

**Curriculum Vitae
for**

MICHAEL JAMES MANFREDO

Education

B.A., Anthropology Minor: Archaeology	Pennsylvania State University, 1973
M.S., Recreation and Parks	Pennsylvania State University, 1976
Ph.D., Recreation Behavior Minor: Social Psychology	Colorado State University, 1979

Field of Specialization: Human Dimensions in Natural Resources

Professional Experience

1997– P	Fellow	Academy of Leisure Sciences
1997-P	Department Head	Dept. of Natural Resource Recreation and Tourism, Colorado State Univ.
1993-P	Professor	Dept. of Natural Resource Recreation and Tourism (NRRT), Colorado State Univ.
1991-P	Leader	Human Dimensions in Natural Resources Unit, College of Natural Resources, Colorado State Univ.
1989-93	Associate Professor	Department of Recreation Resources Colorado State Univ.
1987-89	Associate Professor	Department of Leisure Studies, Department of Forestry, Institute for Environmental Studies, Univ. of Illinois at Champaign-Urbana Management.
1986-87	Associate Professor	Department of Resource Recreation Management, Oregon State Univ.
1980-86	Assistant Professor	Department of Resource Recreation Management, Oregon State Univ.
1979-80	Instructor	Department of Resource Recreation Management, Oregon State Univ.

ADMINISTRATION

Duties

Administer the Department of Natural Resource Recreation and Tourism which was recognized by National Recreation and Parks Association accreditation team as one of the top two programs of its kind in the nation. Undergraduate enrollment for the Department is approximately 310 undergraduate students and 45 graduate students. The program has four concentrations of study including Natural Resources Tourism, Global Tourism, Environmental Communication, and Parks and Protected Area Management. Graduates of the program are employed in a wide spectrum of public agencies, non-governmental agencies, both large and small tourism businesses. The Department has a strong and growing emphasis on international aspects of tourism, parks and protected area management.

Duties associated with administering the Department include:

- Strategic Planning
- Preparation of, administration of, and adherence to the departmental budget.
- Personnel management including advancement, encouragement, workload assignment, tenure/promotion evaluations, annual evaluations, post tenure evaluations.
- Providing leadership to ensure strengthening of undergraduate and graduate teaching, research, extension programs, and faculty competence within the department;
- Guide the construction of sound curricula to meet educational needs of students;
- Ensure cooperation with and assistance to other departments at Colorado State University;
- Ensure effective staff and faculty recruitment; development and maintenance of departmental morale;
- Facilitate contribution to the achievement of University diversity and equal opportunity goals.

Selected Program Development Contributions

Worked with the Western Association of Fish and Wildlife Agencies to advance collaborative approaches to social science assessment. Collaboration has facilitated cross-state comparison of findings, allowed macro level analysis of data, and facilitated a network of HD professionals in state fish and wildlife agencies. Examples of collaborative studies have been conducted on a longitudinal assessment of wildlife values and an assessment of the effects of CWD on hunter behavior. This collaborative effort has led to the development of a Human Dimensions Certification Program offered through WAFWA.

Organized a research project to initiate a global assessment of wildlife values. The initial phases of the project are directed at developing a measurement instrument and a values typology that will allow an etic approach to data collection. Researchers currently working on the project are pilot testing data collection in Africa, Denmark, China, Mongolia, Thailand, and the United States.

Co-organizing key non-government agencies to establish an ongoing collaboratively-sponsored conference on human dimensions of wildlife. Activities at the conference are intended to increase the professionalism and practice of HD in wildlife management. NGOs involved include the Wildlife Society, American Fisheries Society, Organization of Wildlife Planners, International Association of Fish and Wildlife Agencies, Society for Conservation Biology, IUCNJ- World Commission on Parks, Society for Range Management, Wildlife Management Institute, University of Montana, Cornell University and Texas A&M University.

Worked with faculty in NRRT and across campus to develop undergraduate programs that address areas of growing professional need. **Global Tourism** is an interdisciplinary program offered through NRRT in cooperation with the College of Business, the Department of Hotel and Restaurant Management, Department of Language, and Office of International Programs. This program expands our more conventional Tourism and Commercial Recreation Concentration to meet needs in the expanding area of international tourism. Another programmatic expansion was to introduce a program on **Environmental Communication**. This new program, offered through NRRT, in cooperation with the Departments of Speech Communication, Technical Journalism, and the National Association of Interpretation, provides students with a broad background for entry to a wide number of communication positions in natural resources.

To provide coordination and collaboration of faculty and to expand graduate student opportunities at CSU, established NRRT as the administrative home for **Human Dimensions of Natural Resources** at Colorado State University. A system of joint appointments will allow faculty from across campus to participate in this program.

RESEARCH and OUTREACH

Research and Outreach Program

My research program has the goals: (1) to increase the availability of human dimensions information relevant to wildlife and natural resource management, (2) provide for increased understanding of the role of human dimensions information in natural resources decision-making, (3) to facilitate the integration of human dimension information into the natural resource decision-making process, (4) to advance knowledge and theory development in the area of human dimensions of natural resources, (5) develop new approaches that advance the science of HDFS, (6) improve the working relationship between academics and practitioners, and 7 extend cross-cultural investigation in HDFS.

Current Projects

Developing an Education and Certification Program for Human Dimensions of Wildlife (Awarded in 2005). This project, developed for funding in cooperation with the Western Association of Fish and Wildlife Agencies is intended to develop an educational program that enhances the capacity of agencies to conduct human dimensions of fish and wildlife inquiry. Graduate of the program will be certified by WAFWA. T. Teel, Co-P.I.

Wildlife Values in the West (WVW). This program, funded through the International Association of Fish and Wildlife Agencies, was conducted cooperatively with the Western Association of Fish and Wildlife Agencies. The research provides an assessment of public values toward wildlife for 19 western states. To establish trends in public thinking, the study will be replicated every 10 years. T. Teel, A. Bright, Co-P.I.s

Wildlife Values in the West - Arizona – Conducting analysis of WVW State Specific Survey., T. Teel, Co-P.I.

Wildlife Values in the West – Hawaii – Conducting analysis of WVW State Specific Survey. T. Teel, Co-P.I.

Wildlife Values in the West – Kansas – Conducting analysis of WVW State Specific Survey. T. Teel, Co-P.I.

Wildlife Values in the West – Wyoming – Conducting analysis of WVW State Specific Survey. T. Teel, Co-P.I.

Wildlife Values in the West – Utah – Conducting analysis of WVW State Specific Survey. T. Teel, Co-P.I.

Wildlife Values in the West – Colorado – Conducting analysis of WVW State Specific Survey. T. Teel, Co-P.I.

Recent Projects

Hunter Responses to the Effects of Chronic Wasting Disease. (Completed in 2005) Chronic wasting disease causes death in elk and deer in Colorado. It is unknown whether or not the disease can be transmitted to humans. The purpose of this study was to estimate the effects on hunting participation under conditions of increased spread and prevalence of the disease.

Assess Public Knowledge, Values and Attitudes Toward Biodiversity and Sustainable Forestry (Completed in 2005) This project, funded by the National Commission on Science for Sustainable Forestry (NCSSF) conducted a literature regarding the state of the knowledge regarding public perception of the concept of biodiversity. Co-PI with Professor Alan Bright as P.I..

Public Preference for Elk/Vegetation Futures in Rocky Mountain National Park (RMNP). RMNP is conducting planning efforts to deal with historically high elk populations. The elk are believed to have a substantial affect on the composition of vegetation, particularly on the winter range. The purpose of this study is to obtain public preference for different potential futures and actions that can be taken to achieve those futures.

Colorado Division of Wildlife-Colorado State University Cooperative Human Dimensions

Initiative. This initiative, established in 1992 ending in 2000, was dedicated to improving wildlife decision making in Colorado through the provision of human dimensions expertise. Activities of the initiative include research, education, and consultation. Since its inception include:

- conducted approximately 35 research projects
- 27 peer reviewed journal articles, 42 project reports, 7 book chapters
- 61 presentations at professional meetings
- assisted in the education (through study team participation) of over 100 CDOW employees
- graduated 7 Ph.D. students who are currently working with other western states on human dimensions initiatives
- initiated and currently editing the journal, *Human Dimensions of Wildlife*
- research resulted in over 250 newspaper articles as well as numerous radio and television spots. Studies have been reported in high profile locations such as *CNN, USA Today, Newsweek, New York Times, Denver Post, and the Rocky Mountain News.*
- have served on numerous management teams including big game regulation review (ongoing), management review team for creation of a human dimensions section in CDOW, and long range planning
- received \$2.5 million in funding.
- as part of CDOW's organizational review, successfully proposed a new section (6 people) which focuses on public involvement and policy analysis.

Project titles through the Colorado Division of Wildlife (CDOW)-Colorado State University (CSU) Human Dimensions Initiative. (Project reports available on most studies)

Attitudes toward water uses in the Lower Arkansas River Basin
Colorado black bear hunting controversy: Amendment #10 post-election voter analysis
Coloradans' recreational uses of attitudes toward wildlife
Experience based recreation planning for wildlife viewing at the Rocky Mountain Arsenal
Frequency and effect of access problems encountered by hunters and anglers
Landowner attitudes toward the CDOW's landowner preference licensing system
Pheasant hunter attitudes toward fee hunting in Colorado
Raton pass checkstation: What do hunters think?
The 1992 Colorado angler harvest study
Angler attitudes toward urban fisheries
Attitude change among youths as an effect of a summer environmental education program
Attitudes and beliefs about land use and wildlife in La Plata County, Colorado.
Colorado residents' attitudes toward reintroduction of the Gray Wolf in Colorado
Development of a predictive model of fishing participation and angler satisfaction in Colorado
Five year trend analysis of hunter satisfaction with deer hunting in Colorado
Elk and Deer hunter's preferences for regulatory management alternatives 1995-1999
Elk bowhunters' perceptions of crowding and satisfaction
Factors affecting current and future waterfowl hunting participation in Colorado

Human responses to mountain lions at the urban-wildland interface
Knowledge of and attitudes toward endangered fish of the Upper Colorado Basin and the recovery program
Mount Evans wildlife-associated recreation study
Perceptions of the relationships among wildlife rehabilitators, animal control officers, and CDOW personnel
Retention, recruitment, and desertion in small game hunting
Segmentation of nontraditional wildlife audiences
Applying a system for monitoring hunter satisfaction in Colorado
Public acceptance of trapping in Colorado
Understanding voter behavior: A case study of Colorado's Amendment 14
The effects of information on ballot initiative voting behavior: The case of trapping
Angler's willingness to pay for effects due to whirling disease through license increases
Hunters willingness to pay for Colorado elk and deer hunting opportunities
How hunters attribute the cause of hunting quality
A survey of customer satisfaction
A readership survey for *Colorado Outdoors*
A survey of watchable wildlife programs in North America
Angler satisfaction with trout fishing experiences, 1996
Acceptance of management alternatives for dealing with wildlife in Anchorage, Alaska (via the partnership with Alaska Fish and Game)
Applying survey results in development of a management plan for Anchorage, Alaska (via the partnership with Alaska Fish and Game)
Assessing Hunters Willingness to Pay Increased License Fees - This project provided estimates of participation and revenues under different price increase scenarios.
Developing a standards based approach to hunting recreation management for CDOW.
Assessment of hunter's funding allocation preferences.
Revising CDOW's Big Game Planning System
Conducting an Assessment of Hunter Demand for Deer and Elk Populations in Colorado.
An Assessment of Crowding Associated With Big Game Hunting in Colorado (Harvest Survey Data).
Angling Satisfaction in Colorado, 1998.
Colorado Environmental Poll – 1993-1999
An Evaluation of Research Needs at Rocky Mountain National Park.

Other Completed Research Projects

A Survey of Park Superintendents Opinions Toward Conditions in the Parks. 1994. National Parks and Conservation Association. Project Leader.

The Effects of Information Level on the Stability of Willingness to Pay Estimates. 1993. USFS Rocky Mountain Forest and Range Experiment Station. Project Leader.

An Exploratory Analysis of The Physiological Benefits of Leisure. 1992. USFS Rocky Mountain Forest and Range Experiment Station. Project Leader.

An Assessment of Attitudes Toward Public Uses of the Arapaho and Roosevelt National Forest and Pawnee Grasslands. 1993. USFS Rocky Mountain Forest and Range Experiment Station. Project Leader.

A Test of Norm Focus Theory in Recreation Settings. 1992. USFS Rocky Mountain Forest and Range Experiment Station. Project Leader.

The Recreational Value of Big Horn Sheep in Waterton Canyon. 1991. Colorado Division of Wildlife. Project Leader.

Development of a Recreation and Tourism Assessment System for the Rocky Mountain Arsenal. 1990. USFWS Wildlife Cooperative Studies Unit. Project Leader.

Public Preferences for Nonconsumptive Wildlife Recreation in the Denver Area. 1990. Colorado Division of Wildlife. Project Leader.

A Review of Theories of Attitude Change and Their Application in Natural Resource Communication and Tourism. 1989. USFS Intermountain Forest and Range Experiment Station. Project Leader.

A Test of Belief-Based Persuasive Communication in Changing Attitudes Toward Controlled Burn Policies. 1989. Department of Recreation Resources, CSU. Project Leader.

An Assessment of Bias in the Illinois Sport Fishing Survey. 1988. Dept. of Conservation Div. of Fisheries. Project Leader.

An Assessment of Overflight Impacts on National Park and Wilderness Visitors. Co-investigator. National Park Service/U.S. Forest Service.

An Assessment of Public Attitudes Toward Wilderness Fires. Cooperatively among USFS Research Stations. 1989. Project Leader.

An Investigation of Factors Influencing Effective Communication in Natural Resource Management: The Case of the Boundary Waters Canoe Area. 1987. USFS Intermountain Forest and Range Experiment Station. Project Leader.

An Assessment of Marketing Opportunities for Recreation on Private Forest Lands in Central Illinois. Phase 1. 1989. McIntire Stennis, Department of Forestry, University of Illinois, Project Leader.

Attitudes and Persuasion Strategies Regarding Willingness to Pay for Outdoor Recreation Facilities in New Zealand. 1988. Funded through the Centre for Resource Management at the University of Canterbury, funded by the Department of Tourism and Publicity and Department of Conservation, New Zealand. Co-Project Leader.

Implementation and Evaluation of Promotional Activities to Increase Participation in Recreational Charter Fishing Along the Oregon Coast: Phase III in Cooperation with the Oregon Coast Association. 1986-1987. National Marine Fisheries Service. Project Leader.

An Assessment of The Availability and Value of Opportunities for Disabled Hunters in Illinois. 1987. USFS Rocky Mountain Forest and Range Experiment Station. Project Leader.

Implementation and Evaluation of Promotional Activities to Increase Participation in Recreational Charter Fishing Along the Oregon Coast. Phase I 1984-1985. National Marine Fisheries Service. Project Leader.

Implementation and Evaluation of Promotional Activities to Increase Participation in Recreational Charter Fishing Along the Oregon Coast: Phase II. 1985-1986. National Marine Fisheries Service. Project Leader.

Self-Identity Benefits of Elk Hunting. 1987-1988. Rocky Mtn. Forest and Range Experiment Station. Project Leader.

Identification of the Characteristics and Preferences of Donators to Oregon's Nongame Tax Check-off Program. 1984-1985. Oregon Department of Fish and Wildlife. Project Leader.

A Profile of New Donors and Ex-donors to Oregon's Nongame Tax Checkoff. 1986. Oregon Dept. of Fish and Wildlife, OSU Gen. Research Fund and Computer Center. Project Leader.

Experience and Management Preferences of Oregon Coast Range Elk Hunters. 1984. Forestry Research Lab, Oregon State University Project Leader.

Defining Research and Management Procedures for Identifying and Mapping Substitutable Recreation Sites. 1982-1984. U.S. Forest Service, Pacific Northwest Forest and Range Experiment Station. Project Leader.

Identifying and Describing Segments of Consumptive Users of Fish and Wildlife in the United States. 1982-1984. U.S. Fish and Wildlife Service, Division of Program Plans, Washington, D.C. Project Leader.

Time Consistency of Expectancy and Valence Components of Desired Psychological Outcome Scales. 1979. U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station. Project Leader.

Preferences of Alsea River Steelhead Fishermen. 1979. Benton County Parks Department, Corvallis, Ore. Project Leader.

Refinement of Recreation Opportunity Spectrum System by Field Studies on BLM Lands in

the Steens Mt. Area of Oregon. 1979-1981. Bureau of Land Management and U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station. Co-Project Leader.

The Cost Efficiency of Using Computer Mapping in Conducting Recreation Opportunity Spectrum Supply Inventories. 1980-1981. Forestry Research Lab. Oregon State University. Project Leader.

An Initial Examination of Recreational Substitutability. 1981-82. U.S. Forest Service, North Central Forest Experiment Station. Project Leader.

Development of an Automated Campsite Data System. 1982. Forestry Research Lab. Oregon State University. Project leader.

Preferences of Oregon Trout Fishermen. 1982. Forestry Research Lab, OSU Computer Center, Oregon State University. Project Leader.

Scholarly Publications

Peer – Reviewed Journal Publications

Zinn, H. C., M.J. Manfredo & D.J. Decker. *In review*. Habituation of humans to wildlife: A different perspective. *Wildlife Society Bulletin*.

Needham, M. D., Vaske, J. J., Donnelly, M. P., & Manfredo, M. J. *In review*. Hunter specialization and declining participation in response to chronic wasting disease. *Journal of Leisure Research*.

Whittaker, D., Vaske, J. J., & Manfredo, M. J. *In press*. Specificity and the cognitive hierarchy: Values-based support for urban wildlife management actions. *Society and Natural Resources*.

Vaske, J. J., Shelby, L. B., & Manfredo, M. J. *In press*. Bibliometric reflections on the first decade of *Human Dimensions of Wildlife*. *Human Dimensions of Wildlife*. 11(2).

Teel, T. L., Bright, A. D., Brooks, J. J & Manfredo, M. J. *In press*. Evidence of biased processing of natural resource-related information: A case study designed to measure attitudes toward drilling for oil in the Arctic National Wildlife Refuge. *Society and Natural Resources*.

Vaske, J. J., Needham, M. D., Newman, P., Manfredo, M. J., & Petchenik, J. 2005. Potential for conflict index: Hunters' responses to chronic wasting disease. *Wildlife Society Bulletin*, 34(1).

Fix, P. J. & Manfredo, M. J. 2005. Divergence of Contingent Valuation Responses in a Wildlife-Related Application. *Human Dimensions of Wildlife*, 10(4), 239-248.

- Needham, M. D., Vaske, J. J., & Manfredo, M. J. 2005. State and residency differences in hunters' responses to chronic wasting disease. *Human Dimensions of Wildlife*, 11(3).
- Fix, P. J., Manfredo, M. J., & Loomis, J. B. 2005. Assessing Validity of Elk and Deer License Sales Estimated by Contingent Valuation. *Wildlife Society Bulletin*, 33(2), 633-642
- Manfredo, M., P. Fix, T. Teel, J. Smeltzer, R. Kahn. 2004. Assessing demand for big game hunting opportunities: Applying the multiple satisfaction concept. *Wildlife Society Bulletin*, 32. 4, 1147-1155.
- Needham, M.D., Vaske J.J. and Manfredo, M. J. 2004. Hunter's behavior and management actions related to chronic wasting disease in eight states. *Human Dimensions of Wildlife*, 9:3:211-231.
- Manfredo, M.J. and A. A. Dayer 2004. Concepts for exploring the social aspects of human-wildlife conflict in a global context. *Human Dimensions of Wildlife*, 9:4:317-330
- Fulton, D. C. and M. J. Manfredo. 2004. A panel design to assess the effects of regulatory induced reductions in opportunity on deer hunters' satisfaction. *Human Dimensions of Wildlife*, 9:1:35-56.
- Manfredo, M. J., Teel, T. L., & Bright, A. D. (2003). Why are public values toward wildlife changing? *Human Dimensions of Wildlife*, 8(4), 285-304.
- Manfredo, M. J., J.J. Vaske and T. Teel. (2003) The Potential for Conflict Index: A Graphic Approach to Practical Significance of Human Dimensions Research. *Human Dimensions of Wildlife*, 8:3:219-228.
- Layden, P., M. Manfredo and P. Tucker. 2003. Land Use Planning Values and Perceived Responsibility in Wildlife Encounters: A case study of La Plata County, Colorado. *Wildlife Society Bulletin*, 31:1:174-184.
- Li, C.L., Zinn, H.C., Barro, S.C., & Manfredo, M.J., (2003). A cross-regional comparison of recreation patterns of older hunters. *Leisure Sciences*, 25:1-6.
- Zinn, H.C., Manfredo, M.J., & Barro, S.C. (2002). Patterns of wildlife value orientations in hunters' families. *Human Dimensions of Wildlife*, 7(3), 147-162.
- Whittaker, D., Manfredo, M. J., Fix, P. J., Sinnott, R., Miller, S., & Vaske, J. J. (2001). Understanding Beliefs and Attitudes About an Urban Wildlife Hunt: Moose Hunting Near Anchorage Alaska. *Wildlife Society Bulletin*, 29(4), 1114-1124.
- Zinn, H. C., M. J. Manfredo, and J. J. Vaske. 2000. Social psychological bases for stakeholder acceptance capacity. *Human Dimensions of Wildlife*, 5(3): 20-33.

Bright, A., M. J. Manfredo, and D. Fulton. 2000. Segmenting the public: An application of value orientations to wildlife planning in Colorado. *Wildlife Society Bulletin*, 28(1): 218-226.

Zinn, H. C., and M. J. Manfredo. 2000. An experimental test of rational and emotional appeals about a recreation issue. *Leisure Sciences*, 22: 183-194.

Manfredo, M. J., D. Fulton, J. Pate, and B. R. Gill. 1999. Public acceptance of wildlife trapping in Colorado. *Wildlife Society Bulletin*, 27(2): 499-508.

Manfredo, M. J., H. C. Zinn, L. Sikorowski, and J. Jones. 1998. Public acceptance of mountain lion management: A case study of Denver, Colorado, and nearby foothills areas. *Wildlife Society Bulletin*, 26(4): 964-970.

Wittmann, K., Vaske, J. J., Zinn, H. C., & Manfredo, M. J. 1998. Standards for lethal response to problem urban wildlife. *Human Dimensions of Wildlife*, 3(4), 29-48.

Zinn, H. C., Manfredo, M. J., Vaske, J. J., & Wittmann, K. 1998. Using normative beliefs to determine the acceptability of wildlife management actions. *Society and Natural Resources*, 11(7), 649-662.

Pierce, C. and M. J. Manfredo. 1997. A profile of North American wildlife agencies' viewing programs. *Human Dimensions of Wildlife*, 2:3:27-41

Manfredo, M. J., D. Fulton, and C. Pierce. 1997. Understanding voting behavior on wildlife ballot initiatives: The case of Colorado's Amendment 14. *Human Dimensions of Wildlife*, 2:4:22-39.

Beaman, J. J., J. J. Vaske, M. Donnelly and M. J. Manfredo. 1997. Individual versus aggregate measures of digit preferences. (Peer-edited) *Human Dimensions of Wildlife*, 2:1

Basman, C. M., M. J. Manfredo, S. C. Barro, J. J. Vaske, and A. Watson. 1996. Norm accessibility: An exploratory study of back country and front country recreation norms. *Leisure Sciences*, 18:177-191.

Pate, J., M. J. Manfredo, A. D. Bright, and G. Tischbein. 1996. Coloradan's attitude toward reintroducing the gray wolf into Colorado. *Wildlife Society Bulletin*, 24:3:421-428.

Barro, S. C. and M. J. Manfredo. 1996. Constraints, psychological investment, and hunting participation: Development and testing of a model. *Human Dimensions of Wildlife*, 1:3:42-61.

Manfredo, M. J. and H. C. Zinn. 1996. Population change and its implications for wildlife management in the new west: A case study of Colorado. (Peer edited) *Human Dimensions of Wildlife*, 1:3:62-74.

Bright, A. D. and M. J. Manfredro. 1996. The influence of balanced information on attitudes toward natural resource issues. *Society and Natural Resources*. 10:5:469-484.

Manfredro, M. J., B. L. Driver and M. Tarrant. 1996. Measuring leisure motivation: a meta analysis of the Recreation Experience Preference Scales. *Journal of Leisure Research*, 28:3:188-213.

Vaske, J. J., M. J. Manfredro, C. D. Covey, R. Knox, and J. Beaman. 1996. Response strategy, recall frame and digit preference in self-reports of angling participation. *Human Dimensions of Wildlife*, 1:4:

Bright, A. D., and M. J. Manfredro. 1996. A conceptual model of attitudes toward natural resource issues: A case study of wolf reintroduction. *Human Dimensions of Wildlife* 1:1:1-21.

Bright, A. D. and M. J. Manfredro. 1995. Moderating effects of personal importance on the accessibility of attitudes toward recreation participation. *Leisure Sciences*, 17:281-294.

Fulton, D. C., M. J. Manfredro, and J. Lipscomb. 1996. Wildlife value orientations: A conceptual and measurement approach. *Human Dimensions of Wildlife*.1:2:24-47.

Remington, T. E., M. J. Manfredro, J. J. Vaske, and S. DeMasso. 1996. Fee hunting pheasants in Colorado: Experimental evidence. *Human Dimensions of Wildlife* 1:1:50-59.

Barro, S.C., M.J. Manfredro, T.C. Brown, and G.L. Peterson. 1996. Examination of the predictive validity of CVM using an attitude-behavior framework. *Society and Natural Resources*, 9:2:111-124.

Bright, A.D., and M.J. Manfredro. 1995. The quality of attitudinal information regarding natural resource issues: The role of attitude-strength, importance, and information. *Society and Natural Resources*, 8:339-414.

Brown, T. C., S. C. Barro, M.J. Manfredro, and G. L. Peterson. 1995. Does better information about the good avoid the embedding effect? *Journal of Environmental Management*, 44:1-10.

Tarrant, M. A., J. Dattilo, B. L. Driver and M. J. Manfredro 1995. Physiological response patterning of verbal and mental recreation reminiscence. *Therapeutic Recreation Journal*, 3:147-162.

Tarrant, M. A., G. E. Haas, and M. J. Manfredro. 1995. Factors affecting visitor evaluations of aircraft overflights of wilderness areas. *Society and Natural Resources*, 8:351-360.

Barro, S.C., M.J. Manfredro, M. Wells. 1994. Cueing as a method effect in studies on

recreation choice. *Leisure Sciences*, 16:1:61-71.

Tarrant, M. A., M. J. Manfredro and B. L. Driver. 1994. Recollections of outdoor recreation experiences: A psycho-physiological perspective. *Journal of Leisure Research*, 26:4:357-371.

Bright, A., M. J. Manfredro, M. Fishbein, and A. Bath. 1993. Application of the Theory of Reasoned Action to the National Park Service's control burn policy. *Journal of Leisure Research*, 25:3:263-280.

Manfredro, M. J. and R. Larson. 1993. Managing for wildlife viewing recreation experiences: an application in Colorado. *Wildlife Society Bulletin*, 21:3:226-236.

Tarrant, M. A. and M. J. Manfredro. 1993. Digit preference, recall bias, and non-response bias in affecting self reports of angling participation. *Leisure Sciences*, 15:3:231-238.

Tarrant, M. A., M. J. Manfredro, P. Bailey, and R. Hess. 1993. The effects of recall bias and non-response bias on estimates of angling participation. *North American Journal of Fisheries Management*, 13:2:217.

Manfredro, M. J., S. Yuan, and F. McQuire. 1992. The influence of attitude accessibility on attitude-behavior relationships: Implications for recreation and research. *Journal of Leisure Research*, 24:2:157-170

Manfredro, M. J., and A. Bright. 1991. A model for assessing the effects of communication on recreationists. *Journal of Leisure Research*, 20:1:1-20.

Kerr, G. and M. J. Manfredro. 1991. An attitudinal based model of pricing recreation services. *Journal of Leisure Research*, 20:1:137-50.

Manfredro, M. J., M. Fishbein, A. Watson, and G. Haas. 1990. A national survey of public attitudes toward prescribed fire policy. *Journal of Forestry*, 88:7:19-23.

Johnson, R. and M. J. Manfredro. 1990. An evaluation of the relationship between nongame wildlife use and donation to nongame tax checkoff. *Society and Natural Resources*, 2:4:345-352.

Manfredro, M. J. 1989. Human dimensions of wildlife management. *Wildlife Society Bulletin*, 17:4:447-449.

Manfredro, M. J., J. Sneegas, B. L. Driver, and A. Bright. 1989. Hunters with disabilities: A survey of wildlife agencies and a case study of Illinois deer hunters. *Wildlife Society Bulletin*, 17:4:487-493.

Manfredro, M.J. 1989. An investigation of the basis for external information search in recreation and tourism. *Leisure Sciences*, 11:1:129-45.

- Manfredo, M.J. 1989. A test of assumptions inherent in attribute specific advertising. *Journal of Travel Research*, 27:3:8-13.
- Baas, J., M. J. Manfredo, D. Allen, and M. Lee. 1989. A test of the use of a brochure to increase participation in recreational charter fishing. *Journal of Travel Research*, 27:3:35-37.
- Manfredo, M. J. and B. Shelby. 1988. The effect of using self-report measures in tests of attitude-behavior relationships. *Journal of Social Psychology*, 128:6:731-744.
- Manfredo, M. J., M. Lee, and K. Ford. 1988. Alternative markets for Oregon charterboat operators affected by declining salmon allocations in Oregon. *Journal of Coastal Zone Management*, 16:3:215-227.
- Manfredo, M. J. 1988. Second-year analysis of donors to Oregon's nongame tax checkoff. *Wildlife Society Bulletin*, 16:2:221-224.
- Manfredo, M. J. 1987. The influence of activity importance and similarity on perception of recreation substitutes. *Leisure Sciences*, 19:1:77-86.
- Manfredo, M. J. and W. Haight. 1986. Oregon's nongame tax checkoff program: A comparison of donors and nondonors. *Wildlife Society Bulletin*, 14:2:121-126.
- Tinsley, H. E., B. L. Driver, S. B. Ray, and M. J. Manfredo. 1986. Stability of recreation experience preference (REP) ratings for samples and individuals across three measurement periods. *Educational and Psychological Measurement*, 46:4:1105-1111.
- Manfredo, M. J. 1984. The comparability of onsite and offsite measures of recreation needs. *Journal of Leisure Research*, 16:3:245-249.
- Manfredo, M. J., B. L. Driver, and P. J. Brown. 1983. A test of concepts inherent in experience based setting management for outdoor recreation areas. *Journal of Leisure Research*, 15:3:263-283.
- Brown, P. J. and M. J. Manfredo. 1982. Recreation opportunity spectrum planning - An arid lands case. *Australian Journal of Parks and Recreation*, (May, 1982):45-49 and The George Wright Forum 2:2:25-33.

Book Chapters

- Fulton, D.C. and M.J. Manfredo. (Draft) The Biological Context of Wildlife Values: Are there Etchings on the Slate? In preparation for the book Understanding human-wildlife relationships.

- Manfredo, M. J. (Draft). The Cultural Context of Wildlife Value Orientations. In Preparation for the book Understanding human-wildlife relationships.
- Manfredo, M. J. (Draft). Values Toward Wildlife. In preparation for the book Understanding human-wildlife relationships.
- Manfredo, M. J. (Draft). Emotional Responses to Wildlife. In preparation for the book Understanding human-wildlife relationships
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Bright, A. and M. J. Manfredo. 1993. An Overview of Recent Advancements in Persuasion Theory and Their Relevance to Natural Resource Management. In Culture, Conflict, and Communication. A. Ewert, D. Chavez, A. W. Magill (eds.) pp. 135-146. Westview Press, Boulder, CO.

Peterson, M. and M. J. Manfredo. 1993. Social Science and the Evolving Conservation Philosophy. In Conservation and Resource Management. S. K. Majumder, E. W. Miller, D. E. Baker, E. K. Brown, J. R. Pratt, and R. T. Schmalz (eds.) pp. 292-304. Pennsylvania Academy of Sciences.

Fishbein, M. and M. J. Manfredo. 1992. Applying theory of reasoned action in understanding and influencing recreation behavior. In Manfredo (ed.) pp. 29-50. Influencing Behavior: Theory and Applications in Recreation and Tourism, Sagamore Press, Champaign, IL.

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Brown, P. J. and M. J. Manfredo. 1987. Social values of wildlife. Chapter 2 in Valuing Wildlife Resources: Economic and Social Perspectives, D. J. Decker and G. R. Goff (eds.), Westview Press., Boulder, CO

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Books

Camarda, I., M. J. Manfredo, T. L. Teel, & F. Mulas (Eds.) 2004. *Global Challenges of Parks and Protected Areas Management: Proceedings of the 9th ISSRM*. Sassari, Italy: Carlo Delfino Editore.

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Manfredo, M. J. *Wildlife Viewing in North America: A Management Planning Handbook*. 2002. (Edited). Oregon State University Press.

Manfredo, M. J. 1993. *Influencing Human Behavior: Theory and Applications in Recreation, Tourism, and Natural Resources Management*. (Edited.) Sagamore Press, Champaign, Ill.

Video

Manfredo, M. J., & Pierce, C. L. (1999). *Revised planning for elk and deer management* [Video]. (Available from Colorado State University, Human Dimensions in Natural Resources Unit, Natural Resource Recreation and Tourism, 245 Forestry Building, Fort Collins, CO 80523).

Numerous Paper Proceedings, Abstracts, and Study Reports

Other Research Contributions

2008 Human Dimension of Fish and Wildlife Conference. Co-chair working to organize key non-government agencies to establish an ongoing collaboratively sponsored conference on human dimensions of wildlife. Activities at the conference are intended to increase the professionalism and practice of HD in wildlife management. NGOs involved include the Wildlife Society, American Fisheries Society, Organization of Wildlife Planners, International Association of Fish and Wildlife Agencies, Society for Conservation Biology, IUCNJ- World Commission on Parks, Society for Range Management, Wildlife Management Institute, University of Montana, Cornell University and Texas A&M University

Organizing a research study team on Global Wildlife Values. The first meeting was held in Fort Collins, CO with representatives from Thailand, Malaysia, Denmark, Germany, and the U.S. The second meeting held at Madison Wisconsin. Third meeting is proposed to be held September, 2006 in Switzerland.

Assisted in collaboration with IUCN, Taylor Francis, and Professor Jerry Vaske (Editor) to produce a special issue of the journal *Human Dimensions of Wildlife on Human-Wildlife Conflict*. Two thousand copies were distributed at the IUCN Congress conference in Bangkok, November 2004.

Participant on Waterfowl Think Tank assembled by the Wildlife Management Institute. The purpose of this group was to provide recommendations for how to bring human dimensions information to the waterfowl regulation process.

Co-chair, 10th International Symposium on Society and Resource Management. Participate in all phases of organizing, fund raising and planning for the 20 year anniversary International Symposium on Society and Resource Management. The event was held at Keystone, Colorado, June 1-6, 2004.

Co-sponsored/organized the session "Incorporating community values in wildlife management" on Wildlife Values at the International Conference of the Wildlife Society, December 1-5, Christchurch, New Zealand 2003.

Participated in the World Parks Congress, Durban South Africa in September. Was a

member of the task group on human wildlife conflict. The group's work led to the adoption of a recommendation dealing with the human-wildlife conflict. This and other recommendations from the Congress will guide IUCN activities over the next decade.

Committee Member to explore establishment of a new professional association entitled Society and Resource Management. Currently a board member of the organization.

Co-conference planner and coordinator of the 2001 International Symposium on Society and Resource Management. The theme of the symposium, which occurred in October, 2002, La Maddalena National Park, Sardinia, Italy, is "Global challenges of parks and protected area management".

Member of planning team to establish the Parks and Protected Area Management Consortium which includes Colorado State University, University of Montana, University of Idaho, and the U.S. Forest Service International Office.

Faculty advisor for a new graduate student organization, "Students in Human Dimensions of Natural Resources", which is hosted a regional conference, entitled "Human Dimensions of Natural Resources in the Western U. S.". The conference was held October 18-21, 2001, Alta, Wyoming

Planning Committee for The Western Association of Fish and Wildlife Agencies, July, 1999

Co-Chair, Congress on Recreation and Resource Capacity. Nov., 1999

Co-organized a workshop among state fish and wildlife agency directors & associate directors dealing with human dimensions needs among agencies, Feb. 4-6, 1998. Cooperators included Wildlife Management Institute, USDI Management Assistance Team, Organization of Wildlife Planners, Colorado Division of Wildlife.

Member of the Advisory Board for the Symposia on Society and Resource Management, 1996-P.

Program reviewer for the U.S.F.S. Rocky Mountain Forest and Range Experiment Station Project on Resource Valuation, 1996.

Program Co-chair for the Symposium on Human Dimensions of Natural Resources (SHDNR) in the Americas. This symposium emerged from the success of the Fifth International Symposium on Society and Natural Resources held at Colorado State University (SSNR). The SSNR has been held every other year at a location in the United States. The concept of the SHDNR was to offer off-year SSNR gatherings at locations other than the United States. The SHDNR will be held in Belize City, Belize, February 25 - March 2, 1997.

Co-Founder and Co-Editor of the *Human Dimensions of Wildlife (HDW)*. The mission of

HDW is to provide an open forum for natural resource managers and researchers to exchange current information on the human dimensions of fish and wildlife management.

Organized and lead Colorado State University's **Human Dimensions in Natural Resources Unit**. The primary purpose of the Unit is to provide social science expertise in conducting natural resource management. It serves both to gather and disseminate human dimensions information. The Unit conducts research, teaching and outreach activities in achieving its goals.

Program Chair for the Fifth International Symposium on Society and Resource Management (SSRM). The Human Dimensions Unit hosted the Fifth SSRM on June 7-10, 1994. The Symposium was attended by 700 people. The theme of the Fifth was "Improving Partnerships Between Researchers and Managers." The conference was sponsored by most of the major federal agencies which deal with natural resource policy (Bureau of Land Management, Soil Conservation Service, U.S. Forest Service, National Parks and Conservation Association, Parks Canada, Man and the Biosphere Program).

Initiated the Colorado Environmental Poll (CEP). The purpose of CEP is to provide Colorado's natural resource decision makers with timely information regarding natural resource issues. The first CEP was conducted in August 1992 and addressed issues regarding Colorado ballot initiatives (Spring Bear Hunt and Great Outdoors Colorado). The CEP will be conducted biannually.

Hosted a regional workshop on "Human Dimensions Information Needs in the Rocky Mountain Region", March, 1992. The workshop was attended by over 30 natural resource managers from the region (Colorado DNR, Colorado DOW, U.S. Fish and Wildlife Service, U.S. Forest Service, Bureau of Land Management) and resulted in the identification of the key human dimensions concerns in the region.

Member of review team for study proposal to investigate social and cultural causes for declining hunting participation. Funded by International Association of Fish and Wildlife Agencies to Cornell University.

Co-hosted participation in a national teleconference on hunting and anti-hunting in the United States. The teleconference was attended by a wide cross section of academicians, people from the local community, and natural resource managers.

Guest Editor for Vol. 2, Number 4 issue of Journal of Society and Natural Resources dealing with Human Dimensions in Wildlife.

Co-editor for Vol. 17, Number 4 issue of Wildlife Society Bulletin on Human Dimensions in Wildlife Management. This was the first Bulletin issue devoted to the human dimensions topic.

Associate Editor, Leisure Sciences, 1986-1989.

Associate Editor, Journal of Leisure Research, 1989 - 1992.

Reviewer for Journal of Leisure Research, Leisure Sciences, Forest Science, Wildlife Society Bulletin, Landscape Architecture, Society and Natural Resource, Journal of Forestry, several books, workshop presentations and publications and agricultural experiment station bulletins.

Consultant for City of Boulder. 1991-1993. Estimating recreation use on Boulder Open Space.

Consultant for USFS Rocky Mountain Forest and Range Experiment Station. 6/90 - 6/92. A Meta-analysis of recreation experience preference studies conducted between 1975 and 1989.

Moderator for session of impacts of activities outside wilderness on wilderness recreation settings. 1989 Conference on Wilderness Management, St. Paul, Minnesota.

Invited testimony for the House of Representatives Oversight Committee on the State of Wilderness Management in the U.S. Forest Service, August, 1989.

Program committee - Second Symposium on Social Science in Natural Resources, May, 1989. Involved in all phases of the symposium including fund raising, organization, and planning for publications.

Consultant for Fleishman-Hilliard, St. Louis, Illinois. 1988. Expert evaluation and assessment of Illinois State Parks for tourism potential.

Moderator for session on Cultural Impacts of Natural Resource Activities, First Symposium on Social Science in Natural Resources, May, 1987. Oregon State University.

Member of a Forestry Lab research team which initiated the Coastal Oregon Productivity Enhancement program and proposals, 1986.

Conference coordinator for the National Wilderness Research Conference, a major interdisciplinary research conference dealing with wilderness. July, 1985. Colorado State University, Fort Collins, CO. Two major publications arising from this include a book, Wilderness: A Review of Research from invited papers given at the conference, and a proceeding of offered papers given at the conference.

Outside reviewer for a major National Park Service research project directed toward determining visitors' perceptions of air quality. Colorado State University. Spring 1983.

Moderator for Human Dimensions in Fish and Wildlife Management session for the 1981 National Recreation and Parks Association Symposium, St. Paul, Minnesota.

TEACHING

Courses Taught

Undergraduate

Freshman Seminar
Introduction to Outdoor Recreation
Parks and Recreation Area Analysis
Outdoor Recreation Planning Techniques
Wilderness in America
Microcomputer Applications in Natural Resource Management
Wilderness Management
Social Behavior and Resource Management
Outdoor Recreation Field Course and Consortium
Recreation Management Planning
Human Dimensions in Natural Resources

Graduate

Seminar: Multiple Uses of the Values Concept in Social Science Research
Concepts in Forest Recreation Planning
Issues in Recreation and Tourism
Theoretical Perspectives in Recreation Research
Seminar in Influencing Human Behavior- Theory and Applications in Recreation and Tourism
Regional and Community Tourism Development
Recreation Behavior Theory

Graduate Students

Dr. John Baas, ER Associates, San Francisco, CA
Dr. Michael Tarrant, Associate Professor, University of Georgia
Dr. Alan Bright, Associate Professor, Colorado State University
Dr. Susan Barro, Research Social Scientist, U.S. Forest Service, Chicago, IL
Dr. David Fulton, USFWS Cooperative Studies Unit, U. of Minn.
Dr. Harry Zinn, Associate Professor, Penn State University
Dr. Cem Basman , Assistant Professor, University of Indiana
Paul Layden – M.S., Instructor, Colorado State University
Peter Fix – Assistant Professor, University of Fairbanks, AK
Tara Teel – Assistant Professor, Colorado State University
Ashley Dayer – M.S. Candidate
Susan Stewart – M.S. Candidate
Holly Stinchfield – Ph. D. Candidate

Workshop Programs Developed

Taught “Wildlife Value Shift in the West”. Futuring Workshop to WArizona Game and Fish Department Director’s Staff, Phoenix, AZ, January 2006.

Taught “Wildlife Value Shift in the West”. Futuring Workshop to Wyoming Department of Fish and Game Director’s Staff, Cheyenne, WY December 2005.

Taught “Wildlife Value Shift in the West”. Futuring Workshop to to Montana Fish, Wildlife and Parks Executive Staff, Helena MT. October 2005.

Organized and taught "Wildlife Viewing: A Management Planning Workshop", April, 2004, University of Fairbanks, AK

Organized and taught "Wildlife Viewing: A Management Planning Workshop", September, 2003, Umfolozi National Park, South Africa

Organized and taught "Wildlife Viewing: A Management Planning Workshop", May 17-19, 2000, Snow Mountain Ranch, Winter Park, CO.

Organized and taught "Wildlife Viewing: A Management Planning Workshop", September 10, 2000, Northeastern Region, Colorado Division of Wildlife.

Organized and taught "Wildlife Viewing: A Management Planning Workshop", September 12, 2000, Watchable Wildlife Conference, Cody, Wyoming.

Instructor on Recreation Measurement. U. S. Forest Service Silviculture Institute, Colorado State University, Fort Collins, Colorado, 1993-1995.

Co-instructor for Workshop on "Human Dimensions in Wildlife Management". April, 1992 at Colorado Springs for Colorado Division of Wildlife.

Co-instructor, Workshops on Geographic Information Analysis held cooperatively with Yale University. Between 1981-1986, 7 courses were offered with 131 participants, mostly representatives from land management agencies.

In 1982 developed an Introductory Computer Workshop for Natural Resource Managers. The program was offered 5 times with an enrollment of 112 participants, mostly representatives from land management agencies. Average evaluation was 1.9 on a 5 point scale where 5 was poor and 1 was excellent.

Participation in Workshops

Instructor at the Forest Service short course on the topic of Recreational Carrying Capacity, Clemson University, Fall 1979.

Instructor at workshop "Renewable Resources Inventory for Monitoring Changes and Trends" on topic of the use of microcomputers in Natural Resource Management. Oregon State University, Fall 1983.

Instructor on the use of microcomputers in natural resource management at Executive Program on Management for Natural Resource Managers, Pennsylvania State University, Winter 1983.

Instructor on the role of computers in river recreation management at the National River Recreation Research Conference, Louisiana State University, Fall 1984.

Instructor on geographic information systems. Managing People in Parks and Forests, Oregon State University, Fall 1985.

Selected Invited Presentations

“The Effects of Chronic Wasting Disease on Hunter Behavior”. w/ J. Vaske Presentation at the Mid-Winter Directors Meeting at the Western Association of Wildlife Agencies in San Diego, CA January, 2005

“Wildlife Value Shift in the West.” w/ Tara Teel. Presentation at the Directors Meeting at the Annual Western Association of Wildlife Agencies in Alberta, Canada. July, 2005

“Has the world changed or have I? Understanding the effects of a changing society on wildlife management”. w/ T. Teel. Invited presentation at the 2005 Organization of Wildlife Planners (OWP) Annual Meeting, Custer State Park, SD.

“ Changing public values: Implications for fish and wildlife management”. W/ T. Teel. Invited presentation at the 2005 Rocky Mountain Region’s Wildlife/Fish/Range Workshop, Broomfield, CO.

“Understanding the possibilities of Nebraska’s wildlife legacy in 21st Century society.” w/ T. Teel Invited presentation at the 2004 Nebraska Wildlife Division Meeting, Fort Robinson, NE

“Concepts Guiding Management And Research on Human-Wildlife Conflict in the United States: The Human Dimensions Perspective” Presentation at the World Parks Congress, September, 2003.

Wildlife Values in the Western U.S. Presented to the Arizona Wildlife Commission. Tuscon, February 21, 2003.

Wildlife Values in the Western U.S. Presented at the Annual South Dakota Wildlife Agency Workshop, Sioux Falls, April 4, 2003.

Wildlife Values in the Western U.S. Presented at the Western Association of Wildlife Agencies Director's Meeting, Albuquerque, NM., July, 2002.

Changing Values Toward Wildlife and Effects on Acceptance of Predator Management. World Wildlife Fund, Sweden, March 2002.

Future Challenges of Human Dimensions of Natural Resources. Artic Science Conference, September, 2001, Anchorage Alaska

"Planning for Wildlife Viewing Experiences", Watchable Wildlife Conference, September, 2001, St. Paul, Minn.

"Key Elements of Visitor Management in Parks and Protected Areas". May, 2001, University of Sassari, Italy.

"Revising CDOW's Big Game Planning System". Steamboat Springs, July, 2000. Presentation to the Colorado Wildlife Commission.

Human Dimensions of Wildlife Workshop Series, Annapolis Maryland January 6-9, 2000.

"Influencing Human Thought and Behavior in Natural Resources." March 18, 1999. Presentation to Interagency Coalition of Information Specialists in Colorado.

"Influencing Human Thought and Behavior in Natural Resources." April 6, 1999. Presentation to the Colorado Wildlife Commission.

The Philosophical Origins of Parks and Protected Areas in the United States. April, 1999. University of Sassari, Italy.

The Societal Context for Ballot Initiatives. July 9, 1999. Western Association of Fish and Wildlife Agencies, Durango, CO

"Changing Values Toward Wildlife in North America". August, 1999. Presentation to the Idaho Fish and Game Annual Biologist's Meeting, Island Park.

"Origins, practice and promise of human dimensions of wildlife" Invited plenary talk. Western Section of the Wildlife Society, Sacramento, CA.

"What is the future for human dimensions of wildlife?" North American Natural Resources and Wildlife Conference, Orlando, FL.

"A Conservation Philosophy for the 21st Century." Invited plenary talk for the Northeast Recreation Research Conference, April 4-7, Bolton Landing, NY

“A Model for Applying Human Dimensions in Natural Resource Management”
Presentation to Region 2 Meeting of the U. S. Forest Service, January 15, 1997.

“Preparing for the future of wildlife viewing programs in the United States”. Presented at the Fourth Annual Watchable Wildlife Conference, Estes Park, Colorado, September 19 - 23, 1995.

“Public opinion regarding mountain lion management along Colorado’s Front Range”.
(With H. Zinn) Western Association of Fish and Wildlife Agencies 75th Annual Conference.

“Population change and its implication for wildlife management in the new west: A case study of Colorado.” Paper presented at the Western Association of Fish and Wildlife Agencies Annual Meeting, Big Sky, Montana, July 17-20, 1995.

“The human dimensions of watchable wildlife programs.” Paper presented at the National Watchable Wildlife Conference. Burlington, Vermont. October 26-29, 1994.

“National Park Conditions: A Survey of National Park Superintendents.” Paper presented at the National Parks and Conservation Association Annual Meeting, San Francisco, CA, May 18, 1994.

“The evolving conservation philosophy.” Presented at Colorado Chapter of the Wildlife Society Annual Meeting, Fort Collins, Colorado, January, 1994.

"What we know about changing public values toward wildlife". Western Association of Fish and Wildlife Agencies, May, 1994, Anchorage, Alaska.

"Human Dimensions of Wildlife Management". Montana Fish, Wildlife and Parks, Information and Education Division, July, 1993.

“Coloradoans’ recreational uses of and attitudes toward wildlife.” Presented at the Governor’s Conference, Denver, Colorado, July, 1993.

“Human dimensions in natural resources.” Presented at Workshop on Integrating Human Dimensions Research and Natural Resource Management in the Rocky Mountain Region. Fort Collins, Colorado, March 4-6, 1992.

“ A National Survey of public attitudes toward prescribed fire policy.” 1989 Regional Meeting of Society of American Foresters. Fort Collins, CO.

“Social Science and Fisheries Management”, 1988 - Keynote Speaker at Illinois Division of Fisheries Annual Meeting.