

CURRICULUM VITAE

Dr. Virginia R. Van Sickle-Burkett

PERSONAL

Born: United States Citizen
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EDUCATION

- 1993 - 1996: School of Forestry, Stephen F. Austin State University, Nacogdoches, Texas. Doctor of Forestry/Ph.D., 8/96. Major - Forestry; Minor - Applied Statistics.
- 1973 - 1975: Department of Biology, Northwestern State University, Natchitoches, Louisiana. Master of Science, 5/75. Major - Botany (Honors)
- 1970 - 1973: Department of Biology, Northwestern State University, Natchitoches, Louisiana. Bachelor of Science, 5/73. Major - Zoology, Minor - Chemistry (Honors)
- 1968 - 1969: University of Southern Mississippi, Hattiesburg, Mississippi.
- 1956 - 1968: Primary and Secondary Schools, Biloxi, Mississippi.

PROFESSIONAL EXPERIENCE (several appointments concurrent):

- 2006 - Present: United States Department of Interior, U.S. Geological Survey, Chief Scientist for Global Change Research.
- 1990 - 2006: United States Department of Interior, U.S. Geological Survey, Chief, Forest Ecology Branch, National Wetlands Research Center, Lafayette, Louisiana and Associate Regional Chief Biologist, USGS Central Region.
- 1999 - 2001: Contributing Writer, John Wiley and Sons Ltd., London, for *Encyclopedia of Global Environmental Change*.
- 1998: Reviewer/Consultant, Addison Wesley/Scott Foresman Publishing Company, Menlo Park

CA, for textbook *Environmental Science: Ecology and Human Impact* © 1999.

- 1997-1998: Visiting Assistant Professor, College of Forestry, Stephen F. Austin State University, Nacogdoches, Texas (taught professional ethics course each spring and served as Graduate Committee Advisor).
- 1990 - 1992: Louisiana State University, Baton Rouge, School of Forestry Wildlife and Fisheries, Adjunct Professor (no teaching responsibilities).
- 1988 - 1990: Louisiana Department of Wildlife and Fisheries, Baton Rouge, Director and Secretary.
- 1985 - 1988: Louisiana State University, Louisiana Geological Survey, Baton Rouge, Assistant Director.
- 1984 - 1985: Louisiana Department of Wildlife and Fisheries, Baton Rouge, Deputy Director and Deputy Secretary.
- 1982 - 1984: Louisiana Department of Natural Resources, Baton Rouge. Louisiana Geological Survey, Outer Continental Shelf Program Manager, and Coastal Management Division, Acting Director.
- 1978 - 1982: Louisiana State University, Office of Research and Louisiana Geological Survey, Baton Rouge. Research Project Coordinator III.
- 1977 - 1978: Louisiana Department of Wildlife and Fisheries, Baton Rouge. Marine Biologist II.
- 1975 - 1977: Louisiana State University, Sea Grant Program, Center for Wetland Resources, Baton Rouge. Research Associate II (molluscan/crustacean research).
- 1975, Summer: USDA Forest Service, Youth Conservation Corps, Kisatchie District, Natchitoches, Louisiana. Counselor.
- 1973 - 1974: Hickory Ridge High School, Natchitoches, Louisiana. Instructor of Biology, Physics, Chemistry, and General Science.

PROFESSIONAL AFFILIATIONS, past and/or present

Louisiana State Museum of Geoscience Associates, Charter Member
Louisiana Wildlife Biologists Association, Life Member and Secretary, 1985-86
Southeastern Association of Fish and Wildlife Agencies, Executive Committee, 1989,
and Vice President, 1990
International Association of Fish and Wildlife Agencies, Member State Director's

Committee 1988-1990, Program Committee Chairman 1990
Society of Wetland Scientists
Louisiana Forestry Association
Society for Ecological Restoration
Society of American Foresters, Pineywoods Chapter

PUBLICATIONS:

Van Sickle, V.R. 1975. Effects of field-applied carbon dioxide laser radiation on water hyacinth [*Eichhornia crassipes* (Mart.) Solms.]. Thesis, Northwestern State University of Louisiana. Abstract, Proceedings 1975 Aquatic Plant Management Society of America, Annual Meeting, Orlando, FL.

Van Sickle, V.R., Barrett, B.B., Gulick, L.J. and Ford, T.B. 1976. Barataria Basin: Salinity changes and oyster distribution. Louisiana Department of Wildlife and Fisheries, Baton Rouge, Tech. Bull. 20 and Louisiana State University, Baton Rouge, Sea Grant Pub. LSU-T-76-002, 22 pp.

Van Sickle, V.R. 1977. Coastal Louisiana - Oyster distribution and ecological change. Louisiana State University, Center for Wetland Resources, Baton Rouge. LSU-SG-TD2-76.

Conner, W.H., Condrey, R.E., Van Sickle, V.R., and de la Bretonne, L. 1977. Wetland use practice: hunting and fishing. Louisiana State University, Baton Rouge, Coastal Management Series, 116 pp.

Van Sickle, V.R. and Baumann, R.H. 1977. Oyster distribution changes as an indicator of deltaic processes. Invited Paper, Abstract, Proceedings 73rd Annual Meeting of the Association of American Geographers.

Van Sickle, V.R. 1978. Planning for water quality. *Louisiana Parish Government*, 14(2):14-15.

Newchurch, E.J., Bachman, A.N. and Van Sickle, V.R. 1979. A comparison of six geopressed-geothermal prospect areas in the Louisiana Gulf Coast Region on the basis of environmental impacts. IN: Proceedings, Fourth U.S. Gulf Coast Geopressed Energy Development Conf., University of Texas, Austin, Vol. 3, pp. 1389-1413.

Van Sickle, V.R. 1980. The National Flood Insurance Program: a regulatory approach for reducing flood losses. *Louisiana Business Review*, 44(12):2-4.

Van Sickle, V.R. 1980. Baseline studies of land use and land cover in the lignite region of Northwest Louisiana. Proceedings 21st Annual Meeting of the Louisiana Assoc. of Agronomists, Monroe, Louisiana, pp. 65-77.

Van Sickle, V.R. 1981. The National Flood Insurance Program. *Louisiana Banker*, 40(6):22-32.

Groat, C.G. and Van Sickle, V.R. 1981. An overview of environmental factors in geopressured-geothermal energy development. Proceedings Fifth Gulf Coast Conference on Geopressured-Geothermal Energy Development, U.S. Department of Energy and Louisiana State University, Office of Research, Baton Rouge, pp. 43-44.

Van Sickle, V.R. and Groat, C.G. 1981. Subsidence and induced faulting: key environmental factors in geopressured-geothermal energy development. Proceedings of the Fifth Gulf Coast Conf. on Geopressured-Geothermal Energy Development, U.S. Department of Energy and Louisiana State University, Office of Research, Baton Rouge, pp. 325-330.

Trahan, D.R. and Van Sickle, V.R. 1982. In-situ lignite gasification: an overview of current technology and environmental impacts. Louisiana State University, Office of Research, Baton Rouge, 24 pp.

Groat, C.G. and Van Sickle, V.R. 1982. Environmental monitoring, Gladys McCall No. 1 well site. IN: Geopressured-geothermal Resource Appraisal: Hydrogeology and Well Testing. Guidebook Series No. 2, Geological Society of America. Louisiana Geological Survey, Louisiana State University, Baton Rouge, 111 pp.

Van Sickle, V.R., Emmer, R., Davidson, T.A., Autin, P.R., and McCulloh, R.P. 1985. Louisiana atlas of floodplains and flooding problems. Louisiana Department of Natural Resources, Louisiana Geological Survey, Baton Rouge, 96 pp.

Penland, P.S., Groat, C.G. and Van Sickle, V.R. 1985. Hurricane impact and coastal protection in Louisiana. *Louisiana Parish Government*, 21(2):28-32.

Reggio, V.C., Van Sickle, V.R., and Wilson, C.A. 1986. Rigs to reefs: Our offshore platforms can keep on producing. *Louisiana Conservationist*, 38(1):4-7.

Wilson, C.A. and Van Sickle, V.R. 1987. Development and implementation of an artificial reef program for the State of Louisiana. Proceedings, Oceans '86 Conference, Washington, D.C., I.E.E. Service Center, pp. 531-537.

Van Sickle, V.R. and Wilson, C.A. 1987. The Louisiana Fishing Enhancement Act. Abstract, IN: Fourth International Conference on Artificial Reefs, November 2-6, 1987, Miami, Florida, p. 124.

Wilson, C.A., Van Sickle, V.R., and Pope, D.L. 1988. Louisiana artificial reef plan. Louisiana Department of Wildlife and Fisheries, Baton Rouge, Tech. Bull. 41, produced by the Louisiana Sea Grant College Program, Louisiana State University, Baton Rouge, 186 pp.

Van Sickle, V.R., Trahan, D.B., and Stephenson, D.A. 1988. Environmental effects of large-scale geopressed-geothermal resource testing. Proceedings, Geothermal Energy Symposium, Geothermal Resources Council, Davis, California, pp. 161-169.

Wilson, C.A. and Van Sickle, V.R. 1989. Development of the Louisiana Artificial Reef Program. *Bulletin of Marine Science*, 44:1071-1073.

Wilson, C.A. and Van Sickle, V.R. 1989. The Louisiana Artificial Reef Program. In: Petroleum Structures as Artificial reefs: A Compendium. U.S. Department of Interior, Minerals Management Service, New Orleans, Louisiana. OCS Rept. MMS 89-0021, pp. 7-9.

Van Sickle, V.R. 1990. Who do the fish belong to? Invited paper, IN: Proceedings, Symposium on the Environmental and Economic Status of the Gulf of Mexico, U.S. Environmental Protection Agency, Gulf of Mexico Program Office, Stennis, Mississippi, pp. 97-98.

Van Sickle, V.R. and Groat, C.G. 1990. Oil field brines: Another problem for Louisiana's coastal wetlands. Proc., First Annual Symposium on Oil and Gas Exploration and Production Waste Management Practices, U.S. Environmental Protection Agency, Washington D.C., pp. 659-675.

Van Sickle-Burkett, V.R. 1993. Coastal wetlands response to climate change. Abstract, Proc., American Ornithologists Union, University of Alaska, Anchorage, p. 81.

Burkett, V.R. and Bengtson, G.A. 1993. The Consortium for Research on Southern Forested Wetlands. *Journal of Forestry*, 91(5):32.

Foote, A.L., Burkett, V.R., and Williams, S.J. 1993. Natural resource problem solving: An interdisciplinary approach in coastal Louisiana. In: Magoon, O. T., Wilson, W. S., Converse, H., and Tobin, L. T., (Eds.), Coastal Zone '93. American Society of Civil Engineers, New York, pp. 258-266.

Allen, J.A., and Burkett, V.R. 1995. The National Biological Service: emphasis on partnership. *Journal of Forestry*, 93(3):15-17.

Keeland, B.D., Allen, J.A., and Burkett, V.R. 1995. Southern forested wetlands. IN: LaRoe, E.T., Farris, G.S., and Doran, P.T. (Eds.), *Our living resources: A report to the Nation on the distribution, abundance and health of U. S. plants, animals and ecosystems*. U. S. Department of Interior, National Biological Service, Washington, D.C., pp. 216-218.

Allen, J.A. and Burkett, V.R. 1996. Bottomland hardwood forest restoration: Overview of techniques, successes and failures. IN: Kusler, J.A., Willard, D.E., and Hull, H.C. (Eds.), *Wetlands and Watershed Management*, Institute for Wetland Science and Public Policy, Berne, New York, pp. 328-332.

Burkett, V. R., Beasley, R. S., Roussopoulos, P. and Barnett, J.P. 1996. Toward southern forest sustainability: a science agenda. Southern Region Forest Research Report to the Seventh American Forest Congress, February 20-24, 1996. Office of the Seventh American Forest Congress, Yale School of Forestry, New Haven, Connecticut, 27 pp.

Burkett, V.R. 1996. Effects of flooding regime, mycorrhizal inoculation and seedling treatment type on the establishment of Nuttall oak (*Quercus nuttallii* Palmer). Dissertation, Stephen F. Austin State University, 152 pp.

Burkett, V.R. and Williams, H.M. 1997. Effects of flooding regime, mycorrhizal inoculation and seedling treatment type on first-year survival of Nuttall oak (*Quercus nuttallii* Palmer). Proceedings, Ninth Biennial Silvicultural Research Conference. U.S. Department of Agriculture, Forest Service, General Tech. Rept. SRS-20, pp. 289-294.

Guntenspergen, G. R., Vairin, B. A. and Burkett, V. R. 1997. Coastal wetlands and climate change: overview. U.S. Geological Survey, National Wetlands Research Center, Lafayette, Louisiana. USGS Fact Sheet FS-089-97, 4 pp.

Burkett, V. R. 1997. Coastal wetlands and global climate change. Extended Abstract, U.S. Global Change Research Program, Second Monday Seminar Series on Capital Hill, July 10, 1997. 4 pp.

Allen, J.A. and Burkett, V.R. 1997. Salt tolerance of southern baldcypress. U.S. Geological Survey, National Wetlands Research Center, Lafayette, Louisiana. USGS Fact Sheet FS-092-97, 2 pp.

Guntenspergen, G. R., Vairin, B. A., Burkett, V. R., and McGrath, D. 1997. Coastal wetlands and climate change. *National Wetlands Newsletter*, 19(5):1,16-20.

Walker, L.C., Brantley, T., and Burkett, V.R. 1998. Characterization of an old-growth bottomland hardwood forest in Northeast Texas: Harrison Bayou. IN: D. Kulhavy and M. Legg (Eds.), *Wilderness Areas in Eastern North America*, Stephen F. Austin University Press, Nacogdoches, TX, pp. 98-109.

Guntenspergen, G. R., Vairin, B. A., and Burkett, V. R. 1998. Overview of coastal wetland global climate change research. IN: *Vulnerability of Coastal Wetlands in the Southeastern United States: Climate Change Research Results, 1992-1997*. U.S. Geological Survey, Biological Sciences Report, USGS/BRD/BSR 1998-0002, pp.1-6.

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Association, Specialty Conference on Potential Consequences of Climate Variability and Change to Water Resources of the United States, AWRA, Herndon, Virginia, TSP 99-1, pp. 229-234.

Good, J. and Burkett, V.R. 1999. The impacts of hazards and disasters on coastal ecosystems: the hidden costs to society. IN: O. Magoon (Ed.), *Coastal Zone '99*, American Society of Civil Engineers, New York.

Burkett, V.R. 1999. Wetland functions and values. IN: Proceedings of the United States/China Water Resources Management Workshop, Tuscon, AZ, April 19-22, 1999. Los Alamos National Laboratory, University of California, <http://www.lanlgov/chinawater>

Burkett, V.R. and Good, J. 1999. Direct and indirect costs of coastal hazards to natural resources. IN: *The Hidden Costs of Coastal Hazards: Implications for Risk Assessment and Mitigation*. Island Press, Washington, D.C., pp. 83-97.

Burkett, V.R. and Kusler, J. 2000. Climate change: potential impacts and interactions in wetlands of the United States. *Journal of the American Water Resources Association*, 36(2):313-320.

Melillo, J.M., Janetos, A.C., Karl, T.R., Corell, R.C., Barron, E.J., Burkett, V., Cecich, T.F., Jacobs, K., Joyce, L., Miller, B., Morgan, M.G., Parson, E.A., Richels, R.G. and Schimel, D.S. 2000. *Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change, Overview*. Cambridge University Press, Cambridge, UK, 154 pp.

Burkett, V., Grace, J., Kallemyn, L., Larson, D. and Stohlgren, T. 2000. Invasive species science strategy for Department of Interior Lands in the USGS Central Region. U.S. Geological Survey, Denver, Colorado, 19 pp.

Boesch, D.F., Scavia, D., Buddemeir, R.W., Burkett, V., Cayan, D.R., Field, J.C., Fogarty, M., Harwell, M.A., Howarth, R.W., Mason, C., Park, R., Pierafesa, L., Reed, D.J., Royer, C.T., Sallenger, A.H., Spranger, M. and Titus, J.G. 2000. *The Potential Consequences of Climate Variability and Change on Coastal Areas and Marine Resources*. NOAA Coastal Ocean Program Decision Analysis Series No. 21, NOAA Coastal Ocean Program, Silver Spring, MD, 163 pp.

Burkett, V., Ritschard, R., McNulty, S., O'Brien, J.J., Abt, R., Jones, J., Hatch, U., Murray, B., Jagtap, S., and Cruise, J. 2001. Potential consequences of climate variability and change for the Southeastern United States. IN: *Climate Change Impacts in the United States: Potential Consequences of Climate Change and Variability and Change. Foundation Document*. U.S. Global Change Research Program, 400 Virginia Avenue SW, Washington, D.C. Cambridge University Press, Cambridge, UK, pp. 137-164.

McLean, R.F., Tsyban, A., Burkett, V., Codignotto, J., Forbes, D., Ittekkot, V., Mimura, N., and Beamish, R.J. 2001. Coastal zones and marine ecosystems. IN: *Climate Change: Impacts, Adaptation, and Vulnerability*. Third Assessment Report, Working Group II report of the Intergovernmental Panel on Climate Change (IPCC). IPCC Secretariat, Geneva, Switzerland, pp. 343-379.

Burkett, V.R. 2001. Climate change in the U.S.: Implications for fish and wildlife management. IN: *Transactions, 66th North American Wildlife and Natural Resources Conference*, March 16-20, 2001. Wildlife Management Institute, Washington, D.C., pp. 275-299.

Field, J.C., Boesch, D.F., Scavia, D., Buddemeier, R., Burkett, V.R., Cayan, D., Fogerty, M., Harwell, M., Howarth, R., Mason, C., Pietrafesa, L.J., Reed, D., Royer, T., Sallenger, A., Spranger, M. and Titus, J.G. 2001. Potential consequences of climate variability and change on coastal and marine resources. IN: *Climate Change Impacts in the United States: Potential Consequences of Climate Change and Variability and Change. Foundation Document*. U.S. Global Change Research Program, 400 Virginia Avenue SW, Washington, D.C. Cambridge University Press, Cambridge, UK, pp. 461-487.

Burkett, V.R. 2001. Case Study - Sea-level rise and subsidence implications for New Orleans and vicinity. Summary, National Academy of Sciences, Natural Disasters Roundtable, Forum on Sea-Level Rise and Coastal Disasters. October 25, 2001, Washington, D.C. 4 pp.

Burkett, V. 2002. Intertidal zones. IN: H.A. Mooney and J.G. Canadell (Eds.), *The Earth system: biological and ecological dimensions of global environmental change, Encyclopedia of Global Environmental Change*; John Wiley and Sons, Ltd., Chichester, v. 2, p. 365-369.

Scavia, D, Field, J. C., Boesch, D.F., Buddemeier, R. W., Cayan, D.R., Burkett, V., Fogarty, M., Harwell, M., and Howarth, R., Mason, C., Reed, D.J., Royer, T.C., Sallenger, A.H., and Titus, J.G. 2002. Climate Change Impacts on U.S. Coastal and Marine Ecosystems. *Estuaries* 25(2):149-164.

Leatherman, S.P. and V.R. Burkett. 2002. Sea-level rise and coastal disasters. *Natural Hazards Observer*, 26(4):10-11.

Williams, J. and Burkett, V. 2002. Forum on Sea-Level Rise and Coastal Disasters. IN: *Soundwaves, Coastal Science and Research News from Across the USGS*. <http://soundwaves.usgs.gov/2002/01/meetings2.html>

Parson, E.A, Corell, R.W, Barron, E. J., Burkett, V., Janetos, A., Joyce, L., Karl, T. R., MacCracken, M. C., Melillo, J., Morgan, M.G., Schimel, D.S., and Wilbanks, T. 2003. Understanding climatic impacts, vulnerabilities, and adaptation in the United States: building a capacity for assessment. *Climatic Change*, 57(1):9-42.

Burkett, V.R., Zilkoski, D.B., and Hart, D.A. 2003. Sea-level rise and subsidence: implications for flooding in New Orleans. IN: *U.S. Geological Survey Subsidence Interest Group Conference, Proceedings of the Technical Meeting, Galveston, Texas, November 27–29, 2001*. Keith R. Prince and Devin L. Galloway, Editors. U.S. Geological Survey, Water Resources Division Open File Report 03-308, pp. 63-70.

Burkett, V.R. 2003. Potential impacts of climate change and variability on transportation in the Gulf Coast / Mississippi Delta Region. IN: *The Potential Impacts of Climate Change on Transportation: Workshop Summary and Proceedings, October 1-2, 2002*. U.S. Department of Transportation, Office of Transportation Policy. 13 pp. accessible at <http://climate.volpe.dot.gov/workshop1002/index.html>

Inkley, D.B., Anderson, M.G., Blaustein, A.R., Burkett, V.R., Felzer, B., Griffith, B., Price, J. and Root, T.L. 2004. *Global Climate Change and Wildlife in North America*. The Wildlife Society, Bethesda, MD, Technical Review 04-1, 26 pp.

Burkett, V., Draugelis-Dale, R., Williams, H., and Schoenholtz, S. 2005. Effects of flooding regime and seedling treatment on early survival and growth of Nuttall oak. *Restoration Ecology* 13(3):471-479.

Burkett, V.R., Wilcox, D.A., Stottlemeyer, R., Barrow, W., Fagre, D., Baron, J., Price, J., Neilsen, J.L., Allen, C.D., Peterson, D.L., Ruggerone, G., and Doyle, T. 2005. Nonlinear dynamics in ecosystem response to climatic change: case studies and policy implications. *Ecological Complexity* 2: 357-394.

Parson, E., Burkett, V., Fisher-Vanden, K., Keith, D., Mearns, L., Pitcher, H., Rosenzweig, C., and Webster, M. 2007. *Global Change Scenarios: Their Development and Use*. Synthesis and Assessment Product 2.1B of the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. Department of Energy, Office of Biological & Environmental Research, Washington, DC., USA, 106 p.

Burkett, V.R., Groat, C.G. and Reed, D. 2007. Hurricanes not the key to a sustainable coast. *Science* 315: 1366-1367.

Nicholls, R.J., Wong, P.P., Burkett, V., Codignotto, J., Hay, J., McLean, R., Ragoonaden, S., and Woodroffe, C. 2007. Coastal Systems and Low-lying Areas. IN: *Climate Change Impacts, Adaptations and Vulnerability*. Intergovernmental Panel on Climate Change Fourth Assessment Report. IPCC Secretariat, Geneva, Switzerland, p.p. 316-356.

Burkett, V. 2008. The Northern Gulf of Mexico Coast: Human development patterns, declining ecosystems, and escalating vulnerability to storms and sea level rise. IN: M.C. MacCracken, F. Moore, and J. C. Topping, (Eds.), *Sudden and Disruptive Climate*

Change: Its Likelihood, Character and Significance. Earthscan Publications, London, pp. 101-118.

Burkett, V. 2007. Megadeltas and climate change. *Basins and Coasts News*, United States Agency for International Development, 2(1):16-19.

CCSP. 2008. *Impacts of Climate Change and Variability on Transportation Systems and Infrastructure: Gulf Coast Study, Phase I*. [J. Potter, M. Savonis, and V. Burkett (Eds.)] Synthesis and Assessment Product 4.7 of the U.S. Climate Change Science Program and the Subcommittee on Global Change Research, Washington, D.C.

Nicholls, R.J., Wong, P.P., Burkett, V., Woodroffe, C.D., and Hay, J. 2008. Climate change and coastal vulnerability assessment: scenarios for integrated assessment. *Sustainability Science* 3(1):89-102.

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Lee, H., D. Reusser, J. Olden, S. Smith, J. Graham, V. Burkett, R. Piorkowski, J. McPhedran, and J. Dukes. (in press). Integrated monitoring and information systems for managing aquatic invasive species in a changing climate. *Conservation Biology*.

ABSTRACTS (2001-2002 only)

Burkett, V. R. 2001. Global change and coastal systems: patterns possibly affecting frequency of drought. Abstract and invited presentation, Conference on Coastal Marsh Dieback in the Northern Gulf of Mexico: Extent, Causes, Consequences, and Remedies, Baton Rouge, January, 2001, USGS BRD Information and Technology Report Series.

Burkett, V.R. 2001. Sea level considerations in restoration planning. Abstract and invited presentation, Coastal and Estuarine Wetland Restoration Symposium, Association of State Wetland Managers, February, 2001, Baton Rouge, LA.

Burkett, V.R. 2001. Climate change in the U.S.: implications for fish and wildlife management. Abstract and invited presentation, 66th North American Wildlife and Natural Resources Conference, March 16-20, 2001. Wildlife Management Institute, Washington, D.C.

Burkett, V. 2001. Consequences of Climate Variability and Change in the Southeastern United States. Abstract and poster, Challenges of a Changing Earth, International-

Geosphere Biosphere Program, Royal Swedish Academy of Sciences, July 10-13, 2001, Amsterdam, The Netherlands.

Burkett, V.R. 2001. Southern wetlands, climate change and development impacts. Abstract and invited presentation, Ecological Society of America, 86th Annual Meeting, August 5-10, 2001, Madison, Wisconsin, p. 9.

Burkett, V.R. 2001. Case Study - Sea-level rise and subsidence implications for New Orleans and vicinity. Extended abstract and invited presentation, National Academy of Sciences, Natural Disasters Roundtable, Forum on Sea-level Rise and Coastal Disasters. October 25, 2001, Washington, D.C. 4 pp.

Burkett, V. 2001. Biology discipline capabilities and activities. Abstract and invited presentation, USGS Interdisciplinary Workshop on Invasive Plants Inventory, Mapping and Monitoring. November 14, 2001, Fort Collins, Colorado.

Burkett, V.R. 2001. Subsidence and sea-level rise: implications for New Orleans and vicinity. Abstract, USGS Subsidence and Aquifer Mechanics Interest Group Meeting. November 28, 2001, Galveston, TX.

Burkett, V. 2002. Climate change impact on Gulf Coast resources and communities. Extended Abstract and invited presentation, Symposium on A Sustainable Gulf of Mexico: Research, Technology and Observations 1950-2050. February 20, 2002, College Station, TX. 4 pp.

Burkett, V. 2002. Climate change and trends: impacts on coastal areas. Abstract and invited presentation, Coastal Issues Conference, Texas General Land Office, February 25, 2002, Corpus Christi, TX. 5 pp.

Burkett, V. 2002. Managing fish, wildlife and habitat in a warming climate. Abstract and invited presentation, Annual meeting of the National Wildlife Federation, March 10, 2002. Stone Mountain, Georgia.

Burkett, V. 2002. Status and values of U.S. Wetlands. Extended abstract and invited presentation, Global Environmental Change: The Science and Human Health Impacts, A Course for Senior Congressional Staff, March 26-27, 2002. Hosted by Harvard University at the Airlie Center, Warrenton, Virginia.

Burkett, V. 2002. Climate Change Predictions and Models. Abstract and invited presentation, Symposium on Wetlands and Greenhouse Gases, Society of Wetland Scientists, Annual Conference, June 2-7, 2002, Lake Placid, New York.

Burkett, V. 2002. Historical and projected impacts on wetland forests of the United States. Abstract and invited presentation, Society of Wetland Scientists, Annual Conference, June 2-7, 2002, Lake Placid, New York.

Burkett, V. 2002. Wetland inventory, management, and regulations in the United States. Abstract and invited presentation, Asian International Wetlands Restoration Symposium, Nanjing Forestry Institute, September 7-18, 2002, Nanjing, China.

Burkett, V. and J. Kusler. 2002. Historical and projected impacts of climate change on wetland forests in the United States. Poster and abstract. Asian International Wetlands Restoration Symposium, Nanjing Forestry Institute, September 7-18, 2002, Nanjing, China.

Burkett, V. 2002. Sea-level rise and subsidence implications for New Orleans. Abstract and invited presentation, USGS Workshop on Sea-level Rise Research Directions, USGS Geologic Division, Coastal and Marine Geology Program. September, 24-25, Woods Hole, Massachusetts.

Burkett, V. R. 2002. Potential impacts of climate change and variability on transportation in the Gulf Coast / Mississippi Delta Region. Abstract and invited presentation, Workshop on Climate Change Impacts on the US Transportation Sector, the U.S. Department of Transportation and the Brookings Institution, October 1-2, 2002, Washington D.C.

Burkett, V. 2002. Climate Change and Sea Level Rise: Implications for Louisiana. Abstract and invited presentation, Baton Rouge Geological Society, December 14, 2002, Baton Rouge, Louisiana.

PROFESSIONAL AWARDS/HONORS

Phi Kappa Phi Honor Society, Northwestern State University Chapter, 1975.

1982 Best Project Award, presented by the Louisiana Chapter of the American Planning Association for the Louisiana Atlas of Floodplains and Flooding Problems. Lafayette, Louisiana, September 1982.

Outstanding Public Service Award (for wetland conservation achievements), presented by the Louisiana Association of Soil and Water Conservation Districts, Alexandria, Louisiana, February 1984.

Outstanding Service Award, presented by the Louisiana Seafood Marketing and Promotion Board, Baton Rouge, October 1985.

President's Public Service Award (a national conservation achievements award), presented by The Nature Conservancy, Washington, D.C., December 1986.

Best Publication Award, Conservation Category, presented by the Louisiana Wildlife Biologists Association, Baton Rouge, February 1987.

National Achievement in Maintaining Energy Excellence Award, presented by the National Association of Desk and Derrick Clubs (for the Louisiana Rigs to Reefs Program), Tulsa, Oklahoma, September 1987.

Public Service Award, presented by Louisiana Operation Game Thief, Baton Rouge, March 1990.

Outstanding Service Award, presented by the Project Wild Facilitators of Louisiana, May 1990.

Special Act Award, U.S. Geological Survey, National Wetlands Research Center, for global change research program management and synthesis. October 1997.

Special Act Award, U.S. Geological Survey, Central Regional Office, October 1999.

Taking Wing Award, jointly by Ducks Unlimited and the USDA Forest Service. Presented at the North American Wildlife Management Conference, Chicago, IL, March 25, 2000, for role in the southern forested wetlands research initiative.

“Time Off Award”, U.S. Geological Survey, National Wetlands Research Center, May 2002.

Special Act Award, U.S. Geological Survey, Central Regional Office, December, 2002.

Meritorious Service Award, from the Secretary of the U.S. Department of Interior, May, 2003.

Award for "Minority Student and Faculty Enhancement" from the Chancellor of Southern University, presented at the National Urban and Community Forestry Conference for Minority and Underserved Communities sponsored by Southern University and the USDA Forest Service's Civil Rights Unit, Baton Rouge, June 18, 2003.

Special Act Award, U.S. Geological Survey, National Wetlands Research Center, November, 2004.

Group Achievement Award, for co-authoring Technical Report entitled “Wildlife and Climate Change”, presented at annual meeting of The Wildlife Society, 2005.

Special Act Award, U.S. Geological Survey, National Wetlands Research Center, November, 2006 and November, 2008.

PANELS, COMMITTEES, BOARDS AND COMMISSIONS

Louisiana Seafood Marketing and Promotion Board, Member, 1984-85, 1988-90.

Gulf States Marine Fisheries Commission, 1988-1990, Second Vice-Chairman and Chairman, Committee on the Role and Future Directions of the Commission.

Louisiana Forestry Commission, Member, 1988-1990.

Gulf of Mexico Fishery Management Council, 1988-1990, Member and Chairman, Habitat Protection Committee.

Louisiana Scenic Rivers Task Force, Member, 1988-1990.

Louisiana Wildlife and Fisheries Commission, Ex-Officio Member and Secretary, 1988-1990.

Governor's Special Cabinet on Economic Development, State of Louisiana, Member, 1989-1990.

Lake Pontchartrain Foundation, Board Member, 1989-1990.

Louisiana Artificial Reef Council, Chairman, 1988-1990.

Louisiana Offshore Terminal Authority, Environmental Director, 1988-1990.

Governor's Capital Lakes Task Force, Member, 1988-1989.

Louisiana Wetland Conservation and Restoration Task Force, Member, 1989-1990.

The Nature Conservancy of Louisiana, Technical Advisory Board, Member, 1987-1993.

Southeastern Association of Fish and Wildlife Agencies, Vice President, and Chairman, Directors' 2000 Committee, 1990.

Louisiana Oil Spill Response Task Force, Member and Vice Chairman, 1990.

Consortium for Research on Southern Forested Wetlands, Steering Committee Member, 1991-1994, and Chairman, 1993-1994.

Global Change Task Force, U.S. Department of Interior, National Biological Service, Member, 1994.

Louisiana Wildlife Federation, Board Member, 1995- Present; District Vice President, 1999; Secretary, 2000-2002, 2nd Vice President, 2002-2004.

Seventh American Forest Congress, Yale University, Southern Region Forest Research Committee, Chairman, 1995-96.

Heinz Center for Science, Economics and the Environment. Member, Panel on Risks, Vulnerability, and True Costs of Coastal Hazards, 1997-1998.

USGS/Biological Resources Division, Science Quality Team, Member, 1998-99.

USGS/Biological Resources Division, Amphibian Leadership and Monitoring Team, Member, 2000.

USGS/Biological Resources Division, Committee to develop an Invasive Species Strategy for the Central United States, Chairman, 1999-2000.

National Assessment Synthesis Team, US Global Change Research Program and National Science Foundation, Member and Lead Author, 1998-2001.

United Nations/World Meteorological Organization Intergovernmental Panel on Climate Change (IPCC), Working Group II, Lead Author, Third Assessment Report, Coastal and Marine Ecosystems, 1998-2001.

Louisiana State University, Center for Coastal, Energy and Environmental Resources, Advisory Council, Member, 1999-present.

Gulf of Mexico Program (state/federal/private consortium) Management Committee, Member, 1999-2002.

Coastal America, Gulf Regional Implementation Team, Member, 1999-2002.

Gulf of Mexico Regional Invasive Species Panel, Member and Co-Chair, Research and Development Working Group, 2001-2003.

National Academy of Sciences, Ocean Studies Board and Water and Science and Technology Board, Panel on River Basin and Coastal Systems Planning, Panel Member, 2002-2004.

The Wildlife Society, Technical Review Committee on Global Change and Wildlife, Member, 2002-2004.

CREST (Coastal Restoration and Enhancement through Science and Technology) University Consortium, based at University of New Orleans, Technical Advisory Board, Member, 2002-2005.

Gulf Coast Cooperative Ecosystem Study Unit (17 universities represented, based at Texas A&M University), Steering Committee, Member, 2002-2004.

USGS Louisiana Science and Facility Planning Team, Chairman, 2003-2005.

USGS Strategic Planning Team for Wetland Science, Member, 2003-2005.

H. John Heinz Center for Science, Economics, and the Environment - Advisory Committee on Sustainable Oceans, Coasts and Waterways, Member, 2004-present.

Louisiana Spatial Reference Center, Louisiana State University, Steering Committee Member, 2004-present.

United Nations/World Meteorological Organization, Intergovernmental Panel on Climate Change (IPCC), Working Group II, Lead Author, Fourth Assessment Report, 2004-2007.

Northern Prairie Wildlife Research Center, Center Review Panel, Member, 2004.

USGS Global Change Science Coordinating Committee, Member, 2004, and Chairman, 2005-2007.

Integrated Scenarios Development Working Group, U.S. Climate Change Science Program, Lead Author and Member of the associated Federal Advisory Committee appointed by the Secretary of the U.S. Department of Energy, 2004-2008.

Gulf Coast Transportation Impacts Research Team, U.S. Climate Change Science Program, Project Co-Lead, 2005-present.

Lower Mississippi Valley Joint Venture Management Board, North American Waterfowl Management Program, Member, 2004-2006.

United Nations Framework Convention on Biodiversity, Ad-Hoc Technical Expert Group on Biodiversity and Adaptation to Climate Change, Member/Author, 2005.

Louisiana Sea Grant Advisory Committee, Member, 2006-present.

Editorial Board of the international journal *Ethics in Science and Environmental Politics*, Member, 2006-present.

United Nations/World Meteorological Organization, Intergovernmental Panel on Climate Change (IPCC), Working Group II, Lead Author, Technical Paper on Water, 2006-2008.

Secretary of Interior's Global Change Task Force, Member, 2007-2008.

Editorial Advisory Board of the Book Series *Climate Change, Economics and Society: Leadership and Innovation*, Channel View Publications, Clevedon, UK, Member, 2007-present.

Avian Ecology Advisory Board, Everglades National Park, hosted by the Sustainable Ecosystems Institute and the US Fish and Wildlife Service, Member, 2007 – present.