



Ecosystem Dynamics of the Boreal Forest: The Kluane Project

From Charles J Krebs Stan Boutin Rudy Boonstra

Download now

Read Online 

Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra

The boreal forest is one of the world's great ecosystems, stretching across North America and Eurasia in an unbroken band and containing about 25% of the world's closed canopy forests. The Kluane Boreal Forest Ecosystem Project was a 10-year study by nine of Canada's leading ecologists to unravel the impact of the snowshoe hare cycle on the plants and the other vertebrate species in the boreal forest. In much of the boreal forest, the snowshoe hare acts as a keystone herbivore, fluctuating in 9-10 year cycles, and dragging along secondary cycles in predators such as lynx and great-horned owls. By manipulating the ecosystem on a large scale from the bottom via fertilizer additions and from the top by predator exclosures, they have traced the plant-herbivore relationships and the predator-prey relationships in this ecosystem to try to answer the question of what drives small mammal population cycles. This study is unique in being large scale and experimental on a relatively simple ecosystem, with the overall goal of defining what determines community structure in the boreal forest.

Ecosystem Dynamics of the Boreal Forest: The Kluane Project summarizes these findings, weaving new discoveries of the role of herbivores-turned-predators, compensatory plant growth, and predators-eating-predators with an ecological story rich in details and clear in its findings of a community where predation plays a key role in determining the fate of individuals and populations. The study of the Kluane boreal forest raises key questions about the scale of conservation required for boreal forest communities and the many mammals and birds that live there.

 [Download Ecosystem Dynamics of the Boreal Forest: The Kluane Project.pdf](#)

 [Read Online Ecosystem Dynamics of the Boreal Forest: The Kluane Project.pdf](#)

Ecosystem Dynamics of the Boreal Forest: The Kluane Project

From Charles J Krebs Stan Boutin Rudy Boonstra

Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra

The boreal forest is one of the world's great ecosystems, stretching across North America and Eurasia in an unbroken band and containing about 25% of the world's closed canopy forests. The Kluane Boreal Forest Ecosystem Project was a 10-year study by nine of Canada's leading ecologists to unravel the impact of the snowshoe hare cycle on the plants and the other vertebrate species in the boreal forest. In much of the boreal forest, the snowshoe hare acts as a keystone herbivore, fluctuating in 9-10 year cycles, and dragging along secondary cycles in predators such as lynx and great-horned owls. By manipulating the ecosystem on a large scale from the bottom via fertilizer additions and from the top by predator exclosures, they have traced the plant-herbivore relationships and the predator-prey relationships in this ecosystem to try to answer the question of what drives small mammal population cycles. This study is unique in being large scale and experimental on a relatively simple ecosystem, with the overall goal of defining what determines community structure in the boreal forest.

Ecosystem Dynamics of the Boreal Forest: The Kluane Project summarizes these findings, weaving new discoveries of the role of herbivores-turned-predators, compensatory plant growth, and predators-eating-predators with an ecological story rich in details and clear in its findings of a community where predation plays a key role in determining the fate of individuals and populations. The study of the Kluane boreal forest raises key questions about the scale of conservation required for boreal forest communities and the many mammals and birds that live there.

Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra Bibliography

- Rank: #5659834 in Books
- Brand: Charles J Krebs Stan Boutin Rudy Boonstra
- Published on: 2001-04-26
- Original language: English
- Number of items: 1
- Dimensions: 6.20" h x 1.30" w x 8.90" l, 1.95 pounds
- Binding: Hardcover
- 544 pages

 [Download Ecosystem Dynamics of the Boreal Forest: The Kluane Project](#) ...pdf

 [Read Online Ecosystem Dynamics of the Boreal Forest: The Kluane Project](#) ...pdf

Download and Read Free Online Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra

Editorial Review

Review

"This interesting and well presented study looked at the factors that determine the community structure in the boreal forest. . . . The authors ought to be commended for their painstaking study and effort covering about 25 years of research work that addresses topics of importance to the conservation of boreal forests."--*International Journal of Environmental Studies*

"Just as every picture tells a story, so too does every scientific project. This book is the story of the Kluane Boreal Forest Ecosystem Project, told brilliantly by the researchers who toiled for ten years from 1986 to uncover the drama and complexity of this Canadian ecosystem. . . . This type of project is . . . exactly what is needed to enable ecologists to help politicians manage the biological diversity of the Earth when faced with a growing population . . . Before the Kluane Project we had no role model--now we have one."--*Nature*

About the Author

Charles J. Krebs is at University of British Columbia, Vancouver. Stan Boutin is at University of Alberta, Edmonton.

Users Review

From reader reviews:

Roger Cooper:

Now a day people who Living in the era exactly where everything reachable by match the internet and the resources included can be true or not require people to be aware of each info they get. How a lot more to be smart in receiving any information nowadays? Of course the correct answer is reading a book. Examining a book can help people out of this uncertainty Information specifically this Ecosystem Dynamics of the Boreal Forest: The Kluane Project book because book offers you rich details and knowledge. Of course the information in this book hundred per cent guarantees there is no doubt in it as you know.

Susan Albro:

The guide untitled Ecosystem Dynamics of the Boreal Forest: The Kluane Project is the book that recommended to you to learn. You can see the quality of the e-book content that will be shown to you actually. The language that article author use to explained their ideas are easily to understand. The writer was did a lot of investigation when write the book, therefore the information that they share to you personally is absolutely accurate. You also could possibly get the e-book of Ecosystem Dynamics of the Boreal Forest: The Kluane Project from the publisher to make you more enjoy free time.

Angela Bauer:

Are you kind of stressful person, only have 10 or even 15 minute in your morning to upgrading your mind ability or thinking skill possibly analytical thinking? Then you are receiving problem with the book in comparison with can satisfy your small amount of time to read it because all this time you only find book that need more time to be examine. Ecosystem Dynamics of the Boreal Forest: The Kluane Project can be your answer because it can be read by you actually who have those short spare time problems.

Nikki Kirkland:

What is your hobby? Have you heard this question when you got scholars? We believe that that problem was given by teacher with their students. Many kinds of hobby, Every person has different hobby. And you also know that little person just like reading or as reading become their hobby. You need to understand that reading is very important in addition to book as to be the thing. Book is important thing to provide you knowledge, except your personal teacher or lecturer. You see good news or update with regards to something by book. Many kinds of books that can you go onto be your object. One of them is this Ecosystem Dynamics of the Boreal Forest: The Kluane Project.

Download and Read Online Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra #M581AQGO0J2

Read Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra for online ebook

Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra 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 Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra books to read online.

Online Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra ebook PDF download

Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra Doc

Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra MobiPocket

Ecosystem Dynamics of the Boreal Forest: The Kluane Project From Charles J Krebs Stan Boutin Rudy Boonstra EPub