

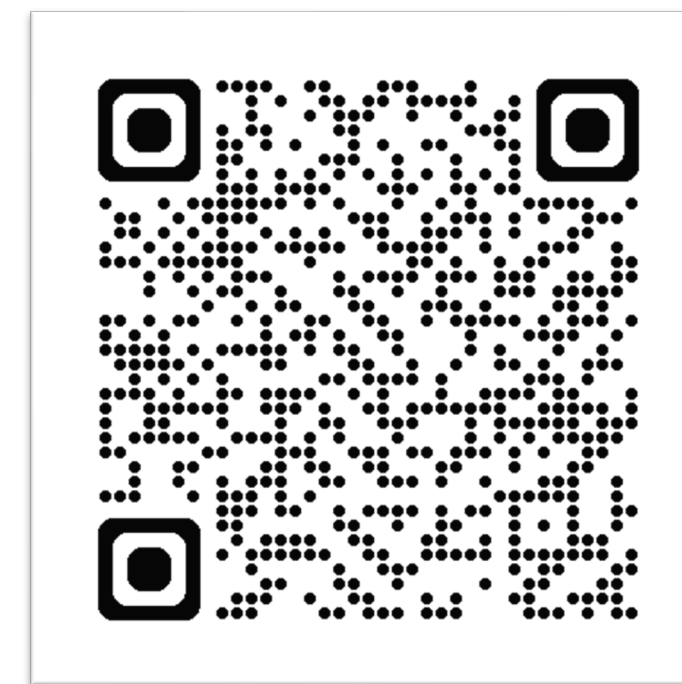
Welcome! As you settle in...

In-person Attendees

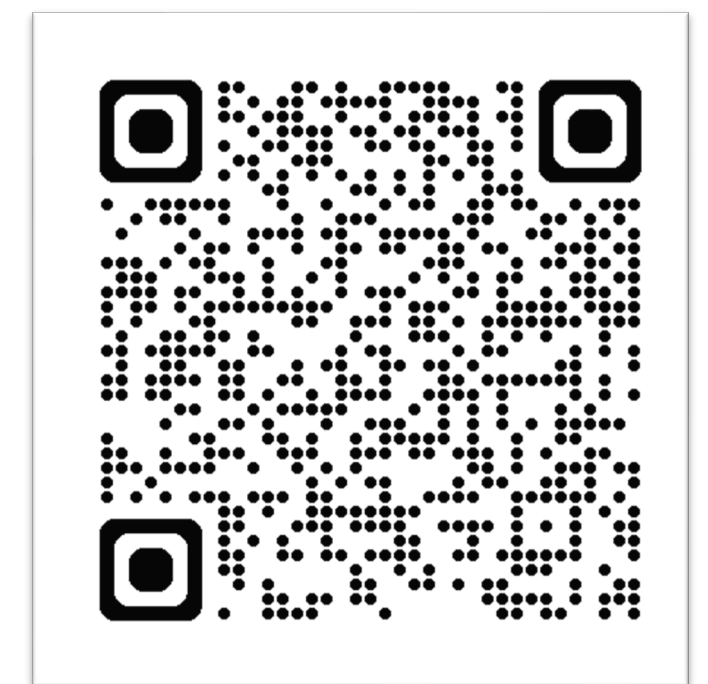
- Complete sign-in sheet
- Connect to Wi-Fi -- CSU Guest network
- Download app: Apple iNat Next; Android iNat
- Login to your account (if you already have one) at www.inaturalist.org
- Get to know your fellow community scientists in the room!

Zoom Attendees

- Complete the prompt in the chat
- Download app: Apple iNat Next; Android iNat
- Login to your account (if you already have one) at www.inaturalist.org



iNaturalist



Statewide Survey





WARNER COLLEGE OF
NATURAL RESOURCES
COLORADO STATE UNIVERSITY

Welcome!



Colorado Natural Heritage Program

iNaturalist Training

Thursday, March 27, 2025

Today's Agenda

- Welcome & Logistics
- Introductions: CNHP Staff & Partner Organizations
- Overview of CNHP and the Statewide Natural Heritage Survey (SNHS)
- iNaturalist 101
- Wrap up, Questions & What's Next
- Outside with iNat app!



Introductions

CNHP Staff & Volunteers

Tristan Kubik, Entomologist

Georgia Doyle, Botanist

Jessica Smith, Botanist

Curtis Drake, Botanist

Clark Hollenberg, Wetland Ecologist

Tyler Lovato, Herpetologist

Michael Menefee, Environmental Review Coordinator

Amy Hahn, CNHP Volunteer

Jess Cheadle, Botanist/Ecologist

Julie Kallenberger, Communications & Outreach Specialist

Partner Organizations

Great Old Broads for Wilderness (Sally Sharp, Anne Dal Vera)

Colorado Native Plant Society (Mele Avery)

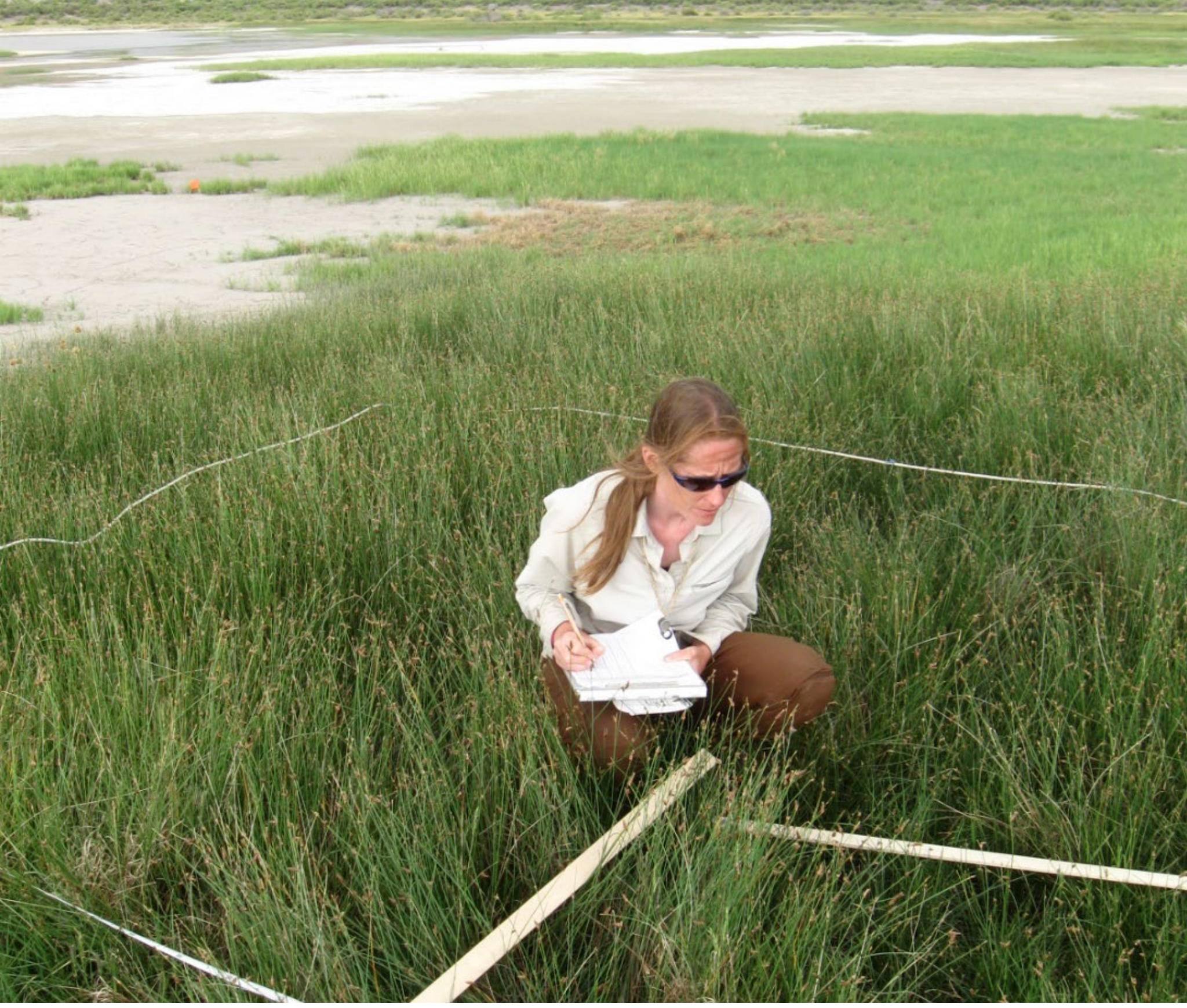
Adopt a Rare Plant (Jessica Smith)

CSU Extension – Native Plant Masters (Michele Ritchie)

CSU Extension – Native Bee Watch (Lisa Mason)

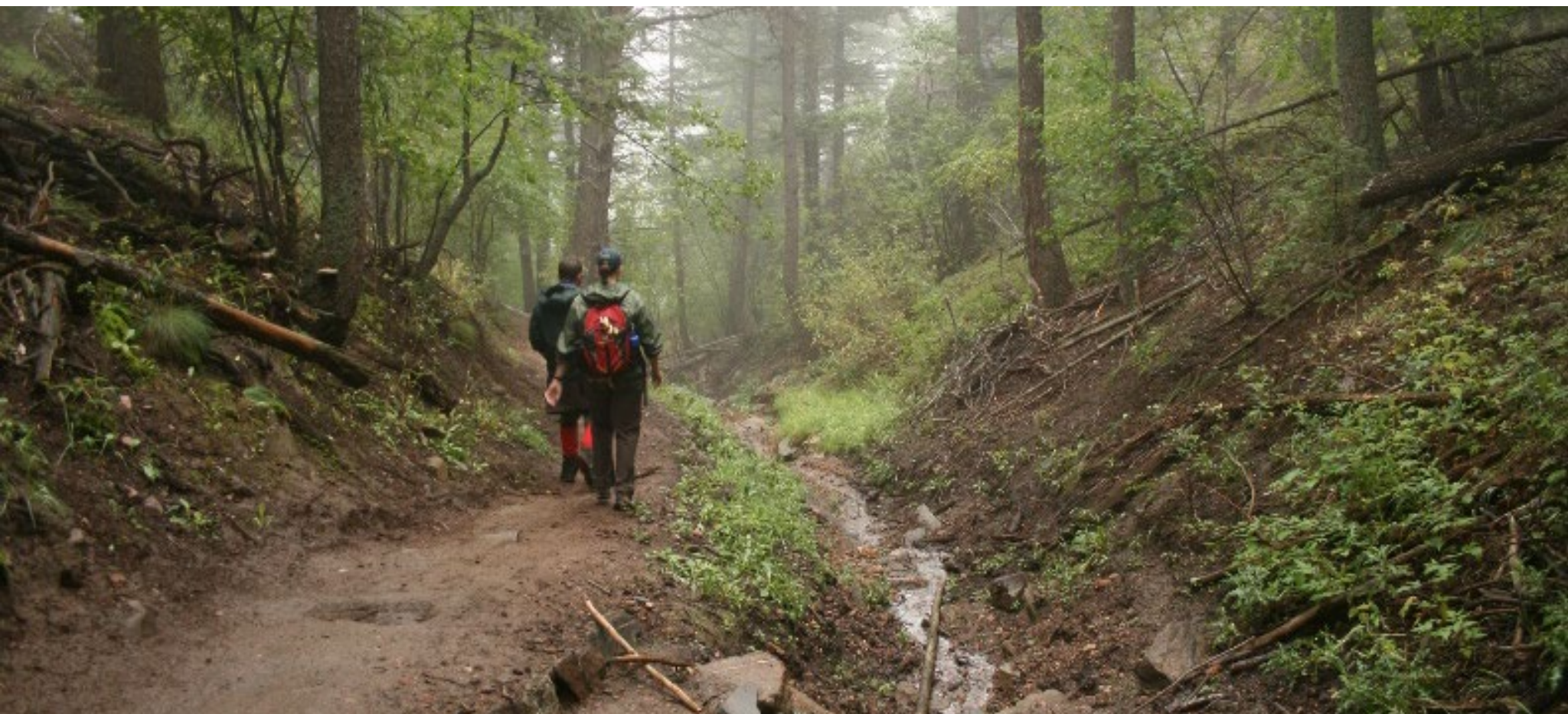
CSU Extension (Robin Young)





Colorado Natural Heritage Program Overview

- Colorado's trusted source of biodiversity and natural heritage data since 1979
- Collaborators who support decisions by landowners, agencies, practitioners, and industry by tracking locations and status of rare plants, animals, and habitats
- Soft funded staff of nearly 50 experts
- Part of Colorado State University and the NatureServe network



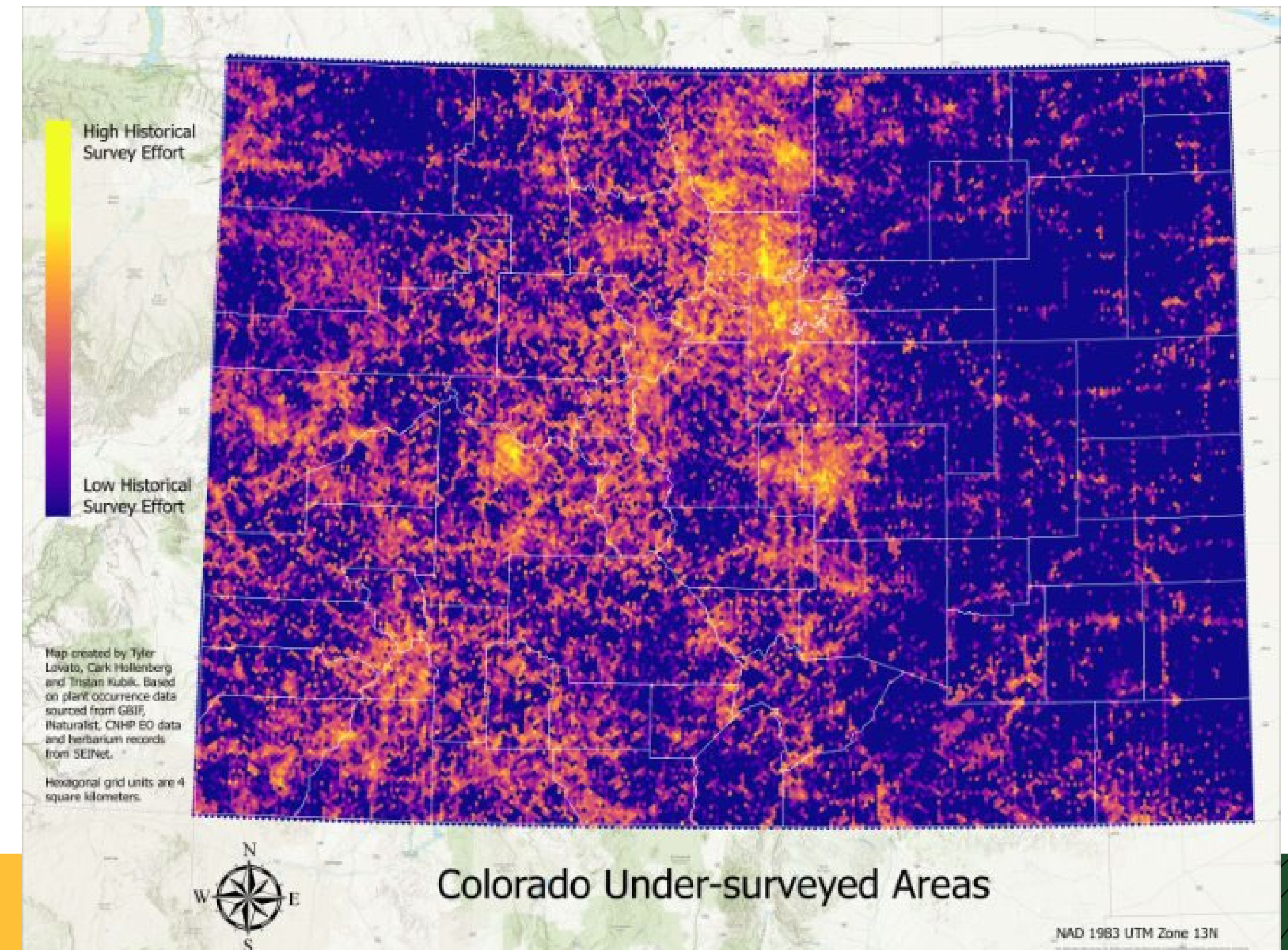
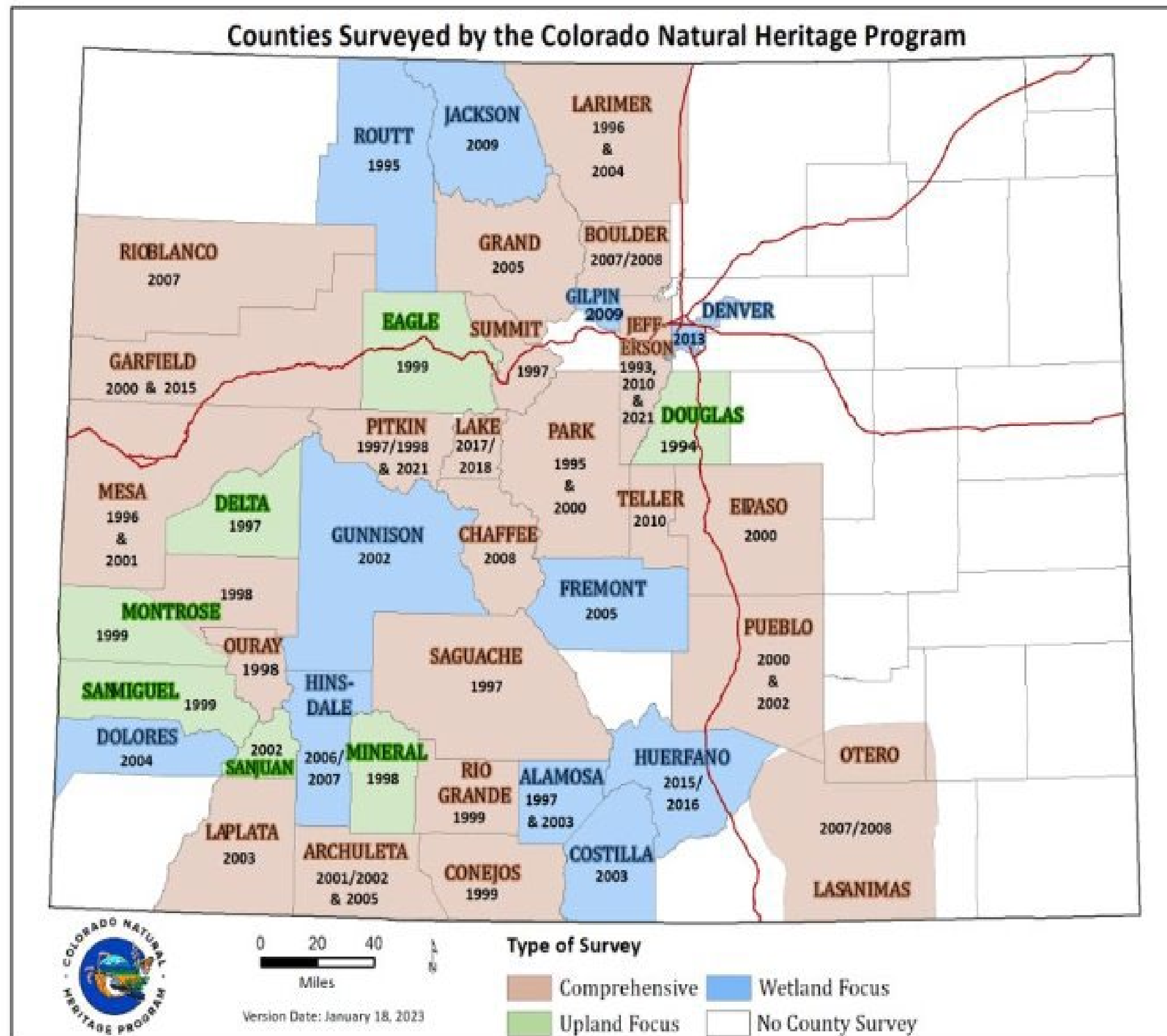
What is the Statewide Natural Heritage Survey?

- An expansive project that will level-up the natural heritage data of Colorado
- Surveys across the state to map our rare species and habitats so that we can plan on their behalf
- Engaging Colorado's community scientists to greatly expand our reach
- Connecting with our Tribes to empower them in the collection of natural heritage data
- Collaborating with the Regional Partnerships, land trusts, and other conservation partners to connect with communities and landowners
- Sharing data via CODEX and building a dashboard where all Coloradans can access information



Why the SNHS?

- Climate change and habitat loss are two of the prominent driving factors impacting biodiversity
- Colorado needs a balanced baseline map of our natural heritage wealth as a guide
- We need to develop recreation that does not diminish the reason that people love Colorado in the first place



Why the SNHS?

- Need for data equity within each Regional Partnership to support their planning for robust and sustainable economic growth through recreation and conservation
- The time for this is now, as we implement the Colorado Outdoors Strategy, setting a baseline against which to measure our progress

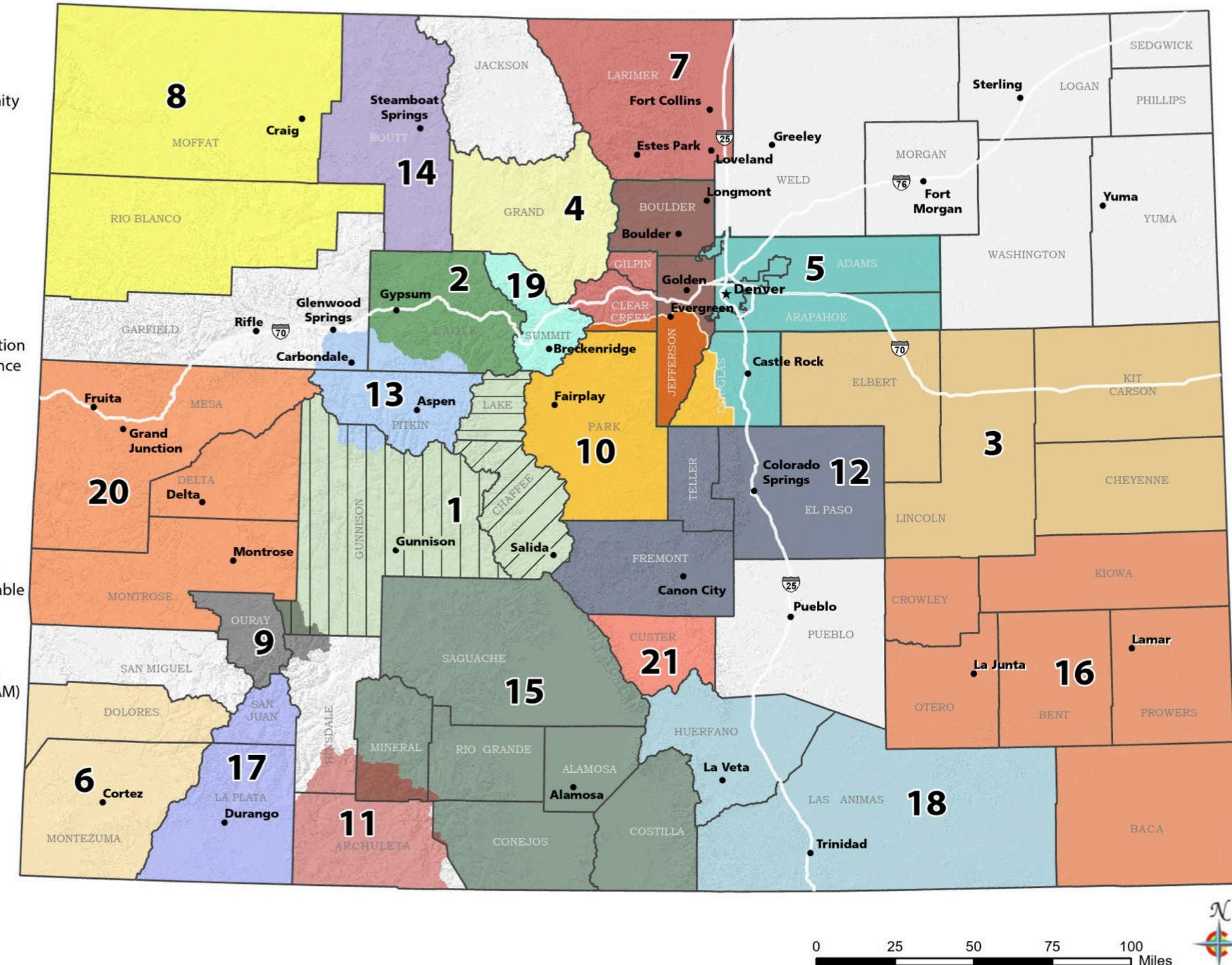


Colorado Outdoor Regional Partnerships January 2025



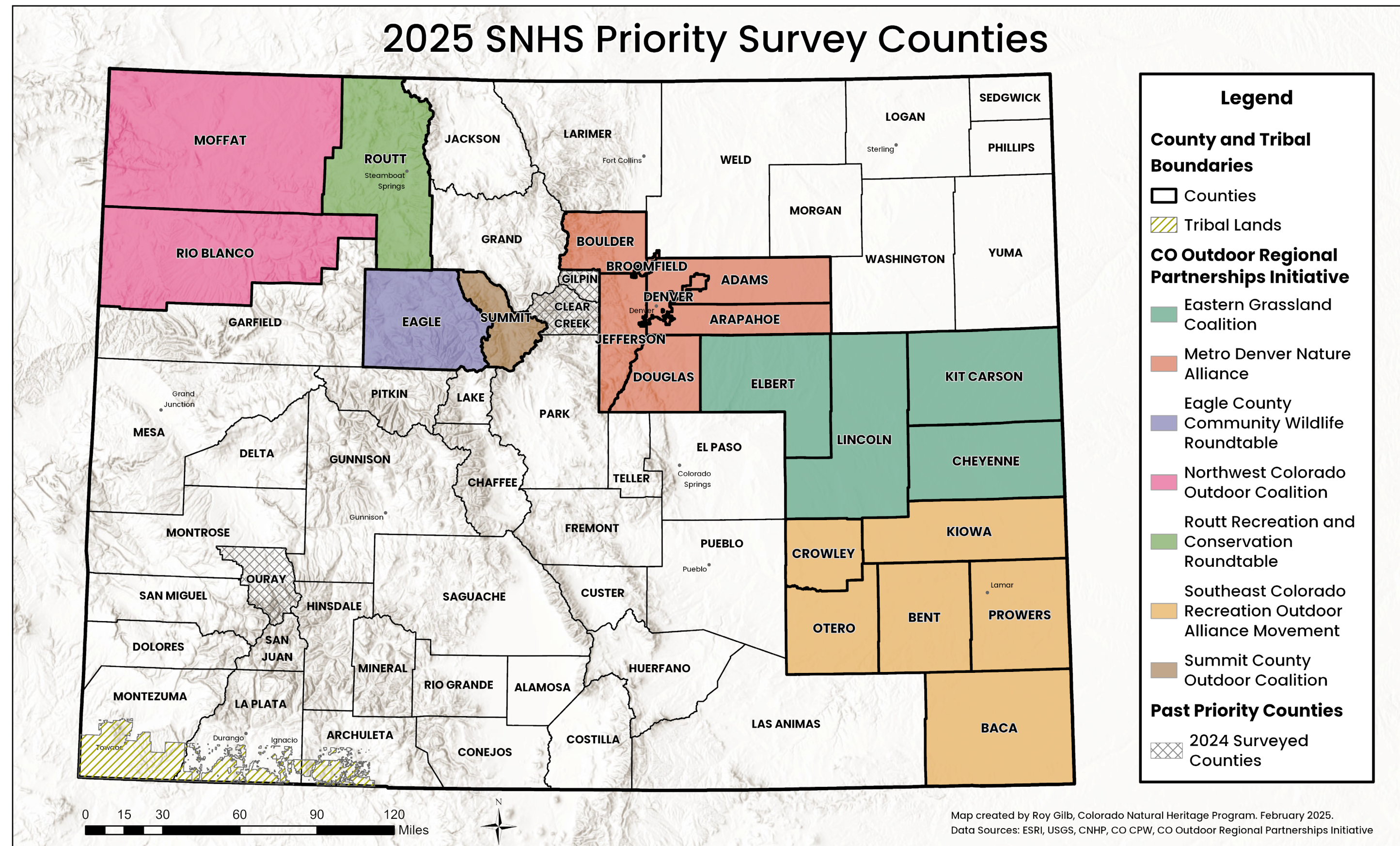
www.copartnership.org

1. Central Colorado Recreation Partnership
 - Envision Chaffee
 - Gunnison STOR
 - Lake County
 - Outdoor Alliance
2. Eagle County Community Wildlife Roundtable
3. Eastern Grassland Coalition
4. Grand PLACES 2050
5. Metro Denver Nature Alliance (Metro DNA)
6. Montelores
7. NoCo Places
8. Northwest Colorado Outdoor Coalition (NCOC)
9. Ouray Regional Recreation and Conservation Alliance (ORRCA)
10. Outside 285
11. Pagosa Area Recreation Coalition
12. Pikes Peak Outdoor Recreation Alliance (PPORA)
13. Roaring Fork Outdoor Coalition
14. Routt Recreation and Conservation Roundtable
15. San Luis Valley Great Outdoors
16. Southeast Colorado Rec. Outdoor Alliance Movement (SECO ROAM)
17. Southwest Colorado Conservation & Outdoor Recreation Roundtable
18. Spanish Peaks Outdoor Coalition
19. Summit County Outdoor Coalition
20. West Slope Outdoors Alliance
21. Wet Mountain Valley Outdoors



In 2025...

- Focus on 21 counties within 7 RPs
- Onboard seasonal staff
- Engage community scientists
- Stakeholder outreach: connecting landowners through partners (RPs, LTs, KIC, CPW, CDs, Extension, NRCS, BCR)
- 5-year Tribal Engagement Work Plan
- Leverage projects across the state
 - CPW Prairie Dog Mapping
 - City of Louisville BioBlitz
 - Surveys: Comanche National Grassland, Amache National Historic Site, Adams County, EPA Wetlands, and others
- Launch the SNHS dashboard
- **Join us in the field!**



Thanks to our Partners & Funders



Contribute Data

iNaturalist

iNaturalist Next – iPhone users
iNaturalist – Android



[iNaturalist.org](https://www.inaturalist.org)





A Special Message from iNaturalist

Hello! This Monday we are asking you to support iNaturalist with a donation. iNaturalist is free to use for everyone and as a non-profit, we sometimes invite our community to donate. We know not everyone is able to give financially, but if you can, **you will help connect people all over the world to nature through iNaturalist.** If you have already donated or if you contribute to iNaturalist with your valuable time and expertise, thank you! iNaturalist unites all of us who love nature and the outdoors: casual users, dedicated naturalists, and the donors who keep us thriving. Together, we're a force for nature. iNaturalist's mission is to connect people to nature and advance science and conservation, yet many people donate simply because iNaturalist is fun and gets you outside. **If you have a minute to spare this Monday, please donate.** The average gift is about \$10 USD but any amount helps. Thank you!

Give \$5 (USD)



222,870,378

Observations to Date

SIGN UP ➔

EXPLORE ➔



Ashutosh Shinde ~ Mantid from Thane, India



Chilean Anemone Porcelain Crab observed by
Marcelo Andrés Rojas González
in Coquimbo, Chile

Marcelo Ro

naturalists in the world!

 Email

 Username

 Password

 Password confirmation

☐ I'm not a robot



reCAPTCHA
Privacy - Terms

- ☒ Yes, license my photos, sounds, and observations so scientists can use my data (recommended). [Learn More](#)
- ☐ I consent to allow iNaturalist to store and process limited kinds of personal information about me in order to manage my account [Learn More](#)
- ☐ I consent to allow my personal information to be transferred to the United States of America [Learn More](#)
- ☐ I agree to the [Terms of Use](#) and [Privacy Policy](#), and I have reviewed the [Community Guidelines](#).

Create an Account

[Already have an account? Log in.](#)



cnhp_ento_team

Home

Profile

Observations

Edit Observations

Calendar

People

Projects

Journal Posts

Forum

Your Recent Projects

Colorado Natural Heritage P...



Edit account settings & profile

Tristan Darwin Kubik

Joined: Oct 15, 2024 Last Active: Mar 25, 2025 iNaturalist

Primary account for research entomologist Tristan Darwin Kubik and the rest of the Natural Heritage Program at Colorado State University. Our specialty is rare and impaquatic, nivean, and pollinator insect communities.

Following 24 People



fluffyspoods

2051



eleodestherm

2340



stephan

3755



stephenluk



oiledolives



daniel_s

Search:

“Colorado Natural Heritage
Program”
in the search bar

Projects · iNaturalist

inaturalist.org/projects

iNaturalist Search

Explore Your Observations Community

Would you prefer to view

New & Noteworthy

Crabs of the World

colorado natural heritage program Go

« Projects

Search Projects

colorado natural heritage

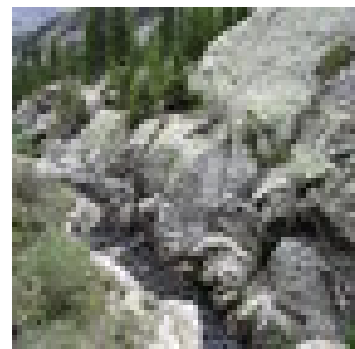
Search

1 - 5 of 5



Colorado Natural Heritage Program

Help the Colorado Natural Heritage Program document Colorado's remarkable plant and animal diversity!



Flora of Colorado

The purpose of this project is to document the flora of Colorado and provide an educational tool for novices and experts alike to explore the diversity and beauty of Colorado's plant species. This project is administered by the Colorado Natural Heritage Program at Colorado State University.

This step is crucial to helping us gather information on vulnerable taxa and can only be accessed via computer, not on a phone!

Confirm membership · iNaturalist x +

→ ↻ inaturalist.org/projects/colorado-natural-heritage-program/join

iNaturalist Search x Explore Your Observations Community ▾ Identify More ▾

« Colorado Natural Heritage Program

Join Colorado Natural Heritage Program?

About this Project

Help the Colorado Natural Heritage Program document Colorado's remarkable plant and animal diversity!

Project Curators

 [a_schuhmann](#)
0 observations

 [georgiadoylecnhp](#)
12 observations

 [pamsmithcnhp](#)
0 observations

Rules for Adding Observations

- must be observed in Colorado, US
- must have quality grades: research

Other

☒ Receive updates from this project
Receive updates about this project on your dashboard and in the daily updates email.

Trust this project with hidden coordinates?
Granting access to your hidden coordinates will allow the managers of this project to see the true, unobscured location of your observations in this project. This is extremely important in situations where scientists or resource managers need access to exact coordinates for analysis and decision-making.

☐ No

☒ Yes, for any of my observations
This includes observations where you have set the geoprivacy to "obscured" or "private," e.g. observations from your backyard or spots you don't want other people to know about.

☐ Yes, but only for my observations of threatened taxa, not when I've set the geoprivacy
Many projects just need access to coordinates that are obscured because the observation depicts a threatened taxon.

Please Be Careful!
Coordinate access is important for scientists, but can also be abused by poachers. Make sure you trust all the project curators before trusting this project.

Yes, I want to joinCancel



A Special Message from iNaturalist

Hello! This Monday we're asking you to support iNaturalist with a donation. iNaturalist is free to use for everyone and as a non-profit, we sometimes invite our community to donate. Not everyone is able to give financially, but if you can, **you'll help connect people to nature through iNaturalist**. If you've already donated or if you contribute to iNaturalist with your valuable time and expertise, we sincerely thank you! iNaturalist unites all of us who love nature and the outdoors: casual users, dedicated naturalists, and the donors who keep us thriving. Together, we're a force for nature. iNaturalist's mission is to connect people to nature and advance science and conservation, yet many people donate simply because iNaturalist is fun and gets you outside. **If you have a minute to spare this Monday, please donate.** The average gift is about \$10 USD but any amount helps. Thank you!

Give \$5 (USD)



cnhp_ento_team

- Home
- Profile
- Observations
- Edit Observations
- Calendar
- IDs
- Lists
- Journal
- Favorites
- Projects

- All Updates
- Your Content
- Following
- Real Time Discussions



daniel_schelesky added an observation

🕒 10:58 AM ⚙



Clastopterid Spittlebugs (Family Clastopteridae)

daniel_schelesky | 📅 December 30, 2024 | 🛡 1

📍 São Carlos, SP, Brasil (Google, OSM)

[View Observation](#)

Add Observations

Stock is a savvy way to donate

Your money can go further in 2024 if you give from your stocks and bonds instead of your bank account.



[Learn about how & why to donate stocks »](#)

+ Add ▾

✕ Remove

✂ Combine

📄 Duplicate

☐ Select All

Drag & drop some photos or sounds

or

Choose files 

More Import Options ▾

Submit 1 observation

 Details

☐ Captive / Cultivated

⌚ Offset Time



Extra credit! Include habitat blurb and estimate of population size in notes.

Submit 1 observation

 Details

 Date

Location

Notes

Location is public

☐ Captive / Cultivated

 Tags

 Projects

Fields

⌚ Offset Time



Q Species name

 Date

Location

Notes

Extra extra credit! Use taxonomic keys to help photograph key characters. ID may be impossible otherwise!

Helianthella quinquenervis (Fivenerve Helianthella) Needs ID

Follow



grandmothernature57 128 observations

Observed: Jul 1, 2020 · 9:59 AM MDT Submitted: Jul 1, 2020 · 5:09 PM MDT

Map Satellite

Conifer, CO 80433, USA Details

Be the first to fave this observation!

Activity

grandmothernature57 suggested an ID Leading 5d

Community Taxon

Compare What's this?

The Community ID requires at least two identifications.

Helianthella quinquenervis (Fivenerve Helianthella)

Research Grade

Follow v



grandmotherature57

128 observations

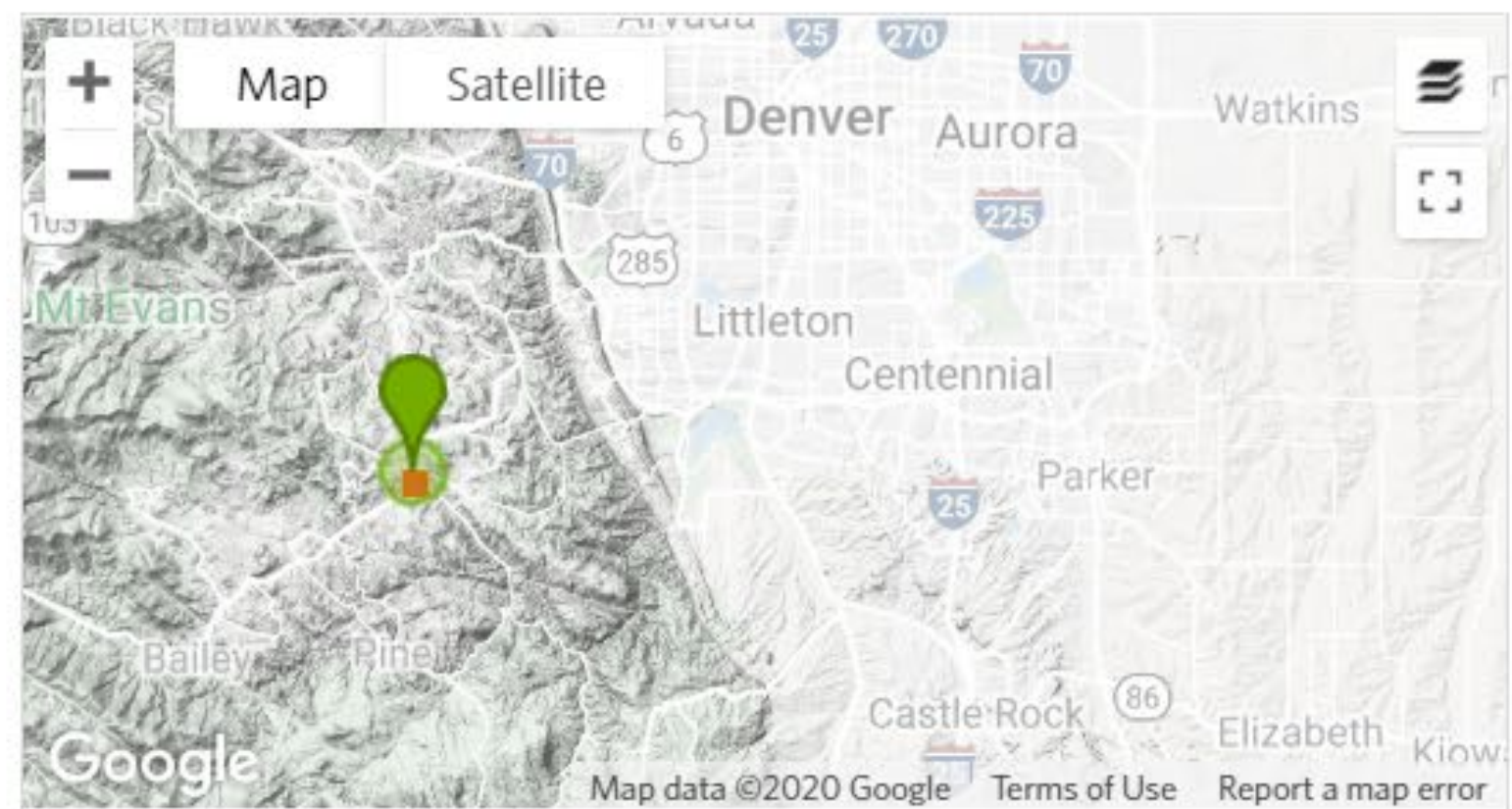


Observed:

Jul 1, 2020 · 9:59 AM MDT

Submitted:

Jul 1, 2020 · 5:09 PM MDT



Conifer, CO 80433, USA

Details v

☆ Be the first to fave this observation!

Activity



grandmotherature57 suggested an ID

Improving 5d



Community Taxon

What's this?

Helianthella quinquenervis (Fivenerve Helianthella)

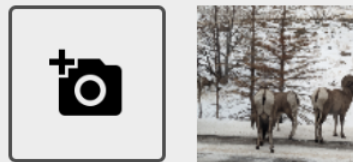


Cultivated Plants

Observations of cultivated plants are common from new users.



← Edit Observation ⋮



 What did you see?
View Suggestions

 Name what you saw if you can, even if that's just "insect" or "bird," or just leave this blank. Others may help you identify it!

GOT IT!

 Notes

 Dec 26, 2021 10:44 AM MST

 Bellvue, CO 80512, USA
Lat: 40.665875 Lon: -105.809613...

 Location Visibility: Open

 It is captive or cultivated ☐

 Add to project(s)



inaturalist.org/observations/upload

iNaturalist

cnhp_ento_team

+

Add

×

Remove

↗

Combine

📄

Duplicate

☑

Select All

Submit 1 observation

Editing 1 observation:

📝

Details

🔍

Species name

📅

Date

📍

Location

Notes

Location is public

☐ Captive / Cultivated

🏷️Tags

📁Projects

📋Fields

🕒Offset Time



🔍

Species name

📅

Date

📍

Location

Notes

If captive/cultivated,
click this box.

Hemerocallis fulva

Orange Day-Lily

Needs ID



Info

Suggestions

Annotations

Data Quality



buffalofer • 121
Jun 8, 2021 • 9:58 AM MDT
Estes Ct, Arvada, CO, US
Acc (m): 5
United States
View • Follow



buffalofer suggested an ID

Leading

1h



Hemerocallis fulva
Orange Day-Lily

Agree

☒ Add to Favorites ☐ Captive / Cultivated ☐ Reviewed

Add ID

Comment

Obscuring Location

You may want to obscure the exact location if you are observing a rare plant, or on private land.



1:38

←

Edit Observation

⋮

What did you see?
View Suggestions

Name what you saw if you can, even if that's just "insect" or "bird," or just leave this blank. Others may help you identify it!

GOT IT!

Notes

Dec 26, 2021

10:44 AM MST

Bellvue, CO 80512, USA
Lat: 40.665875 Lon: -105.809613...

Location Visibility: Open

It is captive or cultivated

☐

Add to project(s)

1:38

←

Edit Observation

⋮

What did you see?
View Suggestions

Name what you saw if you can, even if that's just "insect" or "bird," or just leave this blank. Others may help you identify it!

GOT IT!

Notes

Dec 26, 2021

10:44 AM MST

Bellvue, CO 80512, USA
Lat: 40.665875 Lon: -105.809613...

Location Visibility: Open

It is captive or cultivated

☐

Add to project(s)

Location Visibility

Open

Obscured

Private

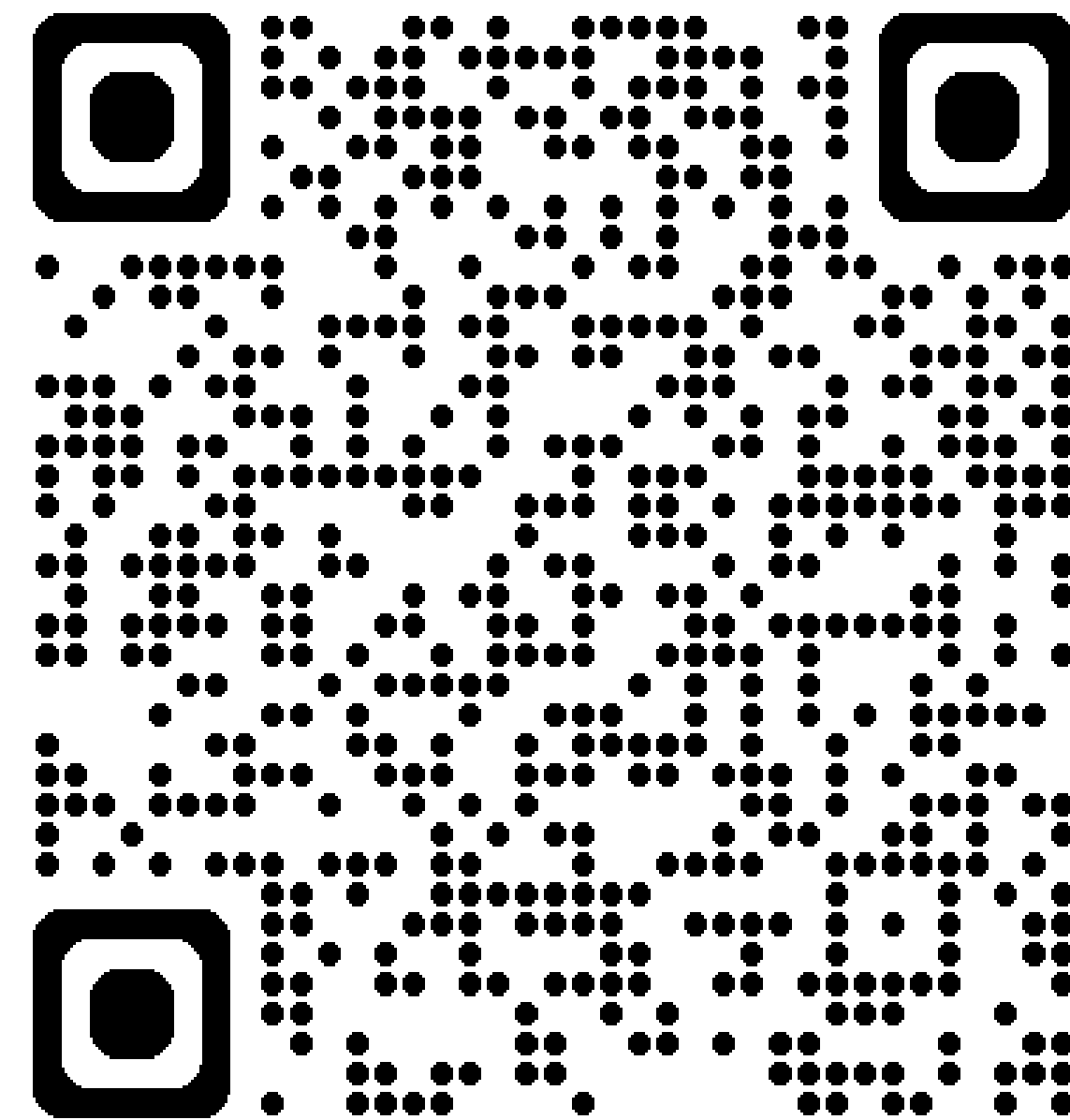
CNHP Species Tracking List

Visit CNHP.colostate.edu/SNHS
(Engagement page)

Species: plants, insects, birds, amphibians,
mammals, reptiles, and more!

Includes: county, scientific name, common name,
phenology, ranking, and elevations

Spreadsheet will be updated as new data
becomes available throughout the project



Statewide Survey

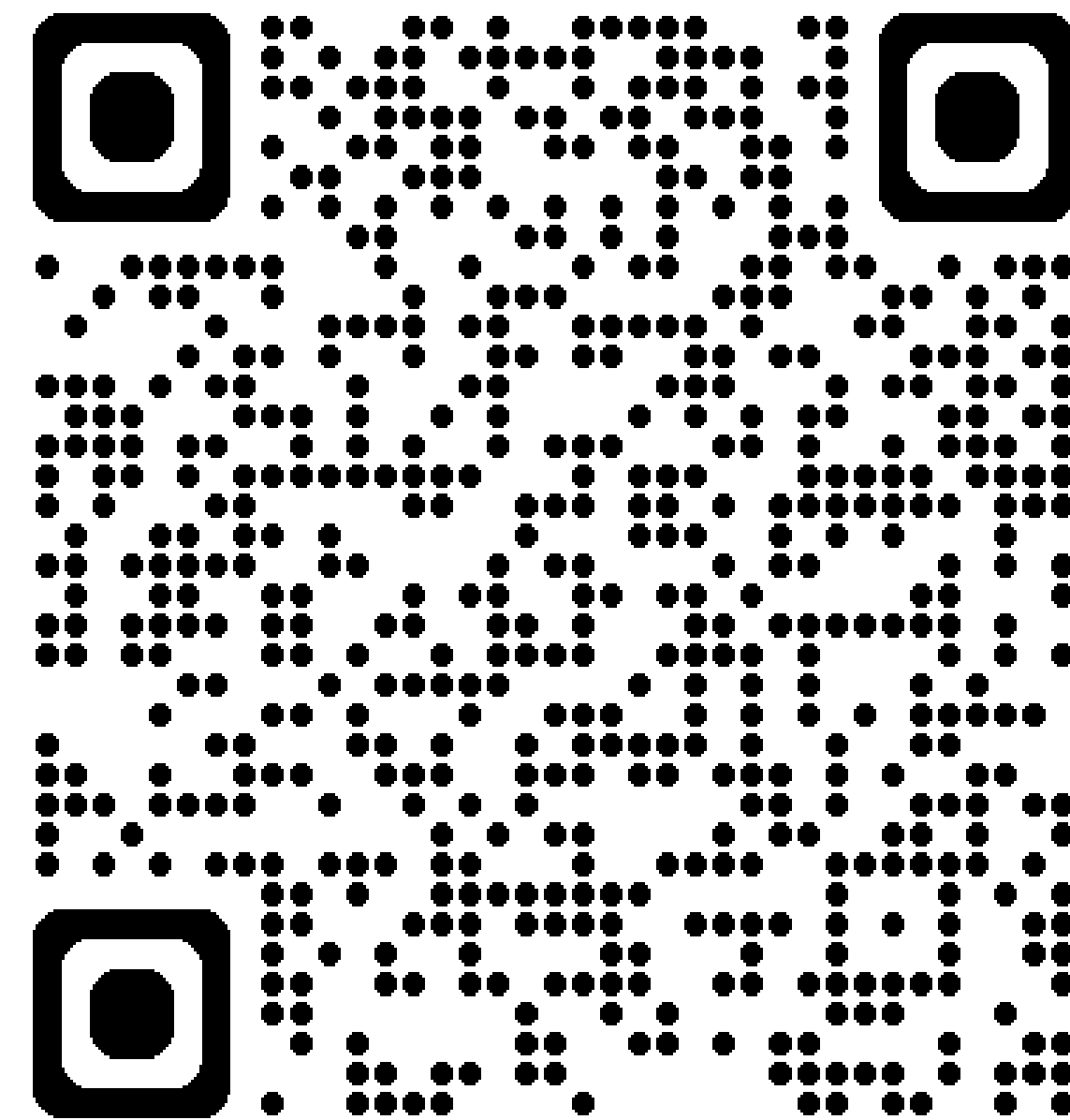


Questions & What's Next

Possible Upcoming Community Science Trainings

- CODEX (codex.cnhp.colostate.edu)
- CoNPS Field Studies and plant ID
- CNHP Front Range Vulnerable Wetlands Project
- Other ideas?

Recording and slides will be posted to SNHS website



Statewide Survey





**WARNER COLLEGE OF
NATURAL RESOURCES**
COLORADO STATE UNIVERSITY

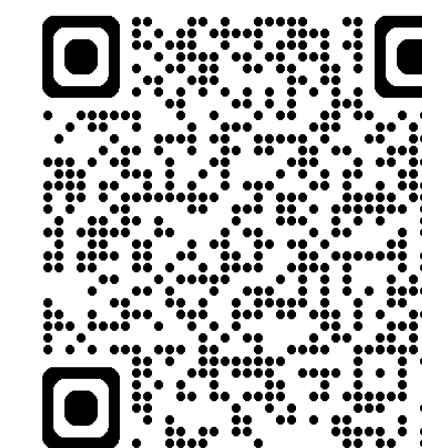


Thank you!



Follow up questions:
Jess.Cheadle@colostate.edu

CNHP.colostate.edu/SNHS



Statewide Survey



Jess's Contact Info