

The Problem

Have you ever had a question about rangeland management and searched the internet for an answer from an agency handbook only to find that many are long and complicated, not entirely related to your question, or search results are just too time consuming to sort through?

RangeDocs is the Solution

RangeDocs is a new and innovative online tool that allows rangeland professionals and producers to search using common rangeland terminology and pinpoint information at the page-level from key national and regional rangeland resources. The technology brings users exactly to the individual pages within a document. RangeDocs also allows users to browse curated reading lists (called collections) on critical rangeland issues as well as create personalized collections. These collections can be shared with others and saved to a mobile device to take offline into the field.

docs.rangelandsgateway.org

Better than Other Search Tools

RangeDocs provides page-level search results from key rangeland documents using a standardized glossary. This is made possible by key three critical aspects of the tool:

Glossary

Glossaries from the National Range and Pasture Handbook and Society for Range Management were synthesized to create a standardized, harmonious list of rangeland terms

Content Selection

NRCS, Extension staff, and producers identified critical rangeland management documents, allowing RangeDocs to include the most relevant and useful resources

Tagging

Rangeland experts have tagged key concepts at the paragraph-level within documents. RangeDocs searches the tags first, allowing users to quickly access the most relevant information on the exact page within the document.

Collections

Collections are groupings of individual pages from various rangeland literature focused on specific issues. All collections can be shared and stored on a smartphone for offline use.

Curated Collections

Browse reading lists of critical rangeland topics curated by rangeland professionals. Share or save to your mobile device for access offline.

My Collections

Private, sharable, highly customizable reading lists of rangeland literature organized for individual needs. Create reading lists for classes or workshops or quickly share information based on geography, topics, or audience

Dive into RangeDocs

RangeDocs provides page-level search results from key rangeland documents using a standardized glossary. More on the three critical aspects of the tool:

Terms in the Glossary

- The Glossary is a list of terms and definitions used in both the scientific study and practice of rangeland ecology and management in the United States.
- The project team compiled glossaries from the 1998 Society for Range Management Glossary, the National Pasture and Range Handbook, and other assorted glossaries.
- Rangeland researchers and agricultural librarians have compiled a list, which continues to be updated.

Documents in the Catalog

- Extension and NRCS rangeland professionals were surveyed to identify the critical, top-shelf rangeland management documents.
- RangeDocs includes documents meeting the following criteria: national in scope, current or seminal, peer-reviewed (or reviewed by the project team), meets accessibility standards, no underlying publishing issues, and format compatible with RangeDocs (.pdf).
- These documents were uploaded to RangeDocs.

Tagging Terms in Documents

- Rangelands experts familiar with the glossary reviewed the documents. Using a 3rd party software, called *Hypothes.is*, the project team highlighted paragraphs and tagged those paragraphs with key concepts from the glossary.
- RangeDocs searched the tags first, allowing users to quickly and easily access the most relevant information first. If a document has not been tagged, RangeDocs is able to search via keyword.
- Once a term has reached a critical level of occurrences in RangeDocs, the technology expert behind RangeDocs will be able to use machine learning to tag some terms.

Search RangeDocs

- On RangeDocs, use the *Find Technical Resources* bar to search keywords or phrase. The *Advanced Search* allows users to further refine your search.



- Helpful search operators:

Operator	Description	Example
AND	Both	grazing AND management
OR	Either	grazing OR management
NOT	Ignore	grazing NOT management
* (asterisk)	Wildcard	grazing manage*
" " (quotes)	Exact Phrase	"grazing management"

Understand the Search Results

Best Comes First

RangeDocs displays the most relevant individual pages first (based on tagged terms) and then displays pages based on keyword searching.

- TOTAL displays the number of individual pages matching the search criteria. SHOWING displays the number of pages across the number of most relevant documents.
- Results display information about the document (name, author, publication year, page count, description). Individual pages from the document with relevant tags are displayed in the relevant order. Gray bubbles show other tags on that page of the document. If no bubbles appear, the document has not been annotated by rangeland professionals and results are from keyword searching.
- Clicking on the page opens that specific page. Once an individual page is open, use the left and right arrows to navigate through the entire document. The entire document can also be viewed by clicking the *See Page in PDF* button on the top right of the page. The vertical three dot button allows users to Download the PDF or add the individual pages to a collection.

Search results for "grazing management":

- TOTAL: about 1,031 pages
- SHOWING: 150 pages across 12 documents
- National Range and Pasture Handbook**
- Larry D. Butler James B. Cropper Rhett H. Johnson [SHOW MORE](#)
- PAGES 584 PUBLISHED 2003
- The National Range and Pasture Handbook (NRPH) constitutes Natural Resources Conservation Service (NRCS) basic policy and procedures for assisting farmers, ranchers, groups, organizations, units of government,...
- PAGE 246**
- response of plants to grazing, and how rangelands in an area are impacted by different types of grazing ... management. ... Generally, the more extensive the grazing management, the slower the response of the forage ... The more intensive the grazing management, the faster the forage re-sponse.
- Tags: [Deferred-Rotation](#) [Conservation Plan](#) [Grazing Management Plan](#) [Grazing Management](#) [Intensive Grazing Management](#) [Extensive Grazing Management](#)

Dive into Curated Collections

Curated collections are groupings of individual pages from various rangeland literature focused on a specific critical issues created by rangeland professionals.

Share, download, or save to your mobile device for access offline.

Explore RREA Curated Collections

What is RREA?

The Renewable Resources Extension Act (RREA) is a USDA program designed to enhance the sustainability of the nation's forest and rangeland resources through the development of innovative programs that can be delivered at regional and national scales.

Landowner Engagement

Connecting landowners with natural resource professionals to make sustainable decisions about their land to address rangeland management concerns.

Ecosystem Services

Ecosystem services focuses other uses, such as recreation, non-game wildlife, biomass for energy, soil conservation, clean air and water, pollinators, and many others, in addition to traditional market goods.

Public Awareness

Increasing the public's knowledge and in-depth understanding regarding production, sustainability, and the links between ecosystem services and social well-being are limited.

Fish and Wildlife Habitat

Fish and wildlife are public resources found on rangelands. Fish and Wildlife Habitat focuses on the nature, type, and extent of fish and wildlife habitat.

Rural Communities

Enhancing local economic development through rangeland industries and the workforce needed to support those industries, as well as stronger relationship between healthy rangelands and the social and economic bases of rural communities.

Land-Ownership Changes

The creation and implementation of a succession plan to the next generation or next owners.

Water and Wetlands

Development and land conversion, water rights concerns, poor management, and climate variability are impacting water and wetland resources that are integral to healthy ecosystems and human existence.

Invasive Species

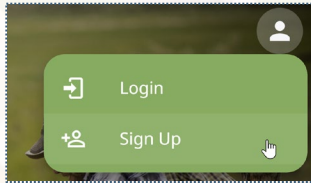
The introduction of undesirable species can destroy valuable cultivated agriculture, displace native species, and disrupt healthy, functioning ecosystems.

Wildfire Prevention and Management

Reducing the risk of destructive wildfire as well as minimizing the frequency and duration of fire with increased climate variability.

User Accounts & Login

- To create an account, select the *Sign Up* button from the person icon in the top right corner.



- Enter your email and password, as well as optional information including full name, title, and state. Select *Create Account*.

Account Benefits

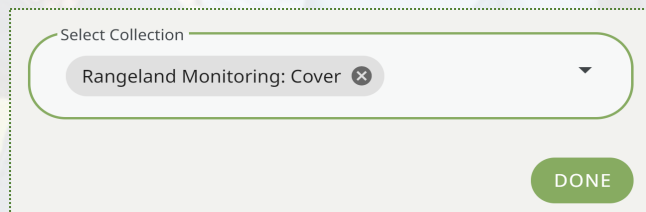
Creating an account allows users to create and share private collections

Account Not Required

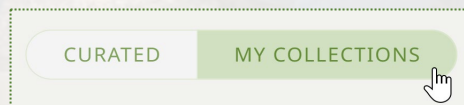
Users do not need an account to search RangeDocs, access Curated Collections, or take Curated Collections offline

Create & Share My Collections

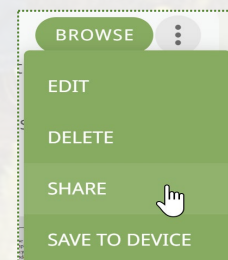
- Once logged in, browse RangeDocs and locate a page you would like to include in a personal collection. Click on the star (★) at the bottom left or the three vertical dot (⋮) on the top right of the page.
- A *Select Collection* bubble will appear. Select an existing collection or type the name of the new collection. Click done.



- Access your collections from the menu (☰) by selecting *Collections*. Personalized collections are stored in *My Collections*. You may create multiple personalized collections.



- To edit a personalized collection, select the collection of interest. Click the pencil icon (✎) on the bottom right of the page. You will be able to edit the name and description of the collection, add or edit individual pages from a document, create notes about the document, and change the order of documents within a collection. Select Update to save changes.
- To share, click on the three vertical dots (⋮) in the top right corner, select Share, and Copy Link.
- To take a collection offline (ideally on a mobile device), click on the three vertical dots in the top right corner, select Save to Device.



My Collections

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Examples of My Collections

Workshop

Extension professionals and non-profit organizations can create collections to support workshop curriculum. RangeDocs partnered with the Altar Valley Conservation Alliance to create Collections for a series of revegetation workshops.

Seeding in Arid Lands

Authored by: Altar Valley Conservation Alliance

The Rangeland Seeding workshop is part of the Altar Valley Rangeland Resilience Workshop Series, which is designed to support informed and effective.....

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Study Guide

Students and rangeland professionals can create collections to prepare for tests including Certifications with the Society for Range Management



FAQ

Extension and Agency staff are often asked the same questions multiple times. To help, RangeDocs collections can focus on specific topics asked by stakeholders. Delivering science-based information to the people that manage rangelands.



Classroom

When organizing course curriculum, professors can use RangeDocs to organize rangeland literature on a specific topic. Professor Jason Karl created a State and Transition Model collection with introductory information in the notes section for his undergraduate course.

State and Transition Models

Authored by: Jason Karl

State and transition models are conceptual models that seek to capture what is known about an ecological site and how it works. A well-constructed.....

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The Rangelands Partnership

Who We Are

Rangeland professionals, agricultural librarians, technology people from western and Great Plains land-grant universities.

What We Do

We collaborate and create quality tools and science-based information for the rangeland community to make a positive impact on the land we all love.

Visit Rangelands Gateway

Your source for reliable, science-based information on rangeland ecology and management.

Rangelands Gateway by The Rangelands Partnership

rangelandsgateway.org

Created By

RangeDocs was created through a collaboration between University of Idaho and University of Arizona with input from The Rangelands Partnership and Altar Valley Conservation Alliance. Outreach and additional support from University of Hawaii at Manoa and Colorado State University.



Contact Us

We seek feedback on the tool, documents in the catalog, terms in the glossary, suggestions for future collections, and other input to improve the function of RangeDocs.

Contact Us: <https://docs.rangelandsgateway.org/contact>

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