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SUMMARY

Over twenty years experience analyzing, designing and managing programs and policies to mitigate human impacts on the environment. Experience in over 45 countries with interdisciplinary efforts to integrate conservation of natural habitats with social and economic development. Committed to designing, monitoring and modifying projects for improved results (adaptive management) and to using lessons from field projects and local conservation efforts to improve environmental policy and practice. Have detailed understanding of institutional and community-based approaches to domestic and international conservation; broad knowledge of private sector and public sector (domestic, bilateral and multilateral) support for environmental initiatives; and skill in grant-making and in translating ecological science to policy-makers.

EDUCATION

- Ph.D. 1985. Biology. University of North Carolina, Chapel Hill, NC.
Dissertation: Nitrogen availability, primary production, and nutrient cycling during secondary succession in North Carolina piedmont forests. Advisor: Peter M. Vitousek.
- MS 1982. Botany. University of North Carolina, Chapel Hill, NC.
Research: Fine root production and nutrient cycling in a pine-wiregrass savanna on the North Carolina coastal plain.
- BA 1977. Williams College, Williamstown, MA. Honors in Biology.
Environmental Studies Program.
Junior year. Cornell University, Ithaca, NY. 1975-76

PROFESSIONAL EXPERIENCE

**2001 – present. Executive Director, Duke Center for Environmental Solutions, and Research Scientist in the Division of Environmental Sciences and Policy in the Nicholas School of the Environment and Earth Sciences
Duke University, Durham, NC.**

The Duke Center for Environmental Solutions is a university-wide initiative seeking creative solutions to complex environmental challenges through multi and interdisciplinary research and analysis. Serve as chief operating officer, directing Center programs, staff, budget, space and internal and external relations. Work with Center Executive Committee members from a range of schools and departments to design research projects, seek external funding, and implement projects. Serve as principle investigator on selected research initiatives.

**1999 - 2001. Director, Environmental Management Center, Brandywine Conservancy
Chadds Ford, PA.**

Directed efforts to conserve the natural resources of the Brandywine River watershed and surrounding lands in Southeastern Pennsylvania and northern Delaware, with a primary emphasis on water quantity and quality.

Responsible for stewardship of conservation easements on over 27,000 privately owned acres, efforts to permanently protect additional lands, and management of 2,000 acres of Conservancy-owned preserve land. Managed program for municipal assistance that worked to strengthen environmental aspects of municipal plans and ordinances. Initiated effort to determine priorities for land protection and municipal assistance based on ecological importance and threats to land and water in the region. Responsible for raising funds from local, state and federal government agencies and private foundations. Managed 20 staff and an annual budget over \$1.6 million.

1991 -1999. Executive Director, Biodiversity Support Program. Washington, DC

The Biodiversity Support Program (BSP) was a consortium of the World Wildlife Fund, The Nature Conservancy and World Resources Institute and was funded by the US Agency for International Development (USAID). Directed BSP initiatives to:

- provide technical assistance to projects that integrate conservation with development in Africa/Madagascar, Asia/Pacific, Latin America/Caribbean, and Eastern Europe
- analyze lessons-learned about approaches to conservation, and
- communicate results to the global conservation community.

Highlights of accomplishments include:

- Directed the expansion of the program from 9 staff with an annual budget of \$1.5 million in 1991, to 45 staff with an annual budget over \$10 million in 1999.
- Facilitated a one-year collaboration among five international NGOs to develop an ecoregion-based approach to conservation priorities in Latin America and the Caribbean.
- Oversaw the creation of the Biodiversity Conservation Network for Asia and the Pacific, a \$20 million, seven-year program that supported site-specific, enterprise-based approaches to conservation through an explicit hypothesis-testing approach.
- Established a program for Analysis and Adaptive Management that analyzed current approaches to conservation and assisted projects with design and results monitoring.
- Designed and negotiated two extensions of a cooperative agreement with USAID resulting in extension of the program through 2001 and a cumulative budget of \$65.5 million.

**1987 -1991. Natural Resource Officer (Foreign Service),
US Agency for International Development.**

USAID Mission in Bangkok, Thailand. 1989 - 1991

- Directed the "Management of Natural Resources and Environment for Sustainable Development Project", a \$44 million dollar, 7-year bilateral project that addressed issues in seven environmental sectors including industrial pollution, biological resource management, coastal resource management, sustainable agriculture, and environmental awareness.
- Supervised 5 mission staff, managed 8 USAID contracts and agreements, and oversaw more than 20 host country contracts.
- Cooperated with other multilateral and bilateral donors and non-governmental organizations (NGOs) on natural resource and environment initiatives in Thailand.
- Chief of Division of Environment and Natural Resources, beginning June 1990.

Asia/Near East Bureau. Washington, DC. 1987- 1989

- Managed biological diversity conservation projects and activities funded by the Bureau.
- Provided technical support to USAID overseas missions for projects related to agricultural, coastal and other natural resource issues.
- Conducted an environmental impact assessment in Sri Lanka and assessments of biological diversity conservation needs in Egypt and Jordan.
- Helped teach a course on conservation and development in Costa Rica for US Congressional staff.

**1986 -1987. Forestry and Natural Resource Management Advisor, as a Science,
Engineering and Diplomacy Fellow. US Agency for International Development.
Washington, DC**

Fellow in program coordinated by the American Association for the Advancement of Science (AAAS).

- Provided technical support to USAID Office of Forestry, Environment, and Natural Resources on projects related to tropical forest management and biological diversity.
- Worked in Thailand, Nepal, the Philippines and Bolivia on environmental assessments and on the design and evaluation of conservation and forestry projects.

**1985 -1986. Congressional Science Fellow; US House of Representatives, Subcommittee
Staff Member. Washington, DC**

Worked for John F. Seiberling, the Chairman of the Subcommittee on Public Lands, Committee on Interior and Insular Affairs. Highlights include:

- Organized a Committee oversight hearing on US Forest Service control of the southern pine beetle in national forests, addressing conflicts with private landowners.
- Evaluated inter-agency collaboration on natural resource management in the Greater Yellowstone Ecosystem through an oversight hearing and follow-on report.
- Organized and helped lead a trip to Costa Rica and Panama for Members of Congress to examine tropical deforestation.

1984 -1985. Biological Consultant to Arthur D. Little, Inc. Santa Barbara, CA and Cambridge, MA.

While writing Ph.D. dissertation, contributed to the environmental impact assessment for a proposed oil pipeline and processing facility in Santa Barbara County, California. Assessed the potential impacts on terrestrial and freshwater biota and proposed mitigation measures.

1980 -1984. Teaching Assistant and Research Assistant. Biology Department, University of North Carolina at Chapel Hill. (UNC)

Designed and taught laboratories for General Ecology, General Botany, General Biology, and Introduction to the Diversity of Organisms. Research on effects of elevated CO₂ levels on tissue nutrient contents; and on nitrogen and phosphorus transformations in intensively managed loblolly pine plantations.

1977 -1980. Staff Consulting Biologist. Arthur D. Little, Inc., Cambridge, MA

Contributed to a variety of environmental impact assessments and natural resource management projects. Wrote proposals and managed multi-disciplinary teams.

Examples of project work include:

- Proposed and managed a 12-month contract with the Department of Energy to examine the biomass production of herbaceous species and their potential use on energy farms.
- Prepared an Environmental Impact Assessment on the impacts of disturbance and air pollution from a proposed steel plant on natural vegetation and agricultural crops.
- Contributed to many contracts with the Environmental Protection Agency including analyses of pesticide effects on crops and of proposed legislation and regulations for hazardous waste management.

1975 -1976. Teaching and Research Assistant. Williams College, Williamstown, MA

AWARDS and SERVICE

- 1973 New Jersey State Science Award
- 1977 Dwight Botanical Prize, Williams College
- 1982-84 Elected as representative to the Faculty by the University of North Carolina Biology Graduate Student Association
- 1984 William Chambers Coker Fellowship. University of North Carolina
- 1985-86 American Institute of Biological Sciences. Congressional Science Fellow
- 1986-87 American Association for the Advancement of Science (AAAS). Science and Diplomacy Fellow
- 1987-88 American Institute of Biological Sciences. Public Responsibilities Committee and the Congressional Fellows Committee
- 1992-94 AAAS, Overseas Fellows Selection Committee.
- 1993-96 Pew Scholars Program in Conservation and the Environment, Advisory Committee Member

- 1994-99 Ecological Society of America. Steering Committee for the Sustainable Biosphere Initiative
- 2000-01 Pennsylvania Land Trust Association. Board Member
- 2000-03 Organization for Tropical Studies La Selva Research Station Advisory Committee Member
- 2001 External review committee for US EPA Regional Vulnerability Assessment Program, Research Triangle Park, NC
- 2002 Peer review committee for Marie Selby Botanical Garden, Sarasota, Florida
- 2002-05 Society for Conservation Biology, Secretary for Board of Governors
- 2003-04 Juror for the Heinz Awards
- 2003-04 Lead author for section of the Millenium Ecosystem Assessment on policy implications of future scenarios for communities and NGOs
- 2004 EPA Science Advisory Board Panel reviewing the Environmental Protection Agency Draft Report on the Environment
- 2004-07 Ecological Processes and Effects Committee of EPA Science Advisory Board

RESEARCH GRANTS RECEIVED

- 1981 Southern Regional Education Board Research Grant
- 1983 Sigma Xi Research Grant
- 1983 North Carolina Board of Science and Technology Research Grant
- 1984 National Science Foundation Doctoral Dissertation Support Grant
- 1991-1999 US Agency for International Development, to World Wildlife Fund for Biodiversity Support Program

INVITED LECTURES (selected examples)

- 1984 Cary Arboretum. Millbrook, NY
- 1985 American Society for Plant Physiology. Baton Rouge, LA
- 1992 Williams College, Williamstown, MA
- 1992 Princess Chulabhorn Science Congress. Bangkok, Thailand
- 1993 George Mason University, Fairfax, VA
- 1993 Fletcher School for International Diplomacy, Boston, MA
- 1993 Smithsonian Institution. Front Royal, VA
- 1994 Stanford University, Palo Alto, CA
- 1994 Congressional Research Service, Washington, DC
- 1994 Marie Selby Botanical Garden, Sarasota, FL
- 1994 Conference of Parties to Convention on Biodiversity, Geneva, Switzerland
- 1995 Museum of Natural History, New York, NY
- 1995 Smithsonian/National Institute of Health, Washington, DC
- 1995 Economic Research Service, US Dept. of Agriculture. Washington, DC
- 1996 Organization for Economic Cooperation and Development, Cairns Australia
- 1997 Ashland University, Ashland, OH
- 1998 Duke University, Durham, NC
- 1999 American Association for the Advancement of Science, Washington, DC
- 2001 Delaware River Basin Commission, West Chester, PA

- 2001 Pennsylvania Department of Environmental Protection, Hershey, PA
2003 Global Dialogue Institute. Wake Forest University, Winston-Salem, NC
2003 Williams College, Williamstown, MA

LANGUAGES

French: good Thai: beginner

PUBLICATIONS

- Saterson, K.A, and M. Luppold. 1979. Herbaceous species screening program - Phase I. Published in Third annual biomass energy systems conference proceedings. Solar Energy Research Institute. Golden, Colorado. June 5-7, 1979. p. 245-254.
- Saterson, K.A., and M. Luppold, K. Scow, and R. Lee. 1979. Herbaceous species screening program. Phase 1. Final report to the US Department of Energy, Biomass Energy Systems Branch. Contract ET78C025035A. Available through NTIS. 132pp.
- Cooper, C.B, S. Byshe, and K.A. Saterson. 1980. Ecological assessment support for installation restoration activities at the Rocky Mountain Arsenal. Final report to Industrial Systems Division. US Army Toxic and Hazardous Materials Agency. Aberdeen Proving ground, MD.
- Saterson, K.A. and P.M. Vitousek. 1984. Fine root production and nutrient cycling in Aristida stricta in a North Carolina coastal plain savanna. The Canadian Journal of Botany 62 (4): 823-829.
- Saterson, K.A. 1986. The Congressional Ecosystem. Bioscience. 36 (2):76.
- Saterson, K.A. 1986 Congress Considers International Conservation. Bioscience 36 (8):522.
- Saterson, K.A. 1986. Winding up a year in Congress. Bioscience. 36 (10): 659.
- Shaffer, M.L. and K.A. Saterson. 1987. The biological diversity program of the US Agency for International Development. Conservation Biology. 1 (4): 280-283.
- Saterson, K.A. 1988. Congressional staff examines biological diversity and economic development in Costa Rica. Bioscience. 38 (6): 389.
- Holland, E. and K.A. Saterson. 1989. Women's Contributions to Ecosystem Science. Meeting Review. Bulletin of the Ecological Society of America. 70 (I): 63-65.
- Saterson, K.A. 1989. Scientists and International Conservation. The AAAS Observer. 5 (a supplement to Science) May 5. p. 13-14.
- Saterson, K.A. 1990. Integration of Biological Conservation with Development Policy: The Role of Ecological Analysis, pp. 141-160, Chapter 7, In: Race to Save the Tropics. Ecology and Economics for a Sustainable Future. R. Goodland, Editor. Island Press. Washington DC. 216pp.
- Saterson, K.A. 1991. Conservation of Natural Resources vs. Sustainable International Development: Compatible or Conflicting Goals? p.48-50. Journal of the Center for Environmental Studies. Williams College. Volume 8.

- Baldwin, M.F., D.A. Ferguson, K.A. Saterson and I.E. Wallen. 1992. The Biological Resources of the Arab Republic of Egypt. Status and Recommended Conservation Needs as of 1988. Conservation Treaty Support Fund, Chevy Chase, MD 129pp.
- Saterson, K.A. 1992. Forward to Designing Integrated Conservation and Development Projects. By Michael Brown and Barbara Wyckoff-Baird. Biodiversity Support Program, World Wildlife Fund. Washington, DC. 63pp
- Lowman, M., F. Halle, B. Bouricius, P. Coley, N. Nadkarni, G.Parker, K. Saterson, and J. Wright. 1995. What's Up? Perspectives From The First International Forest Canopy Conference At Sarasota, Florida, 1994. Selbyana. Vol. 16(n:1-11).
- Saterson, K.A. 1996. Forward to Biodiversity in the Balance: Approaches to Setting Geographic Conservation Priorities, by Nels Johnson. Biodiversity Support Program, World Wildlife Fund. Washington, DC. 116pp
- Saterson, K.A. 1996. Ecological Principles and Environmental Indicators: The Challenge of Defining Sustainability in a Dynamic World, page 11-16 in Developing Indicators for Environmental Sustainability: The Nuts and Bolts. Proceedings of the Resource Policy Consortium Symposium June 12-13, 1995, Washington, DC. Sandra Batie, Editor. Special Report 89. The Ohio State University, Department of Agricultural Economics and Rural Sociology, Columbus, OH. 188pp.
- Saterson, K.A. 1997. Bilateral Finance to Provide Positive Incentives For Biodiversity Conservation in Non-Member Countries: Lessons from Experience, page 339-347 in Investing in Biological Diversity. The Cairns Conference. Organization for Economic Cooperation and Development (OECD), Paris, France. 403pp.
- Saterson, K.A. 1997. Message from the Executive Director, page 1 in Advancing Knowledge to Achieve Conservation. Biodiversity Support Program 1996 Annual Report. World Wildlife Fund, Washington, DC. 46pp
- Saterson, K, R. Margoluis, and N. Salafsky, eds. 1998. Measuring Conservation Impact: An Interdisciplinary Approach to Project Monitoring and Evaluation. Proceedings from a BSP symposium at the Society for Conservation Biology Annual Meeting. Biodiversity Support Program. Washington, DC
- Saterson, K.A. 1998. Why is monitoring of conservation projects both necessary and challenging? Chapter 1 in Measuring Conservation Impact: An Interdisciplinary Approach to Project Monitoring and Evaluation. Proceedings from a BSP symposium at the Society for Conservation Biology Annual Meeting. Biodiversity Support Program Washington, DC
- Saterson, K. 1998. The Challenge of Species Conservation. Book review. BioScience. 48(7): 560-562.
- Saterson, K.A. 2001. Government Legislation and Regulation, pages 233-245 in Volume 3 of Encyclopedia of Biodiversity. S.A. Levin, Editor. Academic Press, San Diego.
- Saterson, K.A., N.L.Christensen, R.B. Jackson, R.A. Kramer, S.L. Pimm, M.D.Smith, J.B.Wiener. 2004. Disconnects in Evaluating the Relative Effectiveness of Conservation Strategies. Editorial in Conservation Biology. 18 (3): 1-3

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