



Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology)

Jeffrey K. Keller, Charles R. Smith

Download now

Read Online ➔

[Click here](#) if your download doesn't start automatically

Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology)

Jeffrey K. Keller, Charles R. Smith

Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) Jeffrey K. Keller, Charles R. Smith

Geographic Information Systems (GIS) provide a powerful tool for the investigation of species-habitat relationships and the development of wildlife management and conservation programs. However, the relative ease of data manipulation and analysis using GIS, associated landscape metrics packages, and sophisticated statistical tests may sometimes cause investigators to overlook important species-habitat functional relationships. Additionally, underlying assumptions of the study design or technology may have unrecognized consequences. This volume examines how initial researcher choices of image resolution, scale(s) of analysis, response and explanatory variables, and location and area of samples can influence analysis results, interpretation, predictive capability, and study-derived management prescriptions. Overall, most studies in this realm employ relatively low resolution imagery that allows neither identification nor accurate classification of habitat components. Additionally, the landscape metrics typically employed do not adequately quantify component spatial arrangement associated with species occupation. To address this latter issue, the authors introduce two novel landscape metrics that measure the functional size and location in the landscape of taxon-specific 'solid' and 'edge' habitat types. Keller and Smith conclude that investigators conducting GIS-based analyses of species-habitat relationships should more carefully 1) match the resolution of remotely sensed imagery to the scale of habitat functional relationships of the focal taxon, 2) identify attributes (explanatory variables) of habitat architecture, size, configuration, quality, and context that reflect the way the focal taxon uses the subset of the landscape it occupies, and 3) match the location and scale of habitat samples, whether GIS- or ground-based, to corresponding species' detection locations and scales of habitat use.

 [Download Improving GIS-based Wildlife-Habitat Analysis \(Springer ...pdf](#)

 [Read Online Improving GIS-based Wildlife-Habitat Analysis \(Spring ...pdf](#)

Download and Read Free Online Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) Jeffrey K. Keller, Charles R. Smith

Download and Read Free Online Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) Jeffrey K. Keller, Charles R. Smith

From reader reviews:

Della Bailey:

Nowadays reading books become more and more than want or need but also become a life style. This reading addiction give you lot of advantages. Advantages you got of course the knowledge the rest of the information inside the book that improve your knowledge and information. The knowledge you get based on what kind of reserve you read, if you want attract knowledge just go with schooling books but if you want experience happy read one along with theme for entertaining such as comic or novel. The Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) is kind of reserve which is giving the reader capricious experience.

Ginger Beals:

This Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) is great publication for you because the content which can be full of information for you who also always deal with world and still have to make decision every minute. This particular book reveal it details accurately using great plan word or we can claim no rambling sentences in it. So if you are read it hurriedly you can have whole facts in it. Doesn't mean it only will give you straight forward sentences but hard core information with beautiful delivering sentences. Having Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) in your hand like keeping the world in your arm, information in it is not ridiculous 1. We can say that no publication that offer you world throughout ten or fifteen moment right but this guide already do that. So , this can be good reading book. Hi Mr. and Mrs. active do you still doubt that?

Daniele Vaugh:

The book untitled Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) contain a lot of information on this. The writer explains the woman idea with easy approach. The language is very simple to implement all the people, so do not worry, you can easy to read it. The book was authored by famous author. The author brings you in the new period of literary works. You can read this book because you can read more your smart phone, or gadget, so you can read the book inside anywhere and anytime. If you want to buy the e-book, you can open their official web-site in addition to order it. Have a nice learn.

Scott Frew:

Is it a person who having spare time subsequently spend it whole day through watching television programs or just laying on the bed? Do you need something totally new? This Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) can be the reply, oh how comes? A fresh book you know. You are thus out of date, spending your time by reading in this completely new era is common not a geek activity. So what these publications have than the others?

Download and Read Online Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) Jeffrey K. Keller, Charles R. Smith #MZV3N9KTAQ8

Read Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) by Jeffrey K. Keller, Charles R. Smith for online ebook

Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) by Jeffrey K. Keller, Charles R. Smith Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) by Jeffrey K. Keller, Charles R. Smith books to read online.

Online Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) by Jeffrey K. Keller, Charles R. Smith ebook PDF download

Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) by Jeffrey K. Keller, Charles R. Smith Doc

Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) by Jeffrey K. Keller, Charles R. Smith Mobipocket

Improving GIS-based Wildlife-Habitat Analysis (SpringerBriefs in Ecology) by Jeffrey K. Keller, Charles R. Smith EPub