

John B. Loomis, Professor
Department of Agricultural and Resource Economics
Colorado State University, Glenwood Springs, CO 81601
(970) 226-4052 John.Loomis@colostate.edu

11-2023

EDUCATION

Colorado State University	Ph.D.	Economics	12/83
(Fields: Environmental & Natural Resource Economics, Public Finance and Forest Economics)			
California State University, Northridge	M.A.	Economics	1/77
California State University, Northridge	B.A.	Economics	8/75

AWARDS AND HONORS

Fellow, Agricultural and Applied Economics Association (AAEA) 2014
Fellow, Association of Environmental and Resource Economists (AERE), 2013
Distinguished Career Award, College of Agricultural Sciences, Colorado State University, 2012
Publication of Enduring Quality, Agricultural and Applied Economics Association (AAEA), 2009.
Outstanding Journal Article for 2008, *Journal of Agricultural and Applied Economics*.
Distinguished Scholar, Western Agricultural Economics Association, 2004
Distinguished Publication Award, USDA Forest Service, Pacific Southwest Research Station, 2000
Quality Performance Award, U.S. Fish and Wildlife Service, 1985

PUBLICATIONS

Five books, including *Integrated Public Lands Management* published by Columbia University Press, *Recreation Economic Decisions, 2nd ed.*, *Environmental Policy Analysis for Decision Making*, *Determining the Economic Value of Water, 2nd Edition* plus 271 articles in journals including Land Economics, American Journal of Agricultural Economics, Public Finance Quarterly, Review of Economics and Statistics, Environmental & Resource Economics, Journal of Forestry, Water Resources Research and Journal of Environmental Economics and Management. Have published 83 book chapters/proceedings paper and 27 Experiment Station or Government Reports. See attached listing.

POSITIONS IN PROFESSIONAL SOCIETIES & ADVISORY ROLES

Associate Editor, *American Journal of Agricultural Economics* (2012-2015)
Independent External Panel Reviewer, U.S. Army Corps of Engineers, 2010-present
Vice President, Association of Environmental and Resource Economists (2000-01)
Co-Editor, Association of Environmental and Resource Economists Newsletter (1998 to 2017)
Associate Editor (1989-92), *Water Resources Research*; *American Journal of Agricultural Economics*
Editorial Council Member (1998-2000), *Journal of Agricultural and Resource Economics*

WORK EXPERIENCE

8/93 to present: Professor, Department of Agricultural and Resource Economics, Colorado State University, Fort Collins, CO.
8/85 to 7/93: Associate Professor, Division of Environmental Studies & Department of Agricultural Economics, University of California, Davis, CA.
3/80 to 7/85: Economist, U.S. Department of Interior, U.S. Fish and Wildlife Service, Ft. Collins, CO.
8/77 to 2/80: Economist, U.S. Bureau of Land Management, Moab, UT

SELECTED GRANTS 1993-2021: Principal Investigator on \$5.9 million; Co-PI on additional \$2.25 million

National Science Foundation NSF)-Multi-Institution Bio-Complexity Grant	\$1.7 million (Lead PI)
US Forest Service and US DOI- Fire Economics Research Grants (PI),	\$1.5 million
US Forest Service-Cost of Fire Suppression and Fuel Treatments (PI)	\$450,000
Bureau of Reclamation - Economic Value of Endangered Species, (PI)	\$53,000
USEPA - Measuring Societal Perceptions, Attitudes and Values, (PI)	\$115,000
USGS. Economic Valuation of Ecosystem Services, (PI)	\$169,000
USEPA- Valuing Children's Health (Co-PI)	\$395,000
US Forest Service-Economic Analysis of Air Quality Impacts: (PI)	\$252,000
US Bureau of Land Management: Study of the Effects of Social Impacts	\$125,461
USDA Effects of Conservation Reserve Program Lands on Outdoor Recreation (PI)	\$250,000
Total Economic Value of National Parks & Programs (PI)	\$395,000
NPS Residential Property Value Analysis of National Park Units	\$175,000

LEGAL/EXPERT WITNESS

1. Expert Witness for State of Idaho Attorney General in a fish kill case. I prepared an expert report, was deposed, qualified as an expert by Federal District Court in Idaho, and testified at trial in U.S. District Court of Idaho. 1991.
2. Expert Witness for California Attorney General's office regarding Lake Tahoe landowner litigation. I prepared an expert report, was qualified as an expert by Federal District Court in Nevada, and testified at trial in U.S. District Court of Nevada. 1998.
3. Expert witness for a landowner whose property (including forests) were damaged by U.S. West, when the company was laying telephone cable. I prepared an expert report and was deposed. The case settled out of court.
4. . Expert witness for the Arizona Attorney General's office on a case of loss of bighorn sheep. Prepared an expert report. Case was settled out of court. April 2006.
5. Expert witness in a dispute in Wyoming over the economic damage that energy development had to elk habitat on a split estate (minerals owned by federal government, surface owned by private rancher). I prepared an expert report. Direct testimony (including exhibits) was prepared for trial. Settled out of court. July 2012.
6. Assisted the State of Florida in its Natural Resource Damage Assessment in the BP Gulf Oil Spill case. Helped to prepare the background research on Florida recreation and tourism impacts due to the spill as well as the passive use/non-use value of the general public. Information was used by the State of Florida in its negotiation with BP. January 2011-March 2012
7. Expert witness for U.S. Dept. of Justice on reliability and validity of surveys conducted by a landowner on the potential value of development of their private land in proposed federal government acquisition of the property. Prepared expert report and was deposed. 2016-2018

ADVISOR/EXTERNAL REVIEWER

1. Served on 10 U.S. Army Corps of Engineers Independent External Panel Reviews
2. Science Advisor to Grand Canyon Monitoring and Research Center

CONSULTING SERVICES

1. Served as a consultant in various roles including:
 - a. reviewer/quality assurance role,
 - b. analyst (statistical, spreadsheet)
 - c. aiding in scoping studies
 - d. designing a wide variety of surveys (CVM, Choice Experiments, recreation)
 - e. training courses in recreation valuation, non-market valuation, benefit-cost analysis, benefit transfer.
 - f. Conducting hedonic property value analyses
2. Companies and agencies include Booz-Allen Hamilton, Ducks Unlimited, BBC Consulting, Earth Economics, National Park Service, Federal Energy Regulatory Commission, Industrial Economics, Natural Resources Defense Council, National Renewable Energy Lab, and U.S. Bureau of Economic Analysis.

I. BOOKS

Valuing U.S. National Parks and Programs: America's Best Investment. 2019. Routledge Press.
<https://www.routledge.com/Valuing-US-National-Parks-and-Programs-Americas-Best-Investment/Bilmes-Loomis/p/book/9781138483125>

With Co-Editor Linda Bilmes, Harvard University.

Determining the Economic Value of Water: Concepts and Methods, 2nd edition.
Resources for the Future Press (Taylor & Francis) with Robert Young, 2014 .

Integrated Public Lands Management: Principles and Applications to National Forests, Parks and Wildlife Refuges, and BLM Lands. Columbia University Press, New York, NY. 1993. 2nd Edition. 2002.

Environmental Policy Analysis for Decision Making. Kluwer Academic Publishers, 2001. Co-authored with Gloria Helfand.

Recreation Economic Decisions: Comparing Benefits and Costs. 2nd, Edition. Venture Publishing, State College, PA. 1997. Co-authored with Richard Walsh.

II. SCIENTIFIC JOURNAL ARTICLES

271. Homeowners Willingness to Pay to Reduce Wildfire Risk in Wildland Urban Interface Areas: Implications for Targeting Financial Incentives. *International Journal of Disaster Risk Reduction.* 68(1). 2022. With J. Sanchez, T. Holmes and A.Gonzalez-Caban. <https://doi.org/10.1016/j.ijdr.2021.102696>

270. Valuing Impacts of Proximity to Saguaro National Park on House Prices. *Applied Economic Perspectives and Policy* 2021. 44(3):1359-1372. DOI: 10.1002/aepp.13196. With J. Mueller, L. Richardson and R. Fitch.

269. Economics of the Conservation Reserve Program and the Wildlife it Supports: A Case Study of Upland Birds in South Dakota. *Journal of Outdoor Recreation and Tourism* 35: 1-8. 2021. W. Gascoigne, R. Hill, M. Haeefe, J. Loomis and S. Hyberg.

268. Do Fuel Treatments in U.S. National Forests Reduce Wildfire Suppression Costs and Property Damage?. *Journal of Natural Resources Policy Research* 9(1) 42-73. 2019. With J. Sanchez, D. Rideout, A.Gonzalez-Caban.

267. A Method to Value Nature-related webcam viewing: The Value of Virtual Use with Application to Brown Bear Webcam Viewing. 2019. *Journal of Environmental Economics and Policy* 7(4): 452-462.

266. Do Economic Values and Expenditures for Viewing Waterfowl in the U.S. Differ among Species? *Human Dimensions of Wildlife* 23(6): 587-596. With 11 other authors (U of AZ, USGS, Ducks Unlimited).

265. Multi-country Willingness to Pay for Transborder Migratory Species Conservation: A Case Study of Northern Pintails. 2018. *Ecological Economics* 157:321-331. With M. Haeefe and 11 others (U of AZ, USGS, USFWS).

264. Understanding Agricultural Producers' Willingness to Undertake Self-Monitoring of Environmental Outcomes: Results of a Choice Experiment with Colorado Agricultural Producers. 2018. *Journal of Natural Resources Policy Research* 8: 1-21. With W. Gascoigne.

263. Economic Contributions to the Colorado Economy and Benefits to Visitors from Water-Based Recreation. *Colorado Water* July /August 2018.

262. Willingness to Pay for Conservation of Transboundary Migratory Species: A Case Study of the Mexican Free-Tailed Bat in the United States and Mexico. 2018. *Environmental Management* 62: 229-240. With M. Haeefe (lead author), Loomis (2nd author) and 11 other authors (U of Arizona, U of Tennessee, USGS).

261. Valuing Environmental Public Goods: Deliberative Citizen Juries as a Non-Rational Persuasion Method. *Journal of Sustainable Development* 11(3): 135-157. With S. Geleta, J. Janmaat, & S. Davies.

260. An Information Theoretic Approach to Estimating Willingness to pay for River Recreation Site Attributes. *Water Resources and Economics* 21: 17-28. With M. Henry and R. Mittelhammer, Washington State U.
259. Challenges and Solutions to Applying the Travel Cost Demand Model to Geographically Remote Visitor Destinations: A Case Study of Bear Viewing at Katmai National Park and Preserve. 2017. *Human Dimensions of Wildlife* 22(6): 550-563. With L. Richardson (NPS) and C. Huber (USGS).
258. How Sensitive Are Environmental Valuations to Economic Downturns. 2017. *Ecological Economics* 140: 235-240. With M. Loureiro.
257. Is Willingness to Pay for Freshwater Quality Improvement in Pakistan Affected by Payment Vehicle? Donations, Mandatory Government Payments or Donations to NGO's. *Environmental Economics and Policy Studies*, 19(4): 807-818. With S. Syed and D. Hoag. 2017.
256. Economic Valuation of River Restoration: An Analysis of the Valuation Literature and its uses in Decision-making. *Water Resources and Economics* 17: 9-19. 2017. with John Bergstrom.
255. Quantifying Market and Non-market Benefits and Cost of Hydraulic Fracturing in the United States: A Summary of the Literature. *Ecological Economics* 138: 160-167. 2017. with Michelle Haefele.
254. The Total Economic Value of the U.S. National Park Service Estimated to be \$92 billion: Implications for Policy. *The George Wright Forum* 33(3): 335-345. 2016. With M. Haefele and L. Bilmes.
253. The Role of Economic Benefit Measures in Recreation Planning and Management. *Journal of Park and Recreation Administration* 34(4): 106-108. 2016.
252. Consumer preferences for fixed versus variable quantities of electricity: joint estimation of contingent quantity and valuation methods', *Environment and Development Economics*, pp. 1-23. 2016. with Dale Manning.
251. Valuing Morbidity Effects of Wildfire Smoke Exposure from 2007 Southern California Wildfires. *Journal of Forest Economics* 25: 29-54. With I. Kochi, P. Champ and G. Donovan. 2016.
250. Estimating Urban Households' Willingness-to-Pay for Upland Forest Restoration in Vietnam. *Open Journal of Forestry* 6: 191-198. 2016. with Q. Kuhc, M. Alhassan, T. Tran and M. Paschke.
249. A Synthesis of the Economic Values of Wilderness. *Journal of Forestry* 114(3): 320-328. With T. Holmes, J. Bowker, J. Englin, E. Hjerpe, S. Phillips, and R. Richardson. 2016.
248. Valuing Urban Tropical River Recreation Attributes Using Choice Experiments. *Environment and Natural Resources Research* 6(2). Online (<http://www.ccsenet.org/journal/index.php/enrr/article/view/60072>), With L. Santiago, A. Ortiz and A. Torres, University of Puerto Rico. 2016.
247. Linking Ecological Data and Economics to Estimate the Total Economic Value of Improving Water Quality by Reducing Nutrients. *Ecological Economics* 118: 1-9. 2015. With N. Nelson, P. Jakus, M Kealy, N Stackelburg, and J. Ostermiller. 2015.
246. Are Housing Prices Pulled Down or Pushed Up by Fracked Oil and Gas Wells? A Hedonic Price Analysis of Housing Values in Weld County, Colorado. *Society and Natural Resources* 28(5): 1168-1186. 2015. With A. Bennett.
245. Non-Market Benefits of Reducing Environmental Effects of Potential Wildfires in Beetle Killed Trees: A Contingent Valuation Study. *Journal of Sustainable Forestry* 34(8): 720-737. With M. Tabatabaei and D. McCollum. 2015.
244. The Role of Benefit Transfer in Ecosystem Service Valuation. *Ecological Economics* 115: 51-58. With L. Richardson, T. Kroeger and F. Casey. 2015.

243. Valuing Geospatial Information: Using the Contingent Valuation Method to Estimate the Economic Benefits of Landsat Satellite Imagery. *Photogrammetric Engineering and Remote Sensing*. 81(8): 647-656. With S. Koontz, H. Miller and L. Richardson. 2015.
242. Relative Economic Values of Open Space Provided by National Forest and Military Lands Surrounding Communities. *Growth and Change* Vol 46(1): 81-96. With C. Ham and P. Champ. 2015.
241. Economic Values of Agritourism to Visitors: A Multi-destination Hurdle Travel Cost Model of Demand. *Tourism Economics* 20(5): 1047-1065. With R. Hill, D. Thilmany, M. Sullins. 2015.
240. National Valuation of Monarch Butterflies Indicates Untapped Potential for Incentive Based Conservation. *Conservation Letters* 7(3): 253-262. With J. Diffendorfer (lead author); Loomis 2nd author & 11 others. 2014.
239. Does the Estimated Impacts of Wildfires Vary with Housing Price Distribution? A Quantile Regression Approach. *Land Use Policy* 41: 121-127. 2014. with Julie Mueller, No. AZ University.
238. Strategies for Overcoming Hypothetical Bias in Stated Preference Surveys. *Journal of Agricultural and Resource Economics* 39(1): 34-46. 2014
237. Economic Value of Instream Flow for Non-Commercial Whitewater Boating Using Recreation Demand and Contingent Valuation Methods. *Environmental Management* 53(3): 510-519. 2014. with J. McTernan.
236. International Public Preferences and Provision of Public Goods: Assessment of the Passive Use Values in Large Oil Spills. *Environmental and Resource Economics* 56: 521-534. 2013. with M. Louriero.
235. Effects of Construction and Operation Phases on Residential Property Prices of the Caribbean's First Modern Rail Transit System. *Urban Public Economics Review* 17:57-78 (2012 but appeared 2013) with L. Santiago.
234. Economic Valuation of Beach Quality Improvements: Comparing Incremental Attribute Values Estimated from Two Stated Preference Valuation Methods. *Coastal Management* 41: 75-86. 2013. With L. Santiago.
233. Using Revealed Preference Behavioral Models to Correctly Account for Substitution Effects in Economic Impact Analysis. *Journal of Regional Analysis and Policy* 43(2): 157-169. With D. Deisenroth, and C. Bond.
232. The Effects of Personal Experience on Choice-Based Preferences for Wildfire Protection Programs. *International Journal of Wildland Fire* 22: 234-245. 2013. with T. Holmes, A.G. Caban, and J. Sanchez.
231. Estimating Farmers' Willingness to Pay for Improved Irrigation: An Economic Study of the Bontanga Irrigation Scheme in Northern Ghana. *Journal of Agricultural Science* 5(4). 2013. Marshall Frasier, et al.
230. A Spatial Probit Modeling Approach to Account for Spatial Spillover Effects in Dichotomous Choice Contingent Valuation Surveys. *Journal of Agricultural & Applied Economics* 45: 53-63. with J. Mueller. 2013.
229. Do Respondents Report Willingness to pay on a Per Person or Per Group Basis? A High Mountain Recreation Example. *Tourism Economics* 19(1): 133-145. with C. Keske and G. Lohman. 2013.
228. Valuing Morbidity from Wildfire Smoke: A Comparison of Revealed and Stated Preference Techniques. *Land Economics* 89(1): 76-100. With L. Richardson and P. Champ. 2013.
227. A Policy Analysis of the Collaborative Upper Colorado River Basin Endangered Fish Recovery Program: Cost Savings or Cost Shifting? *Natural Resources Journal* 52(2): 337-362. With J. Ballweber. 2012.
226. Bayesians in Space: Using Bayesian Methods to Inform Choice of Spatial Weights Matrix in Hedonic Property Analyses. *The Review of Regional Studies* 40(3): 245-255. Publication date 2010, appeared in 2012. With J. Mueller.
225. Ways to Make Stated Preference Methods more Valuable to Public Land Managers. *Western Economic Forum* 9(1): 22-29. Spring 2012.

224. The Economic Contribution of the Private Recreation-Based Aquaculture Industry in the Western United States. *Aquaculture Economics and Management* 16:1-21. 2012. with D. Deisenroth and C. Bond.
223. Accounting for Heterogeneity of Public Lands in Hedonic Property Models. *Land Economics* 88(3): 444-456. with C. Ham, P. Champ and R. Reich. 2012.
222. Comparing Economic Values of Trout Anglers and NontROUT Anglers in Colorado's Stocked Public Reservoirs. *North American Journal of Fisheries Management* 32: 202-210. 2012. With K. Ng.
221. Comparing Fire Protection and Improvement Values at Four Major US National Parks and Assessing Potential for Generalized Value Categories. 2012. *International Journal of Safety and Security Engineering* 2(1): 1-12. With D. Rideout, P. Ziesler and Y. Wei.
220. Comparing Household's Total Economic Values and Recreation Value of Instream Flow in an Urban River. *Journal of Environmental Economics and Policy* 1(1): 5-17. 2012.
219. The Hidden Costs of Wildfires: Economic Valuation of Health Effects of Wildfire Smoke Exposure in Southern California. *Journal of Forest Economics*, 18: 14-35. With L. Richardson and P. Champ. 2012.
218. Did the Great Recession Reduce Visitor Spending and Willingness to Pay for Nature-Based Recreation: Evidence from 2006 and 2009. *Contemporary Economic Policy*. 30(2):238-246. 2012. With C. Keske. 2012.
217. Valuing Mortality Impacts of Smoke Exposure from Major Southern California Wildfires. *Journal of Forest Economics* 18: 61-75. With I. Kochi, P. Champ, and G. Donovan. 2012.
216. A New Approach to Value Urban Recreation Using Visitors' Time Allocations. *Urban Public Economic Reviews* 14: 13-24. 2011.
215. What's to Know about Hypothetical Bias in Stated Preference Valuation Studies. *Journal of Economic Surveys* 25(2): 363-370. 2011.
214. Testing Differences in Estimation of River Recreation Benefits for International and Domestic Tourists as a Function of Single versus Multiple-Destination Trips. *Journal of Hospitality Marketing & Management* 20: 143-165. 2011. with L. Santiago.
213. Incorporating Distributional Issues into Benefit Cost Analysis: Why, How, and Two Empirical Examples Using Non-market Valuation. *Journal of Benefit Cost Analysis* 2(1): Article 5. Berkeley Electronic Press. 2011.
212. Comparing Tourists' Behaviour and Values of Land Use Changes. *Journal of Environmental Planning and Management* 54(1): 55-69. 2011. With L. Ellingson and A. Seidl.
211. Forest Service Use of Nonmarket Valuation in Fire Economics: Past, Present, and Future. *Journal of Forestry* 108(8): 389-396. with Armando Gonzalez-Caban (USFS). 2010.
210. The Economic Cost of Adverse Health Effects from Wildfire-Smoke Exposure: A Review. *International Journal of Wildland Fire* 19: 803-817. 2010. With I. Kochi, G. Donovan, P. Champ.
209. Do CVM Estimates Suffer from On-Site Sampling Bias? A Comparison of On-Site and Visitor Surveys. *Agricultural and Resource Economics Review* 39(3): 561-570. 2010. with J.M. Gonzalez-Sepulveda.
208. An Improved Method for Calibrating Purchase Intentions in Stated Preference Demand Models. *Journal of Agricultural and Applied Economics* 42(4): 679-693. 2010. with Steve Davies, CSU.
207. Willingness to Pay Function for Two Fuel Treatments to Reduce Wildfire Acreage: A Scope Test and Comparison of White and Hispanic Households. *Forest Policy and Economics* 11: 155-160. 2009. With Le Trong Hung and A. Gonzalez-Caban.

206. Economic Valuation of Environmental Damages due to the Prestige Oil Spill in Spain. *Environmental and Resource Economics* 44:537-553. 2009 with M. Loureiro and M. Xose-Vazquez.
205. A Comparison of Actual and Hypothetical Willingness to Pay of Parents and Non-Parents for Protecting Infant Health: The Case of Nitrates in Drinking Water. *Journal of Agricultural and Applied Economics*, 41,3(December 2009):697-712. With P. Bell, H. Cooney and C. Asmus.
204. Using Numerical Dynamic Programming to Compare Passive and Active Learning in Adaptive Management of Nutrients in Shallow Lakes. 2009. *Canadian Journal of Agricultural Economics* 57: 555-573. with Craig Bond.
203. Non-Market Valuation of Off-Highway Vehicle Recreation in Larimer County, Colorado: Implications for Trail Closures. *Journal of Environmental Management* 2009. 90(1): 3490-3497. With D.Deisenroth, and C. Bond.
202. The Economic Value of Novel Means of Ascending High Mountain Peaks: A Travel Cost Demand Model of Pikes Peak Cog Railway riders, automobile users and hikers. *Tourism Economics* 15(2): 426-436. 2009. With Catherine Keske.
201. Recreation Benefits of Natural Area Characteristics at El Yunque National Forest. *Environmental Planning and Management* 52(4): 535-547. With Luis Santiago. 2009.
200. A Hybrid Individual-Zonal Travel Cost Model for Estimating the Consumer Surplus for Golfing in Colorado. *Sports Economics* 10(2): 155-167. With O.Tadjion, P. Watson, J. Wilson, S. Davies and D. Thilmany. 2009.
199. Mountain Substitutability and Peak Load Pricing of High Alpine Peaks as a Management tool to Reduce Environmental Damage: A Contingent Valuation Study. *Journal of Environmental Management* 90: 1751-1760. 2009. with C. Keske.
198. The Total Economic Value of Threatened, Endangered and Rare Species: An Updated Meta- Analysis, *Ecological Economics* 68: 1535-1548. 2009. With Leslie Richardson.
197. The Potential of Agent Based Modelling for Performing Economic Analysis of Adaptive Natural Resource Management. *Journal of Natural Resources Policy Research*: 1(1): 1-15. 2009. with C. Bond & D. Harpman.
196. Do Repeated Wildfires Change Homebuyers' Demand for Homes in High Risk Areas? A Hedonic Analysis of the Short and Long-term Effects of Repeated Wildfires on House Prices in Southern California. *Journal of Real Estate Finance and Economics* 38:155-172. 2009. With J. Mueller and A. Gonzalez-Caban.
195. Instream Flow as a Public Good: Possibilities for Economic Organization and Voluntary Local Provision. *Review of Agricultural Economics*, 30(3): 445-456. 2008. With Edna Loehman, Purdue University
194. A Joint Estimation Method to Combine Dichotomous Choice CVM Models with Count Data TCM Models Corrected for Truncation and Endogenous Stratification. 2008. *Journal of Agricultural and Applied Economics* 49(2): 681-697. With Juan Marcos Gonzalez and Armando Gonzalez-Caban. Won Outstanding Journal Article for 2008 at the *Journal of Agricultural and Applied Economics*.
193. Spatial Dependence in Hedonic Property Models: Do Different Corrections Result in Economically Significant Differences in Estimated Implicit Prices 2008. *Journal of Agricultural and Resource Economics* 33(2): 212-231. With Julie Mueller.
192. Comparing Recreation Benefits from On-site versus household surveys in count data models with over-dispersion. 2008. *Tourism Economics* 14(3):” 567-576. With R. Martinez-Espineira, J. Amoako-Tuffour and J. Hilbe
191. Using Non Market Valuation to Inform the Choice Between Permits and Fees in Environmental Regulation. 2008. *Environmental and Resource Economics* 40: 329-337. With Bryon Allen.
190. Frameworks for Analyzing the Economic Effects of Climate Change on Outdoor Recreation., 2008. *Climate Research* 36: 259-269. with D. Shaw.

189. Regional Economic Contribution and Net Economic Values of Opening Access to Three Colorado Fourteeners. 2008. *Tourism Economics* 14(2): 249-262. with Catherine Keske
188. A Model for Predicting Daily Peak Visitation and Implications for Recreation Management and Water Quality: Evidence from Two Rivers in Puerto Rico. 2008. *Environmental Management* 41(6): 904-914. With L. Santiago and A. Gonzalez-Caban.
187. The Decision to Use Benefit Transfer or Conduct Original Valuation Research for Benefit-Cost and Policy Analysis. *Contemporary Economic Policy* 26(1): 1-12. 2008. with Bryon Allen.
186. Estimating rates of substitution for protecting values at risk for initial attack planning and budgeting. *Forest Policy and Economics* 10: 205-219. With D. Rideout, P. Ziesler, R. Kling and S. Botti. 2008.
185. Are High Wages Hazardous to Your Health ? The Myth that Attracting Higher Paying Extractive Industry Jobs is a Desirable Community Economic Development Strategy. *Western Economic Forum* 6(2): 10-14. Fall 2007, with Joe Kerkvliet and Stephan Weiler
184. Defining, Valuing, and Providing Ecosystem Goods and Services. *Natural Resources Journal* 47(2): 329-376. with T. Brown and J. Bergstrom. 2007.
183. Willingness-to-pay for prescribed fire in Colorado (USA) wildland urban interface. *Forest Policy and Economics* 9: 928-937. May 2007. With Pamela Kaval and Andy Seidl.
182. A Comparison of CVM Survey Response Rates, Protests and Willingness to Pay of Native Americans and General Population for Fuel Reduction Policies. *Journal of Forest Economics* 13: 49-71. 2007. With A. Gonzalez-Caban, Hayley Hesseln.
181. Comparing Money and Labour Payment in Contingent Valuation: The Case of Forest Fire Prevention in Vietnamese Context. *Journal of International Development* 19: 173-185. 2007. with Le Trong and Vu Tien Thinh
180. Correcting for On-Site Visitor Sampling Bias when Estimating the Regional Economic Effects of Tourism. *Tourism Economics* 13(1): 41-47. 2007.
179. Comparing the Value of Fuel Treatment Options in northern Colorado's Urban and wildland –urban interface areas. *Forest Policy and Economics* 9: 694-703. With S. Walker, R. Rideout and R. Reich. 2007.
178. Recreation as a Spatial Good: Distance Effects on Changes in Recreation Visitation and Benefits. *The Review of Regional Studies* 36(3): 362-380. with R. Richardson and S. Weiler.
177. Testing the Convergent Validity of Videotape Survey Administration and Phone Interviews in Contingent Valuation. *Society & Natural Resources* 19: 367-375. 2006. With J. Miller, A. Gonzalez-Caban, J. Champ.
176. Evaluating the Performance of Different Willingness to Pay Question Formats for Valuing Environmental Restoration in Rural China. *Environment and Development Economics* 11: 585-601. 2006. With X. Zhongmin, A. Ahlqiang, K. Hamaura.
175. Reducing Barriers in Future Benefit Transfers: Needed in Primary Study Design and Reporting. 2006. *Ecological Economics* 60: 343-350. with R. Rosenberger.
174. Estimating Recreation and Existence Values of Sea Otter Expansion in California Using Benefit Transfer. *Coastal Management* 34(4): 387-404. 2006.
173. The Role of Ethnicity and Language in Contingent Valuation Analysis: A Fire Prevention Policy Application. *Am. J. of Economics and Sociology* 65(3): 559-587. With L. Ellingson, A. Gonzalez-Caban & A. Seidl. 2006.
172. Importance of Including Use and Passive Use Values in River and Lake Restoration. *Journal of Contemporary Water Research and Education*, #134: 4-8. July 2006.

171. Use of Survey Data to Estimate Economic Value and Regional Economic Effects of Fishery Improvements. *North American Journal of Fisheries Management* 26: 301-307. 2006.
170. A External Validity Test of Intended Behavior: Comparing Revealed Preference and Intended Visitation in Response to Climate Change. *Journal of Environmental Planning and Management* 49(4): 621-630. 2006. with Robert Richardson.
169. A Comparison of the Effect of Multiple Destination Trips on Recreation Benefits as Estimated by Travel Cost and Contingent Valuation Methods. *Journal of Leisure Research* 38(1): 46-60. 2006.
168. Irrigation Water Demand: A Meta-Analysis of Price Elasticities. *Water Resources Research*, Vol 42, W01411: 1-9. 2006. With S. Scheierling and Robert Young.
167. The Importance of Adjusting for Trip Purpose in Regional Economic Analyses of Tourist Destinations. *Tourism Economics* 12(1): 33-43. 2006. with Lynne Caughlan, USGS.
166. Deriving Values for the Ecological Support Function of Wildlife: An Indirect Valuation Approach. *Ecological Economics* 56: 49-57. 2006. With Bryon Allen.
165. Testing Transferability of Willingness to Pay for Forest Fire Prevention Among Three States of California, Florida and Montana. *Journal of Forest Economics* 11: 125-140. 2005. with H.T. Le and A. Gonzalez-Caban
164. Estimating the Economic Benefits of Maintaining Residential Lake Levels at an Irrigation Reservoir: A Contingent Valuation Study. *Water Resources Research*, 2005. Vol 41, W0805: 1-9. with A. Smith and Paul Huszar.
163. Economic Values without Prices: The Importance of Nonmarket Values and Valuation for Informing Public Policy Debates. 2005. *Choices* 20(3): 179-182.
162. Computational Methods for Measuring the Difference of Empirical Distributions. *American Journal of Agricultural Economics* 2005. 87(2): 353-365. With G. Poe and K. Giraud.
161. Climate Change and Recreation Benefits in an Alpine National Park. *Journal of Leisure Research* 37(3): 307-320. 2005. With R. Richardson.
160. Using Random Parameters to Account for Heterogeneous Preferences in Contingent Valuation of Public Open Space. *Journal of Agricultural and Resource Economics* 29(3): 537-552. With L. Nahuelhual and M. Loureiro. 2004.
159. Do Nearby Forest Fires Cause a Reduction in Residential Property Values. *Journal of Forest Economics* 10: 149-157. 2004.
158. How Bison and Elk Populations Impact Park Visitation: A Comparison of Results from a Survey and Historic Visitation Regression Model. *Society and Natural Resources* 17: 941-949. 2004.
157. Adaptive Recreation Planning and Climate Change: A Contingent Visitation Approach. *Ecological Economics* 50: 83-99. 2004. With Robert Richardson.
156. A Comparison of a parametric and non-parametric method to value a non-rejectable public good. *Journal of Forest Economics* 10: 61-74. 2004. With Maria Loureiro and Laura Nahuelhual.
155. Estuary Management and Recreational Fishing Benefits. *Coastal Management* 32: 417-432. 2004. With John Bergstrom and Jeffrey Dorfman, University of Georgia.
154. Comparing the Economic Effects of Fire on Hiking Demand in Montana and Colorado. *Journal of Forest Economics* 10: 21-35. 2004. With A. Gonzalez-Caban and Hayley Hesseln.

153. Multicultural Evaluation of the Performance of Contingent Valuation For Forest Fire Prevention. *Contemporary Economic Policy* 22(3): 407-419. July 2004. With A. Gonzalez-Caban and Hayley Hesseln.
152. A Hedonic Model of Public Market Transactions for Open Space Protection. *Journal of Environmental Planning and Management* 47(1): 83-96. January 2004.
151. Addressing Heterogeneous Preferences Using Parametric Extended Spike Models. *Environmental and Resource Economics* 27: 297-311. 2004. With Laura Nahuelhual-Munoz, Maria Loureiro.
150. Linking Intended Visitation to Regional Economic Impact Models of Bison and Elk Management. *Human Dimensions of Wildlife* 9:17-33. 2004. With Lynne Caughlan.
149. Wildfire Effects on Hiking and Biking Demand in New Mexico: A Travel Cost Study. *Journal of Environmental Management* 69: 359-368. 2003. With A. Gonzalez-Caban, Hayley Hesseln and S. Alexander
148. Travel Cost Demand Model Based River Recreation Benefit Estimates with On-site and Household Surveys. *Water Resources Research* 39(4). 2003. WES 5-1 to 5-4.
147. Estimating the Benefits of Maintaining Adequate Lake Levels to Homeowners Using the Hedonic Property Method. *Water Resources Research* 39(9). 2003. With M. Feldman.
146. Economic Benefits of Reducing Fire-Related Sediment in Southwestern fire-prone Ecosystems. *Water Resources Research* 39(3). 2003. With P. Wohlgemuth, A. Gonzalez-Caban and D. English.
145. Meta-Analytic Benefit Transfer of Outdoor Recreation Economic Values: Testing Out-of-Sample Convergent Validity. *Environmental and Resource Economics* 25: 79-100. 2003. With Ram Shrestha.
144. Applying Contingent Valuation in China to Measure Total Economic Value of Restoring Ecosystem Services in Ejina Region. *Ecological Economics* 44: 345-358. 2003. With Xu, Z., C. Guodong, A. Ahlqiang, S. Shiyong.
143. Expanding Institutional Arrangements for Acquiring Water for Environmental Purposes: Transactions Evidence for the Western United States. *International Journal of Water Resources Development*. Vol. 19, No. 1, pp. 21-28. With Katherine Quattlebaum, Thomas C. Brown and Susan J. Alexander. March 2003.
142. Driving Regional Economic Impact Models with a Statistical Model: Hypothesis testing for Economic Impact Analysis. *The Review of Regional Studies* 32(1): 97-111. 2002. With S. Weiler, R. Richardson and S. Shwiff.
141. Language-Related Differences in a Contingent Valuation Study: English versus Spanish. *American Journal of Agricultural Economics*. Vol. 84, No. 4, pp. 1091-1102. With Lucas S. Bair and Armando Gonzalez-Caban. November 2002.
140. Quantifying Recreation Use Values from Removing Dams and Restoring Free-Flowing Rivers: A Contingent Behavior Travel Cost Demand Model for the Lower Snake River. *Water Resources Research*. Vol. 38, No. 6, June 2002.
139. Economic Benefit of the Protection Program for the Steller Sea Lion. *Marine Policy*. No 26, pp. 451-458. With Kelly Giraud, Branka Turcin and Joseph Cooper. May 2002.
138. Estimating the Economic Value of Big Game Habitat Production from Prescribed Fire Using a Time Series Approach. *Journal of Forest Economics*. No. 8, pp. 119-129. With Dana Griffin, Ellen Wu and Armando Gonzalez-Caban. 2002.
137. Applying a Method of Paired Comparisons to Measure Economic Values for Multiple Goods Sets. *Journal of Agricultural and Applied Economics*. Vol. 34, No. 1, pp. 215-229. With Randall S. Rosenberger and George L. Peterson. April 2002.

136. A Defense of Cost-Benefit Analysis for Natural Resource Policy. *The Environmental Law Reporter News and Analysis*. Vol. 32, No. 2, pp. 10239-10244. With Shi-Ling Hsu. February 2002.
135. A Comparison of Willingness to Pay Estimation Techniques From Referendum Questions, Application to Endangered Fish. *Environmental and Resource Economics*. No. 20, pp. 331-346. With Kelly L. Giraud and Joseph C. Cooper. 2001.
134. Testing for Differential Effects of Forest Fires on Hiking and Mountain Biking Demand and Benefits. *Journal of Agricultural and Resource Economics*. Vol. 26, No. 2, pp. 508-522. With Armando Gonzalez-Caban and Jeffrey Englin. 2001.
133. Improving Statistical Efficiency and Testing Robustness of Conjoint Marginal Valuations. *American Journal of Agricultural Economics*. 83(5), pp. 1321-1327. With Michelle A. Haefele. 2001.
132. The Dynamic Path of Recreational Values Following a Forest Fire: A Comparative Analysis of States in the Intermountain West. *Canadian Journal of Forest Research*. Vol. 31, pp. 1837-1844. With Jeffrey Englin and Armando Gonzalez-Caban. 2001.
131. Testing a Meta-analysis Model for Benefit Transfer in International Outdoor Recreation. *Ecological Economics*. No. 39, pp. 67-83. With Ram K. Shrestha. 2001.
130. Prescribed Fire and Public Support: Knowledge Gained, Attitudes Changed in Florida. *Journal of Forestry*. Vol. 99, No. 11, pp. 18-23. With Lucas S. Bair, and Armando Gonzalez-Caban. November 2001.
129. Using the Conjoint Analysis Technique for the Estimation of Passive Use Values of Forest Health. *Journal of Forest Economics*. Vol. 7, No. 1. With Michelle A. Haefele. January 2001.
128. Panel Stratification in Meta-Analysis of Economic Studies: An Investigation of Its Effects in the Recreation Valuation Literature. *Journal of Agricultural and Applied Economics*. Vol. 32, No. 3, pp. 459-470. With Randall S. Rosenberger. December 2000.
127. Measuring the Total Economic Value of Restoring Ecosystem Services in an Impaired River Basin: Results from a Contingent Valuation Survey. *Ecological Economics*. 33, pp. 103-117. With Paula Kent, Liz Strange, Kurt Fausch, and Alan Covich. 2000.
126. Testing Significance of Multi-Destination and Multi-Purpose Trip Effects in a Travel Cost Method Demand Model for Whale Watching Trips. *Agricultural and Resource Economics Review*. 29/2, pp. 183-191. With Shizuka Yorizane and Douglas Larson. October 2000.
125. Environmental Valuation Techniques in Water Resource Decision Making. *Journal of Water Resources Planning and Management*, Vol. 126, No. 6, pp. 339-344. November/December 2000.
124. Vertically Summing Public Good Demand Curves: An Empirical Comparison of Economic versus Political Jurisdictions. *Land Economics*, 76 (2): 312-321. 2000
123. Counting on Recreation Use Data: A Call for Long-Term Monitoring. *Journal of Leisure Research*, Vol. 32, No. 1, pp. 93-96. 2000.
122. Endogenously Chosen Travel Costs and the Travel Cost Model: an Application to Mountain Biking at Moab, Utah. *Applied Economics*, 32, 1227-1231. With Peter Fix and Rick Eichhorn. 2000.
121. Using the Demand for Hunting Licenses to Evaluate Contingent Valuation Estimates of Willingness to Pay. *Applied Economics Letters*, 7, 435-438. With Cynthia Pierce and Mike Manfredo. 2000.
120. Can Environmental Economic Valuation Techniques Aid Ecological Economics and Wildlife Conservation? *Wildlife Society Bulletin* 28(1)52-60. 2000.

119. Using Meta-Analysis for Benefit Transfer: In-Sample Convergent Validity Tests of an Outdoor Recreation Database. *Water Resources Research*, 36(4): 1097-1107. With Randall S. Rosenberger. 2000.
118. Effects of Gender and Parental Status on the Economic Valuation of Increasing Wetlands, Reducing Wildlife Contamination and Increasing Salmon Populations. *Society & Natural Resources*, 13:1-14. With Gretchen A. Teal. 2000.
117. Trichotomous Choice: A Possible Solution to Dual Response Objectives in Dichotomous Choice Contingent Valuation Questions. *Journal of Agricultural and Resource Economics*, 24(2):572-583. With Kerri Traynor and Thomas Brown. 1999.
116. The Value of Ranch Open Space to Tourists: Combining Observed and Contingent Behavior Data. *Growth and Change*, 30:366-383. With Randall S. Rosenberger. 1999.
115. Two Valuation Questions in One Survey: Is It a Recipe for Sequencing and Instrument Context Effects? *Applied Economics*, 31:957-964. 1999. With Kelly L. Giraud and Richard L. Johnson.
114. Internal and External Scope in Willingness-to-Pay Estimates for Threatened and Endangered Wildlife. *Journal of Environmental Management*, 56:221-229. 1999. With K.L. Giraud and R.L. Johnson.
113. Do Additional Designations of Wilderness Result in Increases in Recreation Use? *Society & Natural Resources*, 12:481-491. 1999.
112. A Statistical Approach to Estimating Costs of Propagating Hatchery Rainbow Trout. *North American Journal of Fisheries Management*, 19:110-119. 1999. With Peter Fix.
111. Using GIS to identify under-represented ecosystems in the National Wilderness Preservation System in the USA. *Environmental Conservation*, 26(1):53-58. 1999. With J. Chris Echowhawk.
110. An Investigation into the Presence and Causes of Environmental Inequity in Denver, Colorado. *The Social Science Journal*, 36, No. 1, 77-92. 1999. With Sabina L. Shaikh.
109. Economic Impacts of State Parks: Effect of Park Visitation, Park Facilities, and County Economic Diversification. *Journal of Park and Recreation Administration*, 16, No. 4, 57-72. 1998. Lead authors Maureen P. Donnelly, Jerry J. Vaske, and Darla S. DeRuiter.
108. WTA Estimates Using the Method of Paired Comparison: Tests of Robustness. *Environmental and Resource Economics*, 12, 375-386. 1998. Lead author Patricia Champ, US Forest Service.
107. Estimating the Public's Values for Instream Flow: Economic Techniques and Dollar Values. *Journal of the American Water Resources Association*, 34, No. 5, 1007-1014. 1998.
106. Incorporating Respondent Uncertainty When Estimating Willingness to Pay for Protecting Critical Habitat for Threatened and Endangered Fish. *Water Resources Research*, 34, No. 11, 3149-3155. 1998. With Earl R. Ekstrand.
105. Testing the Importance of Fish Stocking as a Determinant of the Demand for Fishing Licenses and Fishing Effort In Colorado. *Human Dimensions of Wildlife*, 3, No. 3, 46-61. 1998. With Peter Fix.
104. Joint Estimation of Multiple CVM Scenarios under a Double Bounded Questioning Format. *Environmental and Resource Economics*, 12, 77-98. 1998. With Mary Riddel.
103. A Willingness-to-pay function for protecting acres of spotted owl habitat from fire. *Ecological Economics*, 25, 315-322. 1998. With Armando González-Cabán.

102. Paired Comparison Estimates of Willingness to Accept Versus Contingent Valuation Estimates of Willingness to Pay. *Journal of Economic Behavior & Organization*, 35, 501-515. 1998. With George Peterson, Patricia Champ, Thomas Brown and Beatrice Lucero.
101. Use of Non-Market Valuation Studies in Water Resources Management Assessments. *Water Resources Update*, 109, 5-9. Autumn 1997.
100. Comparing the Economic Value of Mountain Biking Estimated Using Revealed and Stated Preference. *Journal of Environmental Planning and Management*, 41(2), 22-236. 1998. With Peter Fix.
99. Economic Benefits of Critical Habitat for the Mexican Spotted Owl: A Scope Test Using a Multiple Bounded Contingent Valuation Survey. *Journal of Agricultural and Resource Economics* 22(2):356-366. 1997. With E. Ekstrand.
98. Panel Estimators to Combine Revealed and Stated Preference Dichotomous Choice Data. *Journal of Agricultural and Resource Economics* 22(2):233-245. 1997.
97. Comparing the Economic Value of Reducing Fire Risk to Spotted Owl Habitat in California and Oregon. *Forest Science* 43(4):473-482. 1997. With Armando Gonzalez-Caban.
96. Evaluating the Validity of the Dichotomous Choice Question Format in Contingent Valuation. *Environmental and Resource Economics* 10:109-123. 1997. With T. Brown, B. Lucero and G. Peterson.
95. The Economic Benefits of Mountain Biking at One of Its Meccas. *Journal of Leisure Research* 29(3):342-352. 1997. With P. Fix, CSU.
94. How Certain Are Visitors of Their Economic Values of River Recreation: An Evaluation Using Repeated Questioning and Revealed Preference. *Water Resources Research*. 33, 1187-1193. With Armando Gonzales-Caban. 1997.
93. Economic Benefits of Maintaining Ecological Integrity of Rio Mameyes, In Puerto Rico. *Ecological Economics*. 21, 63-75. With Armando Gonzalez-Caban. 1997.
92. The Effect of Distance on Willingness to Pay Values: A Case Study of Wetlands and Salmon in California. *Ecological Economics*. 20, 199-207. With Jennifer Pate. 1997.
91. Semi-nonparametric Distribution-Free Dichotomous Choice Contingent Valuation. *Journal of Environmental Economics and Management*. 32, 341-358. With Michael Creel. 1997.
90. The Importance of the Market Area Determination for Estimating Aggregate Benefits of Public Goods: Testing Differences in Resident and Nonresident Willingness to Pay. *Agricultural and Resource Economics Review*, pp. 161-170. With Armando Gonzalez-Caban. 1996.
89. Improving Validity Experiments of Contingent Valuation Methods: Results of Efforts to Reduce the Disparity of Hypothetical and Actual Willingness to Pay. *Land Economics*, 72(4):450-461. With Thomas Brown, Beatrice Lucero and George Peterson. 1996.
88. Economic Values of Increasingly Rare and Endangered Fish. *Fisheries Economics*, 21(11):6-10. With Douglas S. White. 1996.
87. Economic Benefits of Rare and Endangered Species: Summary and Meta-Analysis. *Ecological Economics*, 18(3):197-206. With Douglas S. White. 1996.
86. How Large is the Extent of the Market for Public Goods: Evidence From a Nationwide Contingent Valuation Survey. *Applied Economics*, 28(7):779-782. 1996

85. Economic Analysis of Deer Management Alternatives on Public Lands in Northern California. *Human Dimensions of Wildlife*, 1(2):14-23. With Brian Roach and Robert Motroni. 1996.
84. Joint Estimation of Contingent Valuation Survey Responses. *Environmental and Resource Economics*, 7:149-162. With Timothy Park. 1996.
83. Measuring the Economic Benefits of Removing Dams and Restoring the Elwha River: Results of a Contingent Valuation Survey. *Water Resources Research*, 32(2):441-447. 1996
82. Estimating the Benefits of Urban Stream Restoration Using the Hedonic Price Method. *Rivers*, pp. 267-278. With Carol F. Streiner. 1995.
81. An Economic Approach to Giving "Equal Consideration" to Environmental Values in FERC Hydropower Relicensing. *Rivers*. 5(2):96-108. With Marvin Feldman. 1995.
80. Protecting Oregon Old-Growth Forests From Fires: How Much Is It Worth? *Agricultural Systems and Forestry Resources Research*, 4(1):143-154. With A. Gonzalez-Caban and R. Gregory. 1995.
79. Policy Attitudes and Decisions within the Forest Service: Is There a Connection? *Journal of Forestry* 94(1):42-46. With Paul Sabatier and Catherine McCarthy.
78. Reminders of Substitutes and Budget Constraints Influence Contingent Valuation Estimates: Reply. *Land Economics* 71(4):544-545. With Armando Gonzalez-Caban and Robin Gregory. 1995.
77. An Economic Assessment of Hardwoods as Habitat Components for Black-Tailed Deer in Northern California Conifer Forests. *Journal of Forestry* 93(8):41-45. With Eric Loft and Barrett Garrison. 1995.
76. Public Trust Doctrine Produces Water for Mono Lake: The State of California's Water Resources Control Board Decision #1631. *Journal of Soil and Water Conservation*, pp. 270-271. May-June 1995.
75. Testing Transferability of Recreation Demand Models Across Regions: A Study of Corps of Engineer Reservoirs. *Water Resources Research*, 31(3):721-730. 1995. With Brian Roach, Frank Ward and Richard Ready.
74. Hierarchical Controls, Professional Norms, Local Constituencies, and Budget Maximization: An Analysis of U.S. Forest Service Planning Decisions. *American Journal of Political Science*, 39(1):204-242. February 1995. With Paul A. Sabatier, and Catherine McCarthy.
73. Four models for determining environmental quality effects on recreational demand and regional economics. *Ecological Economics*, 12:55-65. 1995.
72. Total Economics Values of Increasing Gray Whale Populations: Results from a Contingent Valuation Survey of Visitors and Households. *Marine Resource Economics*, 9:275-286. 1994. with D. Larson.
71. Estimating the Value of Reducing Fire Hazards to Old Growth Forests in the Pacific Northwest: A Contingent Valuation Approach. *International Journal of Wildland Fire*, 4(4):209-216, 1994. With Armando Gonzales-Caban.
70. Do Reminders of Substitute and Budget Constraints Influence Contingent Valuation Estimates? *Land Economics*, 70:499-506. With A. Gonzales-Caban and R. Gregory. November, 1994.
69. Comparison of Mail and Telephone-Mail Contingent Valuation Surveys. *Journal of Environmental Management*, 4:309-324, 1994. With Michael King.
68. The Relative Unimportance of a Nonmarket Willingness to Pay for Timber Harvesting. *Ecological Economics* 9:145-152. With Michael Lockwood and Terry De Lacy. 1994.

67. Water Transfer and Major Environmental Provisions of the Central Valley Project Improvement Act: A Preliminary Economic Evaluation. *Water Resources Research*, Volume 30(6):1865-1871, June 1994.
66. Testing Whether Waterfowl Hunting Benefits Increase with Greater Water Deliveries to Wetlands. *Environmental and Resource Economics* 3:545-561, 1993. With Joseph Cooper.
65. Household's Valuation of Alternative Levels of Hazardous Waste Risk Reductions: An Application of the Referendum Format Contingent Valuation Method. *Journal of Environmental Management*, Volume 39:143-155 (1993). With Pierre duVair.
64. A Contingent Valuation Survey and Benefit-Cost Analysis of Forest Preservation in East Gippsland, Australia. *Journal of Environmental Management*, Volume 38:233-243 (1993). With M. Lockwood and T. DeLacy.
63. A Tale of Two Owls and Lessons for the Reauthorization of the Endangered Species Act. *Choices* (Third Quarter, 1993).
62. An Investigation into the Reliability of Intended Visitation Behavior. *Environmental and Resource Economics*, in Volume 3, 1993.
61. Substitution Effects in the Valuation of Multiple Environmental Programs. *Journal of Environmental Economics and Management*, July, 1993. With J. Hoehn.
60. Some Empirical Evidence on Embedding Effects in Contingent Valuation of Forest Protection. *Journal of Environmental Economics and Management*, Volume 25 (July, 1993). With M. Lockwood and T. DeLacy.
59. Evaluating the Effect of Alternative Risk Communication Devices on Willingness to Pay: Results from a Dichotomous Choice Contingent Valuation Experiment. *Land Economics* Volume 69(3) (August, 1993). With P. du Vair.
58. Comparing Models for Contingent Valuation Surveys: Statistical Efficiency and the Precision of Benefit Estimates. *Northeastern Journal of Agricultural and Resource Economics*, October 1992. With T. Park.
57. Recreation Value of Water to Wetlands in the San Joaquin Valley: Linked Multinomial Logit and Count Data Trip Frequency Models. *Water Resources Research* 28(10). October 1992. With M. Creel.
56. The 1991 State of California Water Bank: Water Marketing Takes a Quantum Leap. *Rivers* 3(2): 129-134. April 1992.
55. Sensitivity of Willingness-to-Pay Estimates to Bid Design in Dichotomous Choice Contingent Valuation Models, *Land Economics*, Volume 62(2). May 1992. With Joseph Cooper.
54. The Evolution of a More Rigorous Approach to Benefit Transfer: Benefit Function Transfer. *Water Resources Research*, Volume 28(3), March 1992.
53. Recreation Benefits of Increased Flows in California's San Joaquin and Stanislaus Rivers. *Rivers*, Volume 3(1). January 1992. With M. Creel.
52. A Benefit-Cost Analysis of the Northern Spotted Owl. *Journal of Forestry*, Volume 89(12). December 1991. With J. Rubin and G. Helfand.
51. Modeling Hunting Demand in the Presence of Bag Limits, with Tests of Alternative Specifications. *Journal of Environmental Economics and Management*, Volume 22(2). March 1992. With M. Creel, University of California-Davis.
50. Conceptual and Empirical Classification of Wildlife Benefits and Beneficiaries: Implications for Funding Wildlife Conservation, *Policy Studies Journal*, Volume 19 (3), Summer 1991.

49. Confidence Intervals for Welfare Measures with Application to a Problem of Truncated Counts. *Review of Economics and Statistics*, Volume 73(2), 1991. With M. Creel, University of California-Davis.
48. Comparing Benefit Estimates from Travel Cost and Contingent Valuation Using Confidence Intervals for Hicksian Welfare Measures. *Applied Economics*, Volume 23, 1991. With M. Creel and T. Park, University of California-Davis.
47. Statistical Efficiency of Double Bounded Dichotomous Choice Contingent Valuation. *American Journal of Agricultural Economics*, Volume 73(4), November 1991. With M. Hanemann and B. Kanninen, UC Berkeley.
46. Cattle-deer Interactions in the Sierra Nevada: A Bioeconomic Approach. *Journal of Range Management*, Volume 44(4), July 1991. With E. Loft, D. Updike and J. Kie, California Fish & Game.
45. Evaluation of Mail and In-Person Contingent Value Surveys: Results of a Study of Recreational Boaters. *Journal of Environmental Management*, Volume 32, 1991. With G. Mannesto, University of California-Davis.
44. Confidence Intervals for Evaluating Benefit Estimates from Dichotomous Choice Contingent Valuation Studies. *Land Economics*, Volume 67 (Feb, 1991). With T. Park and M. Creel, University of California-Davis.
43. Toward Empirical Estimation of the Total Value of Protecting Rivers. *Water Resources Research*, Volume 26 (7), 1990. With L. Sanders and R. Walsh, U. of OK & CSU.
42. Comparison of Environmental Quality-Induced Demand Shifts Using Time-Series and Cross-Section Data. *Western Journal of Agricultural Economics*, Volume 15(1), 1990. With Joe Cooper, University of California-Davis.
41. Pooled Time-Series Cross-Section Travel Cost Models: Testing Whether Recreation Behavior is Stable over Time. *Leisure Sciences*, Volume 12, 1990. With Joe Cooper, University of California-Davis.
40. Theoretical and Empirical Advantages of Truncated Count Data Estimators for Analysis of Deer Hunting in California. *American Journal of Agricultural Economics*, Volume 72(2), 1990. With M. Creel, University of California-Davis.
39. Economic Benefits of Instream Flow to Fisheries: A Case Study of California's Feather River. *Rivers*. Volume 1(1), 1990. With Joe Cooper, University of California-Davis.
38. Comparative Reliability of the Dichotomous Choice and Open Ended Contingent Valuation Techniques. *Journal of Environmental Economics and Management*, Volume 18(1), 1990.
37. Estimation of and Variation in Site Specific Marginal Values for Recreational Fisheries. *Journal of Environmental Management*, Volume 29, 1989.
36. Estimating the Economic Activity and Value from Public Parks and Outdoor Recreation Areas in California. *Journal of Parks and Recreation Administration*, Volume 7(2), 1989.
35. Comparing the Economic Value of Public Land Forage For Wildlife and Livestock. *Journal of Range Management*, Volume 42(2), March 1989. With Dennis Donnelly and Cindy Swanson.
34. Test Re-test Reliability of the Contingent Valuation Method: A Comparison of General Population and Visitor Responses. *American Journal of Agricultural Economics*, Volume 71(1), Feb. 1989. 76-84.
33. A Bioeconomic Approach To Estimating the Economics Effects of Watershed Disturbance on Recreational and Commercial Fisheries. *Journal of Soil and Water Conservation*, Volume 44 (1): 83-87, Jan-Feb 1989.

32. A More Complete Accounting of Costs and Benefits from Timber Sales. *Journal of Forestry*, Volume 87(3), March 1989.
31. An Introduction to Contingent Valuation Using Dichotomous Choice Models. *Journal of Leisure Research*, Volume 20(1), 1988.
30. Broadening the Concept and Measurement of Existence Value. *Northeastern Journal of Agricultural and Resource Economics*, Volume 17(1), April 1988.
29. The Bioeconomic Effects of Timber Harvesting on Recreational and Commercial Salmon and Steelhead Fishing. *Marine Resource Economics*, Volume 5, 1988.
28. Measuring Regressivity of Excise Taxes: A Buyer's Index. *Public Finance Quarterly*, Volume 16(3). With C. Revier, Colorado State University.
27. An Economic Analysis of Funding Alternatives for Outdoor Recreation in the United States. *Policy Studies Review*, Volume 7(2), 1987. With R. Mangun, Indiana State University.
26. A Framework for Identifying Economic Benefits and Beneficiaries of Outdoor Recreation. *Policy Studies Review*, Volume 7(2), 1987. With J. Stoll and J. Bergstrom, Texas A&M.
25. Evaluating Tax Policy Proposals for Funding Nongame Wildlife Programs. *Evaluation Review*, Volume 11. With W. Mangun, Indiana State University.
24. Expanding Contingent Value Sample Estimates to Aggregate Benefit Estimates: Current Practices and Proposed Solutions. *Land Economics*, Volume 63(4): 396-402. 1987.
23. Balancing Public Trust Resources of Mono Lake and Los Angeles' Water Right: An Economic Approach. *Water Resources Research*, Volume 23(8), 1987.
22. Economic Efficiency Analysis, Bureaucrats and Budgets: A Test of Hypotheses. *Western Journal of Agricultural Economics*, Volume 12(1), 1987.
21. The Economic Value of Instream Flow: Methodology and Benefit Estimates for Optimum Flows. *Journal of Environmental Management*, Volume 24. 1986.
20. Economic Value of Idaho Sport Fisheries with and Update on Valuation Techniques. *North American Journal of Fisheries Management*, Volume 6. 1986. With C. Sorg, U.S. Forest Service.
19. The Travel Cost Demand Model as an Environmental Policy Assessment Tool: A Review of Literature. *Western Journal of Agricultural Economics*, December 1986, Volume 11(2). With F. Ward, New Mexico State University.
18. A Note on Marginal Valuation of Underpriced Facilities. *Public Finance Quarterly*, Volume 14(4): October 1986. With J. Hof, U.S. Forest Service.
17. Assessing Wildlife and Environmental Values in Cost Benefit Analysis: State of the Art. *Journal of Environmental Management*, Volume 22, 1986. With R. Walsh, Colorado State University.
16. Evaluating Regional Demand Models for Estimating Recreation Use and Economic Benefits: A Case Study. *Water Resources Research*, Volume 22(4), April 1986. With C. Sorg and D. Donnelly, U.S. Forest Service.
15. Economic Losses to Recreational Fisheries due to Small-head Hydropower Development: A Case Study of the Henry's Fork in Idaho. *Journal of Environmental Management*, Volume 22, 1986. With C. Sorg and D. Donnelly, U.S. Forest Service.

14. The Opportunity Costs of Redwood National Park: Comment and Elaboration. *Contemporary Policy Issues*, Volume 3 (Winter 1984-85). With R. Walsh and J. McKean, Colorado State University.
13. Introduction to Wildlife Valuation Techniques. *Wildlife Society Bulletin*, Volume 13(1), 1985. With C. Sorg. U.S. Forest Service.
12. Pricing for Efficiency and Revenue in Public Recreation Areas. *Journal of Leisure Research*, Volume 16(3), 1984. With D. Rosenthal and G. Peterson of U.S. Forest Service.
11. Economic Efficiency versus Distributive Equity: BLM's Use of Economic Analysis in Fact and Fiction. *Western Journal of Agricultural Economics*, Volume 9 (July 1984).
10. Valuing Option, Existence and Bequest Demands for Wilderness. *Land Economics*, Volume 60: 14-29. (Feb 1984), With R. Walsh and R. Gillman, Colorado State University.
9. A Recreation Optimization Model Based on the Travel Cost Method. *Western Journal of Agricultural Economics*, Volume 8 (July 1983). With J. Hof, U.S. Forest Service.
8. Effect of Non-Price Rationing on Benefits from Publicly Provided Recreation. *Journal of Environmental Management*, Volume 14, 1982.
7. Westward Migration: Putting Pressure on Public Lands. *Western Wildlands*, Volume 8(2), 1982.
6. Use of Travel Cost Models for Evaluating Lottery Rationed Recreation: Application to Big Game Hunting. *Journal of Leisure Research*, Volume 14 (2nd Quarter, 1982).
5. Comment on Wilderness Costs in New England. *Journal of Forestry*, April 1981.
4. Multiple Use and Comparative Advantage: New Avenues for Federal Land Managers. *Annals of Regional Science*, Volume 54 (6) 1980.
3. A Note on the Use of Travel Cost Models with Unequal Zonal Populations. *Land Economics*, Volume 56 (Nov 1980). With M. Bowes, Resources for the Future.
2. Monetizing Benefits Under Alternative River Recreation Use Allocation Systems. 1980. *Water Resources Research*, Volume 16 (1): 28-32.
1. Measuring the Effectiveness of Beverage Container Legislation. *Social Science Quarterly*, Volume 59 (Sept 1978).

III. PROCEEDINGS AND BOOK CHAPTERS

83. Recreation Use Values of Water-based Recreation. *Environmental Science. Oxford Research Encyclopedias*. <https://doi.org/10.1093/acrefore/9780199389414.013.797> . 2023. With L. Bair.
82. What is the Total Economic Value of River Restoration and Why is it Important? In *River Restoration: Political, Social and Economic Perspectives*, Ed. B. Morandi, M., Cottet, and H. Piegay. Wiley Blackwell. 2022.
81. Methods of Environmental Valuation, in Handbook of Regional Science, 2nd Ed. M. Fischer, and P. Nijkamp, eds. Springer. With C. Huber and L. Richardson.
80. Valuing Education and Learning in the National Parks. In *America's Largest Classroom*, edited by J. Thompson and A. Houseal. University of California Press. With T. Marlowe and L. Bilmes.
79. [A comparison of wildland urban interface households WTP for wildfire risk reduction programs in California and Florida](#). Proceedings of Fifth International Symposium on Fire Economics, Planning, and Policy: Wildfires and Ecosystem Services. General Technical Report PSW-GTR-261. 2019. With J Sánchez, A González-Cabán, T. Holmes.
78. [Wildfire fuel reduction cost analysis: Statistical modeling and user model for fire specialists in California](#). Proceedings of Fifth International Symposium on Fire Economics, Planning, and Policy: Wildfires and Ecosystem Services. General Technical Report PSW-GTR-261. 2019. With S Collie, A González-Cabán, JJ Sánchez.
77. [Do fuel treatments reduce wildfire suppression costs and property damages? Analysis of suppression costs and property damages in US National Forests](#), Proceedings of Fifth International Symposium on Fire Economics, Planning, and Policy: Wildfires and Ecosystem Services. General Technical Report PSW-GTR-261. 2019. With JJ Sánchez, A González-Cabán, D Rideout.
76. Benefit Transfer. In A Primer on Nonmarket Valuation, 2nd ed. P. Champ, K. Boyle and T. Brown, eds. 2017. with Randy Rosenberger.
75. The Use of Benefit Transfer in the United States. 2015. In Benefit Transfer of Environmental and Resource Values, R. Johnston, J. Rolfe, R. Rosenberger, and R. Brouwer, eds. Springer.
74. Valuing Ecosystem Services Using Benefit Transfer: Separating Credible and Incredible Approaches. In K.N. Ninan, ed. Valuation Ecosystem Services: Methodological Issues and Case Studies. Edward Elgar, Northampton MA. With L. Richardson, T. Kroeger and F. Casey. 2014
73. Economic Valuation: Concepts and Empirical Methods. In M. Fischer and P. Nijkamp, eds. *Handbook of Regional Science*, Springer-Verlang.
72. Incorporating Distributional Issues into Benefit-Cost Analysis: Why, How, and Two Empirical Examples Using Non-Market Valuation. In Principles and Standards for Benefit-Cost Analysis, eds S. Farrow and R. Zerbe. Edward Elgar, Northampton, MA. 2013.
71. Recreational Benefits of Removing Dams and Restoring Free-flowing Rivers: An Example of Micro-Meta Analysis of the Contingent Visitation Benefits of Removing Dams. In Modern Cost-Benefit Analysis of Hydropower Conflicts, eds P. Johansson and B. Kristrom. Edward Elgar, Northampton MA. 2012
70. Testing the Robustness of Contingent Valuation Estimates of WTP to Survey Mode and Treatment of Protest Responses. In J.Bennett, ed. International Handbook on Non-Market Environmental Valuation. Edward Elgar. 2011. with Armando González-Cabán and Joseph Champ
69. Are Benefit Transfers Using a Joint Revealed and Stated Preference Model More Accurate than Revealed and Stated Preference Data Alone? In Whitehead, Haab and Huang, eds. Preference Data for Environmental Valuation: Combining Revealed and Stated Preference Approaches. Routledge, NY. 2011. with J.M.Gonzalez.
68. Nontimber Economic Values of Old Growth Forests: What They Are, and How Do We Preserve Them?

- Chapter 19 in *Old Growth in a New World: A Pacific Northwest Icon Reexamined*. Eds T. Spies and S. Duncan. Island Press. 2009.
68. Total Economic Valuation of Endangered Species: A Summary and Comparison of United States and Rest of the World Estimates. In K.N. Ninan, editor. *Conserving and Valuing Ecosystem Services and Biodiversity*. Earthscan Press. Pages 25-47. with L. Richardson. 2009.
67. A Mixed Logit Model of Homeowner Preferences for Wildfire Hazard Reduction. 2008. In General Technical Report PSW-GTR-19x. Forest Fire Lab, Pacific Southwest Research Station, USDA Forest Service, Riverside, CA. With T. Holmes and A. Gonzalez-Caban.
66. Pricing Principles for Natural and Cultural Attractions in Tourism. In *International Handbook on the Economics of Tourism*. Edited by L. Dwyer and P. Forsyth, Edward Elgar Press. With Kreg Lindberg.
65. Contingent Valuation of Fuel Hazard Reduction Treatments. 2008. In *The Economics of Forest Disturbances*, edited by T. Holmes, J. Prestemon and K. Abt. Springer. Coauthored with A. Gonzalez-Caban.
64. Benefit Transfer Using Meta Analysis in Recreation Economic Valuation. In *Environmental Value Transfer: Issues and Methods*. Edited by Stale Navrud and Richard Ready. Springer Publishing. 2007. Coauthored with R. Shrestha and R. Rosenberger.
63. Pricing Principles for Natural and Cultural Attractions in Tourism. In *International Handbook on the Economics of Tourism*. Edited by L. Dwyer and P. Forsyth. Edward Elgar Publishing. With Kreg Lindberg.
62. Alternative Valuation Strategies for Public Open-Space Purchases: Stated versus Market Evidence. 2006. In *Economics and Contemporary Land Use Policy*. Eds. R. Johnston and S. Swallow. Resource for the Future (RFF Press). With A. Seidl, K. Rollins and V. Rameker.
61. The Net Economic Value of Wilderness. 2005. In *The Multiple Values of Wilderness*, edited by K. Cordell, J. Bergstrom and J.M.Bowker. Venture Publishing. With J.M.Bowker, J. Bergstrom, J. Harvard, K. Cordell and D. English.
60. Tracking the Intrinsic Value of Wilderness. 2005. In *The Multiple Values of Wilderness*, edited by K. Cordell, J. Bergstrom and J.M.Bowker. Venture Publishing. (with S. Gudmundsen).
59. Use of Contingent Values of Wildlife and Habitat Preservation in Policy and Benefit—Cost Analyses. In *Handbook on Contingent Valuation*, edited by A. Alberini and J. Kahn. Edward Elgar. 2006.
58. Updated Outdoor Recreation Use Values on National Forests and Other Public Lands. Pacific Northwest Research Station, General Technical Report PNW-GTR-658. USDA Forest Service, Portland, OR. 2005.
57. Do Forest Fires Affect Demand and Benefits of Recreationists Differently? Hiking and Mountain Biking. In *Global Challenges of Parks and Protected Area Management: Proceedings of the 9th ISSRM*. Edited by I. Camarada, M. Manfredo, F. Mulas and T. Teel. 2004. (coauthored with A. Gonzalez-Caban and Jeff Englin).
56. Effects of Climate Change on Tourism Demand and Benefits in Alpine Areas. In *Tourism, Recreation and Climate Change*. Eds. C. M. Hall and J. Highman. 2005. Channel View Publications.
55. The Role of Economics in Managing Natural Resources for Society. In *Society and Natural Resources: A Summary of Knowledge*, edited by M. Manfredo, J. Vaske, B. Bruyere, D. Field and P. Brown. Modern Litho, Jefferson, MO. 2004.
54. Forest Fire Reduction Policies in Florida: Comparison Between English and Spanish-Speaking Households. In K.E.M. Galley, R. Klinger and N.G. Sugihara, eds. *Proceedings of Fire Conference 2000*. Misc. Publication #13, Tall Timbers Research Station, Tallahassee FL. Pages 124-131.

53. Economic and Institutional Strategies for Adapting to Water Resource Effects of Climate Change. In *Water and Climate in the Western United States*. Ed. By William Lewis. University of Press of Colorado. 2003. With J. Koteen and B. Hurd.
52. Estimating Economic Values of Open Space Preservation: A Comparison of Dichotomous and Trichotomous Choice Contingent Valuation and Transactions Evidence. In *Pricing Environmental Services of Agriculture*, Edited by M. Kissling, K. Schmitz, P. Schmitz T. Wronka, Justus-Liebig University. Verlag. 2003.
51. Benefit Transfer. In *A Primer in Nonmarket Valuation*, eds. P. Champ, K. Boyle and T. Brown. Kluwer Academic Publishers. With Randy Rosenbeger. 2003.
50. Linking GIS and Recreation Demand Models to Estimate the Economic Value of Using Fire to Improve Deer Habitat. 2003. In Omi, P. and L. Joyce, Editors, *Fire, Fuel Treatments and Ecological Restoration: Conference Proceedings RMRS-P-29*, USDA Forest Service, Rocky Mountain Research Station, Fort Collins, CO (pages 187-202). With A. Gonzalez-Caban, D. Griffin and E. Wu. 2003.
49. The Effects of Fire on Hiking Demand: A Travel Cost Study of Colorado and Montana. (2003). In Omi, P. and L. Joyce, Editors, *Fire, Fuel Treatments and Ecological Restoration: Conference Proceedings RMRS-P-29*, USDA Forest Service, Rocky Mountain Research Station, Fort Collins, CO. With H. Hesseln and A. Gonzalez-Caban. Pages 177-186. 2003.
48. Protecting Endangered Species in the United States: Biological Needs, Political Realities, Economic Choices. Edited by Jason F. Shogren and John Tschirhart. Chapter 13: On Current Approaches to ESA Analysis: Comments on Watts et al., Coursey and Anderson. *Cambridge University Press*. 2001.
47. Economic Values of Wilderness Recreation and Passive Use: What We Think We Know at the Beginning of the 21st Century. *Wilderness Science in a Time of Change Conference, Volume 2: Wilderness Within the Context of Larger Systems*. Missoula, Montana. May 23-27, 1999. September 2000. USDA Forest Service, Rocky Mountain Research Station.
46. OWLECON: A Spreadsheet Program for Calculating the Economic Value to State Residents from Protecting Spotted Owl Habitat from Fire. With Armando Gonzalez-Caban. *Proceedings of the Symposium on Fire Economics, Planning, and Policy: Bottom Lines*. 1999. USDA Forest Service, Pacific Southwest Research Station, General Technical Report PSW GTR 173. 1999.
45. Effects of Fire on the Economic Value of Forest Recreation in the Intermountain West: Preliminary Results. With Jeffrey Englin and Armando Gonzalez-Caban. *Proceedings of the Symposium on Fire Economics, Planning, and Policy: Bottom Lines*. 1999. USDA Forest Service, Pacific Southwest Research Station, General Technical Report PSW GTR 173. 1999.
44. Incorporating Non-Market Values in Fire Management Planning. With Douglas B. Rideout and Philip N. Omi. *Proceedings of the Symposium on Fire Economics, Planning, and Policy: Bottom Lines*. 1999. USDA Forest Service, Pacific Southwest Research Station, General Technical Report PSW GTR 173. 1999.
43. Economic Dimensions of Ecosystem Management. Edited by H. Ken Cordell and John C. Bergstrom. *Integrating Social Sciences with Ecosystem Management: Human Dimensions in Assessment, Policy, and Management*. 1999.
42. Estimated Effects of Climate Change on Selected Outdoor Recreation Activities in the United States. With John Crespi. In *The Impact of Climate Change on the United States Economy*. Edited by Robert Mendelsohn and James E. Neumann. *Cambridge University Press*. 1999.
41. Contingent Valuation Methodologies and the U.S. Institutional Framework. Valuing Environmental Preferences. In *Valuing Environmental Preferences. Theory and Practice of the Contingent Valuation Method in the U.S. E.U., and Developing Countries*. Edited by Ian J. Bateman and Kenneth G. Willis. *Oxford University Press*. 1999.

40. Demand and Supply for Wilderness. in *Outdoor Recreation in American Life: A National Assessment of Demand and Supply Trends*. H.Ken Cordell, Editor. Sagamore Publishing, Champaign, IL. 1999. with K. Bonnetti and C. Echohawk.
39. Comparing Benefits and Costs of Water Resource Allocation Policies for California's Mono Basin. In *Advances in the Economics of Environmental Resources: Marginal Cost Rate Design and Wholesale Water Markets*. Edited by Darwin C. Hall. JAI Press, Inc., 1996. With T.Wegge and M. Hanemann.
38. Measuring General Public Preservation Values for Forest Resources: Evidence from Contingent Valuation Surveys. In *Forestry, Economics and the Environment*. Edited by W. L. Adamowicz, et al. CAB International, Oxon, England, 1996
37. Review of The Economic Value of Biodiversity by David Pearce and Dominic Moran, *Journal of Economic Literature* XXXIII(3), December 1995.
36. Shifting and Broadening the Economic Paradigm Toward Natural Resources. In *A New Century for Natural Resources Management*. Edited by Richard L. Knight and Sarah F. Bates. Island Press, 1995.
35. Biodiversity, Economic Appraisal. *Encyclopedia of Environmental Biology*, Volume 1. Academic Press, 1995.
34. The Basics of Contingent Valuation Method. In *The New Rules for Natural Resource Damage Assessments and Claims Under CERCLA and OPA*, co-chaired by L. Burlington and W. S. Roush, Jr. Prentice Hall Law & Business, NJ, 1994.
33. Economic Valuation of Reducing Fire in Old Growth Forests in the Pacific Northwest. In *Proceedings of the 12th Conference on Fire and Forest Meteorology*, Jekyll Island, Georgia, October 26-28, 1993. With A. Gonzales-Caban, and R. Gregory.
32. Idaho v. Southern Refrigerated. In *Natural Resource Damages: Law and Economics*, edited by K. Ward and J. Duffield. John Wiley and Sons, NY, 1992. With P. Anderson.
31. Importance of Joint Benefits of Wilderness in Calculating Wilderness Recreation Benefits. In *Proceedings of The Economic Value of Wilderness Conference*, Jackson, WY, May 8-11, 1991.
30. Future Economic Values of Wilderness. In *Proceedings of The Economic Value of Wilderness Conference*, Jackson, WY, May 8-11, 1991. With R. Walsh.
29. Pricing and Revenue Capture: Converting Willingness to Pay Into State and Private Revenue. In *Valuing Wildlife Resources in Alaska*, edited by G. Peterson, C. Swanson, D. McCollum and M. Thomas. Westview Press, 1991. With M. Thomas.
28. Willingness to Pay to Protect Wetlands and Reduce Wildlife Contamination from Agricultural Drainage. In *The Economics and Management of Water and Drainage in Agriculture*, edited by A. Dinar and D. Zilberman, Kluwer Academic Publishers, 1991. With T. Wegge, M. Hanemann, and B. Kanninen, University of California - Berkeley.
27. Economic Value of Wildlife Resources in the San Joaquin Valley: Hunting and Viewing Values. In *The Economics and Management of Water and Drainage in Agriculture*, edited by A. Dinar and D. Zilberman, Kluwer Academic Publishers, 1991. With J. Cooper, University of California - Davis.
26. Financing Outdoor Recreation in the United States. In *Outdoor Recreation Policy: Pleasure and Preservation*, edited by Hutcheson, Noe, and Snow. Greenwood Press, New York. 1990. With W. Mangun, Indiana State University.
25. The Economic Value of Water to Wildlife and Fisheries in the San Joaquin Valley Results of a Simulated Voter Referendum. In *Transactions of 55th North American Wildlife and Natural Resources Conference*.

- Wildlife Management Institute, Washington DC, 1990. With T. Wegge, M. Hanemann and B. Kanninen, University of California - Berkeley.
24. Valuing Nonconsumptive Use and Preservation Values of Game and Nongame Wildlife in California: Results of Surveys on Deer, Birds and Mono Lake. In Proceedings of 69th Annual Conference of the Western Association of Fish and Wildlife Agencies. Seattle, WA, 1989.
 23. Net Economic Value of Hunting and Fishing in Idaho. In, Social Science and Natural Resource Recreation Management, edited by Joanne Vining. Westview Press, Boulder, CO, 1990. With D. Donnelly, C. Sorg and L. Nelson, U.S. Forest Service.
 22. Quantifying the Economic Value of Public Trust Resources Using the Contingent Valuation Method: A Case Study of Mono Lake. Transactions of 54th North American Wildlife and Natural Resources Conference. Wildlife Management Institute. 1989.
 21. Financial Returns to California Landowners for Providing Hunting Access: Analysis and Determinants of Returns and Implications to Wildlife Management. Transactions of 54th North American Wildlife and Natural Resources Conference. Wildlife Management Institute. With L. Fitzhugh, University of California. 1989.
 20. The Consumptive and Nonconsumptive Values of a Game Animal: The Case of California Deer. Transactions of 54th North American Wildlife and Natural Resources Conference. Wildlife Management Institute. With D. Updike and W. Unkle, Cal Fish and Game. 1989.
 19. The Non-Traditional Public Valuation (Option, Bequest, Existence of Wilderness. In Wilderness Benchmark 1988, Proceedings of the National Wilderness Colloquium. General Technical Report SE-51, Southeast Forest Experiment Station, Asheville, NC, January 1989. With R. Walsh, Colorado State University.
 18. Travel Cost Demand Models with Linkages to Fishing Quality: Computerized Models for the Pacific Northwest. In W-133 Benefits and Costs in Natural Resources Planning: Interim Report. Western Regional Research Project Publication.
 17. Bio-Economic Models for Measuring the Economic Effects of Hydropower on Anadromous Fish Populations in the Pacific Northwest. In Waterpower '87 Proceedings of the International Conference on Hydropower, American Society of Civil Engineers, New York, NY, 1988.
 16. Net Economic Benefits of Recreation as a Function of Tree Stand Density. Paper in Proceedings-Future Forests of the Mountain West, U.S. Forest Service. General Technical Report INT-243. Intermountain Research Station, U.S. Forest Service, Ogden, UT, April 1988. With R. Walsh, Colorado State University.
 15. Evaluating The Transferability of Regional Recreation Demand Equations. In Economic Valuation of Natural Resources: Issues, Theory and Application, edited by R. Johnson and G. Johnson. Westview Press, Boulder, CO. With W. Provencher and W. Brown.
 14. Economic Analysis, Chapter 40. In Inventory and Monitoring of Wildlife Habitat. Edited by A. Cooperrider, R. Boyd and H. Stuart. Bureau of Land Management, Denver Service Center, Denver, CO.
 13. How Much Wilderness to Protect? In Proceedings-National Wilderness Research Conference: Current Research. General Technical Report, INT-212, Intermountain Forest and Range Experiment Station, U.S. Forest Service, Ogden, UT. With R. Walsh and R. Gillman, Colorado State University.
 12. Public Benefits of Wild and Scenic Rivers. In Proceedings-National Wilderness Research Conference: Current Research. General Technical Report, INT-212, Intermountain Forest and Range Experiment Station, U.S. Forest Service, Ogden, UT. With R. Walsh and L. Sanders, Colorado State University.
 11. Economic Information in River Recreation Management. In 1984 National River Recreation Symposium Proceedings, Louisiana State University. With G. Peterson, U.S. Forest Service.

10. Measuring the Economic Benefits of Proposed Wild and Scenic Rivers. In 1984 National River Recreation Symposium Proceedings, Louisiana State University. With R. Walsh and L. Sanders, Colorado State University.
9. Trends in the Value of Outdoor Recreation. In Proceedings of 1984 outdoor Recreation Trends II Symposium. With G. Peterson and C. Sorg, U.S. Forest Service.
8. The Importance of Net Economic Values of Wildlife in Planning and Impact Assessment. In Issues and Technology in the Management of Impacted Western Wildlife, Thorne Ecological Institute, Boulder, CO, 1987.
7. Potential Federal Funding of State Nongame Management Programs: Results of the USFWS Study. Transactions of the 50th North American Wildlife and Natural Resources Conference, Wildlife Management Institute. With R. Olson, U.S. Fish and Wildlife Service.
6. Quantifying the Economic Effects of Hydropower Development on Recreational Fisheries: A Case Study of Idaho. In Proceedings of the Symposium on Small Hydropower and Fisheries, American Fisheries Society, Bethesda, MD, 1985. With C. Sorg and D. Donnelly, U.S. Forest Service.
5. Implications of Economics as Applied to Wild Trout Fisheries Management in Idaho. In Wild Trout III: Proceedings of the Symposium. Trout Unlimited, Vienna, VA. With C. Sorg and D. Donnelly, U.S. Forest Service.
4. The Use of Regional Travel Cost Models to Estimate the Net Economic Value of Recreational Fishing at New and Existing Sites. In Making Economic Information More Useful for Salmon and Steelhead Production Decisions, National Marine Fisheries Service, Technical Report F/MWR-8. With W. Brown, Oregon State University. 1984.
3. The Importance of Including Costs of Full Mitigation in Benefit Cost Analysis and Guidance for Planning Actual Mitigation. Transactions of 49th North American Wildlife and Natural Resources Conference. Wildlife Management Institute, 1984.
2. A Field Guide to Wildlife Economic Analysis. Transactions of 49th North American Wildlife and Natural Resources Conference. Wildlife Management Institute, 1984. With G. Peterson and C. Sorg, U.S. Forest Service.
1. Trends Affecting Demand For Dispersed Recreation on Federal Lands. In Dispersed Recreation and Natural Resource Management: A Symposium. Utah State University, April 1979.

IV. SELECTED EXPERIMENT STATION AND GOVERNMENT PUBLICATIONS

27. The Users, Uses and Value of Landsat and Other Moderate Resolution Satellite Imagery in the United States- Executive Summary. Open-File Report 2011-1031. U.S.Geoglacial Survey. 2011.
<http://pubs.usgs.gov/of/2011/1031/pdf/OF11-1031.pdf>. With H. Miller, N. Sexton, L. Koontz, S. Koontz and C. Hermans.
26. Updated Outdoor Recreation Use Values on National Forests and Other Public Lands. General Technical Report PNW-GTR-658. Pacific Northwest Research Station, USDA Forest Service. 2005.
25. Recreational and Nonuse Values of Glen and Grand Canyon. In The State of the Colorado River Ecosystem in Grand Canyon. USGS Circular 1282. With A. Douglas and D. Harpman. 2005.
24. Economic Analysis of Alternative Bison and Elk Management Practices on the National Elk Refuge and Grand Teton National Park. U.S. Geological Survey, Open File Report 2004-1305. Reston, VA. 2004.
23. Economic Value of Big Game Habitat Production from Natural and Prescribed Fire. Research Paper PSW-RP-249, Pacific Southwest Research Station, USDA Forest Service. With five other authors.
22. Evaluating Benefits and Costs of Changes in Water Quality. Gen. Tech. Rep. PNW-GTR-548. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. With Jessica Koteen and Susan J. Alexander.
21. Benefit Transfer of Outdoor Recreation Use Values: a Technical Document Supporting the Forest Service Strategic Plan (2000 revision). Gen. Tech. Rep. RMRS-GTR-72. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. With Randall S. Rosenberger.
20. Measuring the Economic Benefit of Maintaining the Ecological Integrity of the Rio Mameyes in Puerto Rico. *United States Department of Agriculture, Forest Service*, Research Paper PSW-RP-240. With Armando Gonzalez-Caban. 2000.
19. Role of Nonmarket Economic Values in Benefit-Cost Analysis of Public Forest Management. General Technical Report PNW-GTR-361, March 1996. With Cindy Sorg.
18. Economic Benefits of Deer in California: Hunting and Viewing Values. Institute of Ecology Report #32, College of Agriculture and Environmental Sciences, University of California, Davis, CA, 1989. With M. Creel and J. Cooper.
17. Valuing Watershed Restoration Projects. Division of Environmental Studies, University of California, Davis, CA. With Wes Ingram, University of California-Davis. Feb. 28, 1989.
16. Economic Benefits of Pristine Watersheds: The Economic Effects of Timber Harvesting on Recreational and Commercial Fisheries and Municipal Watersheds. Published by the American Wilderness Alliance, Denver, CO, December 1988.
15. The Montana Elk Hunting Experience: A Contingent Valuation Assessment of the Economic Benefits to Hunters. Montana Department of Fish, Wildlife and Parks, Bozeman, MT, September 1988. With Joe Cooper and Stewart Allen, University of California-Davis.
14. Economic Activity and Value Associated With Public Parks and Outdoor Recreation Areas in California. Published by California Park and Recreation Society, Sacramento, CA 95608.
13. The Net Economic Value of Antelope Hunting in Montana. Montana Department of Fish, Wildlife and Parks, Bozeman, MT, January 1988. With J. Cooper, University of California-Davis.
12. The Net Economic Value of Fishing in Montana. Montana Department of Fish, Wildlife and Parks, Bozeman, MT, August 1987. With J. Duffield and R. Brooks, University of Montana.

11. Net Economic Value of Upland Game Hunting in Idaho. Resource Bulletin RM-1S. Rocky Mountain Forest and Range Experiment Station, U.S. Forest Service. Fort Collins, CO. With J. Young, D. Donnelly, C. Sorg and L. Nelson, 1987.
10. The Contribution of Recreation to National Economic Development, in A Literature Review, Presidents Commission on Americans Outdoors. With R. Walsh, Colorado State University.
9. Economic Evaluation of Public Trust Resources of Mono Lake. Institute of Ecology Report #30. University of California, Davis. 1987.
8. Comparability of Market and Nonmarket Valuations of Forest and Rangeland Outputs. Research Note RM-4S7. Rocky Mountain Forest and Range Experiment Station, U.S. Forest Service, CO, October 1985. With J. Hof.
7. Net Economic Value of Hunting Unique Species in Idaho: Bighorn Sheep, Mountain Goat, Moose and Antelope. Resource Bulletin RM-10. Rocky Mountain Forest and Range Experiment Station, U.S. Forest Service, CO, November 1985. With C. Sorg and D. Donnelly and L. Oldenburg.
6. Net Economic Value of Cold and Warm Water Fishing in Idaho. Resource Bulletin, RM-11. Rocky Mountain Forest and Range Experiment Station, U.S. Forest Service, CO. With C. Sorg, D. Donnelly, G. Peterson and L. Nelson.
5. Net Economic Value of Recreational Steelhead Fishing in Idaho. Resource Bulletin RM-9. Rocky Mountain Forest and Range Experiment Station, U.S. Forest Service, April 1985. With D. Donnelly Sorg and L. Nelson.
4. Wild and Scenic River Economics: Recreation Use and Preservation Values. Department of Agricultural and Natural Resource Economics, Colorado State University, Jan. 1985. Published by American Wilderness Alliance, Denver, CO. With R. Walsh and L. Sanders, Colorado State University.
3. The Travel Cost Model: Concepts and Applications. General Technical Report RM-109. Rocky Mountain Forest and Range Experiment Station, U.S. Forest Service, CO, May 1984. With D. Rosenthal and G. Peterson.
2. Empirical Estimates of Amenity Forest Values: A Comparative Review. General Technical Report RM-107. Rocky Mountain Forest and Range Experiment Station, U.S. Forest Service, CO, March 1984. With C. Sorg.
1. Wilderness Resource Economics: Recreation Use and Preservation Values. Department of Economics, Colorado State University, May 1981. Published by American Wilderness Alliance, Denver, CO. With R. Walsh and R. Gillman, Colorado State University.