

Laboratory Exercises for Freshwater Ecology


By John E. Havel



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Limnology, stream ecology, and wetland ecology all share an interdisciplinary perspective of inland aquatic habitats. Scientists working in these fields explore the roles of geographic position, physical and chemical properties, and the other biota on the different kinds of plants and animals living in freshwaters. How do these creatures interact with each other and with their physical environment? In what ways have humans impacted aquatic habitats? By what methods do freshwater ecologists study these environments? With this new laboratory manual, Havel provides a variety of accessible hands-on exercises to illuminate key concepts in freshwater ecology. These exercises include a mixture of field trips, indoor laboratory exercises, and experiments, with some portions involving qualitative observations and others more quantitative. With the help of this manual, students will develop an appreciation for careful techniques used in the laboratory and in the field, as well as an understanding of how to collect accurate field notes, keep a well-organized lab notebook, and write clear scientific reports.

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Editorial Review

Review

"Very useful book. Fairly comprehensive in coverage, complete with materials lists, and accessible to introductory students." --Craig Williamson, Miami University

"After evaluating the lab manual, I have decided to use it in my limnology course. The topics are appropriate for an introductory course. Student reading is facilitated by the well-planned format and level of dialogue. Graphics are excellent. I also appreciate the report pages that cover the concepts well and are easy to grade." --Gary Manfredy, Troy State University

"This is an excellent collection of laboratory activities that will complement many upper-level undergraduate and graduate freshwater ecology courses. The detailed instructions and clever demonstrations will be a big help to many instructors." --David Gillette, University of North Carolina, Asheville

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Myra Lopez:

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