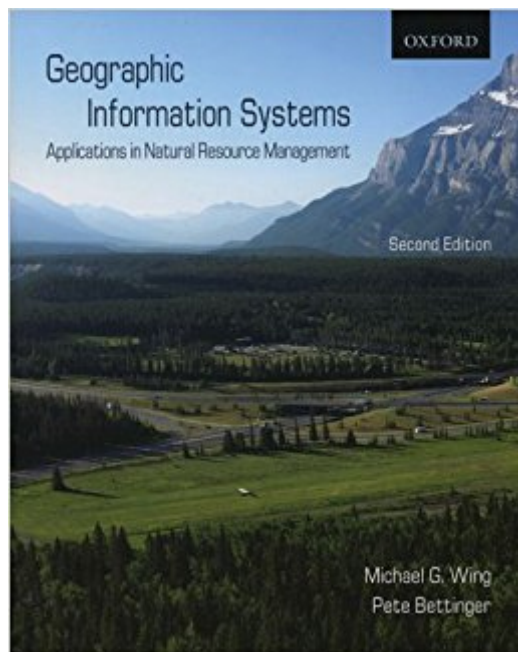




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# **Geographic Information Systems: Applications In Natural Resource Management**



## Synopsis

Geographic Information Systems: Applications in Natural Resource Management is intended for introductory-course students in forestry and natural resource management, field forestry, biology, and other natural resource or natural resource-related fields. The emphasis of this book is on the application of Geographic Information systems (GIS). It provides detailed coverage of GIS operations such as querying, buffering, clipping, and overlay analysis; as well as background information on the history of GIS, database creation, editing and acquisition, and map development. The applications provided can be extended to any region of the world, although the primary emphasis is on Canada and the rest of North America. This book also examines current GIS trends and the opportunities and challenges likely to face GIS users.

## Book Information

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## Customer Reviews

Pete Bettinger is an Associate Professor of harvest scheduling and forest landscape planning in the Warnell School of Forest Resources at the University of Georgia. Michael G. Wing is an Assistant Professor of GIS and spatial analysis in the Forest Engineering Department at Oregon State University and is a registered professional land surveyor.

I didn't buy this book for my pleasure, its a textbook for an Introduction to GIS course, but I don't mind reading it too much. There are lots of examples to look at with pictures that show computer screens so you can take what you've learned and apply it in real life. Chapters are shorter and very

concentrated on the topic being discussed. The wording is easy to digest and won't make you want to rip your eyeballs out in five seconds. As a noncomputer major, this is really key because I don't know the first thing about computer coding. Definitely up there with my top ten textbooks.

Lots of info, not enough graphics! But good book to have in your GIS library.

It is basically like they are trying to teach you the theory of GIS with a huge vocabulary lesson. There are several typos. The best part is the diagrams, because they give you a much better idea than the text does about what they are trying to convey.

If you want to learn about GIS in a natural resource aspect this book is perfect. Gives step-by-step instructions on how to do things.

This is a great entry level publication for any natural resources major. This book begins by covering some basic theory that lays the groundwork for the student's understanding of geographic information systems (GIS). This is followed by more applied chapters which cover some of the more basic functions of GIS (editing maps, buffering features, overlay, etc). I found the "Contemporary Issues in GIS" section very interesting. In this section the authors look into some of the trends in GIS technology (precision forestry and agriculture) as well as some of the challenges faced by GIS users (sharing GIS with people outside your organization). The use of GIS within natural resources is on the rise, so it is imperative that students of the subject learn this material.

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