Montana Natural Heritage Program 2025 Partner's Meeting







https://mtnhp.mt.gov

Housekeeping Details

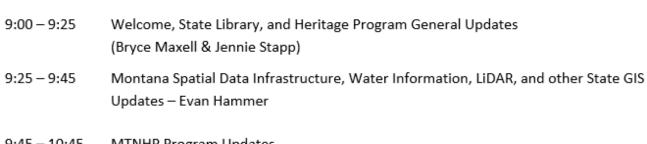
- 1. Please keep yourself muted and your video off when you are not talking
- 2. When speaking (e.g., questions, partner sharing) please turn your video on
- 3. <u>Partner updates</u> Please coordinate who is giving updates for your organization. Order will be approximately alphabetical with federal, state, local, then NGOs. Send Bryce a note in the chat if you need to go earlier, later, or need to pass on materials.
- 5. Partners are welcome to post links and documents for materials that might be of general interest to the group in the chat
- 6. Materials and presentations for individual speakers will be posted in the chat
- 7. For technical difficulties, please contact Braden Burkholder bburkholder@mt.gov
- 8. If you want to set up a focal training for staff in your organization or need information products specific to your organization to help with your workflows, send an email to bmaxell@mt.gov
- 9. We will send a recording of the main meeting as well as materials provided during the iNaturalist session to all invitees and attendees we have emails for (please provide your email in the chat if you received the meeting invite from someone else).







Agenda





- 9:45 10:45 MTNHP Program Updates
 - Information Services –Braden Burkholder (20 minutes)
 - Botany Program Andrea Pipp (20 minutes)
 - Zoology Program Dan Bachen (20 minutes)
- 10:45 11:00 Questions, Answers, and Polls for morning presentations
- 11:00 11:15 Land Cover and Spatial Analysis Lab updates Bryce Maxell and Jessica Mitchell
- 11:15 11:30 Wetland/Riparian Mapping & Rangeland Monitoring Kay Hajek, OCRMW
- 11:30 11:45 Questions, Answers, and Polls for land cover and wetland presentations
- 11:45 12:00 Break
- 12:00 1:00 Lunch and Data Submission/iNaturalist Training Bryce Maxell
- 1:00 2:30 Partner Sharing Updates from Partner Representatives (not recorded)
 - Staffing
 - Funding
 - Structural Updates
 - Initiatives
 - Information Needs
 - *Let Bryce know if you want to share powerpoint slides.
- 2:30 3:00 2025 State Wildlife Action Plan Kim Szcodronski
 - SGCN, SGIN, HGCN
 - Draft Plan
 - Other Resources

Celebrating 40 years of Service!



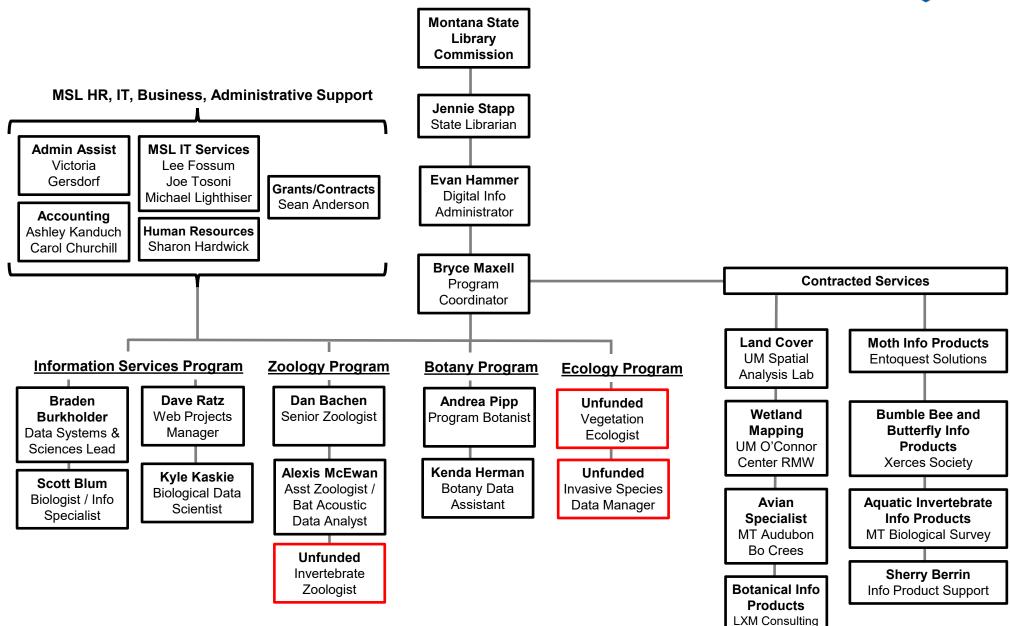
Important Events in Program History

- 1974 Nature Conservancy Begins Establishing Heritage Programs
- 1982 Montana Governor's Council notes need for quick centralized access to natural resource information
- 1983 Montana Legislature establishes NRIS & MTNHP (MCA 90-15) under Montana State Library (36th)
- 1985 First MTNHP staff are hired in October. Program is operated by The Nature Conservancy.
- 1988 First computer used by program to start making data digital
- 1991 Point observation database initiated
- 1994 First website released
- 1999 First release of Montana Field Guide
- 2003 Biotics software allows for digital exchange of taxonomy and conservation status ranks
- 2005 Program begins managing info on all native species (previously focused on Species of Concern)
- 2006 Program is operated by the University of Montana
- 2007 First version of Map Viewer. First predicted habitat suitability models. Wetland mapping begins.
- 2008 Program centralizes 1 million observation records for species in Montana
- 2017 First standardized Environmental Summary Report for all review processes
- 2018 Program begins managing info on non-native species. First Survey123 forms
- 2021 Program staff are hired directly by State Library
- 2022 First predicted biodiversity layers released
- 2025 New mobile friendly MTNHP website. 6 million point observations



2025 Montana Natural Heritage Program Organization Chart





FY26 Natural Heritage Program Funding Overview



State Library Funding

\$593,473

Partner Support for Core Info Management

Federal (\$222,002)

Bureau of Land Management (\$99,002)

US Forest Service (\$75,000)

Natural Resource Conservation Service (\$42,000)

Bonneville Power Administration (\$6,000)

State Agencies (\$55,025)

Dept. of Agriculture (\$35,000)

Dept. of Natural Resources (\$20,025)

Private/NGO (\$29,907)

NatureServe (\$19,907)

The Nature Conservancy (\$10,000)

+

\$306,934



Thank you to our partners who helped us greatly reduce administrative costs by moving numerous agreements to multiple year agreements that span state fiscal years and meet new MSL guidelines for minimal amounts of \$50,000 and \$30,000 for Federal and State agreements, respectively!

\$900,407*

*Additional funding from partners funds project work with specific deliverables.

New Website

https://mtnhp.mt.gov



Montana Natural Heritage Program



View species and habitat information

Montana Field Guide

Map Viewer

Dashboards and Tools

Request Data

For environmental reviews, permits, or planning

Submit Request

Data Use Terms and Conditions

Collect and Submit Data

Contribute data to MTNHP

iNaturalist / Citizen Science

MTNHP Forms

Report Invasive Species

Additional Resources

Explore program-specific information

Zoology / Animals

Botany / Plants and Fungi

Ecology / Wetlands and Land Cover

About Us

Learn about MTNHP or Contact Us

Program Info

Staff Contacts

Partners

A Species of Concern



Great-spurred Violet
Viola selkirkii

New Data Request System





Montana Natural Heritage Program

Explore Data

View species and habitat information

Montana Field Guide

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Data Requests

Consultants, private organizations, and the general public may request Environmental Summary Reports, geodataba processes. Natural resource managers in government agencies can self-serve this information from our Map Viewe

All requests are free of charge. Before submitting a request, note that we make a variety of information on species a

Questions about submitting a request? Email us: mtnhp@mt.gov

Request Submission

To submit a request, you will need a State of Montana account:

- . Click the Submit Request button below.
- . Choose Citizen Login, unless you work for a State Agency in Montana.
- . Log in to your account (or create an account).
- If prompted, choose "I am not representing a business" at the start of the request form.
- . Fill out the Data Request form as directed.

Need an account with the State of Montana/Okta? Use these instructions to create an Okta account or see the FAQ

Submit Request

View Examples of Data and Information Requests

Our examples page will give you an idea of the type and range of information we can provide.

- Example Environmental Summary Report
- How to Interpret and Use MTNHP Environmental Summary Reports

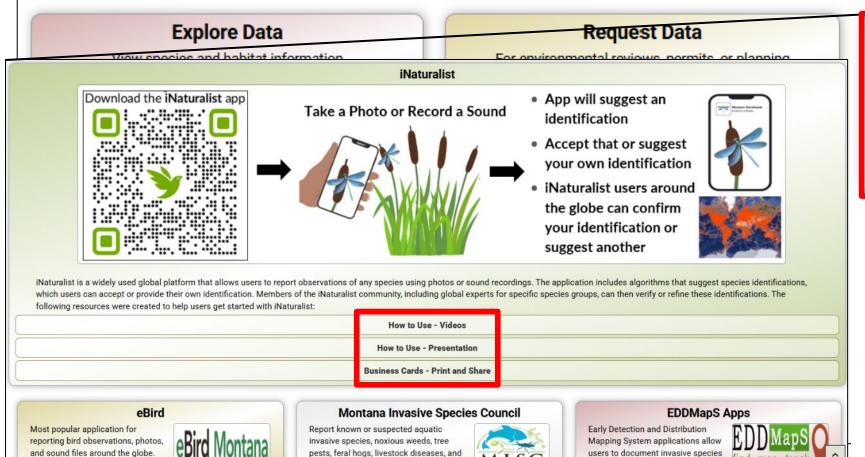
Data Use Terms and Conditions and Data Use Acknowledgments

New Citizen Science and Report Invasives Pages



https://mtnhp.mt.gov/submit/Citizen Science

Montana Natural Heritage Program



Collect and Submit Data

Contribute data to MTNHP

iNaturalist / Citizen Science

MTNHP Forms

Report Invasive Species

pests, feral hogs, livestock diseases, and other non-native species.

Find birding hotspots and keep life

lists of birds



users to document invasive species in the United States and Canada.



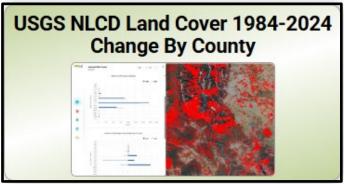
Explore Data View species and habitat information Montana Field Guide Map Viewer Dashboards and Tools

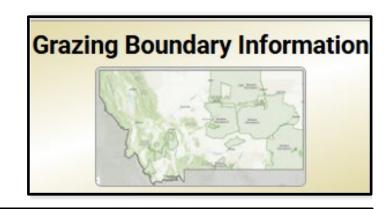
4 New Dashboard Tools

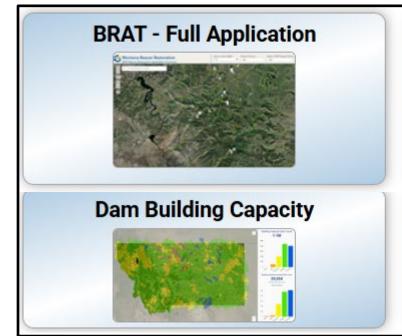


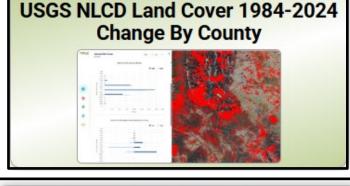
https://mtnhp.mt.gov/webapps/dashboards











Guides For Efficient Use

BRAT Quick Guide

Component Model Dashboard Guide

BRAT Tools Overview Video

Potential for Conflict



BRAT StoryMap Overview

Montana Beaver Restoration

Beaver Restoration Assessment Tool (BRAT) for Montana

Management Options



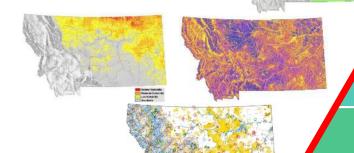


Species Data Products





Range



Models Species & Overall Diversity

> **Species Occurrences**

Observations



Taxonomy & Element Information

2025 Counts (% Change)

5,049 (+3%)

4,492 (+32%)

2,313 (+65%)

101,201 (+4%)

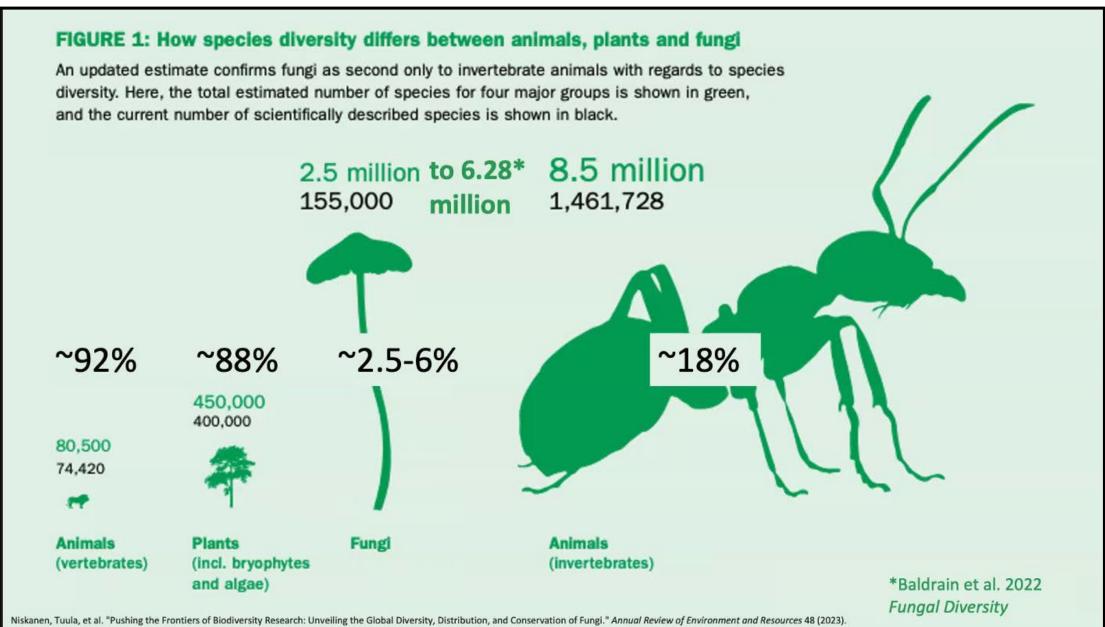
6,125,428 (+16%)

515,424 (+8%)

18,100 (+8%)

Unrepresented Biodiversity - Keeping it Real!





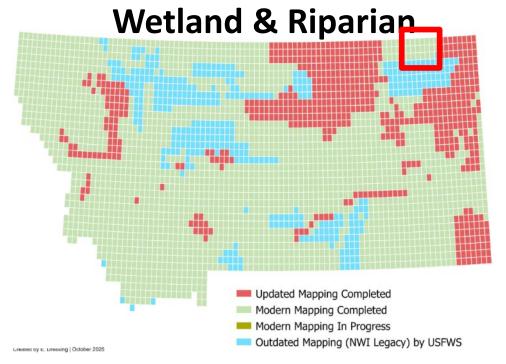
Habitat Data Products





- Now based on National Vegetation Classification Groups
- New Ecological Communities Field Guide <u>https://fieldguide.mt.gov/</u>
- Spatial Data Infrastructure Homepage https://msl.mt.gov/geoinfo/msdi/land_use_land_cover/
 - Downloads and Web Service
 - Ecological Site Reviewer
 - Land Cover Validation Tool Kit



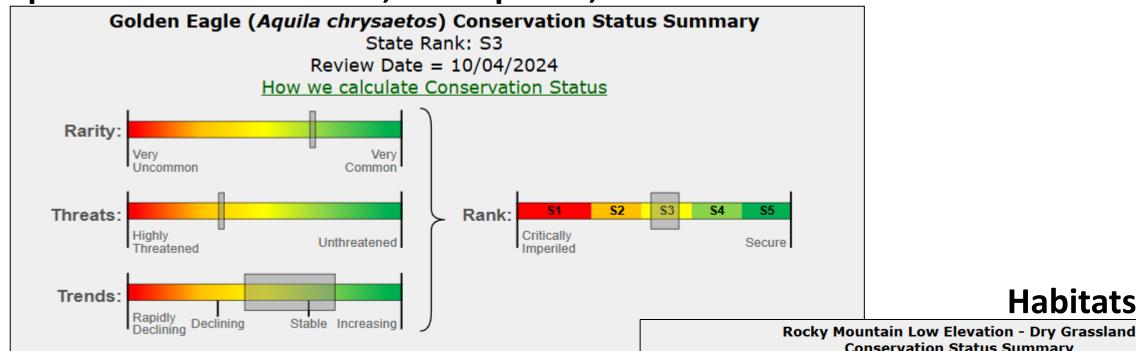


- 3.4 million + acres mapped
- 87% of state is mapped
- 15 quads mapped in northeast Montana in 2025
- 370 quads still to be mapped at ~\$3,000/quad



https://storymaps.arcgis.com/stories/77e6bf223649419c95c596cbc2da9529

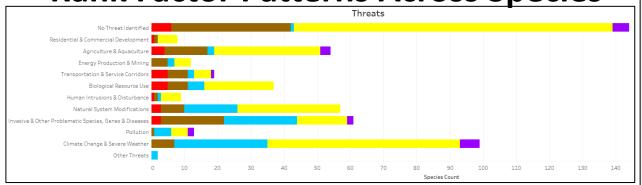
New Conservation Status Rank Reports and Summaries Species – all vertebrates, some plants, some invertebrates

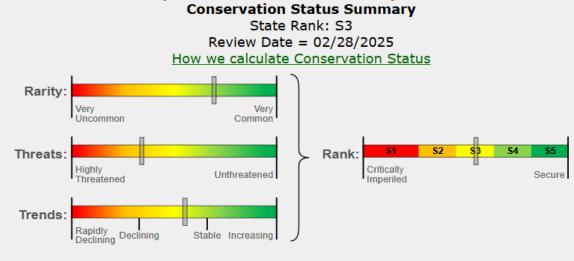


See the complete Conservation Status Report

Habitats

Rank Factor Patterns Across Species





See the complete Conservation Status Report

Environmental Summary Report

Standard report for all NEPA, MEPA, and permitting processes

Video on How to Interpret and Use Environmental Summary Reports

http://tinyurl.com/bdz5ayk8

Table of Contents

- Introduction to Environmental Summary Report
- Native Species
- Structured Surveys
- Land Cover
- Wetland and Riparian
- Land Management
- Biological Reports
- Invasive and Pest Species
- Appendix
 - Introduction to Montana Natural Heritage Program

*Companion Excel

**Field Guides

- Data Use Terms and Conditions
- Suggested Contacts for Natural Resource Agencies
- Introduction to Native Species
- Introduction to Land Cover
- Introduction to Wetland and Riparian
- Introduction to Land Management
- Introduction to Invasive and Pest Species
- Additional Information Resources



NATURAL HERITAGE PROGRAM

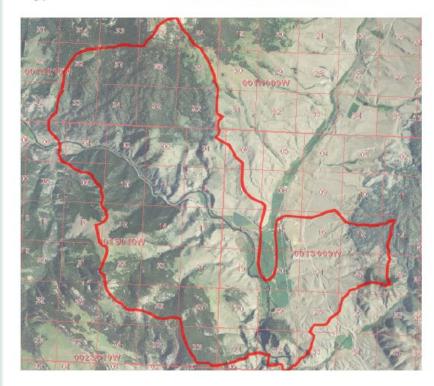
mtnhp.org

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1201 11th Ave - P.O. Box 201800 - Helena, MT 59620-1800 - fax 406-444-0266 - phone 406-444-3989



Latitude Longitude 45.69648 -112.68861 45.82961 -112.86051 Summarized by: Charcoal Creek-Big Hole River (100200041104 - 6th Code Watershed)



Suggested Citation

Montana Natural Heritage Program. Environmental Summary Report. for Latitude 45.69648 to 45.82961 and Longitude -112.68861 to -112.86051. Retrieved on 4/1/2024

The Montana Natural Heritage Program is part of the Montana State Library's Natural Resource Information System. Since 1985, it has seried as a neutral and non-regulatory provider of easily accessible information on Montana's species and biological communities to inform all stakeholders in environmental review, permitting, and planning processes. The program is part of the NatureServe network that is composed of over 60 member programs across North America that work to provide current and comprehensive distribution and status information on species and biological communities.





Help Us Improve Environmental Summary Reports

Suggested Contacts – Pages 23-25 Additional Information Resources – Page 34

Request Data

For environmental reviews, permits, or planning

Submit Request

Data Use Terms and Conditions

Anything else we should link to?

https://mtnhp.mt.gov/requests

Montana Natural Heritage Program

Data Requests

Consultants, private organizations, and the general public may request Environmental Summary Reports, geodatabases of species information, and other data products for environmental review, permitting, and planning processes. Natural resource managers in government agencies can self-serve this information from our Map Viewer web application by creating an account and receiving elevated permissions.

All requests are free of charge. Before submitting a request, note that we make a variety of information on species and habitats readily available in our web applications and other online resources.

Questions about submitting a request? Email us: mtnhp@mt.gov

Request Submission

To submit a request, you will need a State of Montana account:

- · Click the Submit Request button below.
- Choose Citizen Login, unless you work for a State Agency in Montana
- . Log in to your account (or create an account).
- If prompted, choose "I am not representing a business" at the start of the request form.
- Fill out the Data Request form as directed.

Need an account with the State of Montana/Okta? Use these instructions to create an Okta account or see the FAQs.

Submit Request

View Examples of Data and Information Requests

Environmental Summary Reports are the most common type of information we provide. These reports include a PD (example) with summaries of species and habitat information (including a list of Species of Concern), a spreadsheet with those data in tabular form, Species of Concern Occurrence reports for select species if present, are leavestored for the species highlighted in the report.

• How to Interpret and Use MTNHP Environmental Summary Reports

Our examples page lists other types of requests and the data or information we can supply to fulfill them.

Data Use Terms and Conditions and Data Use Acknowledgments

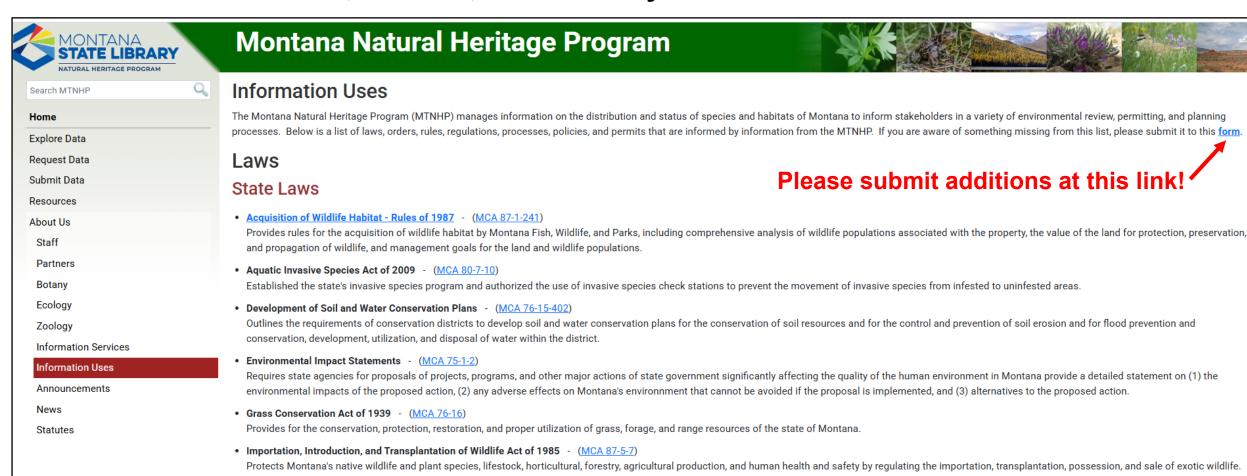
How is MTNHP Information Used?





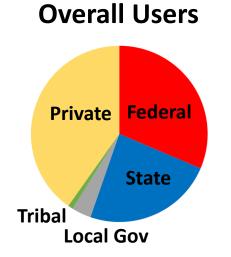
State, Federal, & Local Laws, Executive Orders, Rules & Regulations, Processes & Policies, Permits, and Industry Certifications & Standards

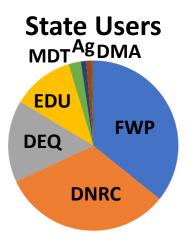
Provides funding for projects to restore, rehabilitate, improve, or manage land as wildlife habitat through noxious weed management and maintain native plants after project completion.

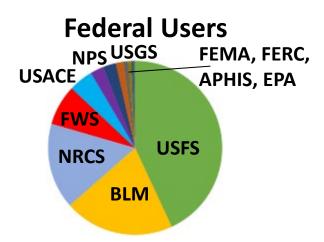


Kelly Flynn Wildlife Habitat Improvement Act of 2017 - (MCA 87-5-8)

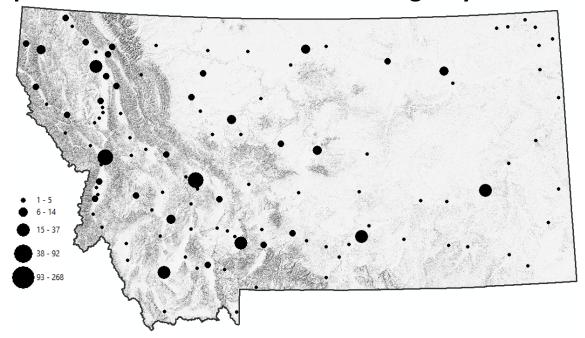
Map Viewer Use







Spatial Distribution and Number of Agency Accounts



- 3,008 total accounts (+13%)
- 1,776 agency accounts (+8%)
- 2,512 Environmental
 Summary Report downloads
 in FY25





Agency No. of Accounts USFS 378	
USFS 378	
FWP 225	
DNRC 216	
BLM 173	
NRCS 147	
DEQ 104	
County 80	
USFWS 63	
University 60	
USACE 43	
MSL 39	
Tribal 22	
NPS 21	
USGS 20	
City 18	
FEMA 16	
MDT 16	
Dept of Ag 9	
FHA 8	
FERC/WAPA/BPA 6	
Military Affairs 6	
APHIS 5	
BIA 4	
EPA 3	
DOC 2	

Montana Field Guide Use

https://fieldguide.mt.gov

MONTANA STATE LIBRARY NATURAL HERITAGE PROGRAM

FY25 Use Statistics

- 471,000 users
- 660,000 sessions
- 1.5 million page views
- 10,850 hours of use
- 7,115 PDF Downloads

