672A581A.
51. Mjelde, J., R.M. Adams, B.L. Dixon and P. Garcia. "Using Farmers' Actions to Measure Crop Loss Due to Air Pollution." *Journal of the Air Pollution Control Association*, 34(April 1984):360-364.
52. Howitt, R.E., T.W. Gossard and R.M. Adams. "Effects of Alternative Ozone Concentrations and Response Data on Economic Assessments: The Case of California Crops." *Journal of the Air Pollution Control Association*, 34(November 1984):1122-1127.
53. Adams, R.M., T.D. Crocker and R.W. Katz. "Assessing the Adequacy of Natural Science Information: A Bayesian Approach." *Review of Economics and Statistics*, 66(November 1984):568-575.
54. Dixon, B.L., P. Garcia, R.M. Adams and J.W. Mjelde. "Combining Economic and Biological Data to Estimate the Impact of Pollution on Crop Production." *Western Journal of Agricultural Economics*, 9(December 1984):293-302.
55. Hamilton, S.A., B.A. McCarl and R.J. Adams. "The Effect of Aggregate Response Assumptions on Environmental Impact Analysis." *American Journal of Agricultural Economics*, 67(May 1985):407-413.

56. Atkinson, S.E., R.M. Adams and T.D. Crocker. "Optimal Measurement of Factors Affecting Crop Production: Maximum Likelihood Methods." *American Journal of Agricultural Economics*, 67(May 1985):414-418.
57. Adams, R.M. and B.A. McCarl. "Assessing the Benefits of Alternative Ozone Standards on Agriculture: The Role of Response Information." *Journal of Environmental Economics and Management*, 12(September 1985):264-276.
58. Adams, R.M., S.A. Hamilton and B.A. McCarl. "The Economic Effects of Ozone Pollution on U.S. Agriculture." *Journal of the Air Pollution Control Association*, 35(September 1985):938-943.
59. Garcia, P., B.L. Dixon, J. Mjelde and R.M. Adams. "Measuring the Benefits of Environmental Change Using a Duality Approach: The Case of Ozone and Illinois Cash Grain Farms." *Journal of Environmental Economics and Management*, 13(March 1986):69-80.
60. Adams, R.M., J.M. Callaway and B.A. McCarl. "Pollution, Agriculture and Social Welfare: The Case of Acid Deposition." *Canadian Journal of Agricultural Economics*, 34(March 1986):3-19.
61. Adams, R.M. "Agriculture, Forestry and Related Benefits of Air Pollution Control: A Review and Some Observations." *American Journal of Agricultural Economics*, 68(May 1986):464-472.
62. Adams, R.M., S.A. Hamilton and B.A. McCarl. "The Benefits of Air Pollution Control: The Case of Ozone and U.S. Agriculture." *American Journal of Agricultural Economics*, 68(November 1986):885-894.
63. Matulich, S.C. and R.M. Adams. "Towards More Effective Wildlife Policies: An Economic Perspective of Wildlife Management Research." *Wildlife Society Bulletin*, 15(June 1987):285-291.
64. Johnson, N. and R.M. Adams. "Benefits of Increased Streamflow: The Case of the John Day River Steelhead Fishery." *Water Resources Research*, 24(November 1988):1839-1846.
65. Adams, R.M., J.D. Glycer, B.A. McCarl and D.J. Dudek. "The Implications of Global Change for Western Agriculture." *Western Journal of Agricultural Economics*, 13(December 1988):348-356.
66. Connor, J.D., R.M. Adams and J.D. Glycer. "Some Further Evidence on the Derived Demand for Irrigation Electricity: A Dual Cost Function Approach." *Water Resources Research*, 25(July 1989):1461-1468.
67. Adams, R.M. and T.D. Crocker. "The Agricultural Economics of Environmental Change: Some Lesson from Air Pollution." *Journal of Environmental Management*, 28(July 1989):295-307.
68. Adams, R.M., W.M. Musser, O. Bergland, S.L. Johnson and L.M. Musser. "User Fees and Equity Issues in Public Hunting Expenditures: The Case of Ring-Necked Pheasant in Oregon." *Land Economics*, 65(November 1989):376-385.
69. Johnson, N. and R.M. Adams. "On the Marginal Value of a Fish: Some Evidence from a Steelhead Fishery." *Marine Resource Economics*, 6(1989):43-55.
70. Adams, R.M. "Global Climate Change and Agriculture: An Economic Perspective." *American Journal of Agricultural Economics* Vol. 71, No. 5(December, 1989): 1271-1279.
71. Adams, R.M. and R.D. Rowe. "The Economic Effects of Stratospheric Ozone Depletion on U.S. Agriculture: A Preliminary Assessment." *Journal of Environmental Management* 30(1990):321-335.
72. Adams, R.M., C. Rosenzweig, J. Ritchie, R. Peart, J.D. Glycer, B.A. McCarl, B. Curry and J. Jones. "Global Climate Change and U.S. Agriculture." *Nature* (May, 1990):219-224.

73. Johnson, S.L., R.M. Adams and G.M. Perry. "The On-Farm Costs of Reducing Groundwater Pollution." *American Journal of Agricultural Economics* (November 1991):1063-1073.
74. Taylor, M.L., R.M. Adams and S. Miller. "Farm-level Responses to Agricultural Effluent Control Strategies: The Case of the Willamette Valley." *Journal of Agricultural and Resource Economics* (July, 1992):173-185.
75. Urrutia, A.C. and R.M. Adams. "The Travel Cost Approach for Estimating Recreation Demand and Benefits: An Application to the Salmon Sport Fishing in Oregon." *Economia y Administracion* (December, 1992):47-61.
76. Berrens, R., O. Bergland and R.M. Adams. "Valuation Issues in an Urban Recreational Fishery: Spring Chinook Salmon in Portland, Oregon." *Journal of Leisure Research*, 25(1993);70-83
77. Adams, R.M., J.M. Callaway, C. Chang, D.M. Adams and B.A. McCarl. "Sequestering Carbon on Agricultural Land: Social Cost and Impacts on Timber Markets." *Contemporary Policy Issues* (January, 1993):76-87.
78. Adams, R.M., R. Berrens, A. Cerda, H. Li and P. Klingeman. "Developing a Bioeconomic Model for Riverine Management: Case of the John Day River, Oregon." *Rivers* (July, 1993):213-226.
79. Hong, S., R.M. Adams and H.A. Love. "An Economic Analysis of Household Recycling of Solid Wastes: The Case of Portland, Oregon." *Journal of Environmental Economics and Management* (September, 1993)136-146.
80. E.N. Castle, R. Berrens and R.M. Adams. "Natural Resource Damage Assessment: Speculations About a Missing Perspective." *Land Economics* (August, 1994):378-385.
81. Adams, R., B.A. McCarl, A. Solow, K. Bryant, D. Legler and J. O'Brien. "Value of Improved Long Range Weather Information." *Contemporary Economic Policy* (July, 1995): 10-19.
82. Adams, R.M., R. Fleming, B.A. McCarl and C. Rosenzweig. "A Reassessment of the Economic Effects of Global Climate Change on U.S. Agriculture." *Climatic Change* (May, 1995).
83. Fleming, R., R.M. Adams and C.S. Kim. "Regulating Groundwater Pollution: Effects of Geo-Physical Response Assumptions on Economic Efficiency." *Water Resources Research* (April, 1995):1069-1076.
84. Fried, B., R.M. Adams, B. Berrens and O. Bergland. "Willingness to Pay for a Change in Elk Hunting Quality." *Wildlife Society Bulletin* (1995)23:680-686.
85. Connor, J.D., G.M. Perry and R.M. Adams. "Cost Effective Abatement of Multiple Production Externalities." *Water Resources Research* (August, 1995):1789-1796.
86. Lin, P-C., R.M. Adams and R.B. Berrens. "Welfare Effects of Fishery Policies: Native American Treaty Rights and Recreational Salmon Fishing." *Journal of Agricultural and Resource Economics* (December, 1996): 243-276.
87. Kim, C.S., C.L. Sandretto, R.M. Adams and R.A. Fleming. "An Alternative Specification for Modeling Groundwater Dynamics." *Natural Resource Modeling* (1997) Vol 10(3).
88. Fleming, R.A. and R.M. Adams. "The Importance of Site Specific Information in the Design of Policies to Control Pollution." *Journal of Environmental Economics and Management* (July, 1997) 33: 347-358.

89. Solow, A., R.M. Adams, D. Legler, B. McCarl, K. Bryant. "The Value of ENSO Forecasts: Case of U. S. Agriculture." *Climatic Change* (1998) 39: 47-60.
90. Adams, R.M., B. Hurd, S. Lenhart and N. Leary. "The Effects of Global Warming on World Agriculture: An Interpretative Review." *Journal of Climate Research* (1998)11:19-30.
91. Fleming, R.A., R.M. Adams and D.E. Ervin. "The Role of Soil Test Information in the Design of Tax Policies to Control Agricultural Pollution." *Journal of Agricultural and Resource Economics* (1998) 23: 20-38.
92. Costello, C.J., R.M. Adams and S. Polasky. "The Value of El Niño Forecasts in the Management of Salmon: A Stochastic Dynamic Approach." *American Journal of Agricultural Economics* (1998) 80:765-777.
93. Adams, R.M. and S.H. Cho. "Agriculture and Endangered Species Protection: An Analysis of Tradeoffs in the Klamath Basin, Oregon." *Water Resources Research* (1998) 34:2741-49.
94. Berrens, R.P. and R.M. Adams. "Applying Contingent Valuation in the Design of Fee Hunting Programs." *Human Dimensions of Wildlife* (1998) 3:11-25.
95. Adams, R.M. "On the Search for the Correct Economic Assessment Method." *Climatic Change* (1999) 41:362-370.
96. Adams, R.M. and B.H. Hurd. "Climate Change and Agriculture: Some Regional Implications." *Choices* (1999) First Quarter.
97. Hong, S.H. and R.M. Adams. "Household Responses to Price Incentives for Recycling: Some Further Evidence." *Land Economics* (1999) 75:505-514.
98. Mahan, B., S. Polasky and R.M. Adams. "Valuing Urban Wetlands: A Property Price Approach." *Land Economics* (2000) 76:100-113.
99. Adams, R.M., C. Chen, B.A. McCarl and R.F. Weiher. "The Economic Consequences of ENSO Events on Agriculture." *Journal of Climate Research* (1999) 13:165-172.
100. Wu, J., R.M. Adams and W. Boggess. "Threshold Effects and Optimal Targeting of Conservation Efforts: Steelhead Trout Habitat Enhancement in Oregon." *American Journal of Agricultural Economics* (2000) 82:400-413.
101. Stevens, J.B., R.M. Adams, et al. "Benefits, Costs and Local Impacts of Market-Based Streamflow Enhancements." *Rivers* (2000) 7:89-108.
102. Wu, J., R.M. Adams, B. Babcock and D. Zilberman. "Targeting Resource Conservation Expenditures." in *Choices*, Second Edition, 2000.
103. Wu, J. and R.M. Adams. "Production Risk, Acreage Decisions and Implications for Revenue Insurance Programs." *Canadian Journal of Agricultural Economics* (2001) 49:19-35.
104. McCarl, B.M., R.M. Adams and C. Chen. "Economic Implications of Potential ENSO Frequency and Strength Shifts." *Climatic Change* (2001) 49:1-12.
105. Wu, J. and R.M. Adams. "Micro vs. Macro Acreage Response Models: Does Site-Specific Information Matter?" *Journal of Agricultural and Resource Economics*, July 2002.
106. Adams, R.M. and D. Peck. "Climate Change and Drought: Implications for the West" *Western Economic Forum* (2002)1:14-19.

107. Wu, J., K. Skelton, B. Boggess and R. Adams. "Pacific Salmon Restoration: Tradeoffs Between Economic Efficiency and Political Acceptance." *Contemporary Economic Policy* (2003) 21:78-89.
108. Adams, R.M., L.L. Houston, B.A. McCarl, M.L. Tiscareno and J. Matus. "The Benefits to Mexican Agriculture of an ENSO Early Warning System." *Journal of Agricultural and Forest Meteorology* (2003) 115:183-194.
109. Adams, R.M. and R.J. Horst. "Future Directions in Air Quality Research: Economic Issues." *Environment International* (2003) 49.
110. Adams, R.M., B.A. McCarl and L.O. Means. "The Role of Spatial Variability on Economic Effects of Climate Change." *Climatic Change* (September, 2003) 60:131-148.
111. Wu, J., R.M. Adams and A. Plantinga. "Amenities in an Urban Equilibrium Mode: Residential Development in Portland, Oregon." *Land Economics* (2004) 80:19-32.
112. Wu, J., R.M. Adams, C. Kling and K. Tanaka. "From Micro Level Decisions to Landscape Changes: An Assessment of Agricultural Conservation Policies." *American Journal of Agricultural Economics*. (2004) 86:26-41.
113. Burke, S.M., R.M. Adams and W.W. Wallander. "Water Banks and Environmental Water Demands: Case of the Klamath Project." *Water Resources Research*. (2004) 40:1029-1038.
114. Mearns, L.O., R.M. Adams, et al. "Uncertainty Due to Spatial Scale of Climate Scenarios in Integrated Assessments." *Integrated Assessment*" (2004) 4:225-235.
115. Aldrich, G., R.M. Adams, J. Tanaka and J. Buckhouse. "The Economics of Juniper Control." *Rangeland Ecology and Management*. (2005) 58:541-552.
116. Watanabe, M., R.M. Adams, J. Wu, et al. "Toward Efficient Riparian Restoration: Integrating Economic, Physical and Biological Models." *Journal of Environmental Management* (2005) 75:93-104.
117. Watanabe, M., R.M. Adams and J. Wu. "The Economics of Environmental Management in a Spatially Heterogeneous River Basin." *American Journal of Agricultural Economics*. (2006) 88:617-631.
118. Rashford, B. And R.M. Adams. "Improving Ecosystem Management in the Prairie Pothole Region." *American Journal of Agricultural Economics*. (2007) 89:755-768.
119. Seedang, S., S. Fernald, R.M. Adams and D.H. Landers. "Economic Analyses of Water Temperature Reduction Practices in a Large River Flood Plain." *River Research and Applications*. (2008) 24:941-959.
120. Rashford, B., R.M. Adams and B. Dugger. "Application of a Bioeconomic Model Towards Improving Waterfowl Management." *Journal of Wildlife Management* (2008). 72(2) 510-517.
121. Peck, D. and R.M. Adams. "Farm-level impacts of prolonged droughts: is a multiyear event more than the sum of its parts?" *Australian Journal of Agricultural and Resource Economics*. (2010) 54:43-60.
122. Adams, R. and D. Peck. "Water Resources and Climate Change." *Choices* (2008) 23 (1):12-14.
123. Langpap, C., B. Huang and R.M. Adams. "The Value of Stream Temperature Forecasts in Fisheries Management" *Contemporary Economic Policy*. (2012) . 30(2);247-261..

124. Huang, B. C. Langpap and R. M. Adams. "Using In-stream Water temperature Forecasts for Fisheries management" *Journal of the American Water Resources Association*. (2011) 47 (4): 861-876

### Agricultural Experiment Station, USEPA and Other Refereed Monographs and Publications

125. Dean, G.W., H.O. Carter, E.A. Nickerson and R.M. Adams. "Structure and Projections of the Humboldt County Economy: Economic Growth Versus Environmental Quality." Giannini Foundation Research Report No. 318. July 1973.
126. Adams, R.M. and M. Tunku Yahya. "Some Measures of Price, Yield and Revenue Variability for Wyoming Crops and Cropping Systems." Research Journal 115, Wyoming Agricultural Experiment Station, September 1977.
127. Johnston, W.E., R.M. Adams and G.A. King. "Economic Impact of Fossil Energy Alternatives on California Irrigated Agriculture." California Water Resources Center Contribution No. 170. June 1978.
128. Adams, R.M. and D.E. Agee. "Energy Use Within Agriculture." Wyoming Agricultural Economics. June 1978.
129. Adams, R.M., W.E. Johnston, G.A. King. "Some Effects of Alternative Energy Policies on California Annual Crop Production." Giannini Foundation Research Report No. 326. University of California, September 1978.
130. Conklin, N.C., R.M. Adams and C.E. Olson. "Labor Market Adjustments and Wyoming Agriculture: Some Effects on a Representative Ranch." Wyoming Agricultural Experiment Station Research Journal 134. February 1979.
131. Adams, R.M., N. Thanavibulchai and T.D. Crocker. "A Preliminary Assessment of Air Pollution Damages for Selected Crops Within Southern California." In: *Methods Development for Assessing Air Pollution Control Benefits*. U.S. Environmental Protection Agency. EPA-600/5-79-001c. February 1979.
132. Woolery, B.A. and R.M. Adams. "The Tradeoff Between Return and Risk for Selected Big Horn Basin Crop and Cattle Feeding Systems." Wyoming Agricultural Experiment Station Research Journal No. 149. February 1980.
133. Santana, C.A.M. and R.M. Adams. "Estimated Cropland Requirements for 1985 Under Demand and Yield Uncertainty." Wyoming Agricultural Experiment Station Research Journal No. 157. January 1981.
134. Adams, R.M., D.J. Menkhaus and K.A. Keith. "An Investigation of Alternative Risk Supply Response Models for Selected U.S. Crops." Wyoming Agricultural Experiment Station Research Journal No. 161. January 1981.
135. Heck, W.W., O.C. Taylor, R.M. Adams, G. Bingham, J.E. Miller and L.H. Weinstein. "National Crop Loss Assessment Network (NCLAN) 1980 Annual Report." Report to USEPA, Corvallis Environment Research Laboratory. EPA/600/3-82/001. June 1981.
136. Adams, R.M. and B.A. Woolery. "Cattle Feeding and Cash Crops: A Comparison of Returns and Risks." Wyoming Agricultural Experiment Station Bulletin B-759. September 1981.

137. Heck, W.W., O.C. Taylor, R.M. Adams, G. Bingham, J.E. Miller and L.H. Weinstein. "National Crop Loss Assessment Network (NCLAN) 1981 Annual Report." Report to USEPA, Corvallis Environment Research Laboratory. EPA/600/3-83-049. July 1982.
138. Adams, R.M. and T.C. Crocker. "The Value of Air Pollution Damages to Agricultural Activities in Southern California," Volume 6, Methods Development for Environmental Control Benefits Assessment. U.S. Environmental Protection Agency. EPA-230/7-83-011. 1983.
139. Crocker, T.D., J.T. Tschirhart, R.M. Adams and B. Forester. "Methods Development for Assessing Acid Deposition Control Benefits, Volume 7, Methods Development for Environmental Control Benefits Assessment. U.S. Environmental Protection Agency. EPA-230/7-83-011. 1983.
140. Farris, P.J. and R.M. Adams. "Fertilization of Sugar Beets: An Economic Analysis." Wyoming Agricultural Experiment Station Research Journal No. 185. February 1983.
141. Heck, W.W., O.C. Taylor, R.M. Adams, J.E. Miller and L. Weinstein. "National Crop Loss Assessment Network (NCLAN) 1982 Annual Report." Report to USEPA, Corvallis Environmental Research Laboratory. June 1983.
142. Dixon, B.L., P. Garcia, J. Mjelde and R.M. Adams. "Estimation of the Costs of Ambient Ozone on Illinois Cash Grain Farms: An Application of Duality." Illinois Agricultural Economics Staff Paper, No. 83E-276. January 1984.
143. Adams, R.M. M.V. Ledebor and B.A. McCarl. "Air Pollution and Agriculture: An Interpretive Review of the Literature." Oregon Agricultural Experiment Station Special Report 702, 1984.
144. Adams, R.M. "Economic Assessments of Ozone Effects." Chapter 7.5 in *Air Quality Criteria for Ozone and Other Photochemical Oxidants*. USEPA, Environmental Criteria and Assessment Office. EPA-600/8-84-020A. June 1984.
145. Adams, R.M. "Valuing Ecosystems: Economic Damage Due to Ozone.: Chapter 18.8 in *Air Quality Criteria for Ozone and Other Photochemical Oxidants*. USEPA, Environmental Criteria and Assessment Office. EPA-600/8-84-020A. June 1984.
146. Heck, W.W., O.C. Taylor, R.M. Adams, J.E. Miller and L. Weinstein. "National Crop Loss Assessment Network (NCLAN) 1983 Annual Report." Report to USEPA, Corvallis, Environmental Research Laboratory. EPA/600/3-85/061. July 1984.
147. Adams, R.M., S.A. Hamilton and B.A. McCarl. "The Economic Effects of Ozone on Agriculture." USEPA, Office of Research and Development. Research Monograph. EPA/600-3-84-90. September 1984.
148. Howitt, R.E., R.M. Adams and T.E. Gossard. "The Economic Effects of Air Pollution on California Agriculture." *California Agriculture*, 39(March-April 1985):22-24.
149. Heck, W.W., O.C. Taylor, R.M. Adams, L. Kress, R. Kohut and P. Temple. "National Crop Loss Assessment Network (NCLAN) Annual Report." Report to USEPA, Corvallis. EPA/600/3-86/041. July 1986.
150. Adams, R.M. "Effects of Ozone and Other Photochemical Oxidants on Vegetation." Chapter 1.5 in *Air Quality Criterion for Ozone and Other Photochemical Oxidants*. USEPA Environmental Criteria and Assessment Office. EPA 600/8-84 020aF. July 1986.
151. Adams, R.M., J.D. Glycer and S.L. Johnson. "A Final Assessment of the Economic Effects of Ozone on U.S. Agriculture." February 1988. Final project report to USEPA, Corvallis.

152. Adams, R.M., J.D. Glycer and B.A. McCarl. "The Economic Effects of Climate Change on U.S. Agriculture: A Preliminary Assessment." In *The Potential Effects of Global Climate Change on the United States*, J.B. Smith and D.A. Tirpak (eds.) USEPA, May 1989.
153. Adams, R.M. and J.D. Glycer. "An Assessment of the Agricultural Benefits of Tropospheric Ozone Reductions Using Office of Technology Assessment Assumptions." Report to Office of Technology Assessment, U.S. Congress. September 1988.
154. Adams, R.M. "Methods for Valuing Crop Effects Arising from Acid Deposition." Chapter 27 in *State of Science Report on Causes and Effects of Acid Deposition*. National Acid Deposition Assessment Program, Washington, DC. April 1991.
155. Adams, R.M. and N.K. Whittlesey. "The Economic Effects of Climate Change on Irrigated Agriculture." Chapter in *The Effects of Climate Change on the Pacific Northwest*. USEPA, Washington, DC (1993).
156. Adams, R.M., R. Fleming, B.A. McCarl and C.C. Chang. "A Reassessment of the Economic Effects of Global Climate Change on U.S. Agriculture." Final report to USEPA, Washington, DC. September 1993.
157. Adams, R., et al. "Some New Estimates of the Economic Effects of Climate Change on U.S. Agriculture." Report to Electric Power Research Institute, July 1994.
158. Vaux, Henry, Jr., R.M. Adams, H. Ayer, R. E. Howitt, R. Lacewell and N. Whittlesey. "Future of Irrigated Agriculture." Council on Agricultural Science and Technology Task Force Report No. 127, August 1995.
159. Adams, R.M. "Economic Effects of Ozone on Agriculture, Forestry and Ecosystems." Chapter 5.8 in *Air Quality Criterion for Ozone and Other Photochemical Oxidants*. USEPA Environmental Criteria and Assessment Office. EPA 600/P-93 004bF. July 1996.
160. Adams, R.M., B.H. Hurd and J.M. Reilly. "Effects of Climate Change on U.S. Agricultural Resources." Pew Center on Global Climate Change, Washington DC, 1998.
161. Hollinger, S.E., B.A. McCarl, L.O. Mearns, R.M. Adams and S. Riha. "Impacts of Variability on Agriculture" in U.S. National Assessment Agricultural Sector Report. USGRP, Washington DC, January 2000.
162. Adams, R.M., M. Brown, C. Colgan, N. Flemming, H. Kite-Powell, B. McCarl, J. Mjelde, A. Solow, T. Teisburg and R. Weiher. "The Economics of ISOOS: Benefits and the Rationale for Public Funding." U.S. Department of Commerce. National Oceanic and Atmospheric Administration. May, 2000.
163. Hollinger, S.E., B.A. McCarl, L.O. Mearns, R.M. Adams, C.C. Chen, S.J. Riha and D.E. Schimmelpfenning. "Impacts of Variability on Agriculture." Chapter 4 in National Climate Change Assessment Group Report. 2000.
164. Adams, R.M., L.L. Houston, B.A. McCarl, N. Tiscareno, J. Matus and R. Weiher. "The Benefits and Costs of an ENSO Early Warning System in Mexican Agriculture." U.S. Department of Commerce, National Oceanic and Atmospheric Administration, August, 2001. 56 pp.
165. Adams, R.M., J. Wu and L.L. Houston. "The Effects of Climate Change on California Crops and Water Use." Report prepared for the California Energy Commission, November, 2001. 182 pp.
166. Lewis, W., R.M. Adams et al. "Scientific Evaluation of Biological Opinions on Endangered and Threatened Fishes in the Klamath River Basin." Interim Report, National Research Council. National Academy Press. March 2002.

167. Twiss, R., J. Mount and R. Adams. "The Role of Science in the Delta Visioning Process." Report prepared for the California Bay-Delta Authority, June 2006. 32 pp.
168. Adams, R.M., B. Huang and C. Langpap. "The Value of Short Term Stream Temperature Forecasts to Salmonid Management in the Pacific Northwest." Report to National Weather Service, Office of Hydrological Development. Washington D.C., September 2009 56 pp.
169. Adams, R. M. and L. L. Houston. "A Preliminary Evaluation of Costs of Alternative Habitat Investments for Steelhead trout: Case of Carneros Creek". Report to the California Department of Fish and Game/California Land Stewardship Institute, January 2012.

## Published Proceedings and Abstracts

170. Menkhaus, D.J. and R.M. Adams. "An Analysis of the Agricultural Hired Labor Market for the Northern Great Plains with Emphasis on the Effects of Energy Development." In: *Modeling Local Impacts of Energy Development*. F. Leistritz and L. Bender, eds. USEPA, EPA-6009-80-036, Great Plains Agricultural Council Publication 96. August 1980.
171. Adams, R.M. and T.D. Crocker. "Some Issues in the Generation of Dose-Response Information: An Economic Perspective." In: *Proceedings, 74th Air Pollution Control Association Annual Meeting*, Philadelphia, Pennsylvania. 1981.
172. Santana, C.A.M. and R.M. Adams. "Assessment of Cropland Requirements and Availability." *Western Journal of Agricultural Economics*, 6(December 1981):311. (Abstract)
173. Adams, R.M. and D.J. Menkhaus. "Alternative Risk Supply Response Models for Corn and Soybeans." *Western Journal of Agricultural Economics*, 6(December 1981):309. (Abstract)
174. Menkhaus, D.J. and R.M. Adams. "The Effect of Feed Prices, Interest Rates and Fed Cattle Prices on Breakeven Feeder Cattle Prices: A Simulation Approach." *Western Journal of Agricultural Economics*, 6(December 1981):309. (Abstract)
175. Adams, R.M. "Economic Assessment of Air Pollution Damages to Agriculture: The NCLAN Approach." In: *Proceedings, 75th Annual Meeting of the Air Pollution Control Association*. 1982.
176. Mjelde, J.W., B.L. Dixon, P. Garcia and R.M. Adams. "Cash Grain Farmers and Air Pollution." *American Journal of Agricultural Economics*, 5(December 1984):898. (Abstract)
177. Menkhaus, D.J., G. Gutkowski and R.M. Adams. "The Demand for Feedlot Placements in the Great Plains." *Western Journal of Agricultural Economics*, 10(December 1985):423.
178. Adams, R.M. and J.D. Glycer. "The Adequacy of Data on Ozone Effects on Vegetation: An Economic Perspective." *Proceedings of Air Pollution Control Association Annual Meetings*, June 1989.
179. Ching-Cheng, C., B.A. McCarl and R.M. Adams. "A Mathematical Programming Model of the U.S. Agricultural Sector." *Proceedings of Western Agricultural Economics Association Annual Meetings*, Coeur d'Alene, Idaho. July 1989.
180. Fleming, R.A. and R.M. Adams. "Regulating Groundwater Pollution: Effects of Geophysical Response Assumptions on Economic Efficiency." *Journal of Agricultural and Resource Economics*, 18(December, 1993): 299.
181. Adams, R.M. and R. Berrens. "Converting Willingness to Pay Into Public Revenues: Evidence from a Pheasant Stocking Program." *Journal of Agricultural and Resource Economics*, 18(December, 1993):302.

182. Adams, R. "Valuing Climate as a Resource in the Agricultural Sector" in Proceedings of Institute on the Economics of Climate Resources, K. Miller, Ed., Boulder, Colorado, July, 1995.
183. Adams, R. "The Economic Value of Climate Predictions." Proceedings of International Conference on Climate Prediction, Columbia University, April, 2000.
184. Peck, D.M. and R.M. Adams. "Optimal Response to drought in a Stochastic and Dynamic Farm System" In "Abstracts of Invited and Selected Papers and Organized Symposia. WAEA Annual meetings, Anchorage, AK. June 28-30, 2006. *Journal of Agricultural and Resource Economics* 31(3):684
185. Peck, D.M. and R.M. Adams. "Effectiveness of the Multi-Peril Crop Insurance Program's Prevented Planting Provision as a Drought Preparedness Tool". In "Abstracts of Invited and Selected Papers and organized Symposia, WAEA Annual meetings, Big Sky, MT, June 25-27, 2008". *Journal of Agricultural and resource Economics* 33(3):492.

### Miscellaneous Reports and Publications

186. Adams, R.M. and R.B. McKusick. "San Joaquin Valley River Basin Study: Fish and Wildlife Resources—Problems and Needs Associated with Water Quality and Quantity." Economics Research Service, Type IV River Basin Study. March 1974.
187. Johnston, W.E., G.V. Ferry and R.M. Adams. "Economic Analysis of Proposed Eastside Service Area, Lost Hills Water District. Kern County, California." Unpublished report to the Lost Hills Water District. February 1975.
188. Johnston, W.E., G.V. Ferry, A.A. Marsh and R.M. Adams. "Service Area Repayment Capacity, Lost Hills Water District, Kern County, California." Unpublished report to the Lost Hills Water District. July 1975.
189. Adams, R.M. "A Quadratic Programming Approach to the Production of California Field and vegetable Crops Emphasizing Land, Water and Energy Use." Unpublished Ph.D. Dissertation, University of California, Davis. July 1975.
190. Adams, R.M. and G.W. Kearl. "Public Land Policies and Agriculture." In: *Impact of Governmental Regulations on Agriculture*. Old West Regional Commission Task Force Report, North Dakota Agricultural Experiment Station, Fargo. March 1978.
191. King, G.A., R.M. Adams and W.E. Johnston. "Selected California Vegetables and Field Crop Price-Forecasting Equations." Department of Agricultural Economics, University of California, Davis. Giannini Foundation Research Report No. 326. July 1978.
192. Adams, R.M. "The Competitive Position of Pacific Northwest Agriculture: A Preliminary Assessment of the Role of Land Related Factors." Unpublished report to the Northwest Agricultural Development Project, Vancouver, Washington. September 1979.
193. Crocker, R.D., J.T. Tschirhart, R.M. Adams and B. Forster. "Methods Development for Assessing Acid Precipitation Control Benefits." Draft report to USEPA, Office of Research and Development. USEPA Grant R806972010. October 1980.
194. Adams, R.M., T.D. Crocker and N. Thanavibulchai. "Yield Variability, Air Pollution and Producer Risk: An Exploratory Study of Selected Agricultural Crops in Southern California." Draft report to USEPA, Office of Research and Development. October 1982.

195. Rowe, R.D., L.G. Chestnut, C. Miller, R.M. Adams, M. Threshow, H.O. Mason, R.E. Howitt and J. Trijonis. "Economic Assessment of the Effects of Air Pollution in the San Joaquin Valley." Final Report to Research Division, California Air Resources Board. Energy and Resource Consultants, Inc., Boulder, Colorado. March 1984.
196. Adams, R.M., S.A. Hamilton and B.A. McCarl. "The Economic Effects of Ozone on Agriculture." Final Project Report to U.S. Environmental Protection Agency, Corvallis Environmental Research Laboratory, May 1984.
197. Adams, R.M. and K. Sharma. "The Effects of Acid Deposition on Agriculture: A Review and Evaluation of the Literature." Project Report to U.S. Environmental Protection Agency, Acid Deposition Assessment Staff, June 1984.
198. Adams, R.M. and B.A. McCarl. "The Effects of Acid Deposition on Agriculture: Farm Level Economic Effects." Project Report to U.S. Environmental Protection Agency, Acid Deposition Assessment Staff, September 1984.
199. Adams, R.M. "Agricultural Effects." In: *The Economic Effects of Air Pollution in California*. R. Rowe and L. Chestnut, eds. Report to California Air Resources Board. November 1984.
200. Adams, R.M. and B.A. McCarl. "The Effects of Acid Deposition on Agriculture: Summary and Recommendations." Project Report to U.S. Environmental Protection Agency, Acid Deposition Assessment Staff. January 1985.
201. Adams, R.M. and B.A. McCarl. "Acid Deposition: Economic Effects on Agriculture." Report prepared for Battelle Pacific Northwest Laboratories. February 1985.
202. Johnson, S.L., W. Moore and R. Adams. "The Effects of Ozone on Crop Yield Variability: An Exploratory Analysis." Report to USEPA, Corvallis Environmental Research Laboratory. January 1986.
203. Rowe, R.D. and R.M. Adams. "Economic Impacts of Lower Crop Yields Due to Stratospheric Ozone Change." Report to U.S. Environmental Protection Agency. Prepared by Energy and Resource Consultants, Inc., Boulder, Colorado. September 1987.
204. Adams, R.M. "Is the Climate Changing and how will it Affect Agriculture." Pacific Northwest Agricultural Situation and Outlook Bulletin, *Northwest Farmer-Stockman*. January 1989.
205. Perry, G.M. and R.M. Adams. "Nitrate Pollution of Groundwater by Agriculture: What Can Be Done?" *Oregon Farmer-Stockman*. July 1989.
206. Chang, C., B.A. McCarl and R.M. Adams. "A Mathematical Programming Model of the U.S. Agricultural Sector." *Proceedings of Western Agricultural Economics Association Annual Meetings*, Coeur d'Alene, Idaho. July 1989.
207. Adams, R.M. "Changing Laws Governing Water Use" and two other sections in *Alternative Actions for Restoring and Maintaining Salmonid Populations on the Columbia River System*. L. Eisgruber, ed. PNW 407. 1992.
208. Kim, C.S., R.A. Fleming, R.M. Adams and M. English. "An Economic Analysis of Agricultural Practices Related to Water Quality: The Ontario Hydrologic Unit." Economic Research Service Technical Report. 1994.
209. Adams, R.M. and Hauke Kite-Powell. "The Benefits of Improved ENSO Forecasts: Empirical Evidence and Research Needs." Report prepared for Office of the Chief Scientist, NOAA, May, 1996.

210. Adams, R.M. and C.J. Costello. "The Value of Lengthening the ENSO Forecast Time-frame: Case of the Pacific Coho Salmon Fishery." Report to Office of the Chief Scientist, NOAA, July 17, 1996. 15 pp.
211. Adams, R.M., C.J. Costello, S. Polasky, D. Sampson and A. Solow. "The Value of Improved ENSO Forecasts: A Preliminary Assessment of Effects on Fisheries in the Pacific Northwest." Final project report to USDA NOAA, Grant NA S6GPO322, July, 1996, 107 pp.
212. Adams, R.M., C. Chen, B.A. McCarl and R.F. Weiher. "The Economic Consequences of ENSO Events: The 1997-98 El Niño and the 1998-99 La Niña." Faculty Paper 99-2, Department of Agricultural Economics, Texas A&M University, December, 1998.
213. Wu, J., R. Adams and K. Tanaka. "The Effects of Green Payments on Nutrient Runoff in the Midwest." Report to the Center for Agricultural Resources and Development (CARD), Iowa State University, February, 2002.
214. Peck D. and R.M. Adams. "Drought and Drought Forecasts—Economic Implications." Report to NOAA, Office of Strategic Planning, August, 2002.
215. Adams, R.M., L. Houston and R.F. Weiher. "The Value of Snow and Snow Information Services." Report to NOAA, Remote Sensing Center. 45 pages, July, 2004.
216. Adams, R.M., L.L. Houston et al. "The Value of Water Resource Information." NOAA Office of Hydrology, 31 pages, September 2005.
217. Supalla, R.J., D.L. Martin, D.L., R.M. Adams and R.F. Weiher. "Potential Economic Value of Soil Moisture Data for Irrigation Management in the Central Great Plains." NOAA Office of Hydrology, 17 pages, January 2006.
218. Adams, R.M., C. Langpap and B. Huang. "The Value of Stream temperature Forecasts in Salmonid Management in the Pacific Northwest". NOAA Office of Hydrologic Development, Washington, D.C. 59 pages. November, 2009.
219. Adams, R.M. and L.L. Houston. A Review and Synthesis of Literature on the Economic Value of Fishery Investments; the case of Carneros Creek, Napa County, California" Report to the California Land Stewardship Institute, Napa, California. 73 pages. June, 2010.

## 220. Papers Presented at Professional Meetings

221. McKusick, R.B., R.M. Adams and J.H. Snyder. "The Value of Goods and Services—Implications for a Flexible National Water Policy." Paper presented at the Eleventh American Water Resources Conference. Baton Rouge, Louisiana. November 10-13, 1975.
222. Adams, R.M. and W.E. Johnston. "A Quadratic Regional Supply Response Model for California Vegetable and Field Crops Emphasizing Land, Water and Energy Use." paper presented at the annual Operations Research Society of America/Institute of Management Science National Meeting. Las Vegas, Nevada. November 17-19, 1975.
223. Adams, R.M., W.E. Johnston and G.A. King. "A Policy Model for Regional Supply Under Yield Uncertainty in Annual Crop Production." Paper presented at the annual Southern Agricultural Economics Association meetings in Mobile, Alabama. February 2-4, 1976.

224. Adams, R.M. "Some Implications of Resource Adjustments in a Dual Economy Framework: Wyoming's Energy—Agriculture Interface." Paper presented at Western Agricultural Economics Association annual meeting. Fort Collins, Colorado. July 17-19, 1976.
225. Adams, R.M. "Some Methodological Considerations Concerning the Assessment of Air Pollution Agricultural Damages." Paper presented at the California Air Resources Board Symposium on Air Pollution Vegetative Damages. Sacramento, California. July 19, 1977.
226. Adams, R.M. "Distributional Effects of Alternative Energy Policies: An Example from Agriculture." Paper presented at joint meetings of American Agricultural Economics Association and the Western Agricultural Economics Association. San Diego, California. July 31-August 3, 1977.
227. Adams, R.M., T. Crocker, A. Kneese and W. Schultze. "Epidemiology and Microeconomics." Paper presented at joint meetings of American Agricultural Economics Association and the Western Agricultural Economics Association. San Diego, California. July 31-August 3, 1977.
228. Conklin, N.C., R.M. Adams and D.J. Menkhaus. "Agricultural Employment and Intersectoral Linkages: An Analysis of Energy Impacts." Paper presented at annual meeting of Western Agricultural Economics Association. Bozeman, Montana. July 23-25, 1978.
229. Adams, R.M. "A Methodological Framework for the Economic Assessment of Acid Precipitation Damages on Agriculture and Other Terrestrial Systems." Paper presented before the National Academy of Sciences, Committee on Issues in the Prevention of Significant Deterioration. Washington, DC. September 10, 1979.
230. Menkhaus, D.J. and R.M. Adams. "An Analysis of the Agricultural Hired Labor Market for the United States and Northern Great Plains." Paper presented at the Great Plains Council—Energy Development winter meetings. Denver, Colorado. March 18-19, 1980.
231. Adams, R.M. "Conceptual Issues in Animal Health Economics." Invited seminar presented before Department of Epidemiology and Preventive Medicine, School of Veterinary Medicine. University of California, Davis. March 13, 1980.
232. Menkhaus, D.J. and R.M. Adams. "Forecasting Price Movements: An Application of Discriminant Analysis." Paper presented at annual meeting of Western Agricultural Economics Association. Las Cruces, New Mexico. July 20-22, 1980.
233. Adams, R.M. and T.D. Crocker. "Economic Analysis of Air Pollution Induced Crop Losses." Invited paper at E.C. Stackman International Symposium on Assessment of Losses in Agriculture and Forestry, University of Minnesota, Minneapolis. August 20-23, 1980.
234. Adams, R.M., T.D. Crocker and J.S. Tschirhart. "Valuing Ecosystem Functions: The Effect of Acidification." Invited paper at Allied Social Sciences Association annual meeting. Denver, Colorado. September 5-7, 1980.
235. Adams, R.M. "Some Thoughts on the Design and Use of Dose Response Functions in Economics." Invited discussion paper at Thirteenth Annual Air Pollution Workshop, Boyce-Thompson Institute, Cornell University. Ithaca, New York. May 5-7, 1981.
236. Adams, R.M. and T.D. Crocker. "Some Issues in the Generation of Dose Response Information: An Economic Perspective." Invited paper at Air Pollution Control Association annual meetings. Philadelphia, Pennsylvania. June 21-26, 1981.
237. Santana, C.A.M. and R.M. Adams. "Assessment of Cropland Requirements and Availability." Selected paper presented at annual meeting of Western Agricultural Economics Association. Lincoln, Nebraska. July 19-21, 1981.

238. Adams, R.M. and D.J. Menkhous. "Alternative Risk Supply Response Models for Corn and Soybeans." Selected paper presented at annual meeting of Western Agricultural Economics Association. Lincoln, Nebraska. July 19-21, 1981.
239. Menkhous, D.J. and R.M. Adams. "The Effect of Feed Prices, Interest Rates and Fed Cattle Prices on Breakeven Feeder Cattle Prices: A Simulation Approach." Selected paper presented at annual meeting of Western Agricultural Economics Association. Lincoln, Nebraska. July 19-21, 1981.
240. Adams, R.M. and T.D. Crocker. "Economically Relevant Response Estimation and the Value of Information: The Case of Acid Rain." Invited paper presented before the Division of Environmental Chemistry, American Chemical Society. Las Vegas, Nevada. April 1, 1982.
241. Adams, R.M. "Economic Assessment of Ozone Damages: The NCLAN Approach." Paper presented at the 75th Annual Air Pollution Control Association annual meetings. New Orleans, Louisiana. June 21-25, 1982.
242. Crocker, T.D., R.M. Adams and R. Katz. "Dose-Response Information and Agricultural Assessments: A Bayesian Framework." International Symposium on the Effects of SO<sub>2</sub> on Plant Productivity. Stanford University. November 29, 1982.
243. Adams, R.M. "Assessing the Economic Costs of Air Pollution on Agriculture." California Air Resources Board Symposium on Effects of Air Pollution on Agriculture. Fresno, California. November 18, 1982.
244. Gum, R., R.M. Adams and S. Garifo. "Recreation Values as a Function of Methodology." Western Regional Committee on Recreation (W-113) annual meeting. San Diego, California. February 17, 1983.
245. Adams, R.M. "Policy and Technical Issues of Air Pollution Control: An Economic Perspective." Invited seminar, Department of Atmospheric Sciences, Oregon State University. April 21, 1983.
246. Adams, R.M. "Methods for Measuring the Economic Consequences of UV-B Radiation on Terrestrial Ecosystems." Paper presented at NATO Advanced Research Workshop on the Impact of Solar Ultraviolet Radiation upon Ecosystems. Bad Windsheim, West Germany. September 29, 1983.
247. Adams, R.M. "The Role of Biological Data in Economic Assessments of Pollution Control Policies." Paper presented at California Air Resources Board Research Workshop. Davis, California. January 11, 1984.
248. Adams, R.M. "Benefit-Cost Assessments: The Case of Ozone and Agriculture." Invited paper, Sixteenth Annual Air Pollution Effects Workshop. Banff, Alberta. April 30-May 2, 1984.
249. Adams, R.M. "The Economic Effects of Environmental Stress on U.S. Agriculture." Invited seminar, National Center for Atmospheric Research. Boulder, Colorado. June 6, 1984.
250. Mjelde, J.W., B.L. Dixon, P. Garcia and R.M. Adams. "Cash Grain Farmers' Profits and Air Pollution." Selected paper, American Agricultural Economics Association annual meeting. Cornell University, Ithaca, New York. August 5-8, 1984.
251. Adams, R.M. "Distributional Issues in Resource Planning." Report for ERC/EPRI. Water Resources Department Economics Workshop. November 1984.
252. McCarl, B.A. and R.M. Adams. "Improving the Performance of Programming Based Environmental Analysis of Agriculture." Invited paper AAEA/AEA winter meeting. Dallas, Texas. December 1984.

253. Atkinson, S.E., R.M. Adams and T.D. Crocker. "Optimal Measurement of Factors Affecting Crop Production: Maximum Likelihood Methods." Invited paper AAEA/AEA winter meeting, Dallas, Texas. December 1984.
254. Adams, R.M. "The Economics of Pollution Control." Invited seminar, Department of Agricultural Economics, University of Arizona. Tucson, Arizona. March 29, 1985.
255. Menkhaus, D.J., G. Gutkowski and R.M. Adams. "The Demand for Feedlot Placements in the Great Plains." Selected paper, Western Agricultural Economics Association annual meetings, Saskatoon, Saskatchewan. July 1985.
256. Adams, R.M. "The Benefits of Air Pollution and Acid Deposition Control." Invited paper, Allied Social Sciences Association annual meetings, New York, New York. December 28-29, 1985.
257. Adams, R.M. "Agriculture, Forestry and Related Benefits of Air Pollution Control: A Review and Some Observations." American Agricultural Economics Association winter meetings, New York, New York, December 1985.
258. Adams, R.M. "The Economic Implications of Air Pollution for California." Invited paper, Symposium on the Causes and Effects of Air Pollution and Acid Rain, California State University, Fresno, California. August 18-19, 1986.
259. Adams, R.M. "The Role and Value of Natural Science Information in Economic Analysis." Invited seminar, U.S. Environmental Protection Agency, Corvallis. November 24, 1986.
260. Adams, R.M. "Benefits and Costs of Water Yield Enhancements: An Example from the John Day River." Invited seminar, Water Resources Research Institute, Oregon State University. December 4, 1986.
261. Adams, R.M. "The Benefits of Oregon's Pheasant Stocking Program to Willamette Valley Hunters." Invited paper, Northwest Regional meeting, Oregon Department of Fish and Wildlife, Salem, Oregon. January 13, 1987.
262. Adams, R.M. and T.C. Crocker. "The Impact of Pollution from Other Sources on Agriculture: An Assessment and Review of the Economics." Invited paper, OECD workshop on the Integration of Environmental Policies with Agricultural Policies, Paris, France. May 11-13, 1987.
263. Adams, R.M., J.D. Glycer and B.A. McCarl. "The NCLAN Economic Assessment: Approach, Findings and Implications." Invited paper, International Conference on Assessment of Crop Loss from Air Pollutants, Raleigh, North Carolina. October 25-29, 1987.
264. Adams, R.M. "Economic Effects of Air Pollution on Agriculture: The Stratospheric-Tropospheric Ozone Interaction." Invited paper, U.S.-Dutch International Symposium on Ozone. Nijmegen, The Netherlands. May 8-13, 1988.
265. Tingey, D.T. and R.M. Adams. "Assessing the Impact of Tropospheric Ozone on Agriculture: Results of a 7-Year Study." Oregon State University Seminar Series on Problems and Paradigms for Environmental Change Issues. May 26, 1988.
266. Adams, R.M., B.A. McCarl and D.J. Dudek. "The Implications of Long-Term Climate Change for Irrigated Agriculture." Invited paper, Western Agricultural Economics Association annual meeting, Honolulu, Hawaii. July 10-13, 1988.
267. Johnson, S.L., R.M. Adams and G.M. Perry. "Optimal Irrigation and Fertilization Strategies for Managing Groundwater Pollution." Invited paper, American Geophysical Union winter meetings, San Francisco, California. December 5-9, 1988.

268. Adams, R.M. and J.D. Glycer. "The Effects of Global Climate Change in Western Agriculture." Invited paper, University of Wyoming Symposium on Global Climate Change: Impacts and Opportunities for Wyoming and the Region. Laramie. April 24-25, 1989.
269. Adams, R.M. and J.D. Glycer. "The Adequacy of Data on Ozone Effects on Vegetation: An Economic Perspective." Invited paper, annual meeting of Air Pollution Control Association, Anaheim, California. June 30, 1989.
270. Adams, R.M. "Global Climate Change: Marine Outreach Frontier." National Marine Extension Advisory Symposium, Portland, Oregon. July 20, 1989.
271. Johnson, S.L., R.M. Adams and G. Perry. "Strategies for Reducing Groundwater Pollution from Agriculture: The Case of Irrigated Production in Oregon." Contributed paper, American Agricultural Economics Association meetings, Baton Rouge, Louisiana. August 1, 1989.
272. Adams, R.M. "Global Climate Change: An Economic Perspective." Invited paper, American Agricultural Economics Association, Baton Rouge, Louisiana, July 30-August 2, 1989.
273. Adams, R.M. "The Role of GCM's in Studying Climate Change and Agricultural Markets," Invited paper, Seminar series on Global Climate Change, Cornell National Supercomputer Facility, Ithaca, NY. October 9, 1989.
274. Adams, R.M. "Potential Economic Effects of Climate Change." Invited Seminar, Department of Agricultural Economics, Cornell University, Ithaca, NY. October 9, 1989.
275. Adams, R.M. "An Economists' Viewpoint on Climate Change," Invited Seminar, U.S. Environmental Protection Agency. January 24, 1990.
276. Adams, R.M. "The Role of Agriculture in Climate Change," Invited Paper, Symposium on Managing Agriculture for Environmental Goals, Washington DC. May 16, 1990.
277. Adams, R.M. and B.A. McCarl. "Estimating the Effects and Contributions of Agriculture and Forestry." Invited Paper, Conference on Global Change: Economic Issues in Agriculture, Forestry and Natural Resources, Washington D.C. November 19-21, 1990.
278. Adams, R.M. "The Role of Agriculture in Trace Gas Emissions: Costs of Alternative Control Strategies," Invited Seminar, University of Nevada, Reno. December 3, 1990.
279. Adams, R.M. "The Effects of Climate Change on Regional Comparative Advantage." Invited Seminar, Los Alamos National Laboratory, Los Alamos, New Mexico. February 19, 1991.
280. Adams, R.M. "Economic Issues in Climate Change." Invited Seminar, Department of Economics, University of New Mexico. February 18, 1991.
281. Adams, D., R.M. Adams, J.M. Callaway and B.A. McCarl. "Sequestering Carbon in Agricultural Lands: A Preliminary Analyses of Social Cost and Impacts on the Timber Market." Invited Paper, Western Economics Association International Conference, Seattle, WA. June 30, 1991.
282. Adams, R.M. and T. Mount. "Climate Change and the Environment: Some Economic Issues." Invited Paper, International Agricultural Economics Association Meeting, Tokyo, Japan. August 23, 1991.
283. Adams, R.M. "Designing Recreation Valuation Studies: Some Pacific Northwest Experiences." Paper presented at workshop on Recreational Valuation, Mols Bergere, Denmark. June 6, 1992.
284. Adams, R.M. "On Valuing Fish and Wildlife Resources." Invited Seminar, Department of Economics, Royal Agricultural University, Copenhagen, Denmark. June 2, 1992.

285. Callaway, J.M., B.A. McCarl, R.M. Adams and C. Chang. "Carbon Sequestration and Agriculture." Western Economics Association Annual Meetings, June 1993.
286. Fleming, R.A. and R.M. Adams. "Regulating Groundwater Pollution: Effects of Geophysical Response Assumptions on Economic Efficiency." Western Agricultural Economics Association Annual Meetings, July 1993.
287. Kim, C.S., R.M. Adams and R. Fleming. "The Choice of Policy Instruments for Groundwater Quality Protection." Selected Paper, American Agricultural Economics Association Annual Meetings, San Diego, California, August 3-6, 1994.
288. Adams, R.M. "Natural Resource and Environmental Issues in the Pacific Northwest: Role of Economic Analysis." Invited Paper, International Seminar on Valuation of Natural and Environmental Resources. University of Concepción, Chile, August 25, 1994.
289. Adams, R.M. "Welfare Effects of Fishery Allocations: Native American Treaty Rights and Recreational Fishing." Invited Paper, International Seminar on Valuation of Natural and Environmental Resources. University of Concepción, Chile, August 25, 1994.
290. Adams, R.M., A. Solow, B. McCarl, D.M. Legler and R. Weiher. "The Value of El Niño Forecasts to Agriculture." Conference on the Economic Benefits of Meteorological Services, World Meteorological Organization. Geneva, Switzerland, September 19-23, 1994.
291. Fried, B., B. Berrens and R. Adams. "Willingness to Pay for a Change in Elk Hunting Quality: Evidence from the Starkey." Conference on Forestry and the Environment: Economic Perspectives. Banff, Canada, October 12-15, 1994.
292. Adams, R.M., B.A. McCarl, A. Solow and R. Weiher. "The Value of Improved Long-Range Forecasts for the U.S. Agricultural Sector." American Meteorological Society 75th Annual Meetings, Dallas, TX, January 19, 1995.
293. Adams, R.M. "Climate and Agriculture: A Review and Some Observations." Invited paper National Center for Atmospheric Research Symposium on the Economics of Climate, Boulder, CO, June 5-6, 1995.
294. Adams, R.M., P.C. Lin and R.P. Berrens. "Welfare Effects of Fishery Allocation Decisions: Native American Treaty Rights and Recreational Salmon Fishing." Invited paper, Third Annual Danish Workshop on Non-Market Valuation, Skjoldenæsholm, Denmark, June 8-9, 1995.
295. Costello, C.J., R.M. Adams, S. Polasky and D. Sampson. "Value of Improved ENSO Forecasts: A Stochastic Bioeconomic Model Applied to the Pacific Northwest Coho Fishery." Paper presented at American Fisheries Society Conference on Sustainable Fisheries. Vancouver, B.C., March 18-23, 1996.
296. Adams, R.M. "Benefits of Climate Information: Case of Agriculture, Fisheries, Energy and Water Management." NOAA-IOC Workshop on Socio-economic Aspects of GOS. Bethesda, MD, May 15, 1996.
297. Bergland, O., B. Fried and R. Adams. "Temporal Stability of Values from the Contingent Valuation Method." Paper presented at EAERE annual meetings, Lisbon, Portugal, June 18-21, 1996.
298. Adams, R.M. "The Value of ENSO Forecasts to Agriculture and Fisheries." Invited seminar, Texas A&M University, September 13, 1996.

299. Burke, S., R.M. Adams and A. Draper. "Estimating Economic and Environmental Benefits of Water Markets in a Spatially Diverse Setting." Invited paper, International Water and Resource Economics Consortium, Annapolis, MD, April 14-16, 1997.
300. Adams, R.M. "Climate Change, Agricultural Productivity and Food Supplies." Invited paper, USEPA/AMA Conference on Emerging Public Health Threat and the Role of Climate Change, Atlanta, GA, March 11-12, 1998.
301. Adams, R.M. "Climate Change and Agriculture: What Have We Learned From the Past Decade?" Paper presented AAEA Annual Meetings, Salt Lake City, UT, August 3-5, 1998.
302. Adams, R.M. "Climate Change and Agriculture: Impacts and Opportunities." National Forum on Agriculture, Ames, IA, March 1-2, 1999.
303. Burke, S., R.M. Adams, R.E. Howitt and W. Wallander. "Modeling the Economic and Hydrology of Agricultural Water Use with a Spatial Perspective." Pacific Northwest Conference on Environmental and Resource Economics, Eugene, OR, May 21-22, 1999.
304. Adams, R.M. "Effects of Climate Change on Agriculture: Facts and Fantacies." American Agricultural Economics Workshop on Climate, Nashville TN, August 7, 1999.
305. Adams, R.M., B.A. McCarl and C.C. Chen. "Economic Effects of Shifts in ENSO Event Frequency and Strength." International Workshop on Climate Prediction and Agriculture (CLIMAG), World Meteorological Organization, Geneva, Switzerland, September 27-29, 1999.
306. Adams, R.M. "The Economic Value of ENSO Forecasts: The U.S. Experience." International Seminar on Climate Change and Variability. University of Talca, Talca, Chile. January 26-27, 2000.
307. Adams, R.M. "The Value of Climate Forecasts." International Forum on Climate Prediction, Agriculture and Development. Columbia University, Palisades, New York. April 26-28, 2000.
308. Adams, R.M. "Impacts and Benefits of Climate Change." Caribbean Conference on Planning for Adaptation to Global Climate Change. San Fernando, Trinidad. May 15-16, 2000.
309. Adams, R.M. "Climate Change and the Political Economy of Carbon Sequestration." American Agricultural Economics Association Annual Meeting, Tampa, Florida. July 31-August 2, 2000.
310. Adams, R. "Future Directions in Economic Research on Air Pollution." International Conference on Future Directions in Air Quality Research, North Carolina State University, February 11-14, 2001.
311. Adams, R.M. and L.L. Houston. "Value of Improved ENSO Forecasts to Mexican Agriculture." Workshop on Assessing ENSO Effects on the Mexican Economy, UNAM, Mexico City, MX, June 3-5, 2001.
312. Adams, R.M. "A Review of Climate Change Effects on Agriculture." Workshop on Climate Change Impacts and Integrated Assessments, Snowmass, CO, August 1-4, 2001.
313. Adams, R.M. "Institutional Failure and the ESA: Case of the Klamath Basin. AAEA Annual Meetings, Long Beach, CA, August 2002.
314. Adams, R.M. "Effects of Climate Change on Crop Yields and Water Use." California Energy Commission Symposium on Climate Change, Sacramento, CA, February 20, 2003.
315. Weiher, R.F., R.M. Adams and T.E. Teisburg. "Valuing Weather Forecasts." Presentation at World Bank Workshop on Modernizing Russian Meteorological Services, Moscow, Russia. November, 2003.

316. Adams, R.M. "The Role of Economic Information on Design of Weather Forecast Products." Presentation at NOAA Workshop on the Use of Economics in Priority Setting, Washington D.C., April 22, 2004.
317. Adams, R.M. and D.E. Peck. "Strategies for Mitigating Water Supply Reductions: Case of Oregon's Irrigated Agriculture." USDA Conference on Risk Management in a Water-Short World, Washington D.C., May 22-24, 2004.
318. Adams, R.M. "Role of Weather Forecasts in Drought Management." NCAR Workshop on Weather and Water, Boulder, CO, September 2004.
319. Adams, R.M. "Climate Change and Water Resources: Implications for the Pacific Northwest." Presentation to Oregon Editors and Publishing Association, Portland, OR, April 8, 2005.
320. Adams, R.M. "The Value of Streamflow Forecasts in Managing Endangered Salmonids." Paper presented at NOAA Workshop on Valuation of Water Resources, Washington, D.C., August 2-3, 2005.
321. Adams, R.M. "Global Warming: Challenges and Opportunities." Invited Paper, Consejo Nacional Agropecuario (National Agricultural Business Council), Mexico City, Mexico. June 14-15, 2006.
322. Adams, R.M. and D.E. Peck. "Climate Change and Water Resources." Invited Paper, Rosenberg International Forum on Water Resources, Banff, Canada. September 7-10, 2006.
323. Peck, D.M. and R.M. Adams. "Persistence of Drought Effects Across Growing Seasons: a Dynamic, Stochastic Analysis". 101<sup>st</sup> Seminar of the European Association of Agricultural Economists: Management of Climate Risks in Agriculture. Berlin, Germany, June 5-6, 2007
324. Adams, R.M. "Climate Change: Economics of Water Resources Effects." Keynote address Association of Caribbean and Latin American Environmental Economists, Talca, Chile, September 24-27, 2007.
325. Peck, D. E. and R.M. Adams. "Influence of Incentives and Property rights on water demand and water disputes". Invited paper at EXP) 2008, Thematic Week 7, The Role of Market instruments in Integrated Water Management. Zaragosa, Spain, July 28-August 1, 2008.
326. Adams, R.M., B. Huang and C. Langpap. "The Value of Stream Temperature Forecasts: Case of the Pacific Northwest." Invited Seminar, National Weather Service, Office of Hydrological Development, Washington, D.C., September 19, 2009.
327. Adams, R.M., C. Langpap and B. Huang. The Value of Stream temperature Forecasts in the Management of Salmonids. Invited Seminar, NOAA Fisheries, Seattle, WA. May 27, 2010.
328. Kim, C.S., M. Aillery, R.M. Adams and M Livingston. "A Dynamic Model of Farmer Adaptation to Surface Water Supply Uncertainty". 2011 Joint Annual Meetings of AAEA and NEREA, Pittsburgh, PA.
329. Attanavich, W., B. Rashford, R. M. Adams and B. McCarl. "An Economic Analysis of Climate Change Impacts of Agriculture and Wetlands". AERE/AAEA Annual meetings, Seattle WA. 2012

## **Professional Affiliations and Related Activities**

Reviewer for over 25 agricultural economics, economics, and interdisciplinary journals.

Member, Master's Thesis Awards Committee, Western Agricultural Economics Association, 1976, 1980, 1988.

Member, Outstanding Published Research Award, Western Agricultural Economics Association, 1985.

Council Member, Western Agricultural Economics Association, 1975-1977.

Member of Editorial Council, Western Journal of Agricultural Economics, 1980-1982.

Reviewer for USEPA, Critical Assessment Document on Acid Deposition, 1982-1983.

Reviewer and Chairperson, various sessions and years, Western Agricultural Economics Association and American Agricultural Economics Association annual meetings.

Member, American Agricultural Economics Association.

Member, Western Agricultural Economics Association.

Member, Association of Environmental and Resource Economists.

Member, Western Economics Association

Chairperson, AAEE Awards Program, 1990.

Member, AAEE Outstanding Policy Contribution Committee, 1990-1992; 1999-2001.

Member, AAEE Fellows Selection Committee, 2003.

## **University Related Activities**

Member, Graduate Advisory Committee, Division of Agricultural Economics, University of Wyoming, 1975-1981.

Member, University of Wyoming Committee on Committees, 1978.

Chairman, Master's Thesis Selection Committee, Division of Agricultural Economics, University of Wyoming, 1981.

Member, Dean's Search Committee, College of Agriculture, University of Wyoming.

Associate, Resource and Environmental Economics Laboratory, University of Wyoming.

Member, University of Wyoming Academic Standards committee, 1977-1980.

Member, Planning and Policy Committee, Department of Agricultural and Resource Economics, Oregon State University, 1984-1990.

Member, Graduate Advisory Committee, Department of Agricultural and Resource Economics, Oregon State University, 1984-1990.

Member, Water Resources Institute Board of Directors, 1985-1988.

Member, Oregon State University Faculty Senate, 1988-1991.

Member, College of Agricultural Student Awards Committee, 1988, 1990, 1991.

Vice Chair, Planning and Policy Committee, Oregon State University, 1988-1990.

Chair, Graduate Committee and Graduate Program Coordinator, 2000-2005.

## **Honors, Awards and Professional Recognition**

Henry A. Jastro Fellowship for Graduate Study, University of California, Davis 1970-1971.

Outstanding Doctoral Dissertation, Department of Agricultural Economics, University of California, Davis, 1975.

Gamma Sigma Delta.

Member, Agricultural Advisory Committee and chairman, Science Advisory Subcommittee, California Air Resources Board. 1982 to 1988.

Member, USEPA Air Ecology Peer Review Panel. Provide annual review of EPA air pollution effects programs and projects, consult with project leaders as needed. 1980-1982.

Invited participant, NATO Advanced Research Seminar on the Effects of UV-B Radiation on Terrestrial Ecosystems. Bad Windsheim, West Germany, September 1983.

Invited participant, USEPA/NATO Workshop on the Effects of Air Pollutants on Climate and Visibility: Research Review and Recommendations. Rougemont, North Carolina. January 29-February 1, 1984.

Member, USEPA Photo biology Peer Review Panel. Conduct annual reviews of EPA research program on UV-B radiation effects on terrestrial ecosystems. 1984-1986.

Member, Technical Subcommittee of Oregon Department of Environmental Quality Advisory Committee on Field Burning. 1985-1987.

**U.S. Environmental Protection Agency. Award for Research Excellence, National Crop Loss Assessment Network. November 1987.**

Member, Agricultural Advisory Committee, and Chairman, Science Advisory Subcommittee, California Air Resources Board. 1982 to 1987.

Invited Participant, U.S.-Dutch Symposium on Ozone Effects. Nijmegen, The Netherlands. May 8-13, 1988.

**Associate Editor, *Water Resources Research*. 1988-1992.**

Chairman, Policy Sciences Committee, Hydrology Section, American Geophysical Union, 1988-1990.

**Thesis Advisor, outstanding M.S. Thesis, Western Agricultural Economics Association, 1988.**

External Reviewer, College of Agriculture Research Program, University of Nevada, Reno, December 3-4, 1990.

Member, Council on Agricultural Science and Technology (CAST) Committee on Water Quality. 1991-92.

Advisory Panel, Systems at Risk from Climate Change. U.S. Congress, OAT, 1992.

**Vice President, Western Agricultural Economics Association, 1990-1991.**

**Editor, *American Journal of Agricultural Economics*, 1992-1994. Vols. 74-76.**

Peer Review Panel, U.S. Department of Energy, Secretary of Energy Advisory Board, 1993.

Member, Council on Agricultural Science and Technology (CAST) Committee on the Future of Irrigated Agriculture, 1993-94.

Member, National Research Council, Committee on the Future Value of Groundwater, 1994-96.

Member, USEPA Socioeconomic Review Panel, 1995.

**Editor's Citation for Excellence in Referring, *Water Resources Research*, 1995.**

Editorial Council, *Journal of Environmental Economics and Management*, 1996-1998.

**Outstanding Journal Article (Lin, Adams and Berrens), *Journal of Agricultural and Resource Economics*, 1996.**

Member, Office of Global Programs, NOAA 1997 Review Panel.

Member, National Technical Advisory Committee, National Institute for Global Environmental Change, 1997-2000.

Co-Convener, U.S. National Forum on Climate Change, Washington DC, November 1997.

**Vice-Chancellor's Award for Excellence, Texas A&M University, 1998.**

Member, Steering Committee for Agricultural Assessment, USGRP, 1998-2000.

Member, NOAA Panel on the Value of the ISOOS Program, 2000.

**Distinguished Fellow, American Association of Agricultural Economics, 2001.**

Member, National Research Council Committee on the Status of Endangered Fishes of the Klamath Basin, 2001-2002.

**Outstanding Journal Article (WU and Adams), *Canadian Journal of Agricultural Economics*, 2001.**

Member, National Research Council Committee on Water Resources Management, Instream Flows and Salmon Survival in the Columbia River, 2003-2004.

**Listed in *Who's Who in Economics*, Fourth Edition, M. Blaug (ed.), Edward Elgar Publishers, 2003.**

**Member, Independent Science Board, California Bay-Delta Authority (CALFED).**

Member (with J. Mount, U.C. Davis and R. Twiss, UC Berkeley), Panel on the "Role of Science in the Future of the California Delta." California Resource Agency. 2006.

Member, Technical Advisory Panel, CALFED Delta Risk Management Strategy. 2007-2008.

**Outstanding Journal Article, *Australian Journal of Agricultural and Resource Economics* (Peck and Adams). 2010**

## Research Grants

Principal or Co-Principal Investigator for the following contracts:

\$145,600 — USDA, SEA. To direct research on the economic consequences of ozone related crop losses for major agricultural commodities and production regions. July 1981 to December 1983.

\$215,000 — USEPA, Office of Research and Development. Funds to conduct NCLAN regional and national economic assessments. July 1981 to June 1984.

\$45,000 — USEPA. Develop methods for assessing the long-term economic consequences of air pollution on perennial crops and forests. October 1982 to September 1984.

\$49,000 — USEPA, Acid Deposition Assessment Program. Assess preliminary economic costs of acid deposition on Midwest agriculture. March 1984 to May 1985.

\$237,000 — USEPA, Office of Research and Development. Assess economic effects of air pollution on crop yield variability; incorporate environmental risk measures in economic assessments of pollution control. March 1985 to December 1987.

\$2,650 — Oregon State University Agricultural Research Foundation. To assess benefits and costs of water allocation within the John Day River Basin of Oregon. July 1986-1988.

\$135,000 — U.S. Department of Interior, Geological Survey. Develop and implement an interdisciplinary assessment of the economic benefits and costs of Streamflow and habitat alteration for Steelhead trout enhancements on the John Day River, Oregon. September 1987 to August 1990.

\$47,800 — U.S. Department of Interior, Geological Survey. Determine the economic consequences of alternative irrigation practices restrictions to reduce groundwater pollution in Morrow/Ambitiously Counties, Oregon. September 1987 to August 1989.

\$44,000 — U.S. Environmental Protection Agency. Measure the economic effects of climate change on U.S. Agriculture. A component of an interdisciplinary study of the overall consequences of global climate change. October 1987 to September 1988.

\$107,000 — USDA, CARS. Assess the economic costs to irrigated agricultural producers of alternative groundwater quality restrictions in Oregon and Washington. August 1989 to July 1991.

\$105,000 — USDA, CARS. Continuation of above project. September 1991 to August, 1993.

\$41,700 — USEPA. Assess the effects of changes in water supply due to climate change on U.S. agriculture. October, 1991 - September, 1993.

\$85,000 — USDA, ERS. Assess the effects of management practices groundwater quality in the Treasure Valley region of eastern Oregon. June, 1992 - June, 1995.

\$78,000 — USDA, NOAA. Assess the value of improved ENSO forecasts to Pacific Northwest salmon fisheries. May 1, 1995 - April 30, 1996.

\$229,000 — USDA, CARS. Low Flow Augmentation Through Market Transfers of Deschutes River Water. August, 1995 - July, 1997.

\$148,500 — USDA, CARS. Assessment of Economic Tradeoffs Between Environmental Quality and Agricultural Production in the Klamath Basin. October 1, 1996 - September 30, 1998.

\$34,500 — USDA, USAR. Economic Analyses of Water-Based Recreation in the Upper Klamath Basin. June, 1999 - July, 2000.

\$76,000 — NOAA, UDC. Assess the Value of ENSO Forecasts to the Mexican Agricultural Sector. November, 1999 to December 2001.

\$15,600 — US Forest Service. Assess value of water across various uses in western U.S. August 2000 - February, 2001.

\$45,000 — US Forest Service. Assess future demands for water resources in the Pacific Northwest. 2001-2002.

\$39,000 — USDA, ERS. Farmers response to drought in federal irrigation projects. October 2002-September, 2004.

\$42,000 — Delta Waterfowl Foundation. Assess value of wetland mitigation in Manitoba. September 2003-December, 2005.

\$59,000 — NOAA, USDC. Implications of Climate Variability and Forecasts to Western Water Users, 2006.

\$60,000 — USEPA STAR Grant, Implications of Climate Change on Wetlands in the Prairie Pothole Region of North America. 2006-2008.

\$54,000 — NOAA, National Weather Service. An Assessment of the Value of Stream Temperature Forecasts. 2008.

#### Co-Investigator (at University of Wyoming)

\$545,000 — USEPA. To develop and apply methods for assessing the benefits of environmental improvements. 1977 to 1980.

**JOHN B. BRADEN**  
***Curriculum Vitae***

*April 2012*

---

**ADDRESSES**

University: 337 Mumford Hall, 1301 W. Gregory Dr., Urbana, IL 61801. ph +217/333-5501; fax +217/333-2312; jbb@illinois.edu

Home & Consulting: 606 W. Delaware Ave., Urbana, IL 61801. ph +217/328-7319; jbb33@comcast.net

**EDUCATION**

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

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

**EMPLOYMENT**

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

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

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

**RECOGNITIONS**

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

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

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

American Council on Education, Fellow (1992-93)

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

Fulbright Research Scholar, New Zealand (1990)

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

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

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

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

**LEADERSHIP EXPERIENCE**

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

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

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

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

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

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

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

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

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

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

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

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

---

### ***PROFESSIONAL ASSOCIATIONS***

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

### ***PROFESSIONAL SERVICE***

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

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

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

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

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

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

### ***TEACHING & CURRICULUM DEVELOPMENT***

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

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

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

---

**UNIVERSITY SERVICE** [Major leadership roles elaborated elsewhere]

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

**PUBLIC SERVICE**

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

**INTERNATIONAL AND VISITING APPOINTMENTS**

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

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

**CONSULTANCIES**

AquaNova International, Ltd.; Natural Resources Defense Council; Waterkeepers Alliance; Environmental Planning & Economics, Inc.; Illinois Corn Growers, Inc.; E<sup>2</sup> Inc.; Skeo Solutions Inc.; U.S. Fish and Wildlife Service; National Oceanic and Atmospheric Administration; Northeast-Midwest Institute; United Nations Environment Program; World Bank; various academic publishers; Ohio State University; University of Missouri

---

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

### **SELECTED PUBLICATIONS & PROGRAM SUPPORT**

#### **BOOKS**

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

#### **SELECTED JOURNAL ARTICLES [OF 68]**

- [1] Braden, J.B. and D.W. Bromley. "The Economics of Cooperation over Collective Bads." *Journal of Environmental Economics and Management*, 8 (No. 2, 1981): 134-150.
  - [2] Braden, J.B. "Commercial Prospects for Natural Gas Extraction from Lake Erie." *Journal of Great Lakes Research*, 7 (No. 1, 1981):29-36.
  - [3] Braden, J.B. "Some Emerging Rights in Agricultural Land." *American Journal of Agricultural Economics*, 64 (No. 1, 1982):19-27.
-

- 
- [4] Braden, J.B. and D.L. Uchtmann. "Soil Conservation Programs Amidst Faltering Environmental Commitments and the 'New Federalism'." *Boston College Environmental Affairs Law Review*, 10 (No. 3, 1982-3):639-96.
- [5] Carlson, J.L., J.B. Braden, and D.W. Martin. "Implications of Executive Order 12,291 for Discretion in Environmental Regulation." *Boston College Environmental Affairs Law Review*, 12 (No. 2, 1984-5):313-40.
- [6] Braden, J.B. and D.L. Uchtmann. "Agricultural Nonpoint Pollution Control: An Assessment." *Journal of Soil and Water Conservation*, 40 (No. 1, 1985):23-26. [Invited paper.]
- [7] Farnsworth, R.L. and J.B. Braden. "Educational and Institutional Needs of the Conservation Title." *Journal of Soil and Water Conservation*, 43 (No. 2, 1988):145-7.
- [8] Miltz, D., J.B. Braden, and G.V. Johnson. "Standards Versus Prices Revisited: The Case of Agricultural Nonpoint Source Pollution." *Journal of Agricultural Economics*, 39 (September 1988):360-68.
- [9] Braden, J.B., G.V. Johnson, A. Bouzaher, and D. Miltz. "Optimal Spatial Management of Agricultural Pollution." *American Journal of Agricultural Economics*, 71 (No. 2, 1989):404-413. [Reprinted in *The Economics of Agro-Environmental Policy*, Vol. 1, S.S. Batie and R.D. Horan, eds. Aldershoot, Hants, England: Ashgate, 2004, pp. 411-420.]
- [10] Braden, J.B., E.E. Herricks, and R.S. Larson. "Economic 'Targeting' of Nonpoint Pollution Abatement for Fish Habitat Protection." *Water Resources Research*, 25 (No. 6, 1989):2399-2406.
- [11] Braden, J.B., R.S. Larson, and E.E. Herricks. "Impact Targets versus Discharge Standards in Agricultural Pollution Management." *American Journal of Agricultural Economics*, 73 (No. 2, 1991):388-397.
- [12] Saleth, R.M., J.B. Braden, and J.W. Eheart. "Bargaining Rules for a Thin Spot Water Market." *Land Economics*, 67 (3, 1991):326-339.
- [13] Netusil, N.R. and J.B. Braden. "Market and Bargaining Approaches to Nonpoint Source Pollution Abatement Problems." *Water Science and Technology*, 28(3-5, 1993): 35-45.
- [14] Braden, J.B., N.R. Netusil, and R. Kosobud. "Incentive-based Nonpoint Source Pollution Abatement in a Reauthorized Clean Water Act." *Water Resources Bulletin*, 30(5,1994): 781-791.
- [15] Braden, J.B. "Changing Agricultural Property Rights for the 21st Century: Discussion." *American Journal of Agricultural Economics*, 77(5, 1995):1204-1206.
- [16] Braden, J.B. "The Value of Valuation: Introduction." *Journal of Water Resources Planning and Management*, 126(6, 2000): 336-338.
-

- 
- [17] Netusil, N.R. and J.B. Braden. "Transactions Costs and Sequential Bargaining in Transferable Discharge Permit Markets." *Journal of Environmental Management*, 61 (3, 2001): 253-262.
- [18] Ipe, C.V., E.A. DeVuyst, J.B. Braden, and D.C. White. "Simulation of a Group Incentive Program for Farmer Adoption of Best Management Practices." *Agricultural and Resource Economics Review*, 30 (2, 2001): 139-150.
- [19] Braden, J.B. and D.M. Johnston. "Downstream Economic Benefits from Stormwater Management." *Journal of Water Resources Planning and Management*, 130 (6, 2004): 498-505.
- [20] Braden, J.B., A.A. Patunru, S. Chattopadhyay, and N. Mays. "Contaminant Cleanup in the Waukegan Harbor Area of Concern: Homeowner Attitudes and Economic Values." *Journal of Great Lakes Research*, 30 (4, 2004): 474-491.
- [21] Chattopadhyay, S., J.B. Braden, and A.A. Patunru. "Benefits of Hazardous Waste Cleanup: New Evidence from Survey- and Market-Based Property Value Approaches." *Contemporary Economic Policy*, 23 (3, 2005): 357-375.
- [22] Islam, M. and J. Braden. "Bio-economic Development of Floodplains: Farming versus Fishing in Bangladesh." *Environment and Development Economics*, 11 (1, 2006): 95-126.
- [23] Johnston, D.M., J.B. Braden, and T.H. Price. "The Downstream Economic Benefits of Stormwater Management: A Comparative Analysis." *Journal of Water Resources Planning and Management*, 132 (1, 2006): 35-43.
- [24] Sparks, R.E. and J.B. Braden. "Naturalization of Developed Floodplains: An Integrated Analysis." *Journal of Contemporary Water Research and Education*, 136 (June 2007) : 7-17.
- [25] Patunru, A.A., J.B. Braden, and S. Chattopadhyay. "Who Cares about Environmental Stigmas and Does It Matter? A Latent Segmentation Analysis of Property Values." *American Journal of Agricultural Economics*, 89 (3, 2007): 712-726.
- [26] Ren, X., A.A. Patunru, and J.B. Braden. "Language-Related Differences in Environmental Benefits Estimation: Evidence from a Mail Survey." *Contemporary Economic Policy*, 26 (1, 2008): 13-31.
- [27] Braden, J.B., L.O. Taylor, D. Won, N. Mays, A. Cangelosi, and A.A. Patunru. "Economic Benefits of Remediating the Buffalo River, NY Area of Concern." *Journal of Great Lakes Research*, 34 (4, 2008): 631-648.
- [28] Braden, J.B., L.O. Taylor, D. Won, N. Mays, A. Cangelosi, and A.A. Patunru. "Economic Benefits of Remediating the Sheboygan River, WI Area of Concern." *Journal of Great Lakes Research*, 34 (4, 2008): 649-660.
- [29] Braden, J.B., D. Brown, J. Dozier, P. Gober, D.R. Maidment, S.L. Schneider, P.W. Schultz, J.S. Shortle, S.K. Swallow, and C.M. Werner. "Social science in a water observing system," *Water Resources Research*, 45 (W11301, 2009), doi:10.1029/2009WR008216.
-

- 
- [30] Braden, J.B., X. Feng, L. Freitas, and D. Won. "Meta-Functional Transfer of Hedonic Property Values: Application to Great Lakes Areas of Concern." *Agricultural and Resource Economics Review*, 39(1, 2010): 101-113, <http://purl.umn.edu/59339>.
- [31] Ren, X., D. Fullerton, and J.B. Braden. "Optimal Taxation of Externalities Interacting through Markets: A Theoretical General Equilibrium Analysis." *Resource and Energy Economics*, 33(2, 2011): 496-514, doi:10.1016/j.reseneeco.2010.10.002.
- [32] Mieno, T. and J.B. Braden. "Residential Demand for Water in the Chicago Metropolitan Area." *Journal of the American Water Resources Association*, 47(4, 2011): 713-723, DOI: 10.1111/j.1752-1688.2011.00536.x.
- [33] Characklis, G., P. Adriaens, J. Braden, J. Davis, B. Hamilton, J. Hughes, M. Small, and J. Wolfe. "Increasing the Role of Economics in Environmental Research (or moving beyond the mindset that Economics = Accounting)." *Environmental Science & Technology*, 45(15, 2011): 6235-6236, DOI: 10.1021/es202128s.
- [34] Braden, J.B., X. Feng, and D. Won. "Waste Sites and Property Values: A Meta-analysis." *Environmental and Resource Economics*, 50(2, 20-11): 175-201, DOI: 10.1007/s10640-011-9467-9.
- [35] Ng, T.L., J.W. Eheart, X. Cai, and J.B. Braden. "An agent-based model of farmer decision-making and water quality impacts at the watershed scale under markets for carbon allowances and a second-generation biofuel crop." *Water Resources Research*, doi:10.1029/2011WR010399 (in press).

#### SELECTED CHAPTERS IN BOOKS AND PROCEEDINGS [OF 42]

- [1] Braden, J.B. and K.R. Livengood. "Natural Resource Policies and Midwest Economic Renewal." In *The Midwest Economy: Issues and Policy*, Eds. R. Resek and R. Kosobud. Urbana: Illinois Bureau of Economics and Business Research, 1983, pp. 31-49.
- [2] Braden, J.B., G.V. Johnson, and D.G. Martin. "Efficient Control of Agricultural Sediment Deposition in Water Courses." In *Options for Reaching Water Quality Goals*, Ed. Theodore M. Schad. Tech. Pub. Ser. 84-2, American Water Resources Association, Bethesda, MD., 1985, pp. 69-76.
- [3] Braden, J.B. "Intergovernmental Relations: Trends and Opportunities." In *Making Soil and Water Conservation Work*, Eds. D. Halbach, C.F. Runge, and W.E. Larson. Ankeny, IA: Soil Conservation Society of America Press, 1987, pp. 151-65. [Invited conference presentation.]
- [4] Braden, J.B. "Financing Nonpoint Pollution Abatement: The Peculiar Case of Agriculture." In *Political, Institutional, and Fiscal Alternatives to Accelerate Nonpoint Pollution Programs*, Ed. V. Novotny. Milwaukee, WI: Marquette University Press, 1988a, pp. 147-61. [Invited conference presentation.]
- [5] Braden, J.B. "Nonpoint Pollution Policies and Politics: The Role of Economic Incentives." In *Nonpoint Pollution: 1988 - Policy, Economy, Management, and Appropriate Technology*, Ed. V. Novotny.
-

- 
- Bethesda, MD: American Water Resources Association, 1988b, pp. 57-66. [Invited conference presentation.]
- [6] Braden, J.B., R.L. Farnsworth, J.M. Mill, W.D. Seitz, and D.L. Uchtmann. "Revenue Sources for Nonpoint Pollution Abatement." In *Nonpoint Pollution: 1988 - Policy, Economy, Management, and Appropriate Technology*, Ed. V. Novotny. Bethesda, MD: American Water Resources Association, 1988, pp. 97-106.
- [7] Braden, J.B. and S.B. Lovejoy. "Overview." In *Agriculture and Water Quality: International Perspectives*, Eds. J.B. Braden and S.B. Lovejoy. Boulder, CO: Lynne Rienner Publishers, 1990, pp. 1-5.
- [8] Kolstad, C.D. and J.B. Braden. "Environmental Demand Theory." In *Measuring the Demand for Environmental Quality*, Eds. J.B. Braden and C.D. Kolstad. Amsterdam: Elsevier/North-Holland, Contributions to Economic Analysis No. 198, 1991, pp. 17-39.
- [9] Braden, J.B. and K. Segerson. "Information Problems in the Design of Nonpoint-Source Pollution Policy." In *Theory, Modeling, and Experience in the Management of Nonpoint-Source Pollution*, Eds. C.S. Russell and J.F. Shogren. Kluwer Academic Publishers, Dordrecht, 1993, pp. 1-36.
- [10] White, D.C., J.B. Braden, and R.H. Hornbaker. "Economics of Sustainable Agriculture." In *Sustainable Agriculture Systems*, Eds. J.L. Hatfield and D.L. Karlen. Lewis Publishers, Boca Raton, FL., 1994, pp. 229-260.
- [11] Tomasi, T., K. Segerson, and J. Braden. "Issues in the Design of Incentive Schemes for Nonpoint Source Pollution Control." In *Nonpoint-Source Pollution Regulation: Issues and Analysis*, Eds. C. Dosi and T. Tomasi. Kluwer Academic Press, Dordrecht, Netherlands, 1994, pp. 1-37.
- [12] Saleth, R.M. and J.B. Braden. "Minimizing Potential Distortions in a Spot Water Market: A Multilateral Bargaining Approach." In *Resolution of Water Quantity and Quality Conflicts*, Eds. A. Dinar and E. Loehman. Praeger Publishing Co., Westport, CT, 1995, pp. 385-397.
- [13] Braden, J.B. and C.G. Kim. "Economic Approaches to Evaluating Environmental Programs." In., *Environmental Program Evaluation: A Primer*, Eds. G. Knapp and J. Kim. University of Illinois Press, Urbana, 1997, pp. 203-237.
- [14] Sparks, R.E., J.B. Braden, M. Demissie, P. Mitra, D. Schneider, D.C. White, and R. Xia. "Linking River Hydrology to Floodplain Ecology." *Water Lessons of World Development—Proceedings of the Universities' Council on Water Resources Annual Meeting*. Kamuela, HA, 1999, pp. 140-147.
- [15] Sparks, R.E., J.B. Braden, M. Demissie, P. Mitra, D. Schneider, D.C. White, and R. Xia. "Technical Support of Public Decisions to Restore Floodplain Ecosystems: A Status Report on the Illinois River Project, USA." In *New Approaches to River Management*. Backhuys Publishers, Leiden, the Netherlands, 2000, pp. 225-247.
-

- 
- [16] Braden, J.B. and S. Chattopadhyay. "Hedonic Valuation of Environmental Improvements." In *Revealing the Economic Value of Protecting the Great Lakes*, Ed. A. Cangelosi. Washington, DC: Northeast-Midwest Institute, 2001, pp. 78-83.
- [17] Chattopadhyay, S. and J.B. Braden. "Case Study of a Hedonic Analysis: The Benefits of Air Quality Improvement in the Great Lakes Region." In *Revealing the Economic Value of Protecting the Great Lakes*, Ed. A. Cangelosi. Washington, DC: Northeast-Midwest Institute, 2001, pp. 120-130.
- [18] Clune, W.H. and J.B. Braden. "Financial, Economic, and Institutional Barriers to Green Urban Development: The Case of Stormwater." In *Cities of the Future: Creating Blue Water in Green Cities*, Ed. V. Novotny & P. Brown. London: IWA Publishing, 2007, pp. 388-401.
- [19] Johnston, D.M. and J.B. Braden. "Green Landscapes: Exogenous Economic Benefits of Environmental Improvement." In *Political Economies of Landscape Change: Places of Integrative Power*, Ed. J.L. Wescoat, Jr. & D.M. Johnston. Springer, 2008, pp. 195-214.
- [20] Braden, John B. and Amy W. Ando, "Economic Costs, Benefits, and Achievability of Low-Impact Development Based Stormwater Regulations." In *Economic Incentives for Stormwater Control*, Ed. H.W. Thurston, Taylor & Francis, Boca Raton, FL., 2012, pp. 45-70.
- [21] Braden, J.B. and J.S. Shortle, "Agricultural Sources of Water Pollution," In *Encyclopedia of Energy, Natural Resource and Environmental Economics*, Ed. J. Shogren, Chap. 111. Elsevier, Amsterdam (forthcoming 2012)
- [22] Shortle, J.S. and J.B. Braden, "The Economics of Nonpoint Source Pollution," In *Encyclopedia of Energy, Natural Resource and Environmental Economics*, Ed. J. Shogren. Elsevier, Amsterdam (forthcoming 2012)

#### SELECTED BULLETINS AND REPORTS [OF 51]

- [1] Braden, J.B. and D.W. Bromley. "Natural Gas from Lake Erie: An Economic and Environmental Appraisal." Madison, WI: University of Wisconsin-Madison, Institute for Environmental Studies, IES Report 111, 1980, 150 pp.
- [2] Braden, J.B., D.L. Uchtman, and D.R. Prutton. "Problems of Administrative Coordination in the Implementation of Agricultural Nonpoint Pollution Controls." Urbana, IL: Illinois Water Resources Center, Report No. 171, 1982, 72 pp.
- [3] Hauser, R.J. and J.B. Braden. Testimony in "Developments in the Production and Use of Ethanol Fuels." Washington, DC: U.S. House of Representatives, Committee on Science and Technology and Committee on Agriculture, Serial No. 98-92, 1984.
- [4] Braden, J.B., R.L. Farnsworth, W.D. Seitz, and D.L. Uchtman. "Financing Mechanisms for Agricultural Nonpoint Pollution Control." Springfield, IL: Illinois Department of Energy and Natural Resources, ILENR/RE-EA-88/20, 1988, 114+ pp.
-

- [5] Lupi, F., Jr., R.L. Farnsworth, and J.B. Braden. "Improvement of Lake Water Quality by Paying Farmers to Abate Nonpoint Source Pollution." Urbana, IL: Illinois Water Resources Center Report No. UILU-WRC-88-210, 1988, 96 pp.
- [6] White, D.C., M.L. Penosky, J.B. Braden, R.D. Mariner, and D. Dreher. "Mechanisms for Stream Corridor Protection." Springfield, IL: Illinois Department of Energy and Natural Resources, Report No. ILENR/RE-WR-89/19, 1989, 89 pp.
- [7] Larson, R.S., E.E. Herricks, and J.B. Braden. "Efficient Protection of Fisheries Habitat in Great Lakes Tributaries from Agricultural Pollution." Urbana, IL: Illinois-Indiana Sea Grant Program, Report No. 89-04, 1990.
- [8] Hirschi, R.L. and J.B. Braden. "Economic Evaluation of the Emiquon National Wildlife Refuge in Fulton County, Illinois." Report prepared for the U.S. Fish and Wildlife Service, Illinois River Division, April 1997.
- [9] Braden, J.B., S. Chattopadhyay, and A.A. Patunru. "The Economic Value of Environmental Clean-up: Contaminants in Waukegan Harbor, Illinois." Report to the Northeast-Midwest Institute under grant no. 040245, July 2003 (rev. September 2003).
- [10] Braden, J.B., D.M. Johnston, and T.H. Price. "The Downstream Economic Benefits of Stormwater Management." Report to the Conservation Research Institute and U.S. Environmental Protection Agency, Region 5, December 2003 under award no. X97576401.
- [11] Braden, J.B., L.O. Taylor, D. Won, N. Mays, A. Cangelosi, and A.A. Patunru. "Economic Benefits of Sediment Remediation." Report to the Great Lakes National Program Office, USEPA, under grant no. GL-96553601, December 2006, 121+ pp. ([www.nemw.org/EconBenReport06.pdf](http://www.nemw.org/EconBenReport06.pdf))
- [12] Dozier, J., J. Braden, et al. (35 authors), Living in the water environment: The WATERS Network science plan, rept. to NSF, Arlington, VA, 2009, 82 pp.
- [13] Wise, S., J. Braden, D. Ghalayini, J. Grant, C. Kloss, E. MacMullan, S. Morse, F. Montalto, D. Nees, D. Nowak, S. Peck, S. Shaikh, and C. Yu, "Integrating Valuation Methods to Recognize Green Infrastructure's Multiple Benefits." Center for Neighborhood Technologies, Chicago, 2010.

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

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

- [4] Braden, J.B., W.D. Seitz, R.L. Farnsworth, and D.L. Uchtmann. "Agricultural Nonpoint Pollution Control: Financing Alternatives." Illinois Department of Energy and Natural Resources, 1987-8, \$51,525.
- [5] Braden, J.B. and E.E. Herricks, "Efficient Protection of Fish Habitat in Great Lakes Tributaries from Agricultural Pollutants." U.S. Department of the Interior, Sea Grant Program (through Illinois-Indiana State Program), 1987-9, \$69,000.
- [6] Braden, J.B. "Mechanisms for Stream Corridor Protection." Illinois Department of Energy and Natural Resources, 1988-9, \$24,000.
- [7] Braden, J.B. and R.S. Larson. "Development of Watershed Management Models in a Spreadsheet Computing Environment." U.S. Soil Conservation Service, 1990-91, \$7,000.
- [8] Braden, J.B. and others at University of Illinois, Wageningen Agricultural University, and Catholic University of Leuven. "Environmental Policy and the 1992 Integration of Europe." U.S. Information Agency, 1991-95, \$99,744.
- [9] Braden, J.B., E. DeVuyst, and J.W. Eheart. "Market Incentives for Abatement of Nonpoint Source Pollution in Surface Water." U.S. Department of Agriculture, National Research Initiative, 1994-96, \$168,000.
- [10] Braden, J.B., M. Demissie, E.A. DeVuyst, D.A. Schneider, R.E. Sparks, and D.C. White. "Strategic Renewal of Large Floodplain Rivers." National Science Foundation, 1996-2000, \$271,000.
- [11] Sparks, R.E. J.B. Braden, M. Demissie, A. Isserman, D. Johnston D. Schneider, D. White. "Strategic Renewal of Large Floodplain Rivers: Integrated Analysis." National Science Foundation, 2000-2003, \$799,000
- [12] Ando, A.W., M. Khanna, and J.B. Braden. "Natural Resource Damage Assessment: Case Studies and Survey of Assessment Tools." Illinois Department of Natural Resources, 2001-2002, \$70,000.
- [13] Braden, J.B. "An Economic Valuation of Contaminated Sediment Remediation in Waukegan Harbor." U.S. Environmental Protection Agency/Northeast-Midwest Institute, 2001-2003, \$132,000.
- [14] Braden, J.B. "Public Finance Implications of Urban Stormwater Management." U.S. Environmental Protection Agency/Conservation Research Institute, 2002-2003, \$35,000.
- [15] Theis, T., J. Braden, U. Diwekar, K. Rockne, D. McGrath. "MUSES: Life Cycle and Economic Impacts of Bio-based Production." National Science Foundation, BES-0329359, 2003-2004, \$98,000.
- [16] Theis, T., J. Braden, and P. Scheff. "PREMISE: Comparative Life Cycle Impacts of Bio- and Petro-based Lubricants." National Science Foundation, 2004-2007, \$600,000.
-

- [17] Braden, J.B. "Economic Benefits of Sediment Remediation." U.S. Environmental Protection Agency, Great Lakes National Program Office, 2004-2006, \$150,000.
- [18] Braden, J.B. "Multi-site Benefits of Contaminated Sediment Remediation at Great Lakes Areas of Concern." Illinois-Indiana Sea Grant Program, 2006-2008, \$100,000.
- [19] Braden, J.B., A. Ando, and C. Speir. "Incorporating Contaminant Levels into Models of Fishing Location Choice: An Application to Fisheries in the Great Lakes." National Marine Fisheries Service and National Sea Grant Program, 2006-2008, \$76,000.
- [20] Brazee, R.J, M-A. Lee, and J.B. Braden. "Ecosystem Based Management of Interacting Resources: Atlantic Herring, Humpback Whales, and Sandlance in the Gulf of Maine." National Marine Fisheries Service and National Sea Grant Program, 2007-2009, \$64,166.
- [21] Brozović, N., J.B. Braden, X. Cai, S. Gasteyer, and A. Valocchi. "Coupling Hydrologic, Economic, and Social Network Models to Improve Understanding of Surface Water-Groundwater Interactions for Protection of Instream Flows." National Science Foundation, 2007-2011, \$998,977.
- [22] Dozier, J., J. Braden, J. Schnoor, R. Hooper, and B. Minsker. "Science Plan of the WATER and Environmental Research Systems Network (WATERS Network)." National Science Foundation, 2008-2009, \$750,000.
- [23] Kaplan, S., T. Theis, J. Braden, C. DeSousa, S. Erdal, J. Linn, and M. Ruiz. "Best Management Practices and Benefits of Sustainable Redevelopment of Brownfield Sites." U.S. Environmental Protection Agency, 2009-2013, \$900,000.
- [24] Braden, J. and D. Brown. "Collaborative research: WSC Category 1: Coupled Observation of the Water Environment – A National Survey Program." National Science Foundation, 2010-2012, \$149,000
-

**REX HALL CAFFEY**

(Updated April 2012)

Professor, Department of Agricultural Economics and Agribusiness  
Room 179 Agricultural Administration Building, Louisiana State University Agricultural Center,  
Baton Rouge, Louisiana 70803-5604

---

---

**EDUCATION**

**Doctor of Philosophy**, Wildlife and Fisheries Science  
Louisiana State University, Baton Rouge, Louisiana December 1998  
Dissertation: *A Multicriteria Index of Delphi-Assessed Sustainability*

**Masters of Science, Agricultural Economics** (Natural Resource Economics Concentration)  
**Minor:** Fisheries  
Louisiana State University, Baton Rouge, Louisiana, December 1994  
Thesis: *A Bioeconomic Analysis of Fish Production in Closed Systems*

**Bachelors of Science**, Agricultural Business  
Louisiana State University, Baton Rouge, Louisiana, May 1988

**EMPLOYMENT**

**Professor** (75% Extension, 25%Research), Department of Agricultural Economics and Agribusiness,  
Louisiana State University Agricultural Center, Baton Rouge, Louisiana, July  
2008 - present.

**Director, Marine Extension Program**, Louisiana Sea Grant College Program and Louisiana State  
University Agricultural Center, Baton Rouge, Louisiana, July 2011 – Present.

**Director, Center for Natural Resource Economics and Policy**, Department of Agricultural  
Economics & Agribusiness, Louisiana State University Agricultural Center, Baton Rouge, La,  
January 2004 - present.

**Associate Professor** (75% Extension, 25%Research), Department of Agricultural Economics and  
Agribusiness, Louisiana State University Agricultural Center, Baton Rouge, Louisiana, July  
2002 - present.

**Assistant Specialist** (100% extension), Wetlands and Coastal Resources, Economics and Natural  
Resources Division, Louisiana Cooperative Extension Service, Louisiana State University  
Agricultural Center, Baton Rouge, October 1998 – June 2002

**Graduate Research & Teaching Assistant**, School of Forestry, Wildlife, and Fisheries, Louisiana  
State University, Baton Rouge, LA, 1995 - 1998

**Graduate Research Assistant**, Department of Agricultural Economics and Agribusiness, Louisiana  
State University, Baton Rouge, LA, 1992-1994

**Assistant Director**, Environmental Programs Division, Louisiana Department of Agriculture and  
Forestry, Baton Rouge, Louisiana, 1991

**Research Associate**, Louisiana Sea Grant College Program, Louisiana State University, Baton  
Rouge, Louisiana, 1991-1992

**Technical Services Coordinator**, Aquaculture Technologies Ltd., Lafayette, Louisiana and Lebeau, Louisiana, 1988 –1991

**Student Worker**

LSU Center for Wetland Resources, Baton Rouge, La, 1985-1986;

Taylor Energy Company, New Orleans, La, 1984 –1988;

Ben Hur Aquaculture Experiment Station, LSU AgCenter, Baton Rouge, La, 1981-1983

**GRADUATE TEACHING AND INTERNSHIPS**

**AGEC 8000: Graduate Research Advising** (Instructor)  
Spring, Summer, Fall 2002-2011, Louisiana State University

**AGEC 7703: Advanced Topics in Agricultural Economics** (Instructor)  
Independent Study, summer 2004, spring 2006, 3 credit hours,  
Louisiana State University

**AGEC 7700: Graduate Internship**  
Ryan J Bourriaque (M.S Resource Economics)  
Summer 2006, Coastal Management Division,  
Louisiana Department of Natural Resources, Baton Rouge, Louisiana

**AGEC 7710: Wetland Policy** (Instructor)  
Taught via distance education (compressed video) to 6 satellite locations.  
Fall 2001, 3 credit hours, Louisiana State University

**FOR 7710: Renewable Natural Resources Policy** (Lecturer)  
Fall 2001-20011, Louisiana State University.

**FISH 4022: Principles of Aquaculture** (Graduate Teaching Assistant)  
Spring semesters: 1995 - 2001, Louisiana State University.

**FISH 7029: International Perspectives on Sustainability** (Co-instructor)  
Spring 1997, 2 credit hours, Louisiana State University

**FISH 7029: Fisheries/Aquaculture Economics** (Co-instructor)  
Fall 1996, 2 credit hours, Louisiana State University

***Student Internships (Advised and Coordinated)***

Hua Wang, Economic Assessment of Rapid Land-Building Technologies  
for Coastal Restoration, NOAA-Northern Gulf Institute, Summer, 2010.

Jess Mosmar, Wetlands: A Comparative Analysis of State, National, and International  
Issues, Senior Intern Project, Zamorano Pan-American School of Agriculture, Spring, 2008.

Ryan Bourriaque, Coastal Restoration Division, Louisiana Department of Natural  
Resources, Baton Rouge, Louisiana, Summer, 2006.

Alex Prochaska, Environmental Protection Agency, New Orleans, Louisiana, Spring, 2004

Cliff Watts, Coastal Restoration Division, Louisiana Department of Natural Resources,  
Baton Rouge, Louisiana, Summer – Fall, 2003.

## **COOPERATION/COLLABORATION WITH OTHER FACULTY**

### **Marine Extension Project (MEP)**

As the state specialist in wetland and coastal resources, my primary audience is the network of coastal extension agents working in the Marine Extension Project (MEP) of the Louisiana Sea Grant College Program. In the past 14 years I have collaborated with MEP faculty on dozens of conferences and educational programs and more than 100 extension publications and presentations on subject relating to wetlands restoration and fisheries management.

In July 2011 I was appointed Director of Marine Extension for the Louisiana Sea Grant College Program. In this capacity, I administer an annual budget of approximately \$600,000, coordinate quarterly meetings and communications, and provide administrative guidance to 18 the coastal extension specialists and agents of the MEP.

### **Center for Natural Resource Economics & Policy (CNREP)**

Since 2003 I have served as founding director of the LSU Center for Natural Resource Economics and Policy (CNREP). The Center fosters the interaction of socioeconomic professionals to address natural resource and environmental challenges in Louisiana in the southern United States. Center faculty members maintain active projects in multiple topic areas; however, my work focuses primarily on economic assessments of coastal wetland restoration and marine fisheries management and policy.

The center currently has 26 active members; including 14 faculty located on the LSU campus and 12 affiliates at universities and resource management agencies throughout the Southeastern U.S. In the past 5 years, CNREP faculty located on the LSU campus have received \$10.1 million in extramural grants and contracts from 41 public and private institutions in support of 98 individual research and extension projects. Sixty percent of these funds (\$6.4 million) were obtained by CNREP faculty in the Department of Agricultural Economics and Agribusiness. The center was formally approved by the LSU Board of Supervisors and Louisiana Board of Regents in October 2005 and was reauthorized in April 2011 for a second 5-year term, 2010-2015.

As CNREP director I coordinated national conferences in 2004, 2007, and 2010. These triennial forums have become a primary venue for coastal economics research and participation has tripled since the inaugural meeting. The 2010 conference featured 140 technical presentations from 225 attendees representing 20 US states and 9 countries.

### **GRADUATE STUDENTS ADVISED:**

Savolainen, Michelle, Resource Economics, *Survey of the Recreation-for-Hire Sector of the northern Gulf of Mexico* (MS, May 2012)

Wang, Hua, Resource Economics, *Economic Analysis of Rapid Land Building technologies for Coastal restoration* (MS, May 2012)

Tanza Erlambang, Resource Economics, *Spatial Estimation of Post-Hurricane Damages to Fisheries Infrastructure* (MS, December 2007)

Ryan J Bourriaque, Resource Economics *Price Determinants in the Louisiana Wetland Mitigation Banking Industry* (MS, August 2008)

Christiane Aust, Resource Economics *Cost-Efficacy of Coastal Wetland Preservation and Restoration in Louisiana* (MS, May 2006)

Alex Prochaska, Resource Economics (MS, May 2004), Non-thesis

Cliff Watts, Resource Economics (MS, May 2005), Non-thesis

**Additional Graduate Committee Participation:**

Brian Boever, Agribusiness, (MS committee member, 2005)

Heidi Landry, Resource Economics (MS committee member, 2007)

Larry Hall, Resource Economics (PhD committee member, 2007)

Vanessa Maxwell, Fisheries Science (PhD committee member, 2007)

Nirmala Devkota, Resource Economics (PhD committee member, 2007)

Dawn Schaffer, Wildlife and Fisheries (MS committee member, 2006)

Augustus Matekole, Resource Economics (PhD committee member, 2007)

Tao Ran, Resource Economics (PhD committee member, 2006)

Cheikhna Dedah, Resource Economics (PhD committee member, 2007)

Cristian Nedela, Resource Economics (PhD committee member, 2007)

Hiroki Uematsu, Resource Economics (PhD committee member, 2007)

Nandini Bandyopadhyay (MS committee member, 2008)

Huabo Wang (PhD committee member, 2009)

Lucien Laborde, Renewable Natural Resources, (PhD committee member, 2010)

**EXTERNAL FUNDING, MATERIAL SUPPORT AND GRANTS**

**Caffey, R.H.** (2011) "Louisiana Sea Grant Marine Extension Omnibus Project: 2012-2013, NOAA/National Sea Grant College Program \$1,108,564.

**Caffey, R.H.,** Kazmierczak, R.F. Jr., Keithly, W., Petrolia, D., Interis, M. and I. Mendelsohn (2011) "Integrating Revealed and Stated Preference Approaches for Ecosystem Service Valuation." NOAA/Gulf of Mexico Sea Grant programs/EPA Gulf of Mexico Program, \$843,513

**Caffey, R.H.** (2011) Renewal of the Center for Natural Resource Economics and Policy: 2010-2015, Approved by the LSU Board of Supervisors and LA Board of Regents, April 2011 (grant-supported with in-kind, institutional support)

Hymel, T and **R.H. Caffey, R. H.,** (2011) *Louisiana Direct Seafood Marketing Initiative*, Gulf States Marine Fisheries Commission, \$549,000

**Caffey, R. H.,** "Support funding for CNREP 2010: The Second National Conference on Socioeconomic Research in Coastal Systems", \$35,000 in support funding obtained from 17 public and private organizations, Conference budget with registration fees: \$78,000, May 2010.

**Caffey, R.H.** and H. Wang (2010) Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration, NOAA-Northern Gulf Institute, Summer Internship Program, \$5000, May-August, 2010.

- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Coastal Wetland Planning Protection and Restoration Act, \$6,300 is award funding from 9 public and private organizations, August 2010,
- Caffey, R.H.**, Keithly, W., and R. Kazmierczak (2009), A Cooperative Research Survey of the Recreational For-Hire Fishing Sector in Louisiana, Louisiana Department of Wildlife and Fisheries, \$148,000
- Caffey, R.H.** (2008) Economic Investigations of Louisiana's Coastal Resources, Hatch Project Proposal, Louisiana State University Agricultural Experiment Station, (grant-supported with in-kind, institutional support)
- Caffey, R.H.**, Keithly, W., and R. Kazmierczak, "Socioeconomic Assessments for Northern Gulf of Mexico Fisheries, National Sea Grant College Program, July 2008- June 2011, \$648,512
- Caffey, R.H.** and D. Petrolia, "Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration", Coastal Restoration Enhancement through Science & Technology (CREST) program, April 2007, \$93,924.
- Liffmann, M. and **R. H. Caffey**, "Fisheries Extension Enhancement through Socioeconomic Initiatives for Coastal Louisiana" National Sea Grant College Program, July 2004- July 2009, \$434,685
- Caffey, R. H.**, "Support funding for CNREP 2007: The Second National Conference on Socioeconomic Research in Coastal Systems", Coastal Wetland Planning Protection and Restoration Act, May 2007, \$5000
- Caffey, R. H.**, "Support funding for CNREP 2007: The Second National Conference on Socioeconomic Research in Coastal Systems", The Shaw Group, May 2007, \$5000
- Caffey, R. H.**, "Support funding for CNREP 2007: The Second National Conference on Socioeconomic Research in Coastal Systems", Farm Foundation., May 2007, \$3000
- Caffey, R. H.**, "Support funding for CNREP 2007: The Second National Conference on Socioeconomic Research in Coastal Systems", Tetra Tech Inc., May 2007, \$1500
- Caffey, R. H.**, "Support funding for CNREP 2007: The Second National Conference on Socioeconomic Research in Coastal Systems", HNTB Associates Inc., May 2007, \$1500
- Caffey, R. H.**, "Support funding for CNREP 2007: The Second National Conference on Socioeconomic Research in Coastal Systems", C.H. Fernstermaker, Inc., May 2007, \$1500
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Coastal Wetland Planning Protection and Restoration Act, August 2007, \$1400
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Louisiana Association of Professional Biologist and Louisiana Forestry Association, August 2007, \$700
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Shreveport-Bossier Convention and Visitors Bureau, August 2007, \$700
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Morgan City Convention and Visitors Bureau, August 2007, \$1400

- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, National Marine Manufacturers Association, August 2007, \$700
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Louisiana Sportsman Magazine, August 2007, \$700
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Louisiana Sportsman Magazine, August 2007, \$700
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Louisiana Charter-boat Association, August 2007, \$700
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Louisiana Wildlife and Fisheries Foundation, August 2007, \$1400
- Caffey, R. H.**, "Support funding for Excellence in Craft Awards Program, Louisiana Outdoor Writers Association, Coastal Wetland Planning Protection and Restoration Act, August 2006, \$3000
- Caffey, R. H.**, "Support request for the Center for Natural Resource Economics and Policy", International Programs, Louisiana State University Agricultural Center, graduate assistantships and conference funding, August 2006, \$67,500
- Caffey, R.H.**, "Challenges of Socioeconomic Research in Coastal Systems: A Focus on Louisiana", Coastal Wetland Planning, Preservation, and Restoration Act (CWPPRA); September 2003, \$18,000
- Kazmierczak, R., Keithly, W. Hoagland, P and **R.H. Caffey**, "Designing Incentives for Private Maintenance and Restoration of Coastal Wetlands", U.S. Environmental Protection Agency, June 2003, \$384,381
- Caffey, R.H.** "Cost-Benefit Analyses of Wetland Preservation and Restoration in Coastal Louisiana", Louisiana Sea Grant College program, January, 2003, \$28,000
- Paudel, K. and **R. H. Caffey** "Economic Assessment of Elmer's Island Visitation Pattern Using a Travel Cost Method", Louisiana Sea Grant College program, January 2003, \$16,000
- Caffey, R.H.**, "Benefits and Costs of Resource Policies Affecting Public and Private Lands", U.S. Department of Agriculture - Hatch (Multi-State) Project Funds, 10/01/0, Amount: N/A
- Caffey, R.H.**, "Economic Investigations of Louisiana's Coastal and Wetland Resources", U.S. Department of Agriculture - Hatch Funds, Project Funds, 10/01/0, Amount: N/A
- Caffey, R.H.**, "Interpretive Topic Series on Louisiana Coastal Wetland Restoration", Coastal Wetland Planning, Preservation, and Restoration Act (CWPPRA) via Louisiana Governor's Office of Coastal Activities, October 1999, \$20,000
- Caffey, R.H.**, "Marsh Maneuvers Coastal Education Program", Barataria-Terrebonne National Estuary Program, (funding for years 1999-2002), \$41,000
- Coreil, P. and **R.H. Caffey**, "Barataria-Terrebonne National Estuary Program Public Education and Outreach", Barataria-Terrebonne National Estuary Program, 1996-2000, \$146,152

Borne-Blanchard P., Bush, E. and **R. H. Caffey**, "Coastal Roots: High School Seedling Nurseries for Wetland Restoration", Louisiana Department of Natural Resources/NOAA Coastal Impact Assistance Program, October 2000, \$26,000

**Caffey, R.H.** and T. Herrington, "An Ectoparasite of Gulf Menhaden (*Brevoortia patonus*): Interactive Marine Education", Undergraduate Research Opportunities Program (UROP), Louisiana Sea Grant and LSU Department of Oceanography & Coastal Sciences, July 2000, \$2,500

Kazmierczak, R. and **R.H. Caffey**, "Sustainability Criteria for Aquaculture", USDA Special Aquaculture Grants, September 1995, \$56,810

Tiersch, T. and **R.H. Caffey**, "Improved Production of Hybrid Striped Bass", USDA Special Aquaculture Grants, September 1997, \$28,500

Culley, D. and **R.H. Caffey**, "A Descriptive Profile of the Louisiana Soft-Shelled Crab Industry", Louisiana Sea Grant College Program, July 1991, \$18,420

Kazmierczak, R. and **R.H. Caffey**, "Technological Risks and the Economics of Recirculating Aquaculture Systems" USDA Special Aquaculture Grants, September, \$20,000

## **PUBLICATIONS: PRINT AND ELECTRONIC**

### **Peer-Reviewed Journal Articles, Bulletins, Proceedings, and Monographs:**

Mendelssohn, I.A., Andersen, G.L., Baltz, D. **Caffey, R.H.**, Carman, K.R., Fleeger, J.W., Joye, S.B., Lin, Q., Maltby, E., Overton, E. and L. Rozas (2012) Oil Impacts to Coastal Wetlands: Implications for the Mississippi River Delta Ecosystem after the Deepwater Horizon Oil Spill, *Bioscience*, Manuscript ID 11-0090.R1, Accepted for publication (in press).

Merino, J. Aust, C. and **R.H. Caffey**. 2011. "Cost Efficacy of Wetland Restoration Projects in Coastal Louisiana", *Wetlands*. 31:367-375.

Paudel, K. and R.H. Caffey. 2011 "An Evaluation of Factors Affecting the Choice of Coastal Recreational Activities" *Journal of Agricultural and Applied Economics*, 43, 2 (May 2011):167-179.

Westra, J., **R. H. Caffey** and J. Huner. "Economic Valuation of Benefits Provided by Crawfish Pond Habitat." Proceedings of the Southern Division of the American Fisheries Society Annual Meeting, New Orleans LA, January 2009.

Westra, J., J. Huner and **R.H. Caffey**. "Ecological and Economic Benefits and Costs of Louisiana's Working Wetlands." Proceedings of the 4th Annual Partners in Flight International Conference, McAllen TX, February 2008.

**Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly, (2007). "Estimating the Economic Damage of Hurricanes Katrina and Rita on Commercial and Recreational Fishing Industries", Selected paper for Applied Economics for Global Issues, American Agricultural Economics Association Annual Meeting, July 29-August 4th, 2007, Portland, OR 52 p.

Westra, J. V., **Caffey, R. H.**, and J.V. Huner (2006). "Changes in the Crayfish and Rice Industries in Louisiana: Potential Economic and Environmental Effects of Agricultural Wetland Loss, Freshwater Crawfish IX: *International Journal of Astacology*, 15: 93-97

- Paudel, K., **Caffey, R.H.**, Devkota, N., and L. Hall (2004). "Opening a Public Recreation Area to Revitalize Coastal Communities and Preserve Natural Resources in Louisiana: The Case of Elmer's Island," *Journal of Agricultural and Applied Economics*, Vol. 37(2) pp. 475-484.
- Caffey, R. H.** and M. Schexnayder (2003). "Coastal Louisiana and South Florida: A Comparative Wetland Inventory", in: An Interpretive Topic Series on Louisiana Coastal Wetland Restoration, Coastal Wetland Planning, Preservation, and Restoration Act (eds.), National Sea Grant Library No. LSU-G-03, 24 p.
- Caffey, R. H.**, K. Savoie, and M. Shirley (2003). "Stewardship Incentives for Louisiana's Coastal Landowners" in: An Interpretive Topic Series on Louisiana Coastal Wetland Restoration, Coastal Wetland Planning, Preservation, and Restoration Act (eds.), National Sea Grant Library No. LSU-G-03, 11 p.
- Caffey, R. H.** and B. Leblanc (2002). "Closing the Mississippi River Gulf Outlet: Economic and Environmental Implications" in: An Interpretive Topic Series on Louisiana Coastal Wetland Restoration, Coastal Wetland Planning, Preservation, and Restoration Act (eds.), National Sea Grant Library No. LSU-G-02-004, 8 p.
- Caffey, R. H.** and M. Schexnayder (2002). "Fisheries Implications of Freshwater Diversions", in: An Interpretive Topic Series on Louisiana Coastal Wetland Restoration, Coastal Wetland Planning, Preservation, and Restoration Act (eds.), National Sea Grant Library No. LSU-G-02-003, 12 p.
- Caffey, R.H.**, P. Coreil, and D. Demcheck (2002). "Mississippi River Water Quality: Implications For Coastal Restoration", in: An Interpretive Topic Series on Coastal Wetland Restoration in Louisiana, Coastal Wetland Planning, Protection, and Restoration Act, (eds.), National Sea Grant Library No. LSU-G-02-002, 8 p.
- Caffey, R. H.** and M. Schexnayder (2002). "Floods, Fisheries, and River Diversions in Coastal Louisiana", Coastal Water Resources, a specialty conference proceedings of the American Water Resources Association, New Orleans, La, USA, p. 300-305.
- Caffey, R. H.**, Kazmierczak, R.F., and J.W. Avault (2001). "Developing Consensus Indicators of Sustainability for Southeastern United States Aquaculture, Louisiana Agricultural Experiment Station Bulletin No. 879, 39 p.
- Caffey, R. H.** and T. R. Tiersch (2000). "Cost Analysis for Integrating Cryopreservation into an Existing Fish Hatchery", *Journal of the World Aquaculture Society*, Vol. 31, No. 1, March 2000, pp. 51-58.
- Caffey, R. H.** and Richard F. Kazmierczak, Jr. (1998). "Developing and Using Consensus Indicators of Sustainability in Aquaculture Production", *Proceedings of the Ninth Biennial Conference of the International Institute of Fisheries Economics and Trade*, A. Eide and T. Vassdal (eds). The Norwegian College of Fishery Science, University of Tromso, Norway, November 1998, p. 27-34.
- Kazmierczak, R. F. and **R. H. Caffey** (1996). "The Bioeconomics of Recirculating Aquaculture Systems", Louisiana Agricultural Experiment Station Bulletin No. 854, 46 p.
- Caffey, R.H.**, Romaine, R. P. and J.W. Avault (1996). "The Sustainability of Crawfish Aquaculture", Freshwater Crawfish XI: *International Journal of Astacology*, 11th Symposium, August 11-16, Thunder Bay, Canada, pp. 587-599.
- Caffey, R.H.** and R.F. Kazmierczak, Jr. 1995. "Towards Economic Sustainability in Closed System Fish Culture", Public Policy, Financing, and Technology for Economically and

Environmentally Sustainable Aquaculture, Pacific Congress on Marine Science and Technology, Honolulu, Hawaii, p. 216-225

Kazmierczak, R. F., and **R. H. Caffey** (1995). "Management Ability and the Economics of Recirculating Aquaculture Systems", *Journal of Marine Resource Economics*, Vol. 10 pp. 187-209.

**Caffey, R. H.** and R. F. Kazmierczak (1995). "Factors Influencing Technology in a Louisiana Aquaculture System." *Journal of Agricultural and Applied Economics*, Vol. 26:264-274.

**Caffey, R. H.**, C. G. Lutz, J.W. Avault, and K. K. Higgins (1993). "Preliminary Observations on Soft-Shell Prawns, *Macrobrachium rosenbergii*, in Commercial Shedding Facilities." *Journal of Applied Aquaculture*, Vol.2, No.2, pp. 93-102.

**Caffey, R.H.** (1988). "An Economic Analysis of Alternative Soft-Shell Crawfish Production Facilities", *Journal of Student Papers, American Agriculture Economics Association*, Vol. 6, No. 1, pp. 27-32.

### **Peer-Reviewed Book Chapters**

**Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly (2007). "Economic Resiliency and Recovery of Northern Gulf of Mexico Fisheries after the Hurricanes of 2005", in Mitigating Impacts of Natural Hazards on Fishery Ecosystems, T. Hines and K. Kate McLaughlin, editors, American Fisheries Society, 21 p. (reviewed and accepted for publication).

**Caffey, R. H.** and T. R. Tiersch (2000) "Economics and Marketing", in Cryopreservation of Gametes and Embryos of Aquatic Species, T. R. Tiersch and P. M. Makiz, editors, World Aquaculture Society, Baton Rouge, LA, pp. 388-409.

### **Selected Papers and Published Abstracts**

Wang, H., R.H. Caffey, and D. Petrolia (2012) An Economic Assessment of Competing Technologies for Coastal Restoration, Southern Agricultural Economics Association 2012 Annual Meeting, Birmingham, AL, February 4-7, 2012, 15 p.

Savolainen, M.A. and **R.H. Caffey** (2011). "The Recreational For-Hire Sector in the U.S. Gulf of Mexico: Structural and Economic Observations from the Third Decadal Survey." Proceedings of the 64th Gulf and Caribbean Fisheries Institute Conference, Puerto Morelos, Mexico. Accepted for publication.

Savolainen, M., **R. H. Caffey** and M. Freeman (2010) 2009 Economic Survey of the Recreational For-Hire Fishing Sector in the U.S. Gulf of Mexico, Challenges of Natural Resource Economics and Policy, the 3rd National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA, May 28, 2010.

Wang, H and **R. Caffey** (2010) Incorporating Time and Risk Considerations In the Selection of Coastal Restoration Projects, CNREP 2010: Challenges of Natural Resource Economics and Policy, May 26-28, 2010, New Orleans, LA

Kazmierczak, Jr., R.F., C. Dedah, W.R. Keithly, Jr. and **R.H. Caffey**. 2010. "Private Wetland Investment and the Use of Economic Incentives to Achieve Public Objectives." Final Report to CREST: Gulf Restoration and Enhancement through Science and Technology. 130 pp.

- Kazmierczak, Jr., R.F., W.R. Keithly, Jr., **R.H. Caffey** and P. Hoagland. 2010. "Designing Incentives for Private Maintenance and Restoration of Coastal Wetlands." Final report on Contract Number RD-83177601-3 to the United States Environmental Protection Agency. 128 pp.
- Caffey, R.H.** and R. Kazmierczak (2009) A Novel Approach for Estimating Hurricane Damages to Coastal Fishing Infrastructure", Poster Abstract, *Coastal Zone 2009*, Boston, MA, July 19-23, 2009.
- Caffey, R.H.** , Bourriaque, R. and J. Westra (2009) Spatial Economics of Wetland Mitigation Banking, Poster Abstract, *Coastal Zone 2009*, Boston, MA, July 19-23, 2009.
- Caffey, R.H.** , Aust, C. and J. Westra (2009) Examining the Efficiency of Coastal Restoration, Poster Abstract, *Coastal Zone 2009*, Boston, MA, July 19-23, 2009.
- Caffey, R.H.** , Aust, C. and J. Westra (2009) Examining the Efficiency of Coastal Restoration, Poster Abstract, *Coastal Zone 2009*, Boston, MA, July 19-23, 2009
- Westra, J., **R.H. Caffey** and J. Huner. "Economic Valuation of Benefits Provided by Crawfish Pond Habitat." Southern Division of the American Fisheries Society Annual Meeting, New Orleans LA, January 2009.
- Westra, J., J. Huner and **R.H. Caffey**. "Ecological and Economic Benefits and Costs of Louisiana's Working Wetlands." Partners in Flight Annual Conference, Lafayette LA, July 2008.
- Petrolia, D. R., Tae-goun, K., Moore, R.G. and **R.H. Caffey** (2009) "A Cost Analysis of Rapid Land-Building Technologies for Coastal Restoration in Louisiana", Southern Agricultural Economics Association 2009 Annual Meeting, January 31-February 3, 2009, Atlanta, Georgia. 15 p. <http://purl.umn.edu/46844>
- Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly, (2007). "Estimating the Economic Damage of Hurricanes Katrina and Rita on Commercial and Recreational Fishing Industries", Selected paper for Applied Economics for Global Issues, American Agricultural Economics Association Annual Meeting, July 29-August 4<sup>th</sup>, 2007, Portland, OR 52 p.
- Caffey, R.H.**, Aust, C. and H. Diop (2007). "What Benefits Are We Really After: Examining Cost-Efficacy and Project Selection within CWPPRA", Selected paper, abstracted in Challenges of Natural Resource Economics & Policy: 2<sup>nd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA May 20-23, 2007, p. 20.
- Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly (2007). "Fisheries in Transition: Reconciling Economic Recovery and Ecosystem Restoration", abstract published in Challenges of Natural Resource Economics & Policy: 2<sup>nd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA May 20-23, 2007, p. 20.
- Devkota, N., Fannin, M.J., Paudel, K.; Hall, L. and **R.H. Caffey** (2007). "Calculating Regional Impacts of Recreation Using Bootstrap Technique", Selected paper, abstracted in Applied Economics for Global Issues, American Agricultural Economics Association Annual Meeting, July 29-August 4<sup>th</sup>, 2007, Portland, OR, p. 94.
- Westra, J.W., **Caffey, R.H.** and J. Huner (2007). "Louisiana Agricultural Wetlands: Potential Benefits and Costs as Waterbird Habitat" Southern Agricultural Economics Association, Mobile, AL February 2007.

- Devkota, N., Paudel, K., Hall, L and **R. H. Caffey** (2006). "Use of Bootstrap Method To Obtain Reliable Parameter Estimations On A Travel Cost Demand Model", Selected paper, abstracted in, Southern Association of Agricultural Economics, Annual Meeting, Orlando, Florida, Feb 2006, 20 p.
- Devkota, N., Paudel, K., Fannin, M. and **R. H. Caffey**. (2006). "Calibrating Online Survey Sample for Economic Impact Analysis", Selected paper, abstracted in, Southern Association of Agricultural Economics, Annual Meeting, Orlando, Florida, Feb 2006, 18 p.
- Petrolia, D.P. and **R.H. Caffey** (2007). "Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration", abstracted in Challenges of Natural Resource Economics & Policy: 2<sup>nd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA May 20-23, 2007, p. 36
- Devkota, N., Paudel, K., **Caffey, R. H.**, and L. Hall. (2006). "Almost Ideal Demand (AID) and Kuhn-Tucker Model in Estimation Recreation Demand", Selected paper, Southern Association of Agricultural Economics, Annual Meeting, Orlando, Florida, Feb 2006, 20 p.
- Caffey, R.H.**, (2006)."Economic Resiliency and Recovery of Coastal Marine Fisheries", abstracted in 3rd National Conference on Coastal and Estuarine Habitat Restoration, New Orleans, December, 2006.
- Caffey, R.H.**, (2006)."Economics in Selection and Assessment of Restoration Projects", abstracted in 3rd National Conference on Coastal and Estuarine Habitat Restoration, New Orleans, December, 2006.
- Caffey, R.H.**, Diop, H., Keithly, W., and R.F. Kazmierczak (2006). "The Economics and Politics of Fisheries Disaster Recovery: Louisiana's Response to Hurricanes Katrina and Rita", abstracted in IIFET 2006, International Institute of Fisheries Economics and Trade, Portsmouth, England, July 2006.
- Caffey, R. H.** and G. Thomas (2006). "Fisheries Impacts of Hurricanes Katrina and Rita", in Balancing Stakeholder Interactions: Responding to Social, Economic and Environmental Change in the Fishery, with Glenn Thomas, American Fisheries Society, Lake Placid, New York, September 2006.
- Caffey, R.H.** (2006). "The State of Gulf of Mexico Fisheries in the Wake of Hurricanes Katrina and Rita", abstracted in, State of the Gulf of Mexico Summit: 2006 Proceedings, March 28-30, Corpus Christi, TX, p. 28.
- Aust, C. and **R. H. Caffey** (2005). "Cost-Efficacy of Wetland Preservation and Restoration in Coastal Louisiana", Coastal Zone '05, New Orleans, LA, 2p.
- Caffey, R.H.**, Paudel, K. and L. Hall (2005). "Linking the Demand for Recreational Fishing and Coastal Habitat Conservation: The Case of Elmer's Island", Louisiana Chapter of the American Fisheries Society, 26<sup>th</sup> Annual Meeting, January 2005, p. 11.
- Guade, R., **Caffey, R.H.**, and R. Bourriaque (2005). "Survey of Marine Bait Industry as Indexed to the Development of the Recreational Fishing Industry in Louisiana", Louisiana Chapter of the American Fisheries Society, 26<sup>th</sup> Annual Meeting, January 2005, p. 22.
- Westra, J., Huner, J., and **R.H. Caffey** (2004). "Economic and Environmental Implications of Potential Policies to Address Agricultural Wetlands Loss", Soil and Water Conservation Society Annual Meeting, St. Paul MN, June 2004.

- Schexnayder, M. and **R.H. Caffey** (2004). "The Valve Dilemma: Restoring Fisheries Habitat in Coastal Louisiana", 4th World Fisheries Congress, Vancouver, BC, Canada, May 1-7, 2004, 4WFC\_pdf.
- Caffey, R. H.**, Paudel, K., and L. Hall (2004). "Linking the Demand for Recreational Fishing and Coastal Habitat Conservation: The Case of Elmer's Island", 4th World Fisheries Congress, Vancouver, BC, Canada, 2004, 4WFC\_pdf.
- Leblanc, B. and **R. H. Caffey** (2004). "Mississippi River Water Quality: Agriculture and Wetlands", Water Quality Summit, Cooperative State Research Extension and Education Service, Tampa, FL, January 5-6, 2004.
- Huner, J., **Caffey, R.H.**, and J. Westra (2004). "Changes in the Crawfish and Rice Industries in Louisiana: Potential Economic and Environmental Effects of Agricultural Wetland Loss", in Proceedings of the International Association of Astacology, IAA 15, London, England, 2 April 2004.
- Huner, J., **Caffey, R H.**, and J. Westra (2004). "The Economic and Environmental Significance of Louisiana's Agricultural Wetlands as Waterbird Habitat", submitted with J.V. Huner and J.V. Westra, Society of Wetland Scientists, 24th Annual Meeting, New Orleans, LA June 2003. p 129.
- Caffey, R.H.** (2003). "A Case for Subvention of Private Landowners in the Louisiana Coastal Zone," Selected Paper, Southern Association of Agricultural Economics, Annual Meeting, p.20.
- Caffey, R. H.**, Kazmierczak, R. F. and M. Schexnayder (2001). "Brown marsh and Coastal Land Loss: The Role of Resource Economics", in *Coastal Marsh Dieback in the Northern Gulf of Mexico: Extent, Causes, Consequences, and Remedies*, Stewart, R.E, C.C. Proffitt, and T.M Charron, eds. USGS Biological Resources Division, Information and Technology Report, USGS/BRD/ITR-2001-0003, p.19-20.
- Kazmierczak, R.F. and **R.H. Caffey** (2001). "Developing Consensus Indicators of Sustainability", Coastal Zone 2001 Book of Abstracts, Cleveland, OH, July 2001.
- Kazmierczak, R.F. and **R.H. Caffey** (2001). "Constructing and Applying a Multicriteria Index of Delphi-Assessed Sustainability", Coastal Zone 2001 Book of Abstracts, Cleveland, OH, July 2001.
- Caffey, R. H.**, and P. D. Coreil (2000). "Mississippi River Water Quality: Implications for Freshwater Diversions", In R.F. Kazmierczak, Jr. (ed.) Book of Abstracts for ESOS-V: Louisiana's 5<sup>th</sup> Annual Environmental State of the State Conference. Baton Rouge, Louisiana. November 16-17.
- Caffey, R. H.**, and B. LeBlanc (2000). "Closing the Mississippi River Gulf Outlet: Economic and Environmental Implications", In R.F. Kazmierczak, Jr. (ed.) in ESOS-V: Louisiana's 5<sup>th</sup> Environmental State of the State Conference. Baton Rouge, Louisiana. November 16-17.
- Caffey, R. H.**, Kazmierczak, R. F., Romaine, R. P. and J. W. Avault, (1999). "A Regional Expression of Aquaculture Sustainability", Aquaculture America'99, Book of Abstracts, p. 91.
- Miller, B. J., **Caffey, R. H.**, Huner, J. V., Wiggins, C. and R. P. Romaine (1999). "Eyestalk Ablation for the Production of Soft-Shell Crawfish: Economic Considerations." Aquaculture America'99, Book of Abstracts, p. 91.

- Caffey, R. H.** and R. F. Kazmierczak (1998). "Developing and Using Consensus Indicators of Sustainability in Aquaculture Production", selected paper for the annual meeting of the International Institute of Fisheries Economics and Trade, Tromso, Norway, pp. 27-34.
- Caffey, R. H.**, Kazmierczak, R.F., Romaine, R. P., and J.W. Avault (1998). "Indicators of Aquaculture Sustainability: A Delphi Survey", World Aquaculture'98, Book of Abstracts, p. 91.
- Caffey, R. H.** and T. R. Tiersch (1998). "Markets for Fish Sperm: The Point of Conception", World Aquaculture '98: Book of Abstracts, P. 92.
- Caffey, R. H.**, Kazmierczak, R.F., Romaine, R. P., and J.W. Avault, Jr. (1997). "A Model for Quantifying Sustainability in Aquaculture", World Aquaculture'97: Book of Abstracts, p. 64.
- Caffey, R. H.** and T. R. Tiersch (1997). "Cost Analysis of Integrating Cryopreservation into an Existing Fish Hatchery", World Aquaculture '97: Book of Abstracts, P. 65.
- Caffey, R. H.**, Kazmierczak, R.F., Romaine, R. P., and J.W. Avault, Jr. (1996). "An Evolving Definition and Index for Sustainable Aquaculture", World Aquaculture'96: Book of Abstracts, p. 58.
- Caffey, R. H.**, Romaine, R. P. and J.W. Avault (1995). "Sustainability of Crawfish Aquaculture" Proceedings of Sustainable Aquaculture- '95, Pacific Congress on Marine Science and Technology, June 11-14,1995, Honolulu, Hawaii, p. 77.
- Caffey, R. H.**, and R. F. Kazmierczak (1995). "A Bioenergetic Model of Tilapia Growth Response to Changes in Food Quantity and Quality", World Aquaculture '95: Book of Abstracts, p. 77.
- Caffey, R. H.**, and R. F. Kazmierczak (1995). "Modeling the Effects of Ammonia Nitrogen Production on a Recirculating Tilapia Production System." World Aquaculture '95: Book of Abstracts. World Aquaculture Society, p. 77.
- Kazmierczak, R. F. and **R. H. Caffey** (1995). "Simulating the Optimal Economic Operation of a Recirculating Tilapia Production System", World Aquaculture '95: Book of Abstracts, p. 150.
- Kazmierczak, Jr., R. F. and **R. H. Caffey** (1995). "Biochemical Oxygen Demand, Aeration, and the Stability of a Recirculating Tilapia Production System." World Aquaculture '95: Book of Abstracts, p. 150.
- Caffey, R. H.** and R. F. Kazmierczak (1994). "Firm Characteristics and the Use of Recirculating Systems", World Aquaculture '94, Book of Abstracts, p.103.
- Caffey, R.H.**, D. D. Culley, and K. J. Roberts (1993). "A Profile of the Louisiana Soft Crab Industry, *Callinectes sapidus*." National Sea Grant Program Abstracts, Vol. 8, No.1.

### **Non Peer Reviewed Articles and Proceedings**

- Caffey, R.** (2010) Economic Considerations for Assessing Fisheries and Coastal Habitat Damages from the Deepwater Horizon Oil Spill, CNREP Working Paper 112A, LA Sea Grant/LSU AgCenter., 8 pp.
- Caffey, R.H.** and R.F. Kazmierczak, Jr., (editors) (2010). "Challenges of Natural Resource Economics & Policy: the Third National Forum on Socioeconomic Research in Coastal Systems", Program, May 26-28, 2010, New Orleans, LA, 72p

- Caffey, R.H.** (2008) Preliminary Estimates of Economic Damages to Louisiana Fisheries and Aquaculture Sectors as a Result of Hurricanes Gustav and Ike in September 2008. LSU AgCenter and Louisiana Sea Grant College Program Unpublished Report. September 24, 2008.
- Guidry, K.M, and **R.H. Caffey** (2008). Estimated Impact to Agriculture, Forestry, and Fisheries from Hurricanes Gustav and Ike. LSU AgCenter Unpublished Report. December 8, 2008.
- Caffey, R.H.** and R.F. Kazmierczak, Jr., (editors) (2007). "Challenges of Natural Resource Economics & Policy: the Second National Forum on Socioeconomic Research in Coastal Systems", Program., May 20-23, 2007, New Orleans, LA, 48p
- Aust, C., **Caffey, R.H.** and H. Diop (2007). "Assessing Costs and Benefits of Coastal Restoration Projects", Louisiana Agriculture Magazine, Spring 2007, Vol 50 (2), p. 30-31
- Caffey, R.H.**, Diop, H., Keithly, W., and R.F. Kazmierczak (2006). "The Economics and Politics of Fisheries Disaster Recovery: Louisiana's Response to Hurricanes Katrina and Rita", IIFET 2006, Proceedings of the 13<sup>th</sup> International Institute of Fisheries Economics and Trade, Rebuilding Fisheries in an Uncertain Environment, ISBN: 0-9763432-3-1, Portsmouth, England, July 2006, 11p.
- Caffey, R. H.** and M. Schexnayder (2002). "Reconciling Fisheries Management and Wetland Restoration in Coastal Louisiana", Proceedings of the 18<sup>th</sup> International Coastal Society Conference, Galveston, TX, USA, p. 218-227.
- Leblanc, B.D., P.D. Coreil, and **R. H. Caffey** (2002). "A Synoptic Review of Mississippi River Water Quality and Wetland Restoration in Coastal Louisiana", Proceedings of Coastal Water Resources, a specialty conference of the American Water Resources Association, May 13-15, 2002, New Orleans, La., p. 331.
- Schexnayder, M. and **R. H. Caffey** (2002). "Diversions, Anti-diversions, and Coastal Fisheries in Louisiana", Proceedings of the Basics of the Basin Research Symposium and the Gulf Estuarine Research Society, May 16-17, 2002, University of New Orleans, p. 66-67.
- Gaude, R., B. D. Leblanc, M. Schexnayder, and **R. H. Caffey** (2002). "Economic and Environmental Implications of the Mississippi River Gulf Outlet", Proceedings of the Basics of the Basin Research Symposium and the Gulf Estuarine Research Society, May 16-17, 2002, University of New Orleans, p. 24-25.
- Leblanc, B. D., P.D. Coreil, and **R.H. Caffey** (2002). "Mississippi River Water Quality: Implications for Freshwater Diversions", Proceedings of the Basics of the Basin Research Symposium and the Gulf Estuarine Research Society, May 16-17, 2002, University of New Orleans, p. 41.
- Kazmierczak, R.F. and **R. H. Caffey** (2001). "Conceptual and Practical Approaches to Measuring Sustainability in Coastal Zones", Proceedings of the 12<sup>th</sup> Biennial Coastal Zone Conference, Cleveland, OH, July 15-19, 2001, p.1-5.
- Kazmierczak, R.F. and **R. H. Caffey** (2001) "Constructing and Applying a Multicriteria Index of Delphi-Assessed Sustainability", Proceedings of the 12<sup>th</sup> Biennial Coastal Zone Conference, Cleveland, OH, July 15-19, 2001, p. 6-10.
- Kazmierczak, R.F. and **R. H. Caffey** (2001) Developing Consensus Indicators of Sustainability: A Case Study of Aquaculture, Proceedings of the 12<sup>th</sup> Biennial Coastal Zone Conference, Cleveland, OH, July 15-19, 2001, p. 10-15.

- Caffey, R. H.** and R. F. Kazmierczak (1999). "Sustainability in Aquaculture", *Louisiana Agriculture*, Vol. 42, No. 4, p. 38.
- Caffey, R. H.** and R. F. Kazmierczak (1998). "The Relative Importance of Factors That Define Aquaculture Sustainability", *Louisiana Rural Economist*, Vol. 60, No. 3, p. 4-6
- Caffey, R.H.**, Romaine, R. P. and J. W. Avault (1996). "Crawfish Farming as Sustainable Aquaculture", *World Aquaculture*, Vol. 27(2), p. 18-23.
- Kazmierczak, R. F. and **R. H. Caffey** (1995). "Profits and Management Ability in a Recirculating Tilapia Production System", *Louisiana Rural Economist* Vol. 57, p.1-6.
- Caffey, R. H.** and R. F. Kazmierczak (1993). "Technology Adoption in Louisiana's Soft-Shelled Crab Industry", *Louisiana Rural Economist*, Vol.55, No.3 p. 6-1 0.

### **Technical Reports**

- Savolainen, M., **Caffey, R.H.** and R. Kazmierczak (2012) Economic and Attitudinal Perspectives of the Recreational for Hire Fishing Industry in the U.S. Gulf of Mexico. Final Report to NOAA-Fisheries, Contract Number 674139B, 177 pp.
- Caffey, R.H.** and D. Petrolia, 2011, "Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration", Final Report on Contract Number 674139B to the Coastal Restoration and Enhancement through Science and Technology (CREST) Program, 128 pp.
- Caffey, R.H.** and M. Savolainen (2011) A Cooperative Research Survey of the Recreational For-Hire Fishing Sector in Louisiana Preliminary Findings and Final Contract Report to Louisiana Department of Wildlife and Fisheries. 51 pp.
- Caffey, R.H.** (2009) Preliminary Estimates of Economic Damages to Louisiana Fisheries and Aquaculture Sectors as a Result of Hurricanes Gustav and Ike in September 2008. LSU AgCenter and Louisiana Sea Grant College Program Unpublished Report. September 24, 2008.
- Guidry, K.M, and **R.H. Caffey**. Estimated Impact to Agriculture, Forestry, and Fisheries from Hurricanes Gustav and Ike. LSU AgCenter Unpublished Report. December 8, 2008.
- Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly, (2007). "Economic Damages of Hurricanes Katrina and Rita on Commercial and Recreational Fishing Infrastructure", National Oceanic and Atmospheric Administration, 102 p.
- Caffey, R.H.** (2006). "Economic Assessment of the Mississippi Coastal Improvements Plan", United States Army Corps of Engineers, Jacksonville District, 21 p.
- Caffey, R.H.**, Diop, and Liffmann (2006). "Community Development Block Grant Funding for the Louisiana Fisheries Community Recovery Coalition", submitted to the Louisiana Recovery Authority, February 2006, 13 p.
- Caffey, R.H.**, Reed, D., Bahr L., and J. Lopez (2005). "Near Term Needs for Applying Knowledge and Learning for the Future in the Wake of Hurricanes Katrina and Rita", submitted to the Louisiana Governor's Coastal Advisory Commission, December 2005, 10 p.

Reed, D., Orth, K., Smyth, J., and **R. H. Caffey** (2005) "Concepts for Future Decision Making and Benefits Analysis for Louisiana Coastal Restoration," Louisiana Coastal Area Planning Management Team and Science and Technology Working Group, November 2005, 49 pp.

**Caffey, R. H.** and K. Paudel (2003). "Elmer's Island Coastal Preference Study", Submitted to the Louisiana Sea Grant College Program, December 23, 2003, 106 pp.

**Caffey, R. H.**, D. D. Culley, and K. J. Roberts (1993). "A Profile of the Louisiana Soft-Shell Crab Industry", Louisiana Sea Grant College Program Bulletin, National Oceanic and Atmospheric Administration, US Department of Commerce, published under NOAA Grant No. NA89AA-D-SG226, 46 p.

### **Other Publications**

**Caffey, R.H.** and R. Kazmierczak (2005). "Bylaws of the Center for Natural Resource Economics & Policy, Approved May 3, 2005, 5p.

**Caffey, R.H.** (2004). "The Center for Natural Resource Economics & Policy", Tri-fold brochure, January 2003; 4p.

**Caffey, R.H.** (2002). "Marsh Maneuvers Coastal Curriculum Handbook", Barataria-Terrebonne National Estuary Program, May 2002, 50 p.

**Caffey, R.H.** (2000). "Directory of Wetland Delineators Covering Louisiana", Louisiana Cooperative Extension Service, January 2000, 16 p.

**Caffey, R. H.**, Schultz, D. and J.B. Breaux (2000). "Portrait of an Estuary: The Wetland Functions and Values of Barataria-Terrebonne", Louisiana Agricultural Center and the Barataria-Terrebonne National Estuary Program, LCES 2802, 20 p.

### **Extension News Articles and Press Releases**

**Caffey, R.H.** and M. Savolainen (2012) Louisiana Sea Grant Releases Socioeconomic Study of the Recreational For-Hire Fishing Industry in the U.S. Gulf of Mexico, Sea Grant News Release, April 20, 2012.

**Caffey, R.H.** (2010) "Economic Impacts to Fisheries and Coastal Habitat: Frequently Asked Questions, BP Horizon Oil Spill Website, May 12, 2010.

Kron, R. and **Caffey, R.H.** (2010) Louisiana Sea Grant Receives APEX Award  
Louisiana Sea Grant News, June 29, 2010,

**Caffey, R.H.** and R. Kron (2010) Sea Grant Launches Cooperative Research Survey of Charter Boat Sector in U.S. Gulf of Mexico, Louisiana Sea Grant News, March 15, 2010.

**Caffey, R.H.** and R. Kron (2010) Gulf Geologist and Alaskan Economist to Headline CNREP 2010 Conference, Louisiana Sea Grant News, February 12, 2010.

**Caffey, R.H.** (2009). "Contest Recognizes Excellence in Outdoor Communications", Louisiana Outdoor Writers Association, October 17, 2009.

- Caffey, R.H.** (2006). "Call for Abstracts: Challenges of Socioeconomic Research in Coastal Systems, the 3rd National Conference on Socioeconomic Research in Coastal Systems", Press release for the Center for Natural Resource Economics & Policy, October 1, 2009.
- Caffey, R.H.** (2007). "Annual Competition Highlights Contribution of Outdoor Communicators", Press release for Louisiana Outdoor Writers Association, August 20, 2007.
- Caffey, R.H.** (2007). "Chandeleur Images Sought by La Sea Grant", Louisiana Agriculture Magazine, Spring 2007, Vol. 50 (2), p 40.
- Caffey, R.H.** (2007). "Center Gaining Recognition for Coastal Economics Research", Louisiana Agriculture Magazine, Spring 2007, Vol. 50 (2), p 30-31
- Bogren, R., **Caffey, R.H.** and R. Kron (2007). "LSU AgCenter Announces Spring Coastal Conference", LSU Agricultural Center Press Release, March 30, 2007.
- Caffey, R.H.** (2006). "Call for Abstracts: Challenges of Socioeconomic Research in Coastal Systems, the 2<sup>nd</sup> National Conference on Socioeconomic Research in Coastal Systems", Press release for the Center for Natural Resource Economics & Policy, January 25, 2006.
- Caffey, R.H.** (2006). "CNREP Develops Innovative Hurricane Impact Model for Fisheries Damage Assessment", Press release for the Center for Natural Resource Economics & Policy, December 15, 2006.
- Caffey, R.H.** (2006). "CNREP Established External Advisory Committee", Press release for the Center for Natural Resource Economics & Policy, December 5, 2006.
- Caffey, R.H.** (2006). "Caffey Featured in Yale University Lecture Series", Press release for the Center for Natural Resource Economics & Policy, October 15, 2006.
- Caffey, R.H.** (2006). "State Outdoor Writers Association Announces Winners", Press release for Louisiana Outdoor Writers Association, August 19, 2006.
- Caffey, R.H.** and R. Kron (2006). "Meeting Set To Plan Fisheries Restoration Funding Use", Louisiana Fisheries News, Press Release, July 2006
- Bogren, R. and **R.H. Caffey** (2005). "Louisiana Seafood Industry Down, But Not Out", LSU AgCenter Press Release, 9/20/2005.
- Caffey, R.H.** (2005). "Why is Louisiana losing its coastal wetlands and how much have been lost? Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Caffey, R.H.** (2005). "Was some of the damage from Hurricanes Katrina and Rita exacerbated by the loss of Louisiana's coastal wetlands?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Caffey, R.H.** (2005). "How did Louisiana's barrier islands fare during Hurricane Katrina?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Caffey, R.H.** (2005). "What were the effects of Hurricane Katrina on Louisiana's coastal marshes?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Caffey, R.H.** (2005). "How are CWPPRA, Coast 2050, WRDA, LCA and CIAP different?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.

- Caffey, R.H.** (2005). "Are there other areas of coastal Louisiana that are highly vulnerable to hurricanes?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Thomas, G. and **R.H. Caffey** (2005). "How have Louisiana's recreational fishermen been affected by Hurricane Katrina?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- R.H. Caffey** (2005). "What is the overall status of Louisiana's oil and gas industry after Hurricane Katrina?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Caffey, R.H.** (2005). "What harbors/marinas/boat ramps are currently open in coastal Louisiana and how do I contact them?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Caffey, R.H.** (2005). "Did the Mississippi River Gulf Outlet (MRGO) contribute to the flooding of St. Bernard Parish during Hurricane Katrina, and will this event expedite closure of the channel?" Louisiana Sea Grant Hurricane Resources Recovery Website, FAQ, October 2005.
- Kron, R. and **R.H. Caffey** (2005). "The Presidents' Forum Meeting Coastal Challenges" Louisiana Sea Grant Press, minutes, and presentations from Inaugural Forum, February 21, 2005.
- Caffey, R.H.** (2005). "The Presidents' Forum on Meeting Coastal Challenges: Towards a Near-Term Agenda for Coastal Louisiana", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 1-2.
- Caffey, R.H.** (2005). "LA 1 Improvements Project Update", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 2.
- Caffey, R.H.** (2005). "Hollywood Captures LA-1 Vulnerability", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 2.
- Caffey, R.H.** (2005). "NOAA Publication Release: Science-Based Restoration Monitoring of Coastal Habitats, Volume Two: Tools for Monitoring Coastal Habitats", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 3.
- Caffey, R.H.** (2005). "Senate Committee Holds Hearing on Coastal Zone Management Act Legislation", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 4.
- Caffey, R.H.** (2005). "LCA Meetings on Caminada Headland and Shell Island Restoration Feasibility Study", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 4.
- Caffey, R.H.** (2005). "NRCS Announces \$4 Million Available for Wetland Reserve Enhancement Program", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 5.
- Caffey, R.H.** (2005). "Louisiana Natural Resources Symposium", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 5.

- Caffey, R.H.** (2005). "Governor's Science Working Group and Advisory Panel releases report on Louisiana's Coastal Wetland Forests", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2005, p 6.
- Masson, T. and **R.H. Caffey.** (2005). "96 percent of public support for state purchase of Elmer's Island Louisiana Sportsman", Louisiana Sportsman Magazine, December 30, 2004.
- Kron, R. and **R.H. Caffey** (2004). "LSU Seeks Participants for Coastal Fishing Bait Survey", Louisiana Sea Grant Press Release", August 13, 2004.
- Bogren, R., Kron, R. and **R.H. Caffey.** (2004). "Conference Explores Social, Economic Aspects of Coastal Restoration", Louisiana Sea Grant Press Release", August 13, 2004.
- Kron, R. and **R.H. Caffey,** (2004). "Public Says State Should Buy Elmer's Island", Louisiana Sea Grant Press release December 2, 2004.
- Caffey, R.H.** (2004). "Linking Recreation to Restoration: The Case of Elmer's Island", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2004, p 1-4.
- Caffey, R.H.** (2004). "Concern Over Public Acquisition of Private Land is Not New", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2004, p 5.
- Caffey, R.H.** (2004). "CNREP Conference to Focus on Socioeconomic Issues of Coastal Resources", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2004, p 6.
- Caffey, R.H.** (2004). "NOAA Develops Manuals for Coastal Restoration Projects, Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2004, p 7.
- Caffey, R.H.** (2003). "The Rise and Fall of Louisiana's Agricultural Wetlands?", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2003, p 1-4.
- Caffey, R.H.** (2003). "Birds Recorded at Agricultural Wetland Study Areas in Southern Louisiana", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2003, p 4.
- Caffey, R.H.** (2003). "USDA Releases \$55.7 Million To Restore And Protect Wetlands", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2003, p 5.
- Caffey, R.H.** (2003). "The Links Between Agricultural and Conservation Policy Examined in Report", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2003, p 5.
- Caffey, R.H.** (2003). "Study Broadens Knowledge of Easements", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2003, p 5.
- Caffey, R.H.** (2003). "Symposium to focus on Socioeconomic Research in Coastal Systems", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2003, p 6.

- Caffey, R.H.** (2003). "Nominations Sought for National, State Wetland Stewardship Awards", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2003, p 6.
- Caffey, R.H.** (2003). "Constitutional Amendments 1, 2, & 3", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2003, p 1.
- Caffey, R.H.** (2003). "An Interpretive Topic Series on Coastal Restoration in Louisiana", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2003, p 2.
- Caffey, R.H.** (2003). "Duckonomics 101: The Economic Impact of Water Fowl Hunting In Louisiana", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2003, p 4.
- Caffey, R.H.** (2003). "New ' Louisiana Fisheries' Website Offer Content and Utility", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2003, p 5.
- Caffey, R.H.** (2003). "Louisiana Department of Natural Resources Announces SONRISE GIS Interactive Mapper for Louisiana", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2003, p 5.
- Caffey, R.H.** (2003). "Newcomer and Native Offer Books with a "Bayou" Perspective", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2003, p 6.
- Caffey, R.H.** (2003). "Tremendous Response to Elmer's Island Coastal Recreation Survey", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2003, p 7.
- Caffey, R.H.** (2003). "New Wetland Bills Introduced to LA Legislature", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2003, p 1.
- Caffey, R.H.** (2003). "Completion of the Hydrologic Investigation of the Louisiana Chenier Plain", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2003, p 4.
- Caffey, R.H.** (2003). "Louisiana Coastal Restoration Report Now Available", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2003, p 4
- Caffey, R.H.** (2003). "EPA Administrator Whitman learns about Coastal Roots", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2003, p 5.
- Caffey, R.H.** (2003). "LWF Joins White Lake Lawsuit", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2003, p 5.
- Caffey, R.H.** (2003). "On-line Mitigation Banking?", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2003, p 6.

- Caffey, R.H.** (2002). "Crossing The Leeville Bridge", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 1-4.
- Caffey, R.H.** (2002). "Louisiana Gets a One-Two Punch with Isidore and Lili: Economic Losses Expected to Exceed those of Hurricane Andrew", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 4.
- Caffey, R.H.** (2002). "Study Finds Dramatic Increase in Use of Mitigation Banks and In-Lieu-Fees", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 5.
- Caffey, R.H.** (2002). "Economic Importance of Recreational Resources Emphasized in USFWS Survey", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 5.
- Caffey, R.H.** (2002). "Nomination Forms Available for 2003 National Wetlands Awards", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 5.
- Caffey, R.H.** (2002). "Governor Appoints Members to New Coastal Commission", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 6.
- Caffey, R.H.** (2002). "Construction on West Bay Sediment Diversion To Begin in Spring 2003", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 6.
- Caffey, R.H.** (2002). "Climate Change and Coastal Louisiana", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 2002, p 1.
- Caffey, R.H.** (2002). "Wetland Policy and the Pothole-Loophole", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2002, p 1-4
- Caffey, R.H.** (2002). "The Corps in My Backyard", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2002, p 3.
- Caffey, R.H.** (2002). "New Coastal Zone Map Available", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2002, p 4.
- Caffey, R.H.** (2002). "Coastal Nutria Trappers To Benefit From New Bounty Program", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2002, p 5.
- Caffey, R.H.** (2002). "On Conservation and the Farm Bill", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 1-4.
- Caffey, R.H.** (2002). "Farm Security and Rural Investment Act of 2002: Comparison of Major Conservation Programs to the 1996 Farm Bill", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 4.

- Caffey, R.H.** (2002). "Wetlands Reserve Program to Continue Benefiting Louisiana Farmers", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 6.
- Caffey, R.H.** (2002). "New Conservation Security Program Could Reward Resource Stewardship", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 6.
- Benedict, L. and **R.H. Caffey** (2002). "Louisiana Farmers Learn To 'Master' Conservation in New Program", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer, p 7.
- Caffey, R.H.** (2002). "New in 2002: A Separate Title for Forestry", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 8.
- Caffey, R.H.** (2002). "Third Parties to Play Increasing Role in Conservation Technical Assistance", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 8.
- Caffey, R.H.** (2002). "Websites Facilitate Understanding of Farm Bill Conservation", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 9.
- Caffey, R.H.** (2002). "LSU AgCenter Sponsors Farm Bill Conference", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2002, p 9.
- Caffey, R.H.** (2002). "2002 Starts Out as an Active Year on the Coastal Front", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 1-3.
- Caffey, R.H.** (2002). "Chief Engineer Cites Davis Pond as Example of Corps Greening", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 3.
- Caffey, R.H.** (2002). "New Publication Series To Address "Sticky" Coastal Issues", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 4.
- Caffey, R.H.** (2002). "Farm Bill Nears Completion: Conservation Spending to Escalate", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 5.
- Caffey, R.H.** (2002). "AgCenter Forms New Partnerships with USGS and NRCS", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 6.
- Caffey, R.H.** (2002). "USGS 2002 Training Workshop Schedule", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 6.
- Caffey, R.H.** (2002). "Agricultural Realtors Conference to Convene", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 7.

- Caffey, R.H.** (2002). "2001 Ag Summary Now Available Online", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 7.
- Caffey, R.H.** (2002). "Coalition to Restore Coastal Louisiana to Host Stewardship Banquet", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2002, p 8.
- Caffey, R.H.** (2001). "Governor Foster Declares "Jihad" on Coastal Land Loss", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2001, p 1-2.
- Caffey, R.H.** (2001). "Combest-Stenholm Bill Passes House Ag. Committee: Wetland Reserve Program Concerns Loom", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2001, p 2.
- Caffey, R.H.** (2001). "LSU AgCenter to Host Farm Policy Meeting", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2001, p 3.
- Caffey, R.H.** (2001). "Louisiana Coastal Wetlands Workshops: Barataria Basin and Chenier Plain", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2001, p 4.
- Caffey, R.H.** (2001). "Success of New *Coastal Roots* Program Aids Marsh Maneuvers" on Coastal Land Loss", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2001, p 5.
- Caffey, R.H.** (2001). "LSU AgCenter Hosts Louisiana Water Summit", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 1-2.
- Caffey, R.H.** (2001). "Wildlife Cost-Share Opportunity for Landowners", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 2.
- Caffey, R.H.** (2001). "Wetlands Workshop at St. Bernard", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 2.
- Caffey, R.H.** (2001). "New Maps Depict La Wetlands", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 3.
- Caffey, R.H.** (2001). "CARA Update: \$28 Million Available in CIAP Funding", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 4.
- Caffey, R.H.** (2001). "Community-Based Restoration Funds Available", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 4.
- Caffey, R.H.** (2001). "USGS 2001 Wetland Training Workshop Schedule", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 4.

- Caffey, R.H.** (2001). "Wetland Reserve Program Approaches Acreage Cap", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 5.
- Caffey, R.H.** (2001). "Floodplain Easements Now Available", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2001, p 6.
- Caffey, R.H.** (2000). "The Brown Marsh Phenomenon: Accelerated Dieback of Louisiana's Coastal Salt Marshes", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2000, p 1-4.
- Caffey, R.H.** (2000). "Marsh Maneuvers: A Review of 2000", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2000, p 4.
- Caffey, R.H.** (2000). "Environmental State of the State (ESOS)-V Conference.", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2000, p 5.
- Caffey, R.H.** (2000). "Panel Addresses Problems with Common Salvinia", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Fall 2000, p 5.
- Caffey, R.H.** (2000). "Critical Habitat Proposed for the Piping Plover", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2000, p 1-2.
- Caffey, R.H.** (2000). "A Portrait of Barataria-Terrebonne", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2000, p 2.
- Caffey, R.H.** (2000). "Wetland Planting Guides Now Available", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2000, p 2.
- Caffey, R.H.** (2000). "New Atlas of Louisiana Breeding Birds", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2000, p 3.
- Caffey, R.H.** (2000). "2000-2001 Waterfowl Season Proposed by LDWF", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2000, p 3.
- Caffey, R.H.** (2000). "Coastal Wetlands Workshop On the Lower River at West Pointe a la Hache", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2000, p 5.
- Caffey, R.H.** (2000). "Senate Energy Committee Reports Out CARA Bill", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Summer 2000, p 6.
- Caffey, R.H.** (2000). "Research and Policy Highlighted at Coastal Wetland Plant Materials Symposium", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 1.

- Caffey, R.H.** (2000). "NOAA Forms Coastal Restoration Network", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 2.
- Caffey, R.H.** (2000). "Atchafalaya Basin Program Update", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 3.
- Caffey, R.H.** (2000). "Coastal Wetlands Workshop to be held at Westwego", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 4.
- Caffey, R.H.** (2000). "GPS Accuracy Improves Overnight", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 4.
- Caffey, R.H.** (2000). "Explore Coastal Louisiana CD-ROM Available", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 4.
- Caffey, R.H.** (2000). "Seventeen CWPPRA Projects Approved for 2000", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p4.
- Caffey, R.H.** (2000). "Wetland Biogeochemistry Institute Workshops", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 5.
- Caffey, R.H.** (2000). "USGS Wetland Training Workshops", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant, Spring 2000, p 6.
- Caffey, R.H.** (2000). "Wetland Delineator Directory Updated for 2000", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 6.
- Caffey, R.H.** (2000). "Corps Issuing New Nationwide Permits", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 7.
- Caffey, R.H.** (2000). "Extension and Research Merge in LSU AgCenter", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Spring 2000, p 7.
- Coleman, E. and **R.H. Caffey** (1999) Wetlands in the Marketplace, Coast and Sea, Louisiana Sea Grant College Program, Vol 7, No. 2, Fall 1999.
- Caffey, R.H.** (1999). "New Wetland Educational Materials", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 1999, p 1.
- Caffey, R.H.** (1999). "EPA Award and Web Site for Marsh Maneuvers Program", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 1999, p 2.

**Caffey, R.H.** (1999). "LSU Agricultural Center Hosts Coastal Re-vegetation Research Program", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 1999, p 2.

**Caffey, R.H.** (1999). "Wetland Mitigation Banking Basics", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 1999, p 3.

**Caffey, R.H.** (1999). "Coastal Wetland Planning Preservation and Restoration Act (CWPPRA) Extended", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 1999, p 4.

**Caffey, R.H.** (1999). "Tulloch Rule Reversal", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 1999, p 4.

**Caffey, R.H.** (1999). "Wetland Delineator Directory to be Updated in 2000", Louisiana Wetland News, Louisiana Cooperative Extension Service and Louisiana Sea Grant College Program, Winter 1999, p 5.

## **MASS MEDIA, WEB PAGE DEVELOPMENT AND MAINTENANCE**

### **2010 Gulf of Mexico Recreation for Hire Economic Survey**

**Caffey, R.H. and M. Savolainen**

Co-designer

URL: (no longer active)

This website was established in March 2010 and hosted by the LSU Public Policy Research Laboratory. The site hosted a web-based version of a NOAA-funded economic survey of charter boat captains in Texas, Louisiana, Mississippi, Alabama, and West Florida. The survey was completed by 638 respondents.

### **Reflections on Chandeleur**

Ouder, P and **Caffey, R.H.** and M. Dufor; Co-designer and co-webmaster

URL: [www.laseagrant.org/lighthouse/](http://www.laseagrant.org/lighthouse/)

This website was completed in 2009 and is hosted by the Louisiana Sea Grant College Program. The site provides an archive of photos and narrated web-films pertaining to ecology, geology, and social history of the Chandeleur Islands.

### **Conference Websites: Challenges of Natural Resource Economics & Policy: National Forum for Socioeconomic Research in Coastal Systems (2004,2007,2010)**

**Caffey, R.H.**, Designer and co-webmaster

URL: [www.cnrep.lsu.edu/pdfs/CNREP%202007%20Final%20Program%20Agenda.pdf](http://www.cnrep.lsu.edu/pdfs/CNREP%202007%20Final%20Program%20Agenda.pdf)

This website, established hosted by the LSU Department of Agriculture Economics & Agribusiness, served as the conference website for *CNREP 2004*, *CNREP 2007*, and *CNREP 2010: National Forums on Socioeconomic Research in Coastal Systems*. The site included a call for abstracts, on-line registration, housing and logistic information, program agenda, and other information.

### **Center for Natural Resource Economics & Policy (2006-2007)**

**Caffey, R.H.**, Designer and co-webmaster

URL: [www.cnrep.lsu.edu](http://www.cnrep.lsu.edu)

This website, established in October 2006, provides an Internet presence for the LSU Center for Natural Resource Economics & Policy (CNREP). The site includes an electronic brochure; a listing of all CNREP cooperators, affiliates, and graduate students; by-laws; advisory committee members; a news archive; and additional information.

**Economic Assessments of Louisiana Fisheries and the 2005 Hurricane Season (2005-2007)**

**Caffey, R.H.**, Designer and webmaster

URL: <http://agecon.lsu.edu/~rcaffey/CaffeyWeb/newpage.html>

<http://www.cnrep.lsu.edu/KatRita-Fish-Econ-audio.ppt> (audio version)

This website, established in January 2006, is an archive of presentation and text files related to the coastal fisheries impacts of Hurricanes Katrina and Rita. Files on this site were disseminated frequently throughout 2006 in support of coastal fishery recovery efforts at the state and federal level.

**Hurricane Recovery Resources (2005-2007)**

**Caffey, R.H.**, Concept and co-designer

URL: [www.laseagrant.org/hurricane/index.htm](http://www.laseagrant.org/hurricane/index.htm)

This website, established in October 2005, is hosted by the Louisiana Sea Grant College Program. The site provides visitors with access to data concerning storm preparedness and recovery, Frequently Asked Questions (FAQs), and archived information about Hurricanes Katrina and Rita. This site received an APEX Excellence in Communications in 2006.

**Presidents' Forum on Meeting Coastal Challenges (2005-2007)**

**Caffey, R.H.**, Contributor and co-author

URL: [www.laseagrant.org/forum/index.html](http://www.laseagrant.org/forum/index.html)

This website was established in January 2005 and is hosted by the Louisiana Sea Grant College Program. The site provides an archive of the oral presentations, text files, and transcripts associated with the *Presidents' Forum on Meeting Coastal Challenges*. Four such forums have been held in the past three years.

**Content Management System: Wetlands (2005-2010)**

**Caffey, R.H.**, Channel Moderator and contributor

URL: [www.lsuagcenter.com/en/environment/conservation/wetlands/List.htm#top](http://www.lsuagcenter.com/en/environment/conservation/wetlands/List.htm#top)

This content management system (CMS) website was established in May 2005 and is hosted by the Louisiana State University Agricultural Center. The site is an archive of all extension-based information generated by AgCenter faculty. Information is categorized by commodity and specialty area. As a channel moderator, I review and approve all content related to wetlands and coastal resources.

**Louisiana Coastal Bait Initiative (2005)**

**Caffey, R.H.**, Designer and webmaster

URL: (no longer active)

This website was established in May 2005 and hosted by the LSU Department of Agricultural Economics and Agribusiness. The site included a 35-question web survey which focused on the technical, economic, and policy aspects of the coastal bait industry. The survey was completed online by 510 respondents. Results were used to provide guidance on marine extension programming and research.

**Wetland and Coastal Resources Program Assessment (2001, 2005)**

**Caffey, R.H.**, Designer and webmaster

URL: (no longer active)

These temporary websites, established in April 2001 and March 2005, were hosted by the LSU Department of Agricultural Economics and Agribusiness. The sites were used to conduct constituent assessment surveys for the purpose of evaluating and directing the extension program in wetland and coastal resources.

**Louisiana Wetland News (2000-2005)**

**Caffey, R.H.**, Designer and webmaster

URL: [www.agecon-extension.lsu.edu/CaffeyWeb/Wetland\\_News/LWN.htm](http://www.agecon-extension.lsu.edu/CaffeyWeb/Wetland_News/LWN.htm)  
[www.seagrantfish.lsu.edu/resources/wetlandnews.htm](http://www.seagrantfish.lsu.edu/resources/wetlandnews.htm)

This website, established in June 2000, provides an archive of all issues of the Louisiana Wetland News published between 1992 and 2005. The archive is maintained on servers of the LSU Department of Agricultural Economics and Agribusiness and the Louisiana Sea Grant College Program. The site contains 39 issues of the newsletter and more than 275 extension-based news articles related to Louisiana wetlands and coastal resources.

**Elmer's Island Coastal Preference Survey (2003)**

**Caffey, R.H.**, Designer and webmaster

URL: (no longer active)

This website was established in May 2003 and hosted by the LSU Department of Agricultural Economics and Agribusiness. The site included a 40-question web survey based on travel-cost and contingent valuation methodologies. The survey was completed online by 2,948 respondents. Results were used, among other things, to document support for the public acquisition of a parcel of coastal land known as Elmer's Island.

**Interpretive Topic Series on Coastal Wetland Restoration (2003)**

**Caffey, R.H.**, Designer and author

URL: [www.lacoast.gov/reports/its/index.htm](http://www.lacoast.gov/reports/its/index.htm)  
[www.seagrantfish.lsu.edu/resources/handbooklist.htm](http://www.seagrantfish.lsu.edu/resources/handbooklist.htm)

This website, established in May 2003, is hosted jointly by the Coastal Wetland Planning, Protection, and Restoration Act (CWPPRA) and the Louisiana Sea Grant College Program. The sites contain an archive of five illustrated monographs related coastal wetland restoration in Louisiana.

**Sea-Grant-Fish: Louisiana Fisheries Website (2003)**

**Caffey, R.H.**, Co-designer and contributor

URL: [www.SeaGrantFish.lsu.edu](http://www.SeaGrantFish.lsu.edu)

This website, established in May 2003, compiles more than 35 years of marine extension publications and programs developed specifically for Louisiana by faculty of the Marine Extension Project. The information is partitioned into five fisheries-related topics areas, including biology, management, habitat, legal and socioeconomic issues. This site received a Conservation Achievement Award in 2004 from the Louisiana Wildlife Federation.

**Conservation Provisions of the 2002 Farm Bill Website (2001)**

**Caffey, R.H.**, Contributor

URL: No longer active

This website, established in May 2001 by the LSU AgCenter, provided an archive of presentation and text files related to the 2002 Farm Bill.

**Wetland Policy (2001)**

**Caffey, R.H.**, Designer and webmaster

URL: No longer active

This website, established in August 2001 and hosted by the LSU Department of Agricultural Economics and Agribusiness, was a support site for the graduate course: AGEC 7710: Wetland Policy. The site included a course syllabus, lectures, and other relevant information.

**Atchafalaya Basin Program Volunteer Coordination (2000)**

**Caffey, R.H.**, Designer and webmaster

URL: No longer active

This website, established in August 2000 and hosted by the Louisiana Cooperative Extension Service, was a support site for volunteers associated with the Atchafalaya Basin Program of the Louisiana Department of Natural Resources.

**NOAA Coastal Restoration Network: "Rest-Net" (1999-2007)**

**Caffey, R.H.**, Designer and listserv coordinator

Address: [Restnet-L@listserv.lsu.edu](mailto:Restnet-L@listserv.lsu.edu)

This listserv, established in August 1999 and hosted by Louisiana State University, is an electronic network of more than 150 state and federal employees who work in the area of coastal restoration and conservation. Members of the network are from the National Sea Grant College Program and the National Oceanic and Atmospheric Administration.

**Marsh Maneuvers Coastal Education Program (1999-2005)**

**Caffey, R.H.**, Designer and webmaster

URL: No longer active

This website, established in August 1999, and hosted by the Louisiana Cooperative Extension Service, was an informational site for the Marsh Maneuvers Coastal Education Program. The site included information on program history, curricula, and logistics.

**Advanced Marsh Maneuvers (1999-2005)**

**Caffey, R.H.**, Designer and webmaster

URL: No longer active

This website, established in August 1999, and hosted by the Louisiana Cooperative Extension Service, was an informational site for the Warren Mermilliod Advanced Coastal Aquatic Camp (Advanced Marsh Maneuvers). The site included descriptive information on program history, curricula, and logistics.

**Aquaculture Sustainability Survey (1997)**

**Caffey, R.H.**, Designer and webmaster

URL: (no longer active)

This website was established in May 1997 and hosted by the Ben Hur Aquaculture Research Station. The site included a 45-question web-based Delphi survey of aquaculture stakeholders in the southeastern United States.

**Student Chapter: World Aquaculture Society (1997-1999)**

**Caffey, R.H.**, Designer and webmaster

URL: (no longer active)

This website was established in August 1997 and hosted by the Ben Hur Aquaculture Research Station. The site served as a contact directory and information exchange for the student-members of the World Aquaculture Society.

## PRESENTATIONS AT PROFESSIONAL AND CLIENTELE TARGETED CONFERENCES

### Posters:

Wang, H and **R. H. Caffey** (2010) Incorporating Time and Risk Considerations In the Selection of Coastal Restoration Projects, CNREP 2010: Challenges of Natural Resource Economics and Policy, May 26-28, 2010, New Orleans, LA

**Caffey, R.H.** , Aust, C. and J. Westra (2009) Examining the Efficiency of Coastal Restoration, Poster presentation at Coastal Zone 2009, Boston, MA, July 19-23, 2009.

**Caffey, R.H.** , Bourriaque, R. and J. Westra (2009) Spatial Economics of Wetland Mitigation Banking, Poster presentation at Coastal Zone 2009, Boston, MA, July 19-23, 2009.

**Caffey, R.H.** and R. Kazmierczak (2009) A Novel Approach for Estimating Hurricane Damages to Coastal Fishing Infrastructure. Poster presentation at Coastal Zone 2009, Boston, MA, July 19-23, 2009.

Westra, J., J. Huner and **R. Caffey**. "Ecological and Economic Benefits and Costs of Louisiana's Working Wetlands." Partners in Flight, 4th International Conference, McAllen TX, February 2008.

Westra, J.V., J.V. Huner, and **R.H. Caffey**. "Ecological and Economic Benefits and Costs of Louisiana's Working Wetlands." Rice Research Station Field Days, Crowley LA, July 2008.

Guidry, K.M, **Caffey, R.H.**, and M. Fannin (2009) How Big is the Number and Why Should We Care? An Evaluation of Methods Used to Measure Economic Impacts to the Food and Fiber System from the 2008 Hurricane Season", Southern Agricultural Economics Association, 2009 Annual Meeting, January 31-February 3, 2009, Atlanta, Georgia.

**Caffey, R.H.**, Aust, C. and H. Diop (2008) Examining the Efficacy of Coastal Restoration in Louisiana, Poster Presentation, American, 21st International Conference of The Coastal Society, June 29-July 3, 2008, Redondo Beach, California.

Devkota, N., Paudel, K., Fannin, M., Hall, L., and **R.H. Caffey** (2007). "Can Web-Based Surveys Be Employed on Empirical Studies?" American Agricultural Economics Association, Portland, OR, July 29-August 3, 2007.

**Caffey, R.H.**, Aust, C. and H. Diop, (2007). "Cost-Efficacy of Coastal Restoration in Louisiana", American Agricultural Economics Association, Portland, OR, July 29-August 3, 2007.

Kazmierczak, R.F., Niu, J., **Caffey, R.H.**, Diop H., and W. Keithly (2007). "A Method for Rapid Economic Assessment of Post Hurricane Fisheries Infrastructure Damages", 2<sup>nd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA, May 20-23, 2007.

- Westra, J., J. Huner, and **R.H. Caffey** (2007). "Louisiana's Agricultural Wetlands as Water-bird Habitat: Potential Benefits and Costs." North American Duck Symposium and Workshop, 4th Annual Conference, Bismarck ND, August 2006.
- Westra, J., J. Huner, and **R. H. Caffey** (2007). "Working Lands Programs: Potential Economic and Potential Benefits of Agricultural Wetlands." Louisiana Association of Professional Biologists, Annual Conference, Lafayette LA, August 2005.
- Westra, J., **Caffey, R. H.**, and J. Huner (2005). "Economic and Environmental Benefits to Water-birds of Louisiana Agricultural Wetlands Habitat." Coastal Zone 05, National Oceanic and Atmospheric Administration, New Orleans LA, July 2005.
- Westra, J.V., J.V. Huner, and **R.H. Caffey** (2005). "Working Lands Programs: Potential Economic and Environmental Benefits of Agricultural Wetlands." Rice Research Station Field Days, Crowley LA, July 2005.
- Gaude, A. and **R.H. Caffey** (2005). "Survey of the Marine Bait Industry in Louisiana: A Status Report", Coastal Zone 05, National Oceanic and Atmospheric Administration, New Orleans LA, July 2005
- Westra, J.V., **Caffey, R. H.** and J.V. Huner (2005). "Working Lands Programs: Potential Tools for Conserving Agricultural Wetlands." Southern Agricultural Economics Association, Annual Conference, Little Rock AR, February 2005.
- Caffey, R. H.**, Paudel, K. and L. Hall (2005). "Linking the Demand for Recreational Fishing and Coastal Habitat Conservation: The Case of Elmer's Island," Louisiana-Mississippi Chapter of the American Fisheries Society, Baton Rouge, LA, February, 2005.
- Caffey, R. H.**, Paudel, K. and L. Hall (2004). "Linking the Demand for Recreational Fishing and Coastal Habitat Conservation: The Case of Elmer's Island," Coauthored with K. Paudel and L. Hall, Challenges of Socioeconomic Research in Coastal Systems, Baton Rouge, LA May 27-28, 2004.
- Schexnayder, M. and **R.H. Caffey** (2004). "The Valve Dilemma: Restoring Fisheries Habitat in Coastal Louisiana", Coauthored with M. Schexnayder, Challenges of Socioeconomic Research in Coastal Systems, Baton Rouge, LA May 27-28, 2004.
- Westra, J.V., **Caffey, R. H.**, and J.V. Huner (2004). "Economic and Environmental Implications of Potential Policies to Address Agricultural Wetlands Loss." Soil and Water Conservation Society, Annual Conference, Saint Paul MN, July 2004.
- Schexnayder, M. and **R.H. Caffey** (2004). "The Valve Dilemma: Restoring Fisheries Habitat in Coastal Louisiana", Coauthored with M. Schexnayder, 4th World Fisheries Congress, Vancouver, BC, Canada, May 1-7, 2004.
- Westra, J.V., **Caffey, R. H.**, and J.V. Huner (2004). "Economic and Environmental Implications of Potential Policies to Address Agricultural Wetlands Loss." Challenges of Socioeconomic Research in Coastal Systems: Valuation, Analysis, and Policy Development, Conference of the Center for Natural Resource Economics and Policy, Baton Rouge LA, May 2004.
- Caffey, R. H.**, Paudel, K. and L. Hall (2004). "Linking the Demand for Recreational Fishing and Coastal Habitat Conservation: The Case of Elmer's Island," 4th World Fisheries Congress, Vancouver, BC, Canada, 2004.
- Leblanc, B. and **R.H. Caffey** (2004). "Mississippi River Water Quality: Agriculture and Wetlands" submitted with B. Leblanc. Water Quality Summit, Cooperative State Research Extension and Education Service, Tampa, FL, January 5-6, 2004.

Westra, J.V., **Caffey, R. H.**, and J.V. Huner (2004). "The Economic and Environmental Significance of Louisiana's Agricultural Wetlands as Waterbird Habitat: Status and Challenges." International Association of Astacology, Annual Symposium, London England, April 2004.

**Caffey, R. H.**, Huner, J.V., and J.V. Westra (2003). "The Economic and Environmental Significance of Louisiana's Agricultural Wetlands as Waterbird Habitat: Status and Challenges." Society of Wetlands Scientists, Annual Meeting, New Orleans LA, June 2003.

Kazmierczak, Jr., R.F. and **R.H. Caffey** (2001). "Incorporating Multiple Stakeholder Goals into the Development and Use of a Sustainability Index: Consensus Indicators of Sustainability." American Agricultural Economics Association Annual Meeting, Chicago, Illinois.

Kazmierczak, Jr., R.F. and **R.H. Caffey** (2001). "Developing Consensus Indicators of Sustainability: A Case Study of Aquaculture" Coastal Zone 2001, Cleveland, OH, July 2001.

Kazmierczak, Jr., R.F. and **R.H. Caffey** (2001). "Constructing and Applying a Multicriteria Index of Delphi-Assessed Sustainability", Coastal Zone 2001, Cleveland, OH, July 2001.

**Caffey, R.H.** and P. Coreil (2000). "Mississippi River Water Quality: Implications for Freshwater Diversions", ESOS-V: Louisiana's 5<sup>th</sup> Annual Environmental State of the State Conference. Baton Rouge, Louisiana. November 16-17, 2000.

**Caffey, R.H.** and B. Leblanc (2000). "Closing the Mississippi River Gulf Outlet: Economic and Environmental Implications", co-authored with B. Leblanc, selected poster for ESOS-V: Louisiana's 5<sup>th</sup> Annual Environmental State of the State Conference. Baton Rouge, Louisiana. November 16-17, 2000

Kazmierczak, R.F. and **R.H. Caffey** (1995). "Biochemical Oxygen Demand, Aeration, and the Stability of a Recirculating Tilapia Production System: A Mathematical Simulation Model." World Aquaculture Society Annual Meetings, San Diego, California.

**Caffey, R.H.** and R.F. Kazmierczak, Jr. (1995). "Management Ability and the Economics of Recirculating Aquaculture Systems." Southern Agricultural Economics Association Annual Meetings, New Orleans, Louisiana, July 27, 1995.

#### **Oral Presentations:**

Savolainen, M., **Caffey, R.H.**, and R. Kazmierczak (2012) Catch-Share Management and the Recreational For-Hire Fishing Sector in the U.S. Gulf of Mexico, World Fisheries Congress, Edinburgh International Conference Centre, Edinburgh, Scotland, May 2012.

Savolainen, M., **Caffey, R.H.**, and R. Kazmierczak (2012) The Role of Environmental Accidents on Recall and Attitudes in the Recreational For-Hire Fishing Industry, World Fisheries Congress, Edinburgh International Conference Centre, Edinburgh, Scotland, May 2012.

Wang, H., Niu, J. and **R.H. Caffey** (2012) Scaling Hurricane Impacts on Wetland Restoration Projects Using Geographic Information Systems, Louisiana Remote Sensing and GIS Workshop, April 21, 2012

- Caffey, R.H.** (2012) Economic Status of the Louisiana Shrimp Sector in 2012 Louisiana Commercial Shrimp Summit, April 5,2012 Larose, LA
- Caffey, R.H.** (2012) The Economics of Louisiana's Coastal Restoration Effort: Costs, Benefits, Scale, Location, Time, and Risk, Coastal Planning Protection and Restoration Act, Public Outreach Meeting, January 2012.
- Wang, H., **Caffey, R.H.** and D. Petrolia (2012) An Economic Assessment of Competing Technologies for Coastal Restoration, Southern Agricultural Economics Association 2012 Annual Meeting, Birmingham, AL, February 4-7, 2012, 15 p.
- Caffey, R.H.** and H. Wang (2011) "A Comparative Economic Assessment of Land-Building Methods for Coastal Restoration in Louisiana", Barataria-Terrebonne National Estuary Program, 58th Management Conference, December 7, 2011.
- Caffey, R.H.** and H. Wang (2011) "A Comparative Economic Assessment of Land-Building Methods for Coastal Restoration in Louisiana", Louisiana Office of Coastal Protection and Restoration, November 28, 2011..
- Savolainen, M.A., **R.H. Caffey**, and R.F. Kazmierczak, Status Update: 2010 Economic Survey of the Recreational For-Hire Fishing Sector in the U.S. Gulf of Mexico. Oral presentation at the Quarterly Louisiana Sea Grant Marine Extension Meeting, Grand Isle, LA (2011).
- Savolainen, M., **Caffey, R.H.** and R. Kazmierczak (2011) The Potential Effects of Recall Bias on the 2010 Economic Survey of the Recreational For-Hire Fishing Sector in the U.S. Gulf of Mexico, North American Association of Fisheries Economists, Honolulu, HI, May 12, 2011.
- Caffey, R.H.** (2011) Marine Resource Economics Update, Oral presentation at the Quarterly Louisiana Sea Grant Marine Extension Meeting, Grand Isle, LA (2011).
- Savolainen, M., **Caffey, R.H.** and R. Kazmierczak (2011) Economic Survey of the Recreational For-Hire Fishing Sector in the U.S. Gulf of Mexico, North American Association of Fisheries Economists, Honolulu, HI, May 12, 2011.
- Caffey, R.H.** (2011) Damage Assessments for Fisheries: Early Indications and Uncertainties: Economics of the Deepwater Horizon Spill, Organized Symposium 6: Southern Agricultural Economics Association, February 2011.
- Caffey, R.H.** (2011) Coastal Fisheries Implications, National Sea Grant Oil Spill Consortium, University of Georgia, January 26, 2010.
- Caffey, R.H.** (2010) Plenary Address, CNREP 2010: Challenges of Natural Resource Economics and Policy, the 3rd National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA, May 28, 2010.
- Caffey, R.H.** (2010) Fisheries and Coastal Habitat: Estimating losses from the Gulf Horizon Oil Spill, State of the Coast Conference, June 10, 2010
- Caffey, R.H.** (2010) The Wetlands and Fisheries of Coastal Louisiana: A Status Report for 2010, Lagniappe Studies program, Baton Rouge, LA, April 14, 2010.
- Caffey, R.H.** (2010) Wetlands, Fisheries and Oil: A Status Report for Coastal Louisiana, Project Management Institute, Invited Presentation, Baton Rouge, LA, October 21, 2010

- Caffey, R.H.** (2010) Louisiana's Coastline: Economic & Environmental Challenges, LSU Faculty and Staff Retirees' Club, October 11, 2010
- Caffey, R.H.** (2010) The Role of Experts in Maritime Litigation: A case study on the Gulf oil spill, focus on resource economics, 17th Admiralty Symposium, Louisiana State Bar Association, September 24, 2010.
- Caffey, R.H.** (2010) Estimating the Economic Damage of Hurricanes on Commercial and Recreational Fishing Infrastructure in Louisiana, Gulf States Marine Fisheries Commission, 60th Annual Spring Meeting, Gulf Shores, AL, March 9-10, 2010.
- Caffey, R.H.** (2010) 2009 Recreation for Hire Survey of the U.S. Gulf of Mexico: Project Update, Gulf States Marine Fisheries Commission, 60th Annual Spring Meeting, Gulf Shores, AL, March 9-10, 2010.
- Caffey, R.H.** (2010) Status of Economic Research on Coastal Restoration: State of the Coast Conference, Presenter and session moderator, June 10, 2010
- Savolainen, M., **R. H. Caffey** and M. Freeman (2010) 2009 Economic Survey of the Recreational For-Hire Fishing Sector in the U.S. Gulf of Mexico, Challenges of Natural Resource Economics and Policy, the 3rd National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA, May 28, 2010.
- Caffey, R.H.** (2009) Economics Assessment of Rapid Land Building Technologies for Coastal Restoration, Coastal Restoration and Enhancement through Science and Technology, PI meeting, September 16, 2009.
- Caffey, R.H.** (2009) Gulf of Mexico Charter Boat Survey, Gulf States Marine Fisheries Commission Fisheries Economists Workshop, March 19, 2009, New Orleans, LA.
- Caffey, R.H.** and D. Petrolia (2009) "Economic Considerations of Diversions and Rapid Land-Building Projects", Barataria-Terrebonne National Estuary Program, 47th Management Conference, March 11, 2009.
- Caffey, R.H.** and D. Petrolia (2009) "Examining the Economics of Wetland Restoration", Southern Agricultural Economics Association, 2009 Annual Meeting, January 31-February 3, 2009, Atlanta, Georgia. 15 p. <http://purl.umn.edu/46844>
- Petrolia, D. R., Tae-goun, K., Moore, R.G. and **R.H. Caffey** (2009) "A Cost Analysis of Rapid Land-Building Technologies for Coastal Restoration in Louisiana", Southern Agricultural Economics Association, 2009 Annual Meeting, January 31-February 3, 2009, Atlanta, Georgia. 15 p. <http://purl.umn.edu/46844>
- Caffey, R.H.** (2008) Status of Coastal Wetland Restoration in Louisiana, Agricultural Leadership Development Program, January 6, 2009
- Petrolia, D. R., Tae-goun, K., Moore, R.G. and **R.H. Caffey** (2009) "Economic Assessment of Rapid Land-Building Technologies for Coastal Restoration", USACE – PIANC, Gulf Coast Hurricane Preparedness, Response, Recovery and Rebuilding Conference 2008, Mobile, Alabama, November 11-14, 2008
- Caffey, R.H.** (2008) Cost-Efficacy of Coastal Restoration Methods in Louisiana – A Focus on Vegetation Techniques, Current Status on Coastal Wetland Plant Research and Restoration Efforts, November 14, 2008, Rice Research Station, Crowley, LA

- Caffey, R.H.** and R. Bourriaque (2008) A Spatial Economic Analysis of Wetland Mitigation Banking in Louisiana, Marine Extension Quarterly Meeting, October 24, 2008, Crowley, LA.
- Caffey, R.H.** (2008) Infrastructure Damage Estimation from Hurricanes Gustav and Ike Using Biophysical and Economic Data, Marine Extension Quarterly Meeting, October 24, 2008, Crowley, LA.
- Caffey, R.H.** and G. Thomas (2008) Louisiana Fisheries Infrastructure Recovery Programming, 59th Gulf States Marine Fisheries Commission Meeting, March 11-13, Galveston, Texas
- Caffey, R.H.** (2008) Update from the Gulf of Mexico Region, Fisheries Extension Enhancement Review, National Sea Grant Headquarters, Silver Springs, MD, April 3, 2008.
- Caffey, R.H.** (2008) Excellence in Craft Awards, Louisiana Outdoor Writers Association Annual Meeting, October 15, 2008, Morgan City, LA.
- Caffey, R.H.** (2008) Preliminary Estimates of Economic Damages to Fisheries from Hurricanes Gustav and Ike: Revenue and Infrastructure Losses, Barataria-Terrebonne National Estuary Program, Management Conference, September 2008.
- Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly, (2007). "Louisiana Fisheries and the Hurricanes of 2007: Estimating Economic Damages to Infrastructure", American Fisheries Society, San Francisco, CA, September 2-7, 2007
- Caffey, R.H.** (2007) "Excellence in Craft 2007", Louisiana Outdoor Writers Association Annual Conference, St. Francisville, LA, August 18, 2007.
- Caffey, R.H.** and C. Aust (2007) "Marshaling the Social Sciences", Session moderator and Speaker, Plenary session, The 2<sup>nd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA, May 20-23, 2007.
- Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly, (2007). "Estimating the Economic Damage of Hurricanes Katrina and Rita on Commercial and Recreational Fishing Industries", American Agricultural Economics Association Annual Meeting, Portland, OR., July 29-August 4<sup>th</sup>, 2007
- Caffey, R.H.**, Aust, C. and H. Diop (2007). "What Benefits Are We Really After: Examining Cost-Efficacy and Project Selection within CWPPRA", Challenges of Natural Resource Economics & Policy: 2<sup>nd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA May 20-23, 2007
- Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly (2007). "Fisheries in Transition: Reconciling Economic Recovery and Ecosystem Restoration", Challenges of Natural Resource Economics & Policy: 2<sup>nd</sup> National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA May 20-23, 2007
- Caffey, R.H.** (2007). "Economic Assessment of Fisheries Infrastructure Damage from Hurricanes Katrina and Rita", First Fisheries Summit: Louisiana Fisheries in Transition, Louisiana Sea Grant College Program, February 27, 2007.
- Caffey, R.H.**, (2006). "Economic Resiliency and Recovery of Coastal Marine Fisheries", 3rd National Conference on Coastal and Estuarine Habitat Restoration, New Orleans, December, 2006.

- Caffey, R.H.**, (2006). "Economics in Selection and Assessment of Restoration Projects", 3rd National Conference on Coastal and Estuarine Habitat Restoration, New Orleans, December, 2006.
- Caffey, R.H.** (2006). "Economic Assessment of Fisheries Infrastructure Damage from Hurricanes Katrina and Rita", Status report presented to the Louisiana Recovery Authority, Nov 2, 2006.
- Caffey, R.H.** (2006). "The State of Gulf of Mexico Fisheries: Reconciling Disaster Recovery and Ecosystem Restoration", Munson Distinguished Lecture Series on Coastal Vulnerability, Yale University, New Haven, CT., October 18, 2006.
- Caffey, R.H.** (2006). "Functions, Values, and Delineation of Wetlands, Guest Lecture, Natural Resource and Environmental Policy, School of Renewable Natural Resources, October 2006
- Caffey, R.H.** (2006-2011). "Wetland Policy Crash Course", Guest Lecture, Louisiana State University, School of Renewable Natural Resources, October 6, 2006.
- Caffey, R. H.** and G. Thomas (2006). "Fisheries Impacts of Hurricanes Katrina and Rita", in Balancing Stakeholder Interactions: Responding to Social, Economic and Environmental Change in the Fishery, with Glenn Thomas, American Fisheries Society, Lake Placid, New York, September 2006.
- Caffey, R.H.** (2006). "Wetland Restoration Programming at Louisiana Sea Grant", Louisiana Sea Grant Program Assessment Team Review, September 12, 2006, Baton Rouge, LA.
- Caffey, R.H.** (2006). "Economic Assessment of Fisheries Infrastructure Damage from Hurricanes Katrina and Rita", Status report presented to the Louisiana Fisheries Community Recovery Coalition, August 30, 2006.
- Caffey, R.H.** (2006). "Excellence in Craft 2006", Louisiana Outdoor Writers Association Annual Conference, St. Francisville, LA, August 19, 2006.
- Caffey, R.H.**, Kazmierczak, R.F., Diop H., and W. Keithly (2006). "The Economics and Politics of Fisheries Disaster Recovery: Louisiana's Response to Hurricanes Katrina and Rita, IIFET 2006, International Institute of Fisheries Economics and Trade, Portsmouth, England, July 2006.
- Caffey, R.H.** (2006). "The Economics of Louisiana's Coastal Restoration Effort", Barataria-Terrebonne National Estuary Program Management Conference, May 31, 2006.
- Caffey, R.H.** (2006). "Large vs. Small Diversions: which give more benefits?", Coastal Restoration and Enhancement through Science and Technology (CREST), Riverine Process Re-establishment and Re-introduction Meeting, School of the Coastal and Environment, LSU, April 17, 2006.
- Caffey, R.H.** (2006). "Post-Katrina Fisheries Management Alternatives", National Oceanic and Atmospheric Administration, Post-Katrina Listening Session Series, Houma, La, April 12, 2006.
- Caffey, R.H.** (2006). "The State of the Fishery" Gulf of Mexico Sustainability Summit 2006, Gulf of Mexico Alliance Program and Harte Marine Research Institute, Corpus Christi, TX, March 29, 2006.

- Caffey, R.H** (2006) "Social Science Research Initiatives for Louisiana Universities", Moderator and Presenter, Louisiana Board of Regents Post-Katrina Summit, New Orleans, LA, February 3-4, 2006.
- Caffey, R.H** (2006). "Fisheries Impacts of Hurricanes Katrina and Rita", Louisiana Department of Wildlife and Fisheries, February 20, 2006.
- Caffey, R.H** (2006). "Fisheries Impacts of Hurricanes Katrina and Rita", with Glenn Thomas, Louisiana-Mississippi Chapter of the American Fisheries Society, Natchez, MS, February, 2005.
- Caffey, R.H** (2005). "Fisheries Impacts of Hurricanes Katrina and Rita", 35<sup>th</sup> Barataria-Terrebonne National Estuary Program Management Conference, Nichols State University, Thibodaux, LA. December 8, 2005.
- Caffey, R.H** (2005). "Functions, Values, and Delineation of Wetlands, Guest Lecture, Natural Resource and Environmental Policy, School of Renewable Natural Resources, November, 2005.
- Caffey, R.H** (2005). "Hurricane Recovery Resources," Louisiana Sea Grant Marine Extension Project quarterly meeting, Baton Rouge, LA, October 20, 2005.
- Caffey, R.H** (2005). "Hurricanes Katrina and Rita and Louisiana Coastal Wetlands," Guest Lecture, Natural Resource and Environmental Policy, School of Renewable Natural Resources, November 1, 2005.
- Caffey, R.H** (2005). "Hurricanes Katrina and Rita and Louisiana Coastal Wetlands," Guest Lecture, Louisiana State University Kiwanis Club, November 8, 2005.
- Caffey, R.H** (2005). "Post-Hurricane Public Participation and Planning for Coastal Louisiana", Moderator and Facilitator, Louisiana Department of Natural Resources, Baton Rouge, LA, October 2005.
- Caffey, R.H** (2005). "Near-Term Planning for Coastal Louisiana," Center for the Study of Public Health Impact of Hurricanes, Advisory Panel Meeting, Baton Rouge, LA, June 2005.
- Caffey, R.H** (2005). "Cost-Efficacy of Wetland Preservation and Restoration in Coastal Louisiana" co-authored with Christiane Aust, Coastal Zone '05, New Orleans, LA, July 2005.
- Caffey, R.H** (2005). "Economics and Coastal Restoration" National Centers for Coastal Ocean Science Retreat, University of Massachusetts-Amherst, Amherst, MA, February 23, 2005.
- Caffey, R.H** (2005). "The Evolution of Marine Extension and Socioeconomic Research," Presidents Forum on Meeting Coastal Challenges, Lod and Carole Cook Alumni Center, Baton Rouge, January 25, 2005.
- Caffey, R.H** (2005) "Coastal Access in Louisiana: The Case of Elmer's Island," LSU Agricultural Center Leadership Development Program, January 12, 2005, Baton Rouge, La.
- Caffey, R.H** (2004). "Functions, Values, and Delineation of Wetlands, Guest Lecture, Natural Resource and Environmental Policy, School of Renewable Natural Resources, November 22, 2004.
- Caffey, R.H** (2004). "Coastal Recreation for Coastal Restoration: The Case of Elmer's Island", 2004 Annual Conference of the American Water Resources Association, Orlando, FL, Nov. 1-4, 2004.

- Caffey, R.H** (2004). "Economic Impact Assessment: Linking Human Benefits to Barrier Island Restoration in Louisiana" October 14, 2004, Invited presentation, University of New Orleans.
- Caffey, R.H** (2004). "Human Dimensions and Coastal Restoration" Invited Speaker, 2nd National Conference on Coastal and Estuarine Habitat Restoration, September 12-15, 2004, Seattle, Washington.
- Caffey, R.H** (2004). "An Economic Perspective" Invited Speaker, Workshop for Monitoring the Human Dimensions Aspects of Coastal Restoration, University of Massachusetts-Amherst, April 3-6, 2004
- Caffey, R.H** (2004). "An Introduction to CNREP", Moderator and Speaker, Challenges of Socioeconomic Research in Coastal Systems: Valuation Policy and Analysis, May 27th and 28th, 2004, Louisiana State University
- Caffey, R.H** (2004). "Elmer's Island Coastal Preference Survey: A Preliminary Report", Co-authored with Krishna Paudel, Barataria-Terrebonne National Estuary Program, Nichols State University, Thibodaux, LA, February 19, 2004.
- Caffey, R.H** (2004). "The Center for Natural Resource Economics and Policy", Chief of Staff and Deputy Chief of Staff, Office of Congressman Billy Tauzin, Baton Rouge, LA February 5, 2004.
- Caffey, R.H** (2004). "Elmer's Island Coastal Preference Survey: A Preliminary Report", Louisiana Water Environment Association, Baton Rouge, LA, February 10, 2004.
- Caffey, R.H** (2004). "Wetland Resources at Risk in Central Louisiana", Presentation to National Wildlife Federation Executive Committee, Rockefeller Refuge, Grand Chenier, LA, January 31, 2004.
- Caffey, R.H** (2004). "Wetland Issues in South Central Louisiana", South Central Region Advisory Committee, LSU AgCenter, January 14, 2004, St. Gabriel, LA.
- Caffey, R.H** (2004). "Elmer's Island Coastal Preference Survey: A Preliminary Report" Red Stick Fly Fishing Association, January 13, 2004, Louisiana Department of Wildlife and Fisheries, Baton Rouge, LA.
- Caffey, R.H** (2003). "Elmer's Island Coastal Preference Survey: A Preliminary Report" Louisiana Sea Grant Executive Advisory Committee, December 11, 2003, Lod Cook Alumni Center, Baton Rouge, LA.
- Caffey, R.H** (2003). "Ground Zero or Zero Ground: Building Consensus on the Economic Threat," Panel Moderator: America's WETLAND Eco-Eco Summit: The Governor's Economic Summit on Coastal Erosion, Cox Academic Center, Louisiana State University, October 2003.
- Caffey, R.H** (2003). "Functions, Values, and Delineation of Wetlands", Guest Lecture, Natural Resource and Environmental Policy, School of Renewable Natural Resources, November 22, 2003.
- Caffey, R.H** (2003). "Session Moderator: "Wetland Policy: Section 404 and SWANCC", Society of Wetland Scientists, 24<sup>th</sup> Annual Conference, New Orleans, La 2003.

- Caffey, R.H** (2003). "Stewardship Incentives for Louisiana's Coastal Wetland Landowners", Louisiana Coastal Area Comprehensive Study Executive Stakeholder Meeting, August 8, 2003.
- Caffey, R.H** (2003). "A Case for Subvention of Private Landowners in the Louisiana Coastal Zone" Southern Agricultural Economics Association Annual Meeting, February 3, 2003 Mobile, Alabama
- Caffey, R.H** (2002). "Conservation Provisions of the 2002 Farm Bill", Legislative Staff Conference, Burden Research Plantation, Baton Rouge, La January 13, 2002.
- Caffey, R.H** (2002). "Fisheries and Fishermen: The Opportunity for a Third Delta - A Technical Review", Coauthored with M. Schexnayder, Nichols State University, September 17, 2002.
- Caffey, R.H** (2002). "Affects of Freshwater on Coastal Fisheries", Coauthored with M. Schexnayder, Acadiana Bays Restoration Meeting, Burden Research Center, April 22, 2002, Baton Rouge, La.
- Caffey, R.H.** (2002). 15h Annual Marsh Maneuvers Coastal Education Program, Coordinator/Manager, Grand Terre, La, July 11th- August 5th, 2002.
- Caffey, R.H** (2002). "Conservation Provisions of the 2002 Farm Bill", Agricultural Policy Summit, Department of Agricultural Economics and Agribusiness, LSU AgCenter, Louisiana State University, Alexandria, La, June 7, 2002, Baton Rouge, La.
- Caffey, R.H** (2002). "Reconciling Fisheries Management and Wetland Restoration in Coastal Louisiana", Coauthored with M. Schexnayder, The Coastal Society 2002 Conference, Converging Currents: Science, Policy, and Culture at the Coast, Galveston, TX, May 19 - 22, 2002.
- Caffey, R.H** (2002). "Floods, Fisheries, and River Diversions in Coastal Louisiana", *Coastal Water Resources*, a specialty conference of the American Water Resources Association, May 13-15, 2002, New Orleans, La.
- Caffey, R.H** (2002). "Diversions, Anti-diversions, and Coastal Fisheries in Louisiana" Basics of the Basin Research Symposium and the Gulf Estuarine Research Society, May 16-17, 2002, University of New Orleans.
- Caffey, R.H** (2002). "Economic and Environmental Implications of the Mississippi River Gulf Outlet", Co-authored with R. Gaude, B. D. Leblanc, and M. Schexnayder. Basics of the Basin Research Symposium and the Gulf Estuarine Research Society, May 16-17, 2002, University of New Orleans.
- Caffey, R.H** (2002). "Mississippi River Water Quality: Implications for Freshwater Diversions". Basics of the Basin Research Symposium and the Gulf Estuarine Research Society, May 16-17, 2002, University of New Orleans.
- Caffey, R.H** (2002). "An Overview of Louisiana Sea Grant Extension Issues", National Sea Grant Assembly of Program Coordinators, Baton Rouge, La March 18, 2002.
- Caffey, R.H** (2002). "Coastal Restoration and Coastal Fisheries in Louisiana", The Rotary Club of Alexandria, La, March 19, 2002.
- Caffey, R.H** (2001). "Natural Capital", Guest lecture in Environmental Advocacy, Fisheries 7029, Ben Aquaculture Research Experiment Station, Baton Rouge, LA November 2001.

- Caffey, R.H** (2002) "River Diversions: Will They Affect Fisheries?" International Work Boat Show, New Orleans, La, November 29, 2001
- Caffey, R.H** (2001). "Diversity and Value of Louisiana's Coastal Agriculture", Local Coastal Programs '01: Protecting, Restoring, and Enhancing Coastal Resources Symposium, Lafayette, LA October 24, 2001.
- Caffey, R.H** (2001). "Conservation and Environmental Provisions of the Farm Bill", 2002 Farm Bill and Louisiana Agricultural Policy, Department of Agricultural Economics and Agribusiness, LSU AgCenter, Louisiana State University Student Union, October 4, 2001, Baton Rouge, La.
- Caffey, R.H** (2001). "Economics Implications of Coastal Land Loss in Louisiana", Coastal Summit 2001, Pennington Biomedical Research Facility, August 15<sup>th</sup>, 2001, Baton Rouge, La.
- Caffey, R.H** (2001). "Closing the Mississippi River Gulf Outlet: Environmental and Economic Implications", National Association of State Wetland Managers, Baton Rouge, La June 19, 2001.
- Caffey, R.H.** (2001). 14th Annual Marsh Maneuvers Coastal Education Program, Coordinator/Manager, Grand Terre, La, July 11th- August 5th, 2001.
- Caffey, R.H** (2001). "Status and Trends of Key Indicators for the Barataria-Terrebonne National Estuary System", A Pressure-State-Response Approach, Session Chair: *Eutrophication, Pathogens, and Toxins*, June 13-14, 2001, Baton Rouge, La.
- Caffey, R.H** (2001). "Economic Implications of Coastal Marsh Die-back", Socioeconomic Session (Chair): Coastal Marsh Dieback Symposium, Sponsored by the National Wetland Research Center, United States Geological Survey, January 11-12, 2001, Baton Rouge, La.
- Caffey, R.H** (2001). Pending Hypoxia Policy and a Draft Resolution of the Mississippi River Basin Alliance: Jefferson Parish Marine Advisory Committee, New Orleans, La, February 15th, 2000.
- Caffey, R.H** (2001). "Environmental and Economic Implications of the Caernarvon Freshwater Diversion Structure on Commercial Fisheries", Sea Grant Education and Advisory Meeting, LSU, Baton Rouge, La, February 22, 2000.
- Caffey, R.H** (2001). "Wetlands in the Marketplace" National Association of Retired Federal Employees (NARFE), Baton Rouge, LA, February 17th, 2000.
- Caffey, R.H** (2001). "The Sea Grant Marine Extension Project: Sea Grant Marine Advisory Booth, Louisiana Sportsman Show, New Orleans, La, March, 17th, 2000.
- Caffey, R.H.** (2000). "Economics and Marketing of Aquatic Species", guest lecture, Fisheries 4022, LSU Department of Forestry, Wildlife, and Fisheries, May 5th, 2000.
- Caffey, R.H** (2000). "Coastal-Based Research Extension in the Louisiana Sea Grant College Program: NOAA Coastal Restoration Conference, Baltimore, MD March 21st, 2000.
- Caffey, R.H.** (2000). "Building Banks in Wetlands", Sea Grant Advisory Meeting, Cocodrie, LA, August 2000.
- Caffey, R.H.** (2000). "Building Banks in Wetlands", Sierra Club, Louisiana Chapter, Louisiana Department of Wildlife and Fisheries, LA, February 2000.

- Caffey, R.H.** (2000). "Commercial Production of Native Vegetation for Wetland Restoration and Mitigation", Continuing Forestry Education Symposium, Hammond, La, May 9th, 2000.
- Caffey, R.H.** (2000). Wetland Research and Extension in the AgCenter: Louisiana Legislative Fete, State Capitol, Baton Rouge La, May 23rd, 2000.
- Caffey, R.H.** (2000). "Update on the Conservation and Re-investment Act of 2000", Sea Grant Marine Extension Project Advisory Meeting, June 22nd, 2000.
- Caffey, R.H.** (2000). "Expanding Initiatives: GIS and Electronic Dissemination", Sea Grant Marine Extension Project Advisory Meeting, June 22nd, 2000.
- Caffey, R.H.** (2000). "Integrating Research, Extension, and Teaching: The Ag Econ Perspective", Department of Agricultural Economics and Agribusiness Faculty Retreat, Pennington Biomedical Research Center, June 26th, 2000.
- Caffey, R.H.** (2000). 13th Annual Marsh Maneuvers Coastal Education Program, Coordinator/Manager, Grand Terre, La, July 11th- August 5th, 2000.
- Caffey, R.H.** (2000). "Coastal Wetlands Planning Preservation and Restoration Act, Citizens Participation Group: Facilitator, New Orleans District Corps of Engineers, August 3rd, 2000.
- Caffey, R.H.** (2000). "Economic Impact of Salvinia on Waterfowl Hunting", Salvinia Task Force Press Conference, Rockefeller Refuge, September 6th, 2000.
- Caffey, R.H.** (2000). "7th Annual Warren Mermilliod Advanced Coastal Education Program: Coordinator/Manager, La, July 11th- August 5th, 2000.
- Caffey, R.H.** (2000). "Wetlands, Coastal Restoration, and Fisheries: Educational Display at 3rd Annual Ocean Commotion Program sponsored by Louisiana Sea Grant, October 12, 2000.
- Caffey, R.H.** (2000). "Update on "Brown Marsh" Crisis and MRGO Closure: Sea Grant Marine Extension Project Advisory Meeting, June 22nd, 2000.
- Caffey, R.H.** (2000). "Louisiana Wetlands: Functions and Values", Louisiana Universities Marine Consortium, Adult Marsh Maneuvers Coastal Education Program, April 14<sup>th</sup>, 2000.
- Caffey, R.H.** (1999). 12th Annual Marsh Maneuvers Coastal Education Program, Coordinator/Manager, Grand Terre, La, July 11th- August 5th, 1999.
- Caffey, R.H.** (1999). "Wetlands Resources and the Louisiana Cooperative Extension Service", Leadership Lafourche, Galliano, LA, March 1999.
- Caffey, R.H.** (1999). "Coastal Wetland Plant Materials Symposium: Facilitator/Organizer, National Wetland Research Center, Lafayette, La, April 27th, 2000 Louisiana.
- Caffey, R.H.** (1999). "Louisiana Wetlands: Issue of Public and Private Use", Local Coastal Programs '99, Louisiana Department of Natural Resources, Lafayette, LA, April 1999.
- Caffey, R.H.** (1998). "Developing and Using Consensus Indicators of Sustainability in Aquaculture Production", International Institute of Fisheries Economics and Trade Biannual Meeting, Tromso, Norway, July 1998.
- Caffey, R.H.** (1998). "Markets for Fish Sperm: The Point of Conception", World Aquaculture '98, Las Vegas, NV. February 1998.

- Caffey, R.H** (1998). "An Economic Case Study of the Production of Hybrid Striped Bass with Cryopreserved Sperm", Joint meeting of the Louisiana and Mississippi Chapters of the American Fisheries Society, Pass Christian, MS, January 1998.
- Caffey, R.H** (1997). "A Model for Quantifying Sustainability in Aquaculture, World Aquaculture '97, Seattle, WA, February 1997.
- Caffey, R.H** (1997). "Cost Analysis of Integrating Cryopreservation into an Existing Fish Hatchery", World Aquaculture '97, Seattle, WA, February 1997.
- Caffey, R.H** (1995). "Sustainability of Crawfish Aquaculture", Sustainable Aquaculture'95, Pacific Congress on Marine Science and Technology. Honolulu, HI, June 1995.
- Caffey, R.H** (1995). "A Bioenergetic Model of Tilapia Growth in Response to Changes in Food Quantity and Quality", World Aquaculture'95, San Diego, CA, February, 1995.
- Caffey, R.H** (1995). "Modeling the Effects of Ammonia Nitrogen Production on a Recirculating Tilapia Production System". World Aquaculture '95, San Diego, CA, February, 1995.
- Caffey, R.H** (1994). "Factors Influencing Technology Adoption in a Louisiana Aquaculture System" Southern Agricultural Economics Association, Nashville, TN, January 1994.
- Caffey, R.H** (1994). "Firm Characteristics and the Use of Closed Systems. World Aquaculture'94, New Orleans, LA, December 1994.
- Caffey, R.H** (1993). "A Profile of the Louisiana Soft-Shelled Crab Industry", Louisiana Aquaculture Conference, Baton Rouge, LA., February 1993.
- Caffey, R.H** (1993). "A Profile of the Louisiana Soft-Shell Crab Industry". Agriculture Economics Session, Southwestern Society of Administrative Disciplines, New Orleans, LA, March 1993.
- Caffey, R.H** (1992). "Alternative Uses for Soft-Shell Crawfish Shedding Facilities". Louisiana Aquaculture Conference, Baton Rouge, LA, January 1992.
- Caffey, R.H** (1991). "Soft-Shell Crawfish Industry Outlook", Aquaculture Expo V, New Orleans, LA. December 1991.
- Caffey, R.H** (1990). "Marketing Soft-Shell Crawfish", Fish Farming Expo IV, New Orleans, LA. December, 1990.
- Caffey, R.H** (1989). "The Economics of Soft-Shell Crawfish Production", Fish-Farming Expo III, New Orleans, LA. December 1989.
- Caffey, R.H** (1989). "Marketing Round-Table: Soft-Shell Crawfish", Louisiana Aquaculture Conference, Baton Rouge, LA, January 1989.
- Caffey, R.H** (1988). "An Economic Analysis of Alternative Soft-Shell Crawfish Production Facilities" American Agriculture Economics Association, Knoxville, TN, August 1988.

## **PARTICIPATION AND LEADERSHIP IN PROFESSIONAL ORGANIZATIONS/COMMITTEES**

### **Current\* and Previous Membership in Professional Organizations**

American Agricultural Economics Association\*  
Southern Agriculture Economics Association\*  
International Association of Fisheries Economics and Trade\*  
Society of Wetland Scientists\*  
American Fisheries Society\*  
Louisiana Outdoor Writers Association\*  
Soil and Water Conservation Society  
International Coastal Society  
World Aquaculture Society  
Gamma Sigma Delta Honor Society  
Aquaculture Engineering Society  
Association of Natural Resource Extension Professionals  
American Water Resources Association

### **Peer Reviewer: Proposals**

North Gulf of Mexico Institute  
Mississippi-Alabama Sea Grant Consortium Omnibus  
South Carolina Sea Grant Consortium Omnibus  
Coastal Storms Program Coastal Impact Assessment Program  
Louisiana Sea Grant College Program  
Louisiana Agricultural Experiment Station  
United States Fish and Wildlife Service  
National Fish and Wildlife Foundation  
USDA Special Aquaculture Grants Program  
Coastal Restoration and Enhancement through Science and Technology  
Saltonstall-Kennedy Grant Program  
National Sea Grant Aquaculture Program

### **Peer Reviewer: Publications**

Proceedings of the American Water Resources Association  
Journal of Aquaculture Economics & Management  
Journal of Agricultural and Applied Economics  
Journal of the World Aquaculture Society  
Journal of Shellfish Research  
Journal of World Development  
International Journal of Aquaculture  
Louisiana Agricultural Experiment Station

### **Committee Participation: University, Federal, State, and Local**

Louisiana Board of Regents  
    Post-Katrina Response Planning Committee (2006-2007)  
Louisiana State University  
    Affiliate Member: Graduate Faculty (1999-2001)  
    Associate Member: Graduate Faculty (2005-2010)  
LSU Department of Agricultural Economics & Agribusiness  
    Student and Alumni Recognition Committee (2000-2007)  
    Internet and Website Committee (2001-2006)  
    Extension-Research Integration Committee (2000)  
    Co-Chair: CNREP 2004 National Conference Committee (2004)  
    Co-Chair: CNREP 2007 National Conference Committee (2007)  
    Numerous other CNREP committees (2003-2007)  
LSU Agricultural Center

Coordinator (P.I): Marsh Maneuvers 4-H Coastal Education Program (1998-2003)  
 Extension Directors Advisory Committee (2004-2005)  
 Annual Conference Awards Committee (2003-2005)  
 Presidents' Forum Executive Committee (2005)  
 Coastal Enhancement Team (2003-2004)  
 Extension Director's Advisory Committee (2005-2006)  
 LSU/USDA Aquaculture Special Grants Review (2002, 2003, 2005)  
 Louisiana Wetland Plant Materials Advisory Committee (1999-2001)  
 Louisiana Fisheries Museum Committee (1998-2001)  
 Mermentau River Basin Water Resources Committee (1999-2000)  
 Gamma Sigma Delta Distinguished Achievement Award Committee (2002)

Louisiana Sea Grant College Program

- Regional Fisheries Extension Enhancement Committee (2006-2007)
- Seagrantfish/Hurricane Recovery Committee (2003, 2005)
- Levee School Planning Committee (2006, 2007)
- Ocean Commotion Exhibitor (1999-2006)
- Earth Day Committee (2000-2003)

Louisiana Department of Wildlife and Fisheries

- Louisiana Fishing Community Recovery Coalition (2005-2009)

Louisiana Department of Natural Resources

- Coastal Impact Assessment Program Committee (2001, 2006)
- Science Education and Research Team (SERT), Louisiana Comprehensive Coastal Area Ecosystem Restoration Study, 2007

Louisiana Governors Office of Coastal Activities

- Applied Science Request for proposals Committee (2004)

Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA)

- Public Outreach Committee (1999-2007)
- Citizens Participation Group (1999-2000)
- WaterMarks* Editorial Board (2001-2007)

Barataria Terrebonne National Estuary Management Program

- Management Conference (1999-2007)
- Scientific Advisory Committee (1999-2007)
- Numerous planning committees (1999-2007)

USDA/Natural Resource Conservation Service

- Trade Adjustment Act Regional Planning Team (2010-2011)
- State Wetlands Advisory Committee (1999-2007)
- W2004 Fisheries Multistate Economics Working Group (2005-2011)

National Oceanic and Atmospheric Association (NOAA)

- Coastal Restoration Network (1999-2001)
- Listserv Coordinator for NOAA "RestNet" Communication Group (1999-2007)
- CREST, Public Outreach (2002)
- Northern Gulf Institute (2010)

National Sea Grant College Program

- Coastal Wetlands Theme Team (2002)
- Sea Grant/AFS Symposium Planning (2007-2008)

Louisiana Outdoor Writers Association

Awards Committee (2005-2007)  
Board of Directors (2005-2007)  
Annual Conference Planning Committee (2007)  
Additional Advisory Services\* to Local Governments and NGOs (1998-2007)  
Acadian Bays Association  
America's Wetland  
Cameron Parish Coastal Zone Advisory Committee  
Coalition to Restore Coastal Louisiana  
Coastal Conservation Association  
Ducks Unlimited  
East Ascension Sportsman's League  
Gulf Intracoastal Canal Association  
Jefferson Parish Coastal Zone Advisory Committee  
LaDNR Coastal Management Division  
Lafourche Levee Board  
Lake Ponchartrain Basin Foundation  
Louisiana Association of Professional Biologists  
Louisiana Catfish Promotion Board  
Louisiana Charter Boat Association  
Louisiana Forestry Association  
Louisiana Landowners Association  
Louisiana Local Coastal Programs Advisory Committee  
Louisiana Seafood Promotion and Marketing Board  
Louisiana Sportsman Show  
Louisiana Wetland Plant Producers Association  
Louisiana Wildlife Federation  
LSU Kiwanis Club  
Mermentau River Basin Alliance  
National Wildlife Federation  
Nature Conservancy  
Parishes Against Coastal Erosion  
Plaquemine Parish Coastal Zone Advisory Committee  
Red Stick Fly Fishers Association  
Restore or Retreat (Lafourche Parish)  
Rotary International  
Sierra Club  
St. Bernard Parish Coastal Zone Advisory Committee  
St. Tammany Coastal Zone Advisory Committee  
Vermilion Parish Coastal Zone Advisory Committee

**CONTINUED COURSEWORK, IN-SERVICE TRAINING, SABBATICALS, PROFESSIONAL IMPROVEMENT**

Extension Program Development Training  
EXT 7122: Extension Education  
Spring 1999

ArcView 3.2 GIS Training  
National Wetland Research Center, June 2001  
LSU Continuing Education, September 2000

SONRISE Internet Mapping System Training  
Louisiana Department of Natural Resources, Spring, 2002

Wetland Delineation Certification Training  
United States Army Corps of Engineers  
National Wetland Research Center  
Bluebonnet Nature Center, Baton Rouge, LA, March 1999

Licensed Charter Captain  
United States Coast Guard  
100 Nautical Mile OUPV Certification  
Owner-Operator, Imperial Charters, Inc., Baton Rouge, Louisiana, 1995 -2000

## **PARTICIPATION IN PUBLIC POLICY AND COMMUNITY ISSUES**

Legislative staff briefings on Calcasieu Lake Oyster Management (with Kevin Savoie) Spring 2011

Legislative staff briefings on Hurricane Impacts to Louisiana Fisheries, 2006 and 2008

Legislative staff briefings on farm Conservation Policy, Fall and Spring 2007

Legislative testimony on economic damages to fisheries infrastructure, Louisiana Recovery Authority, November 2<sup>nd</sup>, 2006 and May 3<sup>rd</sup>, 2007

*LaFete* committee and participation, Agriculture and Natural Resource Educational forum for Louisiana legislators, 2001, 2002.

Principle economic advisor for fisheries infrastructure assessment and recovery, Louisiana Recovery Authority and the Louisiana Fishing Community Recovery Coalition, 2005-2007

Member, Science Education and Research Team (SERT), Louisiana Comprehensive Coastal Area Ecosystem Restoration Study, 2007

Lead Author, "Near Term Needs for Applying Knowledge and Learning for the Future in the Wake of Hurricanes Katrina and Rita", submitted to the Louisiana Governor's Coastal Advisory Commission, December 2005

Member, Science and Technology Coordination Team (SCT), Louisiana Comprehensive Coastal Area Ecosystem Restoration Study, 2005

Panel Moderator for "Ground Zero or Zero Ground: Building Consensus on the Economic Threat," America's WETLAND Eco-Eco Summit: The Governor's Economic Summit on Coastal Erosion, Cox Academic Center, Louisiana State University, October 2003.

## **AWARDS/RECOGNITION**

- **APEX Award of Excellence in Communications**, Reflections on Chandeleur Web-film documentary website, with Paula Ouder and Melissa Castleberry, Louisiana Sea Grant Communications Office, July 2010
- **SAEA 2009 First Place Poster** with Guidry, K.M, Caffey, R.H, and M. Fannin (2009) How Big is the Number and Why Should We Care? An Evaluation of Methods Used to Measure Economic Impacts to the Food and Fiber System from the 2008 Hurricane Season, Southern Agricultural Economics Association, 2009 Annual Meeting, January 31-February 3, 2009, Atlanta, Georgia.
- **CSREES Partnership Award**, for *After the Storms*. Innovative Programming in the wake of Hurricanes Katrina and Rita, Group award with LSU Agricultural Center, 2008.
- **Munson Distinguished Lecture Series on Coastal Vulnerability**, Yale University, New Haven, CT., October 18, 2006.
- **Invited Lecture**, Gulf of Mexico Sustainability Summit 2006, Gulf of Mexico Alliance Program and Harte Marine Research Institute, Corpus Christi, TX, March 29, 2006.
- **Keynote Address** – National Forum on the Human Dimensions Aspects of Coastal Restoration, National Centers for Coastal Ocean Science, University of Massachusetts-Amherst, Amherst, MA, February 23, 2005.
- **APEX Award of Excellence in Communications**, Louisiana Hurricane Recovery Resources Web Site. Group award with Louisiana Sea Grant Communications Office, July 2006.
- **Coastal Stewardship Award**, Coalition to Restore Coastal Louisiana, Baton Rouge, LA, May 2006.
- **Louisiana Conservation Educator of the Year**, Louisiana Wildlife Federation and National Wildlife Federation, Alexandria, LA, March 2006.
- **Best-Poster Award**, “Working Lands Programs: Potential Tools for Conserving Agricultural Wetlands” Coauthored with J. Westra and J. Huner, Southern Agricultural Economics Association, Little Rock, Arkansas, February 2005
- **Coastal America Partnership Award**, group award with the Coastal Wetlands Planning, Protection and Restoration Act, Louisiana Conservation and Restoration Task Force, New Orleans, LA, August 2004.
- **Conservation Achievement Award**, Environmental Communication Division, group award with the Louisiana Sea Grant Marine Extension Project, Louisiana Wildlife Federation, Baton Rouge, LA, February 2004.
- **Excellence Award for Environmental Education**, U.S. Environmental Protection Agency (EPA) Region 6 Administrator’s Environmental, Marsh Maneuvers Coastal Education Program, October 1999.
- **Best Student Abstract Award**, Co-authored Bradford Miller, Eyestalk Ablation for the Production of Soft-shell Crawfish: Economic Considerations. Aquaculture America U.S. Chapter World Aquaculture Society, 2000, Tampa, FL.
- **Best Student Paper**, World Aquaculture Society for paper *entitled “Markets for Fish Sperm: the Point of Conception”*, co-authored by Terrence R. Tiersch, World Aquaculture ’98, Las Vegas, NV, 1998.

- **Best Student Abstract**, World Aquaculture Society for poster entitled "*Indicators of Aquaculture Sustainability: A Delphi Survey*", co-authored with R. K. Kazmierczak, R. P. Romaine, and J. W. Avault, World Aquaculture '98, Las Vegas, NV, 1998.
- **Student Paper Award**, Honorable Mention, World Aquaculture Society for paper entitled "*A Model for Quantifying Sustainability in Aquaculture*", co-authored by Richard F. Kazmierczak, Robert P. Romaine, and James W. Avault, World Aquaculture '97, Seattle, WA, 1997.
- **Student Poster Award**, Honorable Mention, Southern Agriculture Economics Association for the poster titled "*Management Ability and the Economics of Recirculating Aquaculture Systems*", co-authored by Richard F. Kazmierczak, New Orleans, LA, 1995.
- **Student Paper Award**, Honorable Mention, American Agriculture Economics Association for paper titled "*An Economic Analysis of Alternative Soft-Shell Crawfish Production Facilities*", Knoxville, TN, 1988.
- **President**, LSU Agriculture Economics Graduate Student Association 1992
- **President**, LSU Agriculture Economics and Agribusiness Student Association 1987
- **Outstanding Senior**, Department of Agricultural Economics and Agribusiness 1988

#### **MULTI-INSTITUTION, AGENCY, AND STATE COLLABORATION**

"Integrating Revealed and Stated Preference Approaches for Ecosystem Service Valuation, Submitted to Gulf Regional Sea Grant Funding Initiative, Mississippi-Alabama Sea Grant Consortium, with Mississippi State University and LSU School of Coast and Environment (pending).

"Economic Assessment of Rapid Land-Building Techniques for Coastal Restoration"  
A research collaboration with Mississippi State University, supported by the Coastal Restoration and Enhancement through Science and Technology (CREST) program, 2007-2009

Regional Sea Grant Marine Extension Planning and Regional Coordination of Sea Grant Fisheries Extension Enhancement, collaboration with Sea Grant programs in Florida, Alabama, Mississippi, and Texas, 2007-2008

"Designing Incentives for Private Maintenance and Restoration of Coastal Wetlands"  
A research collaboration with Woods Hole Oceanographic Institute supported by the Environmental Protection Agency STAR Grant Program, 2004-2007

"Benefits and Costs of Resource Policies Affecting Public and Private Lands", U.S. Department of Agriculture - Hatch (Multi-State) Project Funds, 2000-2001

National Forum on the Human Dimensions Aspects of Coastal Restoration,  
Strategic Planning with University of Massachusetts Amherst, supported by the National Centers for Coastal Ocean Science, 2004

#### **OTHER SCHOLARLY OR CREATIVE ACTIVITIES AND CONTRIBUTIONS**

**Caffey, R.H.** and P. Ouder (2007) "A Reflection of Chandeleur", web-film and historical archive dedicated to the Chandeleur Lighthouse (circa 1895- August, 29, 2005), Louisiana Sea Grant College Program <http://www.laseagrant.org/lighthouse/index.html>

## **OTHER SERVICE ACTIVITIES**

### **Organizations advised**

Extension advisory services provided to more than 40 academic and industry advisory committees since 1998.

### **Recruitment of Students and Faculty**

Grant and contract funding for 16 temporary positions:

#### **Assistant Research Professors (1)**

National Sea Grant Fisheries Extension Enhancement program  
Non-tenure track, 5-years (2004-2009)

#### **Postdocs (2)**

National Sea Grant Fisheries Extension Enhancement program  
Non-tenure track, 5-years (2009-2011)  
NOAA-Fisheries Socioeconomics Grant

#### **Graduate Research Assistants (7)**

*Assistantship funding via:*

National Oceanic Atmospheric Administration (NOAA-Fisheries 2008)  
Louisiana Sea Grant College Program (2005 - 2007)  
LSU Agricultural Center Division of International Programs (2005, 2006)  
Coastal Wetland Planning, Preservation, and Restoration Act (2001)  
Coastal Restoration and Enhancement through Science & Technology (2007)

#### **Research Associates (2)**

Louisiana Sea Grant College Program (2006, 2007)

#### **Extension Associates (1)**

Coastal Wetland Planning, Preservation, and Restoration Act (2001)

#### **Extension Transient Workers (3)**

Barataria-Terrebonne National Estuary Program (1999- 2003)

Participation on search committees:

#### **Director of Marine Extension – La Sea Grant College Program**

Selection Committee Chair, 2009, 2011

#### **Assistant Professor: Research/Extension, La Sea Grant College Program and LSU School of Renewable Natural Resource**

Selection Committee, 2009

#### **Postdoctoral Researcher - Center for Natural Resource Economics & Policy/La Sea Grant, Fisheries Extension Enhancement**

Selection Committee Chair, 2009

**Postdoctoral Researcher - Center for Natural Resource Economics & Policy/La Sea Grant, Commercial Fisheries Economics**

Selection Committee Chair, 2009

**Assistant Professor - Agronomy/Environmental Programs**

Selection Committee Member, 2004

**Assistant/Associate - LA Sea Grant, MEP Agent – St. Mary Parish, St. Tammany Parish, Lafourche Parish, Orleans Parish, Plaquemines Parish**

Selection Committee Chair, 2007, 2010, 2011

**Assistant Professor - LA Sea Grant, MEP Seafood Technologist**

Selection Committee Member, 2008

**Assistant Professor - LA Sea Grant, MEP Fisheries Specialist**

Selection Committee Member, 2008

**Assistant Professor, Research - Center for Natural Resource Economics & Policy/La Sea Grant, Fisheries Extension Enhancement**

Selection Committee Chair, 2004

**University Service**

Participation on more than 45 university committees since 1998.

**Other External and Community service**

Parent Volunteer, Pack 50 Istrouma Council, Boy Scouts of America, 2000-2006

Assistant Youth Basketball Coach YMCA, 2004

Assistant Youth Baseball Coach, YMCA, 2002-2004

Volunteer Parent/Coach, Louisiana Science Olympiad, 2007

Assistant Youth Baseball Coach, American Legion, 2005-2008

## RESUME

### FRANK A. WARD

Professor of Water Policy  
Department of Agricultural Economics and Agricultural Business  
New Mexico State University  
Box 30003, Dept. 3169  
Las Cruces, New Mexico 88003  
Telephone: (505) 646-1220  
email: [fward@nmsu.edu](mailto:fward@nmsu.edu)  
NMSU webpage: <http://agecon.nmsu.edu/fward/water/>  
April 2012

#### EDUCATION:

Ph.D. Colorado State University, 1978, Economics  
M.S. Colorado State University, 1975, Economics  
B.S. Colorado State University, 1970, Economics

#### PROFESSIONAL EXPERIENCE:

Professor, New Mexico State University, 1988 to present.  
Associate Professor, New Mexico State University, 1983 to 1988.  
Assistant Professor, New Mexico State University, 1978 to 1983.

#### SUMMARY OF RECENT WORK:

Dr. Ward is a Professor in the department of Agricultural Economics and Agricultural Business at New Mexico State University. His recent work has looked at conservation and economically efficient use of water resources with special emphasis on irrigated agriculture. It also includes policy planning, program formulation for water resources development, analysis of water resource systems, and institutional strengthening. Additional contributions to research and teaching lie in economic evaluation of policies for development and allocation of water, including development of methods to conduct economic appraisals; developing interdisciplinary approaches to analysis of water policy issues; concepts and methods of valuing environmental water services. Dr. Ward has conducted integrated hydrologic-agronomic-institutional-economic analyses to support sustainable water basin management and policy analysis. His recent work on integrated river basin analysis has been applied to the Rio Grande Basin of North America and to the Tigris-Euphrates, Jordan, Nilufer, Murray-Darling, Nile, and Amu Darya. He has published extensively on water resources, including more than 50 peer-reviewed journal articles in water resources systems analysis and policy, environmental management, and irrigation economics. He has authored 2 books on the economics of natural resources and the environment. He served as associate editor for *Water Resources Research* from 1991-2000 and the *Journal of Hydrology* from 2008-2011. Selected recent research papers are posted at <http://agecon.nmsu.edu/fward/water/>.

**PEER REVIEWED ARTICLES SINCE 2002** (Excludes published abstracts and conference proceedings)

Ward, F.A. and M. Pulido-Velazquez (2012) , Economic Costs of Sustaining Water Supplies: Findings from the Rio Grande, *Water Resources Management*, 2012, forthcoming.

Ward, F. A. (2012), Cost Benefit and Water Resources Policy: A Survey, *Water Policy*, 14(2), 250-280.

Dagnino, M., and F. A. Ward (2012), Economics of Agricultural Water Conservation: Empirical Analysis and Policy Implications, *International Journal of Water Resources Development*, in press.

Ramirez, O. A., F. A. Ward, R. Al-Tabini, and R. Phillips (2011), Efficient Water Conservation in Agriculture for Growing Urban Water Demands in Jordan, *Water Policy*, 13(1), 1-24.

Gohar, A. A., and F. A. Ward (2011), Gains from Improved Irrigation Water Use Efficiency in Egypt, *International Journal of Water Resources Development*, 27(4), 735-758.

DeMouche, L., S. Landfair, and F. A. Ward (2011), Water Right Prices in the Rio Grande: Analysis and Policy Implications, *International Journal of Water Resources Development*, 27(2), 291-314.

Ward, F. A. (2010), Financing Irrigation Water Management and Infrastructure: A Review *International Journal of Water Resources Development*, 26, 321-349.

Torell, G. L., and F. A. Ward (2010), Improved Water Institutions for Food Security and Rural Livelihoods in Afghanistan's Balkh Basin, *International Journal of Water Resources Development*, 26(4), 613-637.

Gohar, A. A., and F. A. Ward (2010), Gains from Expanded Irrigation Water Trading in Egypt: An Integrated Basin Approach, *Ecological Economics*, 69, 2535-2548.

Ward, F. A., and M. Pulido-Velazquez (2009), Incentive Pricing and Cost Recovery at the Basin Scale, *Journal of Environmental Management*, 90, 293-313.

Ward, F. A. (2009), Economics in Integrated Water Management, *Environmental Modelling and Software*, 24, 948-958.

Gürlük, S., and F. A. Ward (2009), Integrated Basin Management: Water and Food Policy Options for Turkey, *Ecological Economics*, 68, 2666-2678.

Brinegar, H., and F. A. Ward (2009), Basin Impacts of Irrigation Water Conservation Policy, *Ecological Economics*, 69, 414-426.

Ward, F. A., and M. Pulido-Velazquez (2008), Efficiency, Equity, and Sustainability in a Water Quantity-Quality Optimization Model for the Rio Grande Basin, *Ecological Economics*.

Ward, F. A., and M. Pulido-Velazquez (2008), Water Conservation in Irrigation Can Increase Water Use, *Proceedings of the National Academy of Sciences of the U.S.A.*, 105(47), 18215-18220.

Ward, F. A., M. J. Kealy, G. Guy, and L. Manning (2008), Efficient Conservation Measures in Irrigated

Agriculture to Sustain Urban and Environmental Water Demands, *Review of Agricultural Economics*, 30(3), 425-434.

Ward, F. A., A. M. Michelsen, and L. DeMouche (2007), Barriers to Water Conservation in the Rio Grande Basin, *Journal of the American Water Resources Association*, 43, 237-253.

Ward, F. A. (2007), Decision Support for Water Policy: A Review of Economic Concepts and Tools, *Water Policy*, 9, 1-31.

Ward, F. A., A. M. Michelsen, and J. F. Booker (2006), Integrated Economic, Hydrological, and Institutional Analysis of Policy Responses to Mitigate Drought Impacts in the Rio Grande Basin, *Journal of Water Resources Planning and Management*, 488-502.

Ward, F. A., B. H. Hurd, T. Rahmani, and N. Gollehon (2006), Economic Impact of Federal Policy Responses to Drought in the Rio Grande Basin *Water Resources Research*, 4427-4440.

Ward, F. A., and J. F. Booker (2006), Economic impacts of instream flow protection for the Rio Grande silvery minnow in the Rio Grande basin, *Reviews in Fisheries Science*, 14(1-2), 187-202.

Hooper, B., and F. A. Ward (2006), River Basin Governance: Challenges and Opportunities for the Rio Grande Basin, *Western Economic Forum*, 4.

Booker, J. F., A. M. Michelsen, and F. A. Ward (2005), Economic impact of alternative policy responses to prolonged and severe drought in the Rio Grande Basin, *Water Resources Research*, 41(2), W02026.

Ward, F. A., and J. F. Booker (2003), Economic costs and benefits of instream flow protection for endangered species in an international basin, *Journal of the American Water Resources Association*, 39(2), 427-440.

Cowley, D. E., F. A. Ward, R. Deitner, and M. D. Hatch (2003), Optimizing the allocation of hatchery-produced fish among multiple stocking sites, *North American Journal of Fisheries Management*, 23(1), 216-229.

Ward, F. A., and A. M. Michelsen (2002), The Economic Value of Water in Agriculture: Concepts and Policy Applications, *Water Policy*, 4(5), 423-446.

#### **BOOKS (Commercially Published)**

Ward, F.A. 2006. *Environmental and Natural Resource Economics*. Prentice-Hall.

Ward, F.A. and D.J. Beal. 2000. *Valuing Nature with Travel Cost Models*. Edward Elgar (UK).

#### **CONTRACTS AND GRANTS (since 2000)**

Monitoring and Forecasting Climate, Water, and Land Use for Food Production in Iraq, US Geological Survey, 2011-13, \$230,000 per year (\$30,000 per year for NMSU); PI.

Monitoring and Forecasting Climate, Water, and Land Use for Food Production in Afghanistan, US Geological Survey, 2008-13, \$260,000 per year (\$30,000 per year for NMSU); PI.

“Afghanistan Water, Agriculture, and Technology Transfer,” Funded by USAID for \$20 million, 2008-11. NMSU is lead institution. Partner institutions are Colorado State University, University of Illinois, and Southern Illinois University; Co-PI.

“Development of a Database for New Mexico Water Right Prices,” Funded by the New Mexico Water Resources Research Institute, \$30,000, 2008-09.

“Economically Sustainable Agricultural Water Conservation Policies in the Rio Grande Basin,” Funded by U.S. Congress - Rio Grande Basin Initiative, for \$200,000, 2004-07, PI.

“Economics of Agricultural Water Conservation Programs in the Colorado Basin, Texas,” Funded by the City of San Antonio, TX, for \$190,000, 2006-2008, PI.

“Institutional Barriers to Water Conservation in the Rio Grande Basin,” Funded by U.S. Congress - Rio Grande Basin Initiative, for \$180,000, 2001-04, PI.

Effects of Water Supply Adjustments on Farm Returns and Resource Use: Findings from the Rio Grande Basin in Designing Federal Insurance Programs. Funded for \$25,000 by USDA, 2002-04. PI

“Economic Efficiency Analysis for New Mexico State Parks,” funded for \$75,000, 2002-04, by New Mexico State Parks Department, PI.

“Visitor Preferences for New Mexico State Parks,” funded for \$75,000, 2000-02; New Mexico State Parks Department. PI.

“Development of a Procedure for Allocating Hatchery-Produced Rainbow Trout,” Funded for \$57,000, 1998-2000, New Mexico Department of Game and Fish. PI.

“Institutional Adjustments for Coping with Prolonged and Severe Drought in the Rio Grande Basin,” US Geological Survey, Funded for \$790,000, 1996-2000 (with Colorado State University and Texas A&M University). PI.

#### **ASSOCIATE EDITOR FOR PEER-REFEREED JOURNALS:**

*Journal of Hydrology, 2008-2011*

*Water Resources Research, 1991-2000.*

*North American Journal of Fisheries Management, 1997-98.*

*Transactions for the American Fisheries Society, 1997-98.*

---

## State Water Resources Control Board

[Date]

*[Example of a letter initiating review.]*

[Name and  
professional address  
of reviewer]

Dear Professor \_\_\_\_\_,

**[SUBJECT] PEER REVIEW OF \_\_\_\_\_**

[Optional Introductory Paragraph]

My letter today is intended to initiate the next phase of the external review – the actual review itself

Included in this letter are two key documents:

- a) The request for external reviewers to me, signed by \_\_\_\_\_, including [#] attachments; and,
- b) January 7, 2009 Supplement to the Cal/EPA Peer Review Guidelines.

Comments on the foregoing (a-b):

1. You have been sent the request letter, including attachments, during the solicitation process for reviewer candidates conducted by the University of California. The letter is dated \_\_\_\_\_.
2. Attachment 2 to the request letter provides focus for the review. I ask that you address all topics, as expertise allows, in the order listed.
3. The January 7, 2009 Supplement – you received this earlier when you were approved as a reviewer. I am sending it again to make certain that you have it. In part, it provides guidance to ensure the review is kept confidential through its course. The Supplement notes reviewers are under no obligation to discuss their comments with third-parties after reviews have been submitted. We recommend they do not. All outside parties are provided opportunities to address a proposed regulatory action through a well-defined regulatory process. Direct third-parties to me.

Please return your review directly to me. Questions about the review, or review material,

Professor \_\_\_\_\_

- 2 -

[Date of Letter]

should be for clarification, in writing – email is fine, and addressed to me. My responses will be in writing also. The State Water Resources Control Board (Water Board) should not be contacted. All this information will be posted at the program website, and the State and Regional Water Board's Scientific Peer Review website.

I would appreciate your review being completed by \_\_\_\_\_ [30-day period recommended].

Your acceptance of this review assignment is most appreciated.

Sincerely,

[Signature and professional affiliation,  
as well as contact information.]

**Supplement to Cal/EPA External Scientific Peer Review Guidelines –  
“Exhibit F” in Cal/EPA Interagency Agreement with University of California  
Gerald W. Bowes, Ph.D.**

**Guidance to Staff:**

1. Revisions. If you have revised any part of the initial request, please stamp “Revised” on each page where a change has been made, and the date of the change. Clearly describe the revision in the cover letter to reviewers, which transmits the material to be reviewed. The approved reviewers have seen your original request letter and attachments during the solicitation process, and must be made aware of changes.
2. Documents requiring review. All important scientific underpinnings of a proposed science-based rule must be submitted for external peer review. The underpinnings would include all publications (including conference proceedings), reports, and raw data upon which the proposal is based. If there is a question about the value of a particular document, or parts of a document, I should be contacted.
3. Documents not requiring review. The Cal/EPA External Peer Review Guidelines note that there are circumstances where external peer review of supporting scientific documents is not required. An example would be "A particular work product that has been peer reviewed with a known record by a recognized expert or expert body." I would treat this allowance with caution. If you have any doubt about the quality of such external review, or of the reviewers' independence and objectivity, that work product – which could be a component of the proposal - should be provided to the reviewers.
4. Implementation review. Publications which have a solid peer review record, such as a US EPA Criteria document, do not always include an implementation strategy. The Cal/EPA Guidelines require that the implementation of the scientific components of a proposal, or other initiative, must be submitted for external review.
5. Identity of external reviewers. External reviewers should not be informed about the identity of other external reviewers. Our goal has always been to solicit truly independent comments from each reviewer. Allowing the reviewers to know the identity of others sets up the potential for discussions between them that could devalue the independence of the reviews.
6. Panel Formation. Formation of reviewer panels is not appropriate. Panels can take on the appearance of scientific advisory committees and the external reviewers identified through the Cal/EPA process are not to be used as scientific advisors.
7. Conference calls with reviewers. Conference calls with one or more reviewers can be interpreted as seeking collaborative scientific input instead of critical review. Conference calls with reviewers are not allowed.

## Guidance to Reviewers from Staff:

### 1. Discussion of review.

Reviewers are not allowed to discuss the proposal with individuals who participated in development of the proposal. These individuals are listed in Attachment 3 of the review request.

Discussions between staff and reviewers are not permitted. Reviewers may request clarification of certain aspects of the review process or the documents sent to them.

Clarification questions and responses must be in writing. Clarification questions about reviewers' comments by staff and others affiliated with the organization requesting the review, and the responses to them, also must be in writing. These communications will become part of the administrative record.

The organization requesting independent review should be careful that organization-reviewer communications do not become collaboration, or are perceived by others to have become so. The reviewers are not technical advisors. As such, they would be considered participants in the development of the proposal, and would not be considered by the University of California as external reviewers for future revisions of this or related proposals. The statute requiring external review of science-based rules proposed by Cal/EPA organizations prohibits participants serving as peer reviewers..

### 2. Disclosure of reviewer Identity and release of review comments.

Confidentiality begins at the point a potential candidate is contacted by the University of California. Candidates who agree to complete the conflict of interest disclosure form should keep this matter confidential, and should not inform others about their possible role as reviewer.

Reviewer identity may be kept confidential until review comments are received by the organization that requested the review. After the comments are received, reviewer identity and comments must be made available to anyone requesting them.

Reviewers are under no obligation to disclose their identity to anyone enquiring. It is recommended reviewers keep their role confidential until after their reviews have been submitted.

### 3. Requests to reviewers by third parties to discuss comments.

After they have submitted their reviews, reviewers may be approached by third parties representing special interests, the press, or by colleagues. Reviewers are under no obligation to discuss their comments with them, and we recommend that they do not.

All outside parties are provided an opportunity to address a proposed regulatory action during the public comment period and at the Cal/EPA organization meeting where the proposal is considered for adoption. Discussions outside these provided avenues for comment could seriously impede the orderly process for vetting the proposal under consideration.

4. Reviewer contact information.

The reviewer's name and professional affiliation should accompany each review. Home address and other personal contact information are considered confidential and should not be part of the comment submittal.

