



Ecology of reintroduced Rocky Mountain bighorn sheep following two transplants in the southern Madison Range, Montana
by Johnna Lynn Roy

A thesis submitted in partial fulfillment of the requirements for the degree of Master of Science in Fish and Wildlife Management
Montana State University
© Copyright by Johnna Lynn Roy (1992)

Abstract:

Rocky Mountain bighorn sheep were monitored from January 1988 through July 1990 during the first 2.5 years following their release into the Southern Madison Range of southwestern Montana. Specific objectives were to document survival, productivity, movements, habitat use and range establishment, and possible limiting factors of transplanted sheep. Data on remnant native sheep herds were also collected.

Two groups of sheep were transplanted from Thompson Falls and Anaconda, Montana during the winters of 1988 (19 sheep) and 1989 (23 sheep), respectively. Twenty-six sheep were radio-collared and released on 2 different historic winter ranges 16 km apart in the Hilgard Peaks. Remnant native herds were present at both release sites.

Two native ewes were darted and radio-collared in 1989.

Blood samples were within normal ranges of cell counts and serum composition for Montana bighorns, and fecal samples indicated presence of lungworm (*Protostrongylus* sp.) infection in 1988 transplants and Hilgard native sheep ($x = 327$ and 8 larvae per gram, respectively). Survival through June 1990 for the original transplanted sheep was 100% and 69% for the 1988 and 1989 release groups, respectively. The transplant population increased to 65 (55% increase) in 2.5 years. Lamb production was moderately high and mortality was low. Lamb:ewe ratios were 23:100 (1988), 67:100 (1989), and 39:100 (1990) for the 1988 transplant group and 61:100 (1989) and 47:100 (1990) for the 1989 group. Native sheep bands had slightly higher ratios over the same interval.

Both transplant groups exhibited a gradual range expansion. Seasonal migrations were characterized by an elevational drift from winter range release sites to adjacent alpine ridges. Movements from summer to winter ranges were common during the summer. Cliffs adjacent to winter ranges (within 2 km) were used for lambing. Exploratory movements up to 7 km were made mainly by rams. One 1989 transplant ewe moved 12 km after release and permanently joined the 1988 transplant band. Transplant rams remained with ewe groups throughout the year. Five distinct native sheep bands were recognized. Bands utilized the 2 common historic winter ranges, but migration and selection of high elevation summer ranges was independent.

Limiting factors identified were interspecific competition with other sympatric ungulates, and intraspecific competition for limited winter range resources.

Range Ecology Of Rocky Mountain Sheep

Francis J. Singer



Range Ecology Of Rocky Mountain Sheep:

Range Ecology of Rocky Mountain Bighorn Sheep in Canadian National Parks John G. Stelfox,1979 *Range Ecology of Rocky Mountain Bighorn Sheep in Canadian National Parks* John Glyde Stelfox,1978 **Wild Mammals of North America** George A. Feldhamer,Bruce C. Thompson,Joseph A. Chapman,2003-11-19 Table of contents Alpine Range Management in the Western United States, Principles, Practices, and Problems John F. Thilenius,1975 **Population Dynamics and Range Ecology of Bighorn Sheep in Rocky Mountain National Parks** John G. Stelfox,1967 *Effects of Grazing by Wild Ungulates in Yellowstone National Park* Francis J. Singer,1996 Fire Ecology of the Forest Habitat Types of Central Idaho Marilyn F. Crane,William C. Fischer,1986 Discusses fire as an ecological factor for forest habitat types occurring in central Idaho Identifies Fire Groups of habitat types based on fire s role in forest succession Considerations for fire management are suggested *USDA Forest Service Research Paper RM. Rocky Mountain Forest and Range Experiment Station (Fort Collins, Colo.),1976* *Browsing Science Research at the Federal Level in Canada* Brian B. Wilks,2004-01-01 Wilks provides a historical background list of publications and description of activities for most of the major science initiatives undertaken at the federal level He surveys a wide range of government documents and monographic and serial science collections used by both faculty and students **U.S. Forest Service Research Paper RM. Rocky Mountain Forest and Range Experiment Station (Fort Collins, Colo.),1975** **Grasslands, Systems Analysis and Man** A. I. Breymeyer,George M. van Dyne,1980-03-20 This 1980 book was a synthesis of much of the recent work on the functioning of grassland ecosystems at the time Wildlife Habitats in Managed Forests Jack Ward Thomas,United States. Forest Service,1979 That is what this book is about It is a framework for planning in which habitat is the key to managing wildlife and making forest managers accountable for their actions This book is based on the collective knowledge of one group of resource professionals and their understanding about how wildlife relate to forest habitats And it provides a longoverdue system for considering the impacts of changes in forest structure on all resident wildlife FWS/OBS. ,1977 **Wildlife Review** ,1990 Wildlife Technical Report ,1975 **Annotated Bibliography of Natural Resource Information** ,1977 Gallatin National Forest (N.F.), Ash and Iron Mountain Grazing Permit Reissuance ,1999 **Proposed Grazing Management Program for the Hualapai-Aquarius EIS Area, Mohave and Yavapai Counties, Arizona** United States. Bureau of Land Management. Phoenix District Office,1981 Clearcutting and Fire in the Larch/douglas-fir Forests of Western Montana Larry S. Bradshaw,Norbert V. DeByle,1980 **A Computerized Bibliography of Selected Sagebrush Species (Genus Artemisia) in Western North America** ,1981

Right here, we have countless ebook **Range Ecology Of Rocky Mountain Sheep** and collections to check out. We additionally allow variant types and in addition to type of the books to browse. The suitable book, fiction, history, novel, scientific research, as well as various extra sorts of books are readily understandable here.

As this Range Ecology Of Rocky Mountain Sheep, it ends going on innate one of the favored book Range Ecology Of Rocky Mountain Sheep collections that we have. This is why you remain in the best website to look the incredible book to have.

<https://pinsupreme.com/book/detail/Documents/marital%20intimacy.pdf>

Table of Contents Range Ecology Of Rocky Mountain Sheep

1. Understanding the eBook Range Ecology Of Rocky Mountain Sheep
 - The Rise of Digital Reading Range Ecology Of Rocky Mountain Sheep
 - Advantages of eBooks Over Traditional Books
2. Identifying Range Ecology Of Rocky Mountain Sheep
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Range Ecology Of Rocky Mountain Sheep
 - User-Friendly Interface
4. Exploring eBook Recommendations from Range Ecology Of Rocky Mountain Sheep
 - Personalized Recommendations
 - Range Ecology Of Rocky Mountain Sheep User Reviews and Ratings
 - Range Ecology Of Rocky Mountain Sheep and Bestseller Lists
5. Accessing Range Ecology Of Rocky Mountain Sheep Free and Paid eBooks
 - Range Ecology Of Rocky Mountain Sheep Public Domain eBooks

- Range Ecology Of Rocky Mountain Sheep eBook Subscription Services
- Range Ecology Of Rocky Mountain Sheep Budget-Friendly Options
- 6. Navigating Range Ecology Of Rocky Mountain Sheep eBook Formats
 - ePub, PDF, MOBI, and More
 - Range Ecology Of Rocky Mountain Sheep Compatibility with Devices
 - Range Ecology Of Rocky Mountain Sheep Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Range Ecology Of Rocky Mountain Sheep
 - Highlighting and Note-Taking Range Ecology Of Rocky Mountain Sheep
 - Interactive Elements Range Ecology Of Rocky Mountain Sheep
- 8. Staying Engaged with Range Ecology Of Rocky Mountain Sheep
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Range Ecology Of Rocky Mountain Sheep
- 9. Balancing eBooks and Physical Books Range Ecology Of Rocky Mountain Sheep
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Range Ecology Of Rocky Mountain Sheep
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Range Ecology Of Rocky Mountain Sheep
 - Setting Reading Goals Range Ecology Of Rocky Mountain Sheep
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Range Ecology Of Rocky Mountain Sheep
 - Fact-Checking eBook Content of Range Ecology Of Rocky Mountain Sheep
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Range Ecology Of Rocky Mountain Sheep Introduction

Range Ecology Of Rocky Mountain Sheep Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Range Ecology Of Rocky Mountain Sheep Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Range Ecology Of Rocky Mountain Sheep : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Range Ecology Of Rocky Mountain Sheep : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Range Ecology Of Rocky Mountain Sheep Offers a diverse range of free eBooks across various genres. Range Ecology Of Rocky Mountain Sheep Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Range Ecology Of Rocky Mountain Sheep Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Range Ecology Of Rocky Mountain Sheep, especially related to Range Ecology Of Rocky Mountain Sheep, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Range Ecology Of Rocky Mountain Sheep, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Range Ecology Of Rocky Mountain Sheep books or magazines might include. Look for these in online stores or libraries. Remember that while Range Ecology Of Rocky Mountain Sheep, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Range Ecology Of Rocky Mountain Sheep eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Range Ecology Of Rocky Mountain Sheep full book , it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Range Ecology Of Rocky Mountain Sheep eBooks, including some popular titles.

FAQs About Range Ecology Of Rocky Mountain Sheep Books

1. Where can I buy Range Ecology Of Rocky Mountain Sheep books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Range Ecology Of Rocky Mountain Sheep book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Range Ecology Of Rocky Mountain Sheep books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Range Ecology Of Rocky Mountain Sheep audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Range Ecology Of Rocky Mountain Sheep books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Range Ecology Of Rocky Mountain Sheep :

marital intimacy

mariana and the merchid

marigolds the effect of gamma rays on man in the moon

mariia zagirnia literaturnii portret

marke em shout hooray

market structure and innovation

marketing in contemporary concepts practical custom edition

mario benedetti utopias en foco manuscritos del poeta

maria magdalena y el santo grail the woman with the alabaster jar

market shock an agenda for the socio-economic reconstruction of central and eastern europe

marine life of the maldives

marie curie

marihuana dictionary

marjory stoneman douglas guardian of the everglades

marital and family processes in depression a scientific foundation for clinical practice

Range Ecology Of Rocky Mountain Sheep :

Joining the Conversation: A Guide and Handbook for Writers Palmquist's Joining the Conversation helps you develop the critical thinking skills to respond thoughtfully to the complex, sometimes contentious conversations ... Joining the Conversation: A Guide and Handbook for Writers Joining the Conversation: A Guide and Handbook for Writers [Palmquist, Mike] on Amazon.com. *FREE* shipping on qualifying offers. Joining the Conversation: ... Joining the Conversation: A Guide and Handbook for Writers Thoroughly revised, the fifth edition includes new student projects and a new chapter that explores the roles writers take on in their documents, empowering ... Joining the Conversation: A Guide and Handbook for Writers Book overview. Joining the Conversation empowers you to make informed decisions about every aspect of the writing process. Palmquist & Wallraff, Joining the Conversation Comprehensive assignment chapters span reflective, informative, analytical and persuasive writing, following real students throughout their writing processes. Joining the Conversation: A Guide for Writers... - ThriftBooks Book Overview. Don't let writer's block get the best of you. Joining the Conversation encourages you as a writer with smart and friendly advice applicable for ... A GUIDE AND HANDBOOK FOR WRITERS

W/2020 APA ... JOINING THE CONVERSATION: A GUIDE AND HANDBOOK FOR WRITERS W/2020 APA UPDATE(EBOOK) AND ACHIEVE. Home » E-books & Codes · JOINING THE CONVERSATION: A GUIDE ... Joining the Conversation: A Guide and Handbook for ... Joining the Conversation: A Guide and Handbook for Writers by Palmquist, Mike; Wallraff, Barbara - ISBN 10: 1319055540 - ISBN 13: 9781319055547 ... Mike Palmquist | Get Textbooks Joining the Conversation at Arizona State University(2nd Edition) A Guide and Handbook for Writers Second Edition (2015) by Mike Palmquist, Barbara Wallraff Information Sheet - how worry works Worry and Problematic Worry. Worry is generally regarded as a form of verbal mental problem solving about potentially negative future events. Worry and Rumination Jul 10, 2023 — Mastering Your Worries: This workbook is designed to provide you with some information about chronic worrying and generalised anxiety disorder ... CCI - Generalised Anxiety Disorder Resources for Clinicians Jul 10, 2023 — Me Worry? Mastering Your Worries: This workbook is designed to provide you with some information about chronic worrying and generalised anxiety ... What? Me Worry!?! - Module 2 Overview of Worrying Working with Worry and Rumination: A. Metacognitive Group Treatment Programme for Repetitive Negative Thinking. Perth, Western Australia: Centre for Clinical ... What-Me-Worry---07---Problem-Solving.pdf There is good scientific evidence to support that targeting metacognitions and behaviours in therapy can help many people to overcome generalised anxiety. ... CCI Information Sheets and Workbooks for Mental Health ... Jul 13, 2022 — The resources provided on this website aim to provide general information about various mental health problems, as well as, techniques that ... Anxiety Self-Help Resources Sep 3, 2019 — Below you can find some general information sheets and worksheets for dealing with anxiety. ... CCI acknowledges the Noongar people as the ... What-Me-Worry---01---Overview-of-Generalised-Anxiety.pdf So remember, you are not alone. The aim of this module is to provide you with some general information about anxiety and generalised anxiety disorder, to ... What? Me Worry!?! - Module 9 Accepting Uncertainty Working with Worry and Rumination: A. Metacognitive Group Treatment Programme for Repetitive Negative Thinking. Perth, Western Australia: Centre for Clinical ... Explaining the Vicious Cycle of Worry (Clinical Demonstration) Dicionário do Folclore Brasileiro Compre online Dicionário do Folclore Brasileiro, de Cascudo, Luís da Câmara na Amazon. Frete GRÁTIS em milhares de produtos com o Amazon Prime. Dicionário do Folclore Brasileiro O Dicionário do Folclore Brasileiro é um livro de Luís da Câmara Cascudo publicado originalmente em 1954, com sucessivas edições, desde então. Dicionário do folclore brasileiro (Portuguese Edition) Print length. 768 pages · Language. Portuguese · Publisher. Global Editora · Publication date. January 1, 2001 · ISBN-10. 8526006444 · ISBN-13. 978-8526006447 · See ... Dicionário do folclore brasileiro - Livro - Grupo Editorial ... Dicionário do folclore brasileiro · Ficha Técnica · Autor (a) : Luís da Câmara Cascudo. Sinopse. Obra sem similar na língua ... Dicionário do Folclore Brasileiro - Luis da Camara Cascudo Luis da Camara Cascudo - Dicionário do Folclore Brasileiro, Esta obra constitui o resultado do esforço de Luís da Câmara Cascudo em prol da cultura nacional ... Dicionário do Folclore Brasileiro ... Brasileiro. Dicionário do Folclore Brasileiro. Price: \$120.00. Image 1. Larger / More Photos. Add to Wish List.

ADD TO CART. Add to Wish List. Click the button ... Dicionário Do Folclore Brasileiro - 12ª Edição Obra sem similar na língua portuguesa, o "Dicionário do folclore brasileiro" reaparece conforme a última edição revista pelo autor. Dicionário de Câmara Cascudo by JIP FERNANDEZ · 2004 — Dicionário do Folclore Brasileiro. 11.ed. revista. São Paulo: Global, 2001 ... Brasileira de Folclore e para a representação brasileira do Clube Internacional de. Dicionário do Folclore Brasileiro Obra sem similar na língua portuguesa, o "Dicionário do folclore brasileiro" reaparece conforme a última edição revista pelo autor. Dicionário do Folclore Brasileiro | Resenha - YouTube