

A Range-Wide Restoration Strategy for Whitebark Pine (Pinus Albicaulis)



Filesize: 6.49 MB

Reviews

*It is just one of the best ebooks. I could possibly comprehend everything using this written ebook. You won't feel monotony at whenever you want of your time (that's what catalogs are for regarding should you check with me).
(Dayana Brekke Sr.)*

A RANGE-WIDE RESTORATION STRATEGY FOR WHITEBARK PINE (PINUS ALBICAULIS)



To read **A Range-Wide Restoration Strategy for Whitebark Pine (Pinus Albicaulis)** eBook, remember to follow the button listed below and download the ebook or get access to additional information which might be in conjunction with A RANGE-WIDE RESTORATION STRATEGY FOR WHITEBARK PINE (PINUS ALBICAULIS) ebook.

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 118 pages. Dimensions: 11.0in. x 8.5in. x 0.3in. Whitebark pine (*Pinus albicaulis*) forests are declining across most of their range in North America because of the combined effects of mountain pine beetle (*Dendroctonus ponderosae*) outbreaks, fire exclusion policies, and the exotic pathogen *Cronartium ribicola*, which infects five-needle white pines and causes the disease white pine blister rust. The loss of this high-elevation tree species poses serious consequences for upper subalpine ecosystems, both in terms of impacts on biodiversity and losses in ecosystem processes; whitebark pine is now a candidate species for listing under the Endangered Species Act. Large, nutritious seeds produced by whitebark pine are an important food for many bird and small mammal species, as well as grizzly (*Ursus arctos horribilis*) and black bears (*Ursus americanus*), and whitebark pine communities provide habitat for many additional wildlife species. Whitebark pine seed dispersal by Clarks nutcrackers (*Nucifraga columbiana*) combined with hardy seedlings results in early whitebark pine community development after fire and other disturbances; whitebark pine seedlings survive on harsh, arid sites and may act as nurse trees to less hardy conifers and vegetation. Whitebark pine at higher elevations, where it is common in many regions, helps regulate snow melt and reduce soil erosion. For these collective functions, whitebark pine is considered both a keystone species for promoting community diversity and a foundation species for promoting community stability. Since more than 90 percent of whitebark pine forests exist on public land in the United States and Canada, it is important that government natural resource management agencies play an important role in ensuring future presence of this tree species by initiating concerted, coordinated, and comprehensive restoration efforts. This is best accomplished through a coordinated, trans-boundary restoration strategy that includes shared infrastructure...



[Read A Range-Wide Restoration Strategy for Whitebark Pine \(Pinus Albicaulis\) Online](#)



[Download PDF A Range-Wide Restoration Strategy for Whitebark Pine \(Pinus Albicaulis\)](#)



[Download ePub A Range-Wide Restoration Strategy for Whitebark Pine \(Pinus Albicaulis\)](#)

Other Books



[PDF] **Letters to Grant Volume 2: Volume 2 Addresses a Kaleidoscope of Stories That Primarily, But Not Exclusively, Occurred in the United States. It de**

Access the link listed below to read "Letters to Grant Volume 2: Volume 2 Addresses a Kaleidoscope of Stories That Primarily, But Not Exclusively, Occurred in the United States. It de" PDF document.

[Read Book »](#)



[PDF] **America s Longest War: The United States and Vietnam, 1950-1975**

Access the link listed below to read "America s Longest War: The United States and Vietnam, 1950-1975" PDF document.

[Read Book »](#)



[PDF] **A Friend in Need Is a Friend Indeed: Picture Books for Early Readers and Beginner Readers**

Access the link listed below to read "A Friend in Need Is a Friend Indeed: Picture Books for Early Readers and Beginner Readers" PDF document.

[Read Book »](#)



[PDF] **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

Access the link listed below to read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF document.

[Read Book »](#)



[PDF] **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

Access the link listed below to read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF document.

[Read Book »](#)



[PDF] **Because It Is Bitter, and Because It Is My Heart (Plume)**

Access the link listed below to read "Because It Is Bitter, and Because It Is My Heart (Plume)" PDF document.

[Read Book »](#)

**[PDF] How Your Baby Is Born by Amy B Tuteur 1994 Paperback**

Follow the hyperlink under to download "How Your Baby Is Born by Amy B Tuteur 1994 Paperback" document.

[Download PDF »](#)

**[PDF] Sport is Fun (Red B) NF**

Follow the hyperlink under to download "Sport is Fun (Red B) NF" document.

[Download PDF »](#)

**[PDF] Peppa Pig: Nature Trail - Read it Yourself with Ladybird: Level 2**

Follow the hyperlink under to download "Peppa Pig: Nature Trail - Read it Yourself with Ladybird: Level 2" document.

[Download PDF »](#)

**[PDF] My Baby Brother Is a Little Monster by Sarah Albee 2007 Paperback**

Follow the hyperlink under to download "My Baby Brother Is a Little Monster by Sarah Albee 2007 Paperback" document.

[Download PDF »](#)

**[PDF] Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

Follow the hyperlink under to download "Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities" document.

[Download PDF »](#)

**[PDF] X-Men annual 2012 (Annals 2012)**

Follow the hyperlink under to download "X-Men annual 2012 (Annals 2012)" document.

[Download PDF »](#)