**Publications – Robert C. Lucas**

Lucas, Robert C. 1963. Bias in estimating re creationists’ length of stay from sample interviews. *Journal of Forestry* 61(12): 912-914.

Lucas, Robert C.; Priddle, George B. 1964. Environmental perception: a comparison of two wilderness areas. Annals of the Association of American Geographers In: Annals of the Association of American Geographers 54(3): 428-429.

Lucas, Robert C. 1964. The recreational use of the Quetico-Superior area. Res. Pap. LS-8. St. Paul, MN: USDA For. Serv. Lake States Forest Exper. Stn.

Lucas, Robert C. 1964. The recreational capacity of the Quetico-Superior area. Res. Pap. LS-15. St. Paul, MN: USDA For. Serv. Lake States Forest Exper. Stn.

Lucas, Robert C. 1964. Wilderness perception and use: the example of the Boundary Waters Canoe Area. *Natural Resources Journal* 3(3): 394-411.

Lucas, Robert C. 1964. User concepts of wilderness and their implications for resource management. In: Western resource papers 1964—new horizons for resources research. Boulder, CO: University of Colorado Press. 29-39.

Lucas, Robert C.; Schweitzer, Dennis. 1965. Outdoor recreation surveys: length-of-stay bias and its correction by computer. Res. Note LS-68. St. Paul, MN: USDA For. Serv. Lake States Forest Exper. Stn.

Lucas, Robert C. 1967. The changing recreational use of the Boundary Waters Canoe Area. Res. Note LS-42. St. Paul, MN: USDA For. Serv. Lake States Forest Exper. Stn.

Lucas, Robert C. 1969. Research needed for National Parks. Nelson, J.G., ed. Canadian parks in perspective. 284-309pp.

Lucas, Robert C. 1970. User evaluation of campgrounds on two Michigan National Forests. Res. Pap. NC-44. St. Paul, MN: USDA For. Serv., North Central Forest Exper. Stn. .

Lucas, Robert C.; Oltman, Jerry L. 1971. Survey sampling wilderness visitors. Journal of Leisure Research 3(1): 28-43.   
Lucas, Robert C. 1971. Hikers and other trail users. Larson, E. vH., ed. Recreation Symposium Proceedings 1971 October 12-14; Syracuse, NY. Upper Darby, PA: USDA For. Serv., Northeastern Forest Exper. Stn. 113-122.

Lucas, Robert C. 1971. The challenge and the response to Forest Service wilderness management in the Northern Rockies. Naturalist 22(3): 2-5.

Lucas, Robert C.; Schreuder, Hans T.; James, George A. 1971. Wilderness use estimation: a pilot test of sampling procedures on the Mission Mountains Primitive Area. Res. Pap. INT-109. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. .

Lucas, Robert C. 1971. Natural amenities, outdoor recreation, and wilderness. In: Behan, R.W.; Weddle, Richard M., eds. Ecology economics environment. Missoula, MT: University of Montana, School of Forestry, Montana Forest and Conservation Exper. Stn. 131-150pp.

Stankey, George H.; Lucas, Robert C.; Ream, Robert R. 1973. Relationships between hunting success and satisfaction. In: Transactions of the thirty-eighth North American wildlife and natural resources conference; 1973 March 19-21; Washington, DC. Washington, DC: Wildlife Management Institute Wildlife Management Institute .

Hendee, John C.; Lucas, Robert C. 1973. Mandatory wilderness permits: a necessary management tool. Journal of Forestry 71(4): 206-209.

Lucas, Robert C. 1973. Wilderness:a management framework. Journal of Soil and Water Conservation 28(4): 150-154.

Lucas, Robert C. 1974. Forest Service wilderness research in the Rockies: what we’ve learned so far. Western Wildlands 1(2): 5-12.

Lucas, Robert C. 1975. Low compliance rates at unmanned trail registers. Res. Note INT-200. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. 6p.

Lucas, Robert C.; Rinehart, Robert P. 1976. The neglected hiker. Backpacker Magazine 4(1): 35-39.

Stankey, George H.; Lucas, Robert C.; Lime, David W. 1976. Crowding in parks and wilderness. Design and Environment 7(3): 38-41.

Lucas, Robert C.; Shechter, Mordechai. 1977. A recreational visitor travel simulation model as an aid to management planning. Simulation and Games 8(3): 375-384.

Lime, David W.; Lucas, Robert C. 1977. Good information improves the wilderness experience. Naturalist 28(4)

Lucas, Robert C. 1977. Symposium summary. In: Proceedings: river recreation management and research symposium; 1977 January 24-27; Minneapolis, MN. Gen. Tech. Rep. NC-28. St. Paul, MN: USDA For. Serv., North Central Forest Exper. Stn. 221-239pp.

Lucas, Robert C.; Shechter, Mordechai. 1977. A recreational visitor simulation model as an aid to management planning. In: Elsner, Gary, compiler. State-of-the-art methods for research, planning, and determining the benefits of outdoor recreation. Gen. Tech. Rep. PSW-20. Berkeley, CA: USDA For. Serv., Pacific Southwest Forest and Range Exper. Stn. 31-35pp.

Lucas, Robert C. 1978. Impact of human pressure on parks, wilderness, and other recreational lands. In: Hammond, Kenneth A.; Macinko, George; Fairchild, Wilma B., eds. Sourcebook on the environment: a guide to the literature. Chicago; London: The University of Chicago Press 221-239pp.

Clark, Roger N.; Lucas, Robert C. 1978. The forest ecosystem of southeast Alaska: outdoor recreation and scenic resources. Gen. Tech. Rep. PNW-66. Portland, OR: USDA For. Serv., Pacific Northwest Forest and Range Exper. Stn 116p.

Hendee, John C.; Stankey, George H.; Lucas, Robert C. 1978. Wilderness management. Washington DC: US Gov. Print. Off.

Lucas, Robert C. 1979. Perceptions of non-motorized recreational impacts: a review of research findings. In: Ittner, Ruth; Potter, Dale R.; Agee, James K.; Anschell, Susie, eds. Conference proceedings: recreational impacts on wildlands; 1978 October 27-29; Seattle, WA. No. R-6-001-1979. Seattle, WA: USDA For. Serv., Pacific Northwest Region 24-31pp.

Shafer, Elwood L., Jr.; Lucas, Robert C. 1979. Research needs and priorities for dispersed recreation management. Journal of Leisure Research 10(4): 311-320.

Shechter, Mordechai; Lucas, Robert C. 1980. On the optimal use of natural and scenic resources for recreation. Resource Management and Optimization 1(1): 1-27.

Lucas, Robert C. 1980. Use patterns and visitor characteristics, attitudes, and preferences in nine wilderness and other roadless areas. Res. Pap. INT-253. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. 89p.

Shechter, Mordechai; Lucas, Robert C. 1980. A park visitor travel simulation model as a management tool. In: Hawkins, Donald E.; Shafer, Elwood L.; Rovelstad, James M., eds. Tourism marketing and management issues. (The International Symposium on Tourism and the Next Decade); 1979 March 11-15; Washington, DC. Washington, DC: George Washington University 379-390pp.

Shechter, Mordechai; Lucas, Robert C. 1980. Validating a large-scale simulation model of wilderness recreational travel. Interfaces10(5): 11-18.

Lucas, Robert C. 1980. The "backcountry concept": a positive viewpoint. Montana Outdoors 11(6): 24-25.

Lucas, Robert C.; Kovalicky, Thomas J. 1981. Self-issued wilderness permits as a use measurement system. Res. Pap. INT-270. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. 18p.

Lucas, Robert C. 1981. Redistributing wilderness use through information supplied to visitors. Res. Pap. INT-277. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. 15p.

Lucas, Robert C. 1981. Wildland recreation research needs: a Forest Service viewpoint. In: Gum, Russell L.; Arthur, Louise M., eds. Outdoor recreation and the public interest: proceedings of the 1979 meeting of W-133; [date and location of meeting unknown]. Spec. Rep. 610. Corvallis, OR: Oregon State University, Argicultural Exper. Stn.: 31-42pp.

Lucas, Robert C. 1982. Recreation regulations--when are they needed?. Journal of Forestry 80(3): 148-151.

Temple, Kenneth L.; Camper, Anne K.; Lucas, Robert C. 1982. Potential health hazard from human wastes in wilderness. Journal of Soil and Water Conservation 37(6): 357-359.

Lucas, Robert C. 1983. Low and variable visitor compliance rates at voluntary trail registers. Res. Note INT-326. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. 5p.

Lucas, Robert C. 1983. The role of regulations in recreation management. Western Wildlands 9(2): 6-10.

Lucas, Robert C. 1983. Keeping the wild in wilderness recreation. In: Hayes, Jack, ed. Using our natural resources: yearbook of agriculture. Washington, DC: U.S. Department of Agriculture 384-393pp.

Stankey, George H.; Cole, David N.; Lucas, Robert C.; Petersen, Margaret E.; Frissell, Sidney S. 1985. The limits of acceptable change (LAC) system for wilderness planning. Gen. Tech. Rep. INT-176. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. 37pp.

Lucas, Robert C.; Cole, David N.; Stankey, George H. 1985. Research update: what we have learned about wilderness management. In: Frome, Michael, ed. Issues in wilderness management. Boulder, CO: Westview Press: 173-188.

Lucas, Robert C. 1985. The management of recreational visitors in wilderness areas in the United States. In: Bayfield, N. G.; Barrow, G. C., eds. The ecological impacts of outdoor recreation on mountain areas in Europe and North America. R.E.R.G. Report No. 9. Wye, England: Recreation Ecology Research Group 122-136pp.

Lucas, Robert C. 1985. Visitor characteristics, attitudes, and use patterns in the Bob Marshall Wilderness complex, 1970-82. Res. Pap. INT-345. Ogden, UT: USDA For. Serv., Intermountain Research Station 32p.

Lucas, Robert C. 1985. Planned ignitions in wilderness: response to paper by William A. Worf. In: Proceedings--symposium and workshop on wilderness fire; 1983 November 15-18; Missoula, MT. Gen. Tech. Rep. INT-182. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn. 286-289pp.

Bird, Douglas; Lucas, Robert C. 1985. The high-intensity and large-fire issue in wilderness. In: Proceedings--symposium and workshop on wilderness fire; 1983 November 15-18; Missoula, MT. Gen. Tech. Rep. INT-182. Ogden, UT: USDA For. Serv., Intermountain Forest and Range Exper. Stn 302-303pp.

Lucas, Robert C. 1985. Recreation trends and management of the Bob Marshall Wilderness complex. In: Wood, James D., Jr., ed. Proceedings--1985 national outdoor recreation trends symposium II, Volume II; 1985 February 24-27; Myrtle Beach, SC. Atlanta, GA: U.S. Department of the Interior, National Park Service, Southeast Regional Office 309-316pp.

Lucas, Robert C.; Stankey, George H. 1985. Role of research in applying the limits of acceptable change system. In: Watson, Alan E., ed. Proceedings: southeastern recreation research conference; 1985 February 28-March 1; Myrtle Beach, SC. Statesboro, GA: Georgia Southern College, Department of Recreation and Leisure Services 1-15pp.

Lucas, Robert C., compiler 1986. National wilderness research conference: current research. Proceedings--National Wilderness Research Conference: current research; 1985 July 23-26; Fort Collins, CO. Gen. Tech. Rep. INT-212. Ogden, UT: USDA For. Serv., Intermountain Research Station 553p.

Lucas, Robert C. 1986. Influence of visitor experience on wilderness recreation trends. Proceedings--National Wilderness Research Conference: current research; 1985 July 23-26; Fort Collins, CO. Gen. Tech. Rep. INT-212. Ogden, UT: USDA For. Serv., Intermountain Research Station 261-268pp.

Lucas, Robert C.; McCool, Stephen F.; Stankey, George H.; Stokes, Gerald L.; Cole, David L.; Mercer, John; Wall, Ken; Ashor, Joseph L. 1986. A wilderness planning-application example. Proceedings--National Wilderness Research Conference: current research; 1985 July 23-26; Fort Collins, CO. Gen. Tech. Rep. INT-212. Ogden, UT: USDA For. Serv., Intermountain Research Station 523-553pp.

Lucas, Robert C. 1986. Managing future forests for wilderness and recreation. In: Crowley, John J., ed. Research for tomorrow: 1986 yearbook of agriculture. Washington, DC: U.S. Department of Agriculture 217-221pp.

Lucas, Robert C.; Krumpe, Edwin E. 1986. Wilderness management. In: A literature review: The President’s Commission on Americans Outdoors. Washington, DC: The President’s Commission on Americans Outdoors: Management 121-130.

Krumpe, Edwin E.; Lucas, Robert C. 1986. Research on recreation trails and trail users. In: A literature review: The President’s Commission on Americans Outdoors. Washington, DC: The President’s Commission on Americans Outdoors: Management 151-163pp.

Lucas, Robert C., compiler 1987. National wilderness research conference: issues, state-of-knowledge, future directions.Proceedings--National Wilderness Research Conference: issues, state-of-knowledge, future directions; 1985 July 23-26; Fort Collins, CO. Gen. Tech. Rep. INT-220. Ogden, UT: USDA For. Serv., Intermountain Research Station 369p.

Lucas, Robert C. 1987. Perspectives on the history of wilderness research. Proceedings--National Wilderness Research Conference: issues, state-of-knowledge, future directions; 1985 July 23-26; Fort Collins, CO. Gen. Tech. Rep. INT-220. Ogden, UT: USDA For. Serv., Intermountain Research Station 15-28pp.

Roggenbuck, Joseph W.; Lucas, Robert C. 1987. Wilderness use and user characteristics: a state-of-knowledge review.Proceedings--National Wilderness Research Conference: issues, state-of-knowledge, future directions; 1985 July 23-26; Fort Collins, CO. Gen. Tech. Rep. INT-220. Ogden, UT: USDA For. Serv., Intermountain Research Station 204-245pp

Cole, David N.; Petersen, Margaret E.; Lucas, Robert C. 1987. Managing wilderness recreation use: common problems and potential solutions. Gen. Tech. Rep. INT-GTR-230. Ogden, UT: USDA For. Serv., Intermountain Research Station .

Haas, Glenn E.; Driver, B. L.; Brown, Perry J.; Lucas, Robert C. 1987. Wilderness management zoning. Journal of Forestry 85(12): 17-21.

Lucas, Robert C., McCool, Stephen F. 1988. Trends in wilderness recreational use: causes and implications. Western WildlandsFall: 15-20.

Lucas, Robert C.; Stankey, George H. 1988. Shifting trends in wilderness recreational use benchmark. In: Watson, Alan E., compiler. Outdoor recreation benchmark 1988: Proceedings of the national outdoor recreation forum; 1988 January 13-14; Tampa, FL. Gen. Tech. Rep. SE-52. Asheville, NC: USDA For. Serv., Southeastern Forest Exper. Stn. 357-367pp.

Lucas, Robert C. 1989. A look at wilderness use and users in transition. Natural Resources Journal 29(1): 41-55.

Martin, Steven R.; McCool, Stephen F.; Lucas, Robert C. 1989. Wilderness campsite impacts: do managers and visitors see them the same?. Environmental Management 13(5): 623-629.

Lucas, Robert C. 1990. How wilderness visitors choose entry points and campsites. Research Paper INT-428. Ogden, UT: USDA For. Serv., Intermountain Research Station 12p.

McCool, Stephen F.; Lucas, Robert C. 1990. Managing resources and people in wilderness: accomplishments and challenges. In: Lime, David W., ed. Managing America’s Enduring Wilderness Resource: Proceedings of the Conference; 1989 September 11-17; Minneapolis, MN: 64-75pp.

Hendee, John C.; Stankey, George H. Lucas, Robert C. 1990. Wilderness management, 2nd ed. Golden, CO: Fulcrum Publishing.