

Biological Sciences with an Environmental Focus- Collection Management Policy

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I. Purpose:

To support teaching and research through the doctoral level in biology including botany, zoology, and environment. The collection activity in environmental sciences is to develop a research level collection and to support the instructional curriculum and academic subject emphases of both undergraduate and graduate. It was established that Kelvin Smith Library would build a collection of biological works with a focus on the environment because it was felt to be an area that fell into the "cracks". Not actively collected by medical biology or within the social sciences.

Certain aspects of the collection are also relevant to Anthropology, Chemistry, Engineering, Geology, Nursing, and Physics. Environmental Sciences is a very interdisciplinary field; it relates directly to other collection areas including the Natural Sciences, humanities, Economics, Law and Society, Chemistry, Political Science, and other Sciences, Engineering and Social Sciences, and collection activity occurs in those areas. Subjects include biodiversity, environmental movements, risk assessment, environmental problems and solutions, ecology and environmental biology, sustainability, and pollution.

II. General Collection Guidelines:

- A. **Languages:** English is the primary language of collection, but materials written in European languages are acquired selectively. Translations into English are preferred when they are available.
- B. **Chronological Guidelines:** Most acquisitions are current materials.
- C. **Geographical Guidelines:** Emphasis on the Western Hemisphere, including the adjacent oceans.
- D. **Treatment of Subject:** Selective acquisition of lower and upper division textbooks, laboratory manuals, introductory works and popular materials.
- E. **Types of Materials:** Included are treatises, encyclopedias, atlases, dictionaries, directories, abstracts, handbooks, government publications, and the proceedings and transactions of conferences and symposia. Theses and dissertations from other institutions and audio-visual material generally are excluded.



Generally, hard copy is acquired for monographs unless available only in another format. To maximize limited resources, journals and indexes and abstracts are increasingly acquired in electronic format only, so long as they have reliable and perpetual access. In addition to the criteria used for judging print materials (authority, content, etc.), other factors are considered. These include:

- Method of access
- Availability: access to the entire campus is preferred to library-only access
- Licensing requirements
- Availability of, and perpetual access to, archives
- When necessary, microforms may serve as appropriate preservation media.

F. Dates of Publication: Emphasis is on the acquisition of current publications, with limited purchasing of retrospective materials and serial backfiles.

G. Deselection:

H. Cooperative and Related Collections: Case is a founding member of OhioLINK, the Ohio Library and Information Network. OhioLINK is a statewide consortium of public and private colleges and universities, the State Library of Ohio, and technical and community colleges supporting a combined central catalog of statewide holdings, selected online indexes, full-text databases, reference tools, ebooks and image collections. OhioLINK's goal is to provide easy access to information and rapid delivery of library materials throughout the state. Collection development decisions regarding shared electronic resources are made through the OhioLINK Cooperative Information Resources Management (CIRM) Committee.

I. Other General Considerations: Given the interdisciplinary nature of the environmental sciences, scholarship from across the disciplines is collected and materials are acquired in consultation with other science, social science, as appropriate. Priority is given to areas of current faculty research and teaching. Current programs include ecology, plant sciences. Research areas related to the environment include plant dynamics and disturbance ecology. Biology sub-disciplines include genetics, animal behavior, ecology and plant sciences. All works by current and retired faculty are collected.

J. Electronic Resources:

III. Observations and Qualifications by Subject and LC Class:

CDP Levels:

- A. Minimal Level:** Indicates that only highly selective purchases – usually materials for reference use, general interest, or for the support of a very specific research need—will be made.
- B. Instructional Level:** Indicates that standard works and selected current works will be required to support undergraduate and most graduate instruction or sustained independent study. This will



include reference and fundamental bibliographic tools pertaining to the subject and a selection of representative journals. Retrospective purchasing is usually limited to standard works.

- C. General Research Level: Indicates that the library will acquire most of the materials required to support research through the doctoral degree level and the general research needs of the faculty. Allows for retrospective purchasing depending upon the characteristics and needs of the individual disciplines and their state of development in the collection.
- D. Comprehensive Level: Indicates that all currently-published relevant materials will be acquired. Involves extensive programs of retrospective purchasing and searching for lacunae.
- E. Intensive Level: Indicates the library will strive to acquire all appropriate current and retrospective written or recorded materials in all languages, editions, translations, and formats; manuscripts and other archival materials are acquired extensively. This level is appropriate for the creation or maintenance of a collection serving a national bibliographic resource.

Subject	LC Class	Location	CDP Collecting Level	Collection Manager
Ecology principles	QH541	KSL	B	
Botany	QK47	KSL/HCL	C	
Zoology	QL45.2	KSL/HCL	C	
Great Lakes issues-Lake Erie	QE581	KSL	D	Geo Sci.- Shu Guo
Darwinian evolution	QH366.2	KSL/HCL	C	
Natural selection	QH366	KSL/HCL	C	
Biotic abiotic environs	QH541	KSL	C	
Ecosystem conservation	QH75	KSL	C	
Aquatic Biology- Physical Chemical	QH90	KSL/HCL	D	
Lake ecosystems	QH541.5	KSL/HCL	D	
Abundance distribution and diversity of freshwater fish	QL639	KSL	C	
Ecosystem management	QH541	KSL	C	
Animal behavior/learning	QK751		C	



Plant molecular biology	QK717	KSL/HCL	C	
Plant population biology/community ecology	QK910	KSL/HCL	C	
Fire effects on vegetation/fire ecology	QH545 SD541	KSL	D	
Ecosystem modeling	QH541	KSL	C	
Entomology	QL463	KSL/HCL	C	
Savannahs	QK938	KSL	B	
Grassland ecology	QK938 QK541.5 QE#	KSL	C	
Wetland ecology	QH87.3	KSL	C	
Biocomplexity	QH541.5	KSL	B	
GIS programs	**	KSL	D	Ann Holstein- See GIS policy
Soil ecology	QH541.5	KSL	B	Geo Sci KT
Biological diversity	QH541.15	KSL/HCL	C	
Santa Fe Institute	**	KSL	B	
Water pollution	TD225	KSL	C	
Water analysis	TD387	KSL	C	GS

* This document will be reviewed on an annual basis or with significant departmental program changes.