

**Iowa State University Library
Collection Development Policy
Natural Resource Ecology and Management**

I. General Purpose

The purpose of the collection activity in Natural Resource Ecology and Management (NREM) is to develop a research level collection and to support the instructional curriculum and academic subject emphases of the undergraduate up through the doctoral level programs.

II. History

The Natural Resource Ecology and Management Department evolved from the 2002 merger of the Department of Animal Ecology and the century old Forestry Department. This merger was designed to provide the means and facilities to support the continued growth of the programs in forestry, fisheries, wildlife, and wood science; while providing the platform for the growth of new programs.

III. Iowa State University Program

“The Department of Natural Resource Ecology and Management is dedicated to the understanding, effective management, and sustainable use our renewable natural resources through the land-grant missions of teaching, research, and extension. NREM’s disciplinary focus is broad in scope, ranging from individual organisms to landscapes, from natural to managed ecosystems, from wilderness to agricultural and urban systems, from local to international environments, and from resource preservation to utilization. Understanding and effectively managing our natural resources requires long-term vision and multidisciplinary approaches involving NREM personnel working with people from other diverse disciplines across the university and within federal and state agencies and non-governmental organizations. NREM reflects a diversity of disciplines, including ecology and other biological sciences, social science, economics, sustainable resource management and utilization, and human dimensions. NREM serves society through the land-grant tradition of working with undergraduate and graduate students, state and federal government agencies, non-governmental organizations, businesses, and the public.” (quoted from the NREM Department Strategic Plan)

The Department of Natural Resource Ecology and Management offers the B.S. degree in animal ecology or forestry and participates in interdisciplinary programs in biology, environmental studies, international studies, and pest management. Both M.S. and Ph.D. are offered in animal ecology, fisheries biology, forestry, and wildlife biology. Additionally, interdepartmental graduate majors in biorenewable resources technology, ecology and evolutionary biology, environmental science, genetics, plant physiology, sustainable agriculture, or toxicology are offered.

Two units associated with the department coordinate research projects in specific areas: The Iowa Cooperative Fish and Wildlife Research Unit and The North Central Regional Aquatic Center. Specialized research capabilities of the department are Geographic Information Systems (GIS) Lab, indoor intensive aquaculture labs, ISU Aquatic Research Facility (ISU-ARF), Landscape Ecology and Sustainable Ecosystem Modeling Lab and wood products lab.

IV. Subject Boundaries

Natural Resource Ecology and Management encompasses a wide range of subject areas. The main subject areas are as follows:

QH 1-199.5	Natural history (General). Nature conservation. Landscape protection.
QH 352-353	Natural history. Biology (General).
QH 705-705.5	Economic Biology
QK 900-989	Plant Ecology
QL 81-459.2	Animal Behavior
QL 605-795	Animal Morphology
SD	Forestry
SH	Aquaculture Fisheries Angling
SK	Hunting Wildlife Management Game Protection

V. General Collection Guidelines

- A. Linguistic: The language collected is primarily English, although no languages are excluded.
- B. Geographical Areas: Primary emphasis in on Iowa and the United States but is becoming more global in scope. No geographic areas are specifically excluded.
- C. Types of Materials Collected: Materials selected include serials; monographs; conference proceedings; government publications; society, institute and organizational publications; and traditional reference sources (handbooks, encyclopedias, indexes).
- D. Format of Materials Collected: Materials are acquired in print, microform, compact disc, digital video disc, videotape and on the World Wide Web. No format is excluded if the material is relevant to the collection.

VI. Specific Collection Guidelines

Collection for Natural Resource Ecology and Management includes materials that meet the teaching and research needs of the department. The collection also provides resources for the research facilities associated with the department. High priority is given to requests from faculty and students. The emphasis is on the collecting of current literature. Materials are not duplicated unless there is a need for additional copies. Print-on-demand publications are generally not purchased. Natural History is an area for which many pictorial works or “coffee table books” are published: these are generally excluded.

VII. Detailed Subject Areas

See Section IV above.

VIII. Other Resources Available

OCLC library holdings are accessed through their respective networked services to supplement the collection. Web sites are becoming more dominant in the provision of information.

IX. Cross-references to Collection Policies for the following:

Agriculture and Biosystems Engineering; Anthropology; Chemistry; Ecology, Evolutionary and Organismal Biology; Entomology; Environment; Horticulture; Psychology; Sociology, and Veterinary Medicine.

X. Creation date

October 2006

XI. Revision History

XII. LC Class(es), if applicable

See Section IV above.

XIII. Bibliographer name

Janet M. Pine