Environmental Science

A Global Concern

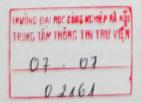
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About the Authors





WILLIAM P. CUNNINGHAM

William P. Cunningham is an emeritus professor at the University of Minnesota. In his 38-year career at the university, he taught a variety of biology courses, including Environmental Science, Conservation Biology, Environmental Health, Environmental Ethics, Plant Physiology, and Cell Biology. He is a member of the Academy of Distinguished Teachers, the highest

teaching award granted at the University of Minnesota. He was a member of a number of interdisciplinary programs for international students, teachers, and nontraditional students. He also carried out research or taught in Sweden, Norway, Brazil, New Zealand, China, and Indonesia.

Professor Cunningham has participated in a number of governmental and nongovernmental organizations over the past 40 years. He was chair of the Minnesota chapter of the Sierra Club, a member of the Sierra Club national committee on energy policy, vice president of the Friends of the Boundary Waters Canoe Area, chair of the Minnesota governor's task force on energy policy, and a citizen member of the Minnesota Legislative Commission on Energy.

In addition to environmental science textbooks, Cunning-ham edited three editions of the *Environmental Encyclopedia*, published by Thompson-Gale Press. He has also authored or coauthored about 50 scientific articles, mostly in the fields of cell biology and conservation biology, as well as several invited chapters or reports in the areas of energy policy and environmental health. His Ph.D. from the University of Texas was in botany.

Professor Cunningham's hobbies include photography birding, hiking, gardening, and traveling. He lives in St. Paul, Minnesota, with his wife, Mary. He has three children (one of whom is coauthor of this book) and seven grandchildren.

Both authors have a long-standing interest in the topic in this book. Nearly half the photos in the book were taken on trips to the places they discuss.

MARY ANN CUNNINGHAM

Mary Ann Cunningham is an associate professor of geography at Vassar College. A biogeographer with interests in landscape ecology, geographic information systems (GIS), and remote sensing, she teaches environmental science, natural resource conservation, and land-use planning, as well as GIS and remote sensing. Field research methods, statistical methods,



and scientific methods in data analysis are regular componer of her teaching. As a scientist and an educator, Mary Ann enjoy teaching and conducting research with both science students a nonscience liberal arts students. As a geographer, she likes engage students with the ways their physical surroundings a social context shape their world experience. In addition to teaching at a liberal arts college, she has taught at community college and research universities.

Mary Ann has been writing in environmental science for or a decade, and she has been coauthor of this book since its sever edition. She is also coauthor of *Principles of Environmental Sence* (now in its fifth edition) and an editor of the *Environmental Sencyclopedia* (third edition, Thompson-Gale Press). She has pulished work on pedagogy in cartography, as well as instruction and testing materials in environmental science. With colleaguat Vassar she has published a GIS lab manual, *Exploring Entronmental Science with GIS*, designed to provide students wan easy, inexpensive introduction to spatial and environmentallysis with GIS.

In addition to environmental science, Mary Ann's prim research activities focus on land-cover change, habitat fragmer tion, and distributions of bird populations. This work allows to conduct field studies in the grasslands of the Great Plains well as in the woodlands of the Hudson Valley. In her spare to she loves to travel, hike, and watch birds.

Mary Ann holds a bachelor's degree from Carleton Colle a master's degree from the University of Oregon, and a Ph from the University of Minnesota.

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