
NATURE MAPPING JACKSON HOLE

Make your wildlife sightings count.

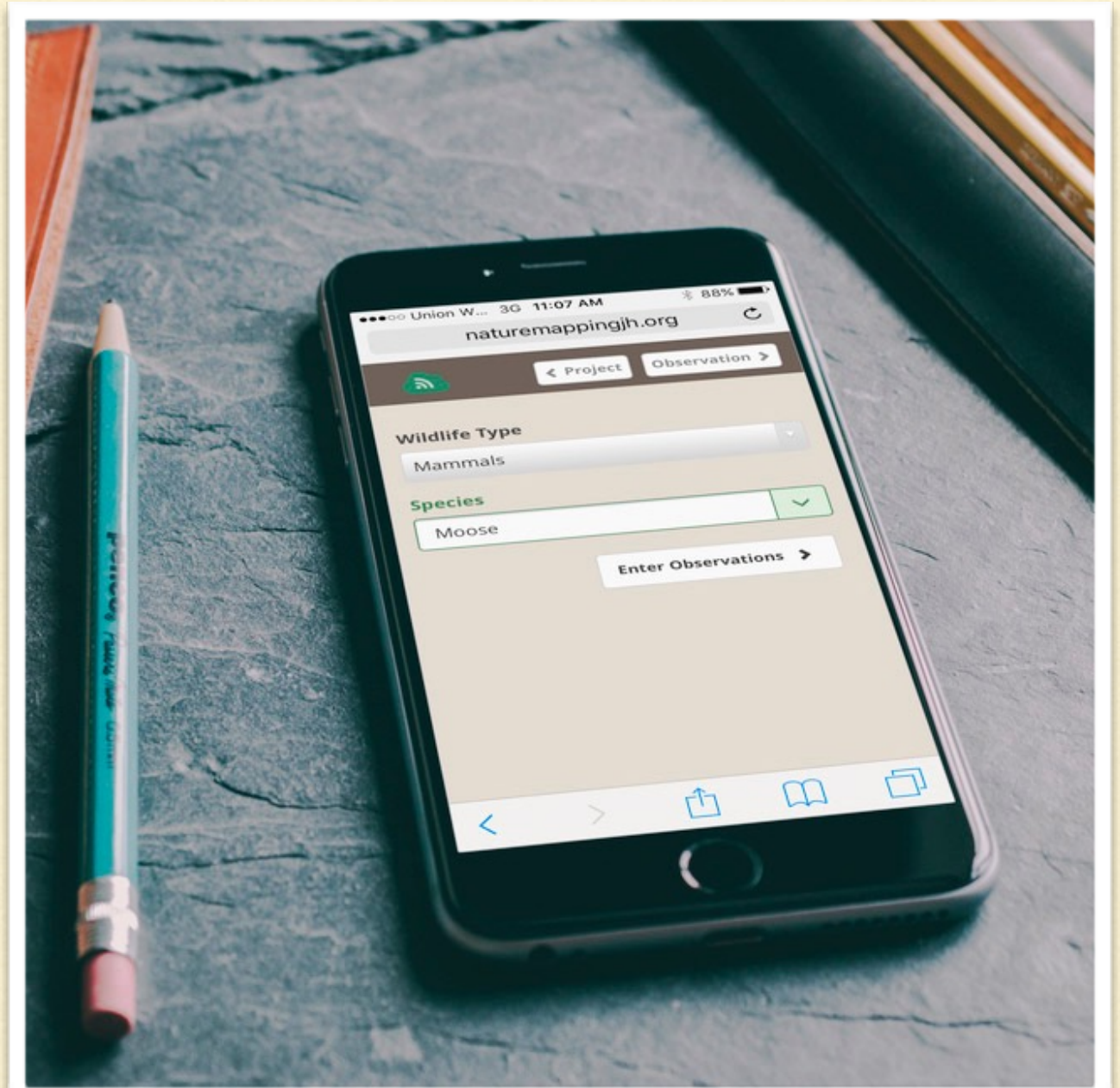


Rev: 10.11.19

WELCOME!

Please:

1. Sign in
2. Set up your laptop
3. Sign into Wireless Network: tclib
4. Open the following website:
<https://jhwildlife.naturemappingjh.org>
5. Introduce yourself to the person next to you 😊



THE JACKSON HOLE WILDLIFE FOUNDATION



promotes ways for our
community to live
compatibly with wildlife



JACKSON HOLE



WILDLIFE
FOUNDATION



NMJH GOALS:

Keeping common species common
(studying all species not just high-profile species or species of concern)

Increasing citizen's knowledge of and appreciation for wildlife in Teton County, Wyoming

Engaging citizens in long-term wildlife data collection

Informing management decisions that favor wildlife sustainability

Contributing data to the Wyoming Game & Fish Department's Wildlife Observation System (WOS)



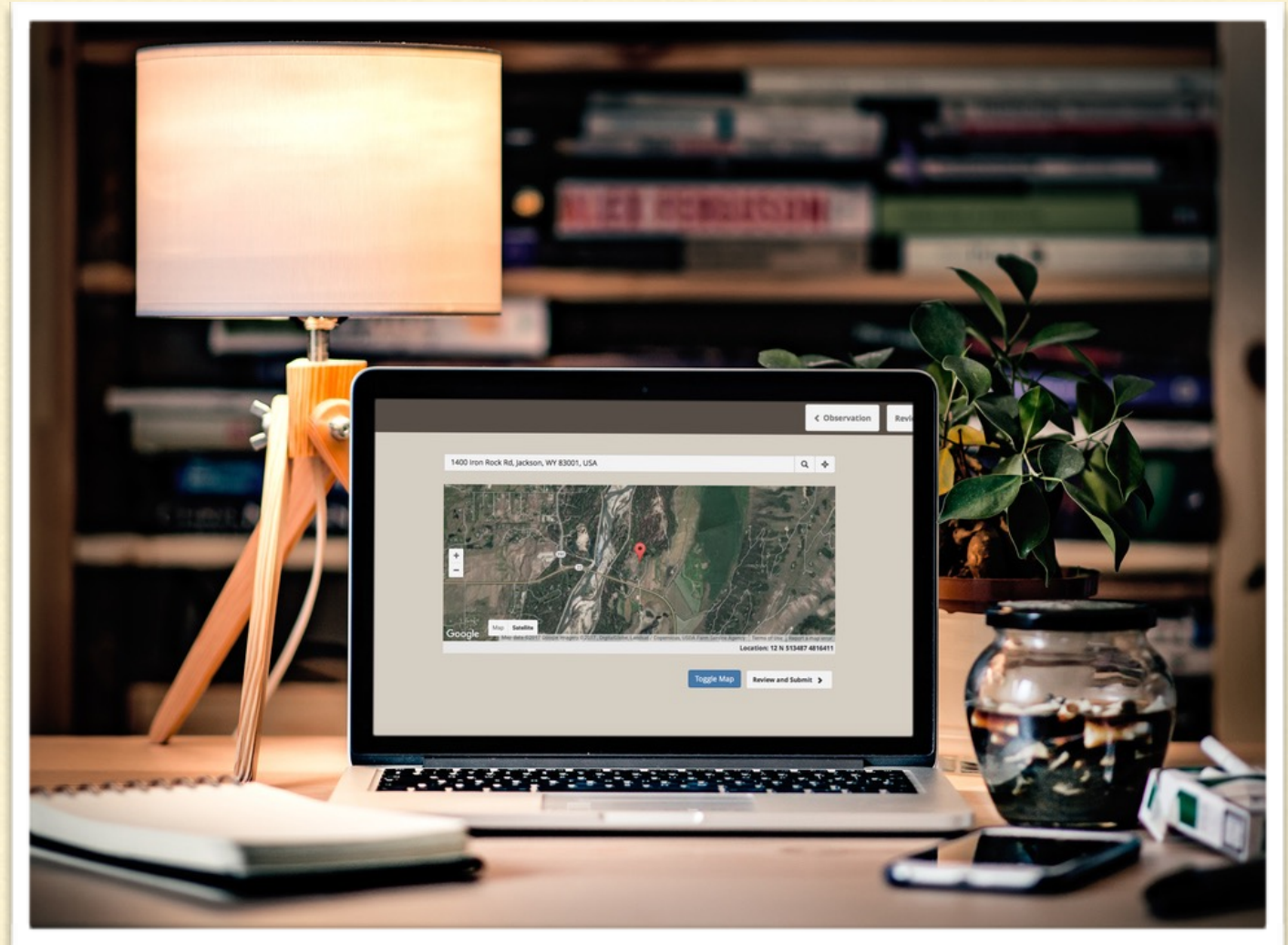
OBJECTIVES:

Understand the importance of accurate observations

Know how to access and navigate the NMJH system including: login, updating your account, entering observations, and editing observations

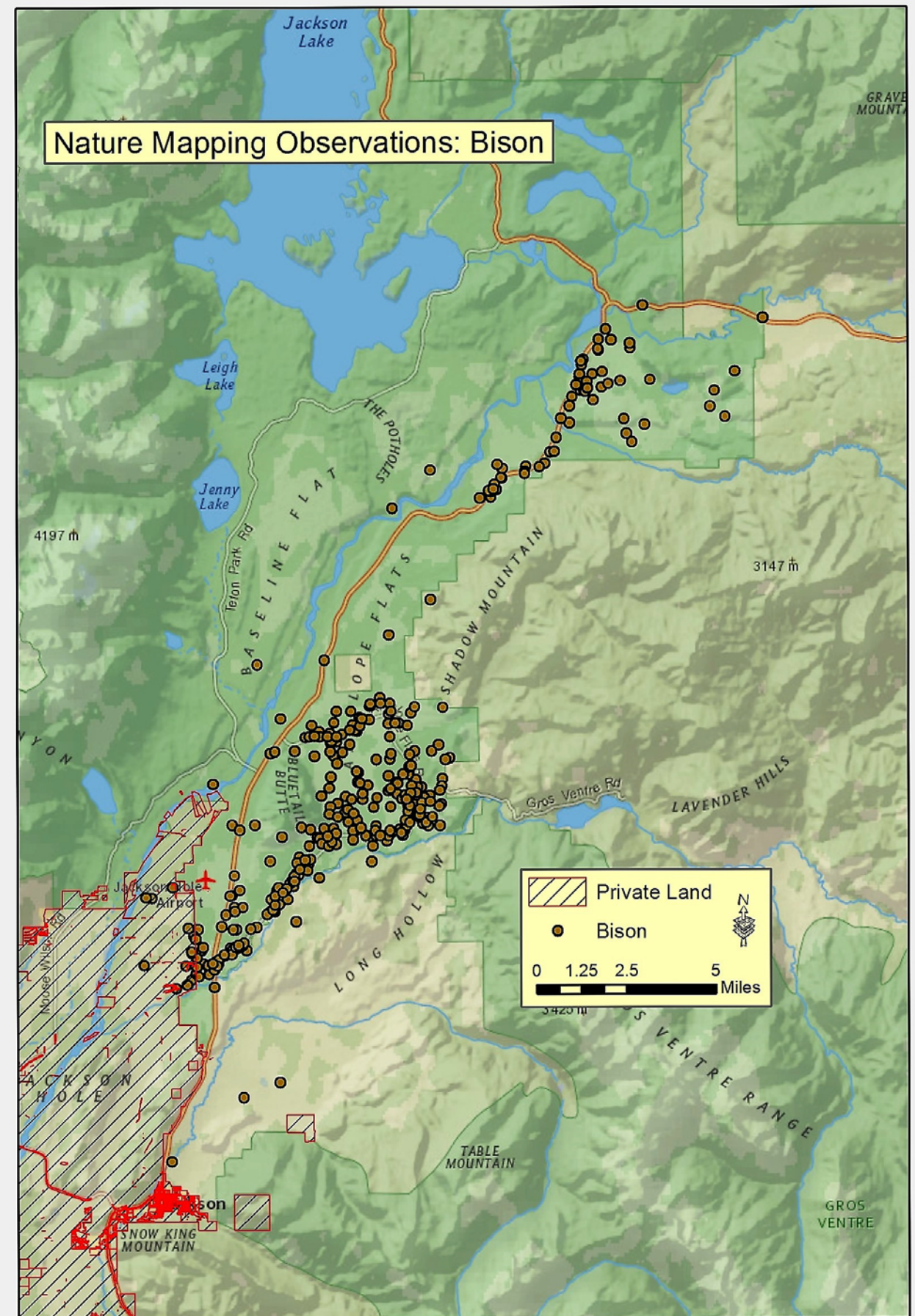
Understand the importance of following protocols

Learn about current projects and future trainings available to trained Nature Mappers



DATA USED FOR:

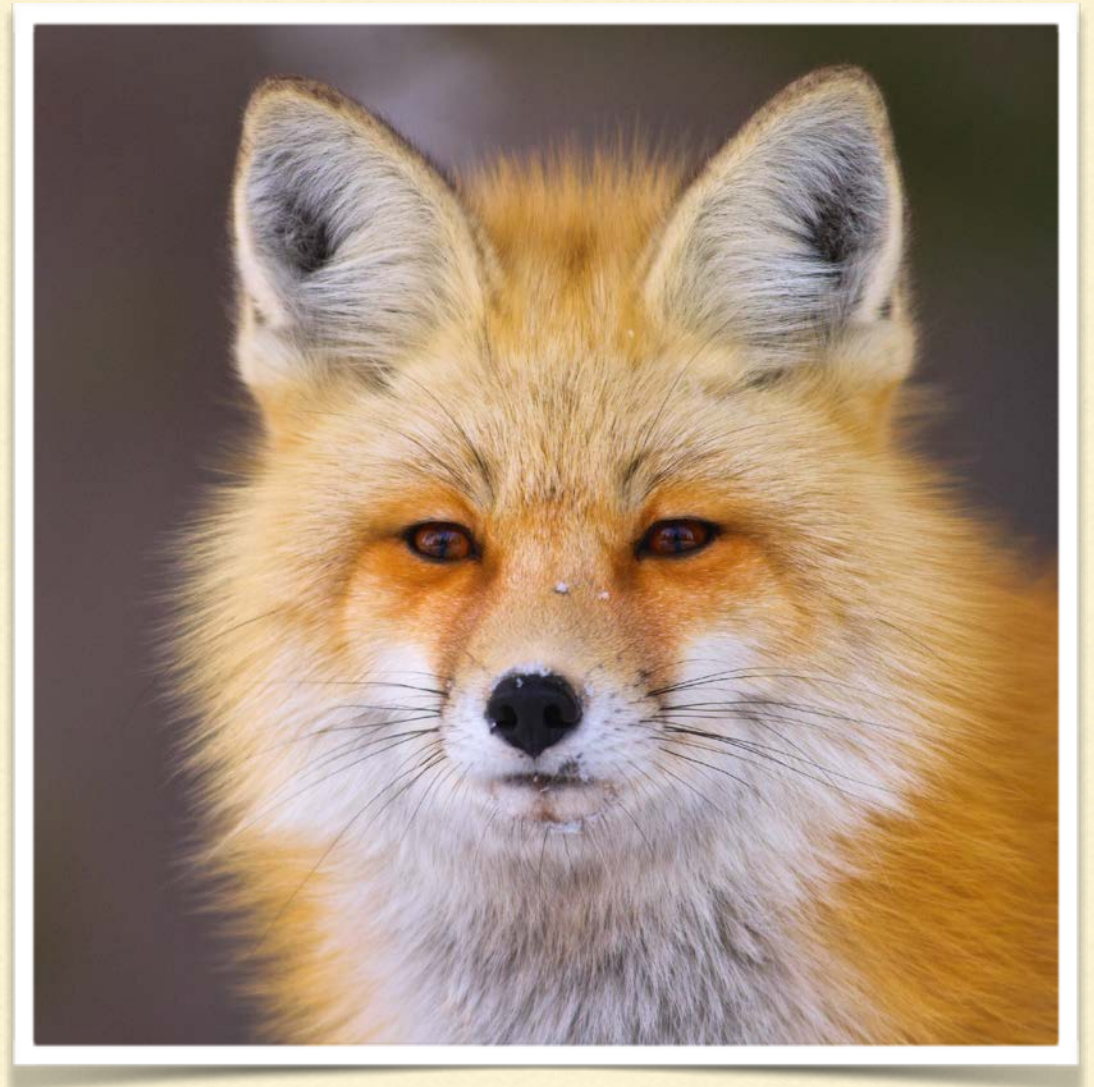
- Wyoming Game & Fish Dept.
- County/Town Comp Plan
- Proposed pathways
- County subdivisions planning
- Wildlife Crossing strategy
- Radar Sign placement
- Cornell's eBird
- Focal species research
- Trail construction
- Natural Resources Technical Advisory Board



FUNDAMENTALS OF OBSERVATIONS

Each observation must include:

- The species seen
- How many individuals
- Where (location)
- When: Date and time
- Additional data: sex, age, activity, and observation notes



THE DATA PROCESS:

- Trained Nature Mappers enter their data online (preferably within a week of collecting it)
- The data is examined by trained biologists
- If there are questions, the biologist will contact the citizen scientist and ask for clarification or further information
- Any necessary edits are made to the data
- The data is verified



WHEN IN DOUBT, LEAVE IT OUT!

PRIVATE LAND CONSIDERATIONS

- Please do not trespass on private lands, view from the road or friend's property.
 - Ask the owner if you can Nature Map a species.
 - Always be courteous – you are a Nature Mapper ambassador.
 - If in doubt, please stay out.
-

NMJH PROJECTS

- Casual Observations
- Project Backyard
- Snake River Float Trips
- Mountain Bluebird monitoring
- Moose Day
- Neighbors to Nature



CASUAL OBSERVATIONS

- Out and about in Teton County, Wyoming
- Most of the observations we map
- Includes roadkill – Wildlife-Vehicle Collisions (WVCs)



PROJECT BACKYARD

- From the house or other "set" location
- Has own protocols
- Total observations for the week (e.g. top number of pine siskins, magpies, elk--entered once.)
- Important for wildlife care on private land



SNAKE RIVER FLOAT TRIPS

- Sunday mornings (June – Sept.)
- Team of Birder and Recorder
- Thanks to A.J. DeRosa of Jackson Hole Vintage Adventures



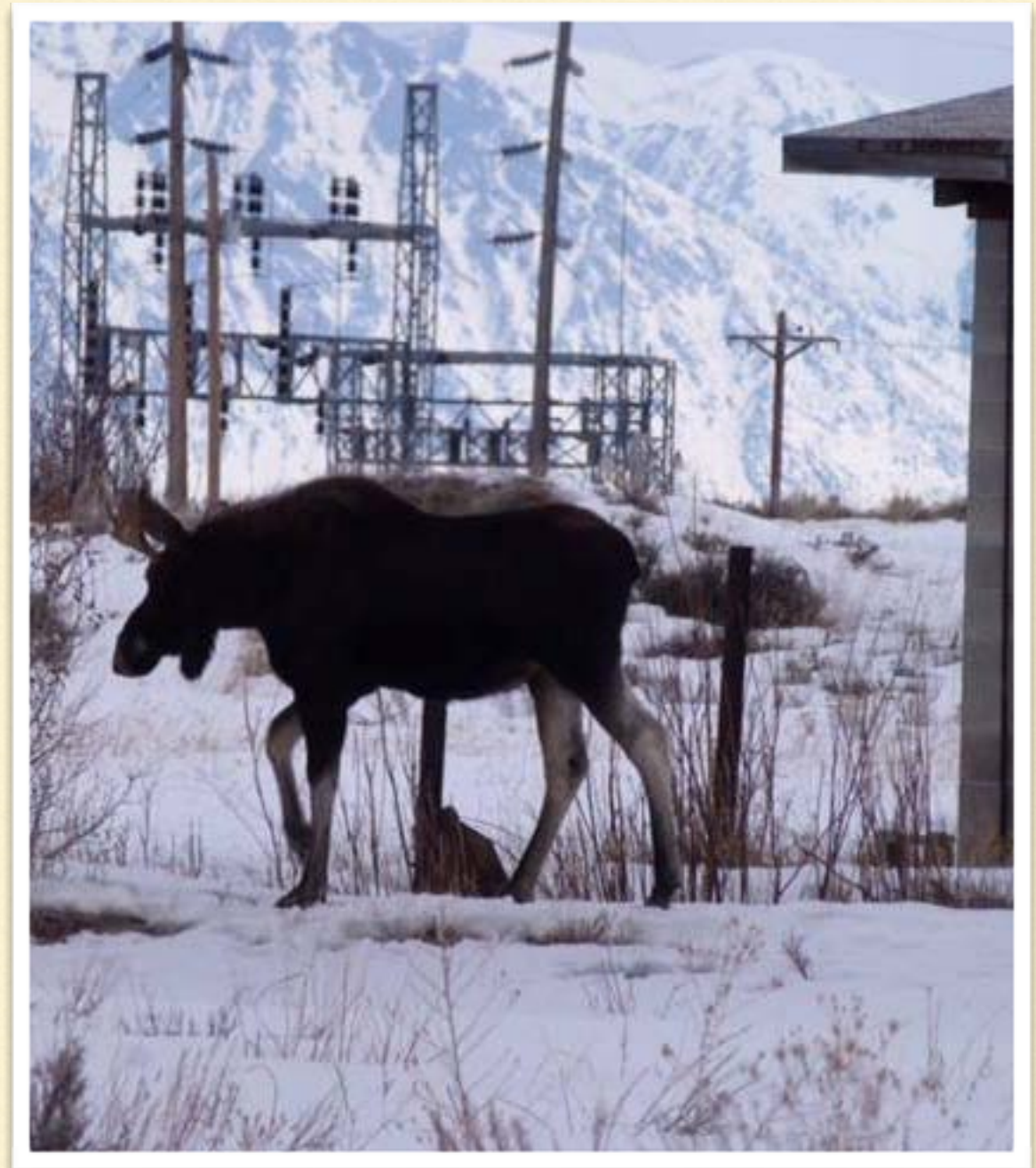
MOUNTAIN BLUEBIRD NESTBOX MONITORING PROJECT

- Mitigate for habitat loss of cavity nesting birds in Jackson Hole.
- Educate the public about the plight of cavity nesting birds.
- Volunteer to monitor set of boxes one time/week for season.
- Longest trail in the US — 112 boxes!



MOOSE DAY

- Last Saturday in February from 7:00 a.m. - noon
- Work in teams
- Assigned areas
- Nature Mapping data complements WGFD's (private land vs. public land)





OBSERVATION #1

One American Robin mapped on Feb. 13th, 3:10 p.m near the National Elk Refuge



Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 9th, 2019
10:30 AM PST

Casual Observations

ROBIN, AMERICAN

When did you make this observation?*

Oct 9, 2019, 5:39 PM

What type of wildlife was it?*

- ☒ Birds
- ☐ Mammals
- ☐ Reptiles

What species was it?*

ROBIN, AMERICAN



Occurrence

Spring
Abundant

Summer
Abundant

Fall
Abundant

Winter
Occasional

CANCEL

NEXT

Tip: Most of what we map will be under the project Casual Observations

Tip: “Commonality” suggestion to help make sure this is accurate based on the date



Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019
1:30 PM PST

What did you see?

Sex*

- ☐ Female
☐ Male
☒ Unknown

Age*

Adult



Quantity*

1

Activity*

Standing/Perched



Mortality*

N/A



Note: Notice the green cloud to the left? It's says your status is online. But, even if you're not online your observation will still work!



Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019
1:30 PM PST

Activity*

Standing/Perched



Mortality*

N/A



+ Add another

Notes

Any notes about the observation?

PREVIOUS


NEXT



Last updated
October 10th, 2019
1:30 PM PST

Where did you observe this species?

To select your location, you can click on the map, click the "Use my location" feature to get your current GPS coordinates, or enter the values manually.

 USE MY LOCATION



If entering the location manually, you can just enter either the latitude and longitude or the UTM's and we will calculate the others for you.

Latitude

Longitude

UTM Easting



Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019
1:30 PM PST

Casual Observations

ROBIN, AMERICAN

Photos







Drag and drop your photos here, or click to select them

PREVIOUS

REVIEW



Nature
Mapping
Jackson
Hole

-  Home
-  All Observations
-  Settings
-  Sign out



Last updated
October 10th, 2019
1:30 PM PST

Review Observation

Casual Observations

Wildlife Type	Species	Date and Time
Birds	ROBIN, AMERICAN	October 9, 2019, 5:39 PM MDT

Edit

Observations

Observation 1		
Sex	Age	Quantity
Unknown	Unknown/Mixed	1
Activity	Mortality	
Standing/Perched	N/A	
Notes		

Edit



Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019
1:30 PM PST

Location

Latitude

43.480515012901236

Longitude

-110.74446138610841

UTM Easting

520665.4935

UTM Northing

4814209.1313

UTM Zone

12

[Edit](#)

Photos

No photos were added to this observation

[Edit](#)

SUBMIT

CANCEL

Congratulations! You have completed Observation #1!



OBSERVATION #2

One Mule Deer adult female with a juvenile mapped near Teton Village on August 8, 3:15 p.m.



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Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019
1:30 PM PST

Casual Observations

When did you make this observation?*

Aug 8, 2019, 3:15 PM

What type of wildlife was it?*

- ☐ Birds
- ☒ Mammals
- ☐ Reptiles

What species was it?*

Deer



DEER, MULE

DEER, WHITE-TAILED

MOUSE, DEER



Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019
1:30 PM PST

Casual Observations

DEER, MULE

What did you see?

Sex*

- ☒ Female
☐ Male
☐ Unknown

Age*

Adult



Quantity*

1

Activity*

Standing/Perched





Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019

Activity*

Standing/Perched

Mortality*

N/A

Notes

Any notes about the observation?

+ Add another

PREVIOUS

NEXT

Tip: To enter two+ in one location, click the 'Add Another' button!



Nature
Mapping
Jackson
Hole



Home



All Observations



Settings



Sign out



Last updated
October 10th, 2019
1:30 PM PST

Sex*

- ☐ Female
☐ Male
☒ Unknown

Age*

Juvenile

Quantity*

1

Activity*

Standing/Perched

Mortality*

N/A

✕ Remove species

In case you make a mistake, you
can delete

Where did you observe this species?

To select your location, you can click on the map, click the "Use my location" feature to get your current GPS coordinates, or enter the values manually.

USE MY LOCATION



If entering the location manually, you can just enter either the latitude and longitude or the UTM's and we will calculate the others for you.





Latitude

Longitude

UTM Easting



Nature
Mapping
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Hole

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-  All Observations
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-  Sign out



Last updated
October 10th, 2019
1:30 PM PST

Review Observation

Casual Observations

Wildlife Type
Mammals

Species
DEER, MULE

Date and Time
August 8, 2019, 3:15 PM MDT

[Edit](#)

Observations

Observation 1

Sex

Female

Age

Adult

Quantity

1

Activity

Standing/Perched

Mortality

N/A

Observation 2

Sex

Unknown

Age

Juvenile

Quantity

1

Activity

Standing/Perched

Mortality

N/A

SUBMIT

Now, you're ready to submit your multiple mule deer observation!

SPECIES ID: SQUIRRELS



Golden Mantled Ground Squirrel



Uinta Ground Squirrel

SPECIES ID: CHIPMUNKS



Yellow Pine Chipmunk

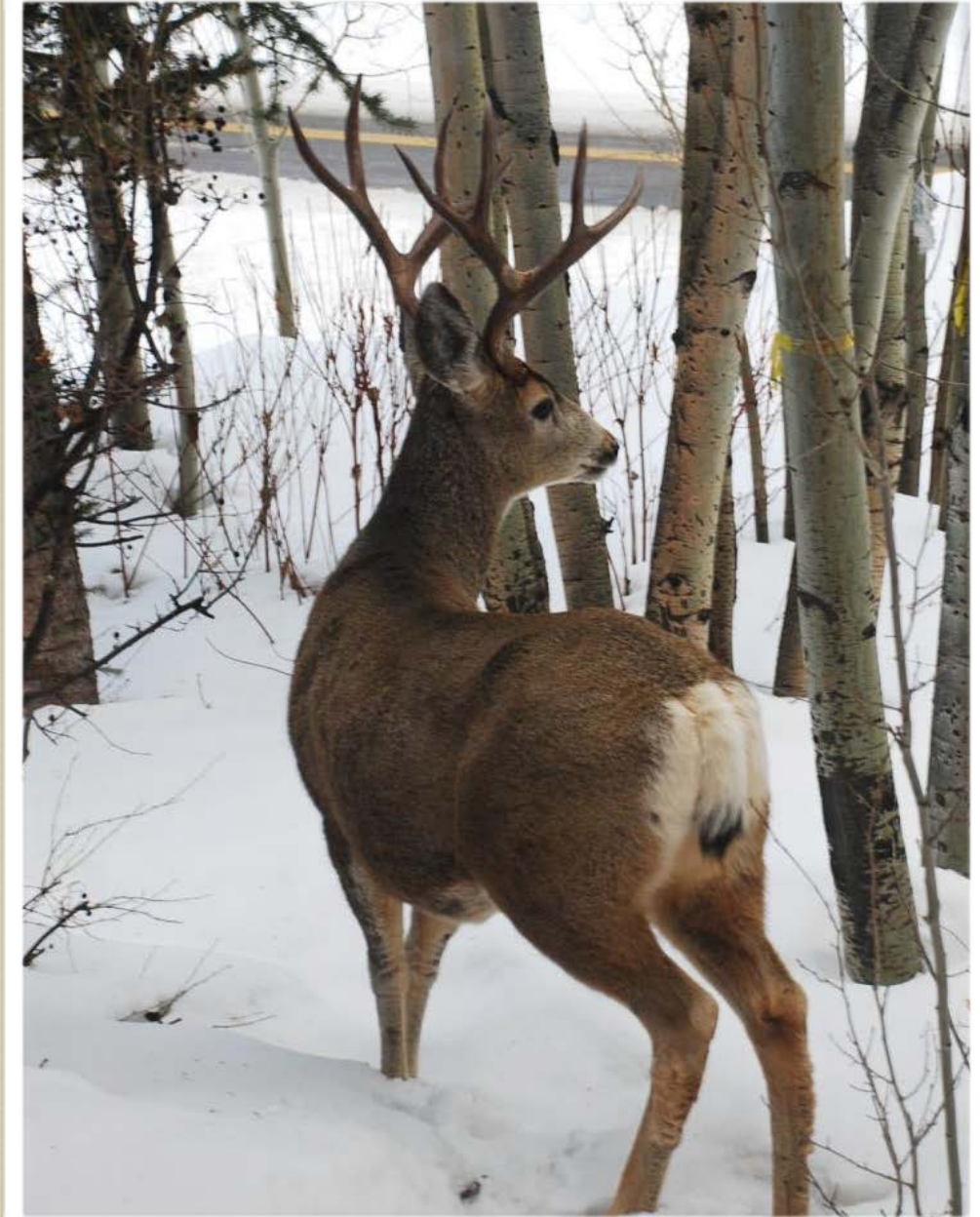


Least Chipmunk

SPECIES ID: MULE DEER



1. Antler branching pattern 2. Big ears 3. White tail with black tip



SPECIES ID: WHITE-TAILED DEER

- Antler branching from one base
- Smaller ears – although hard
- Long tail with white underside
- Mostly found in riparian areas on the West Bank, Gros Ventre River, near South Park and Alta



SPECIES ID: WHITE-TAIL VS. MULE



Main beam with single, vertical points



Antler with multiple forks

SPECIES ID: SNAKES - 3



We have three species: Two gartersnakes: Wandering is the most common, Valley is rare – Valley has red on it. Rubber boa is the third.

SEX: UNKNOWN

The sex of many species cannot be determined or observed:

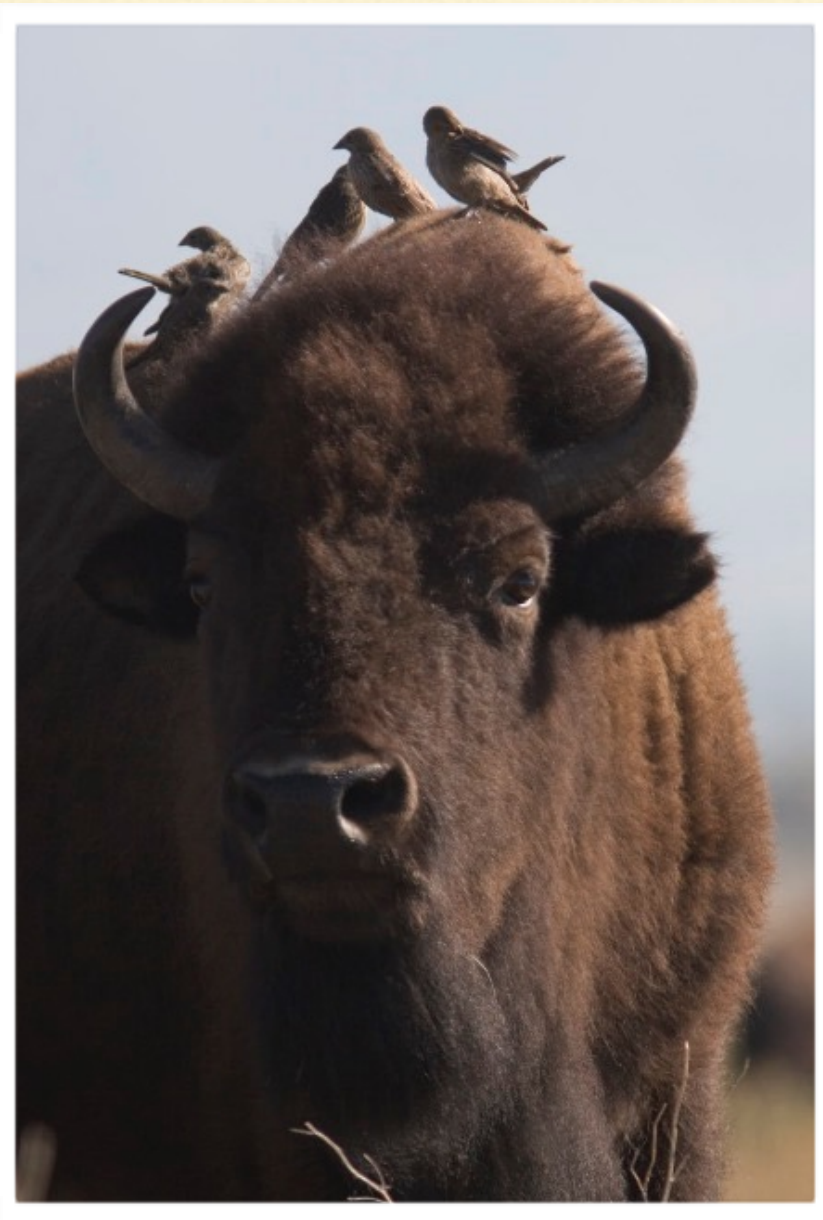
- Squirrels
- Swans
- Hawks
- Snakes



SEX: BISON MALE VS. FEMALE



Male: Less curved horns

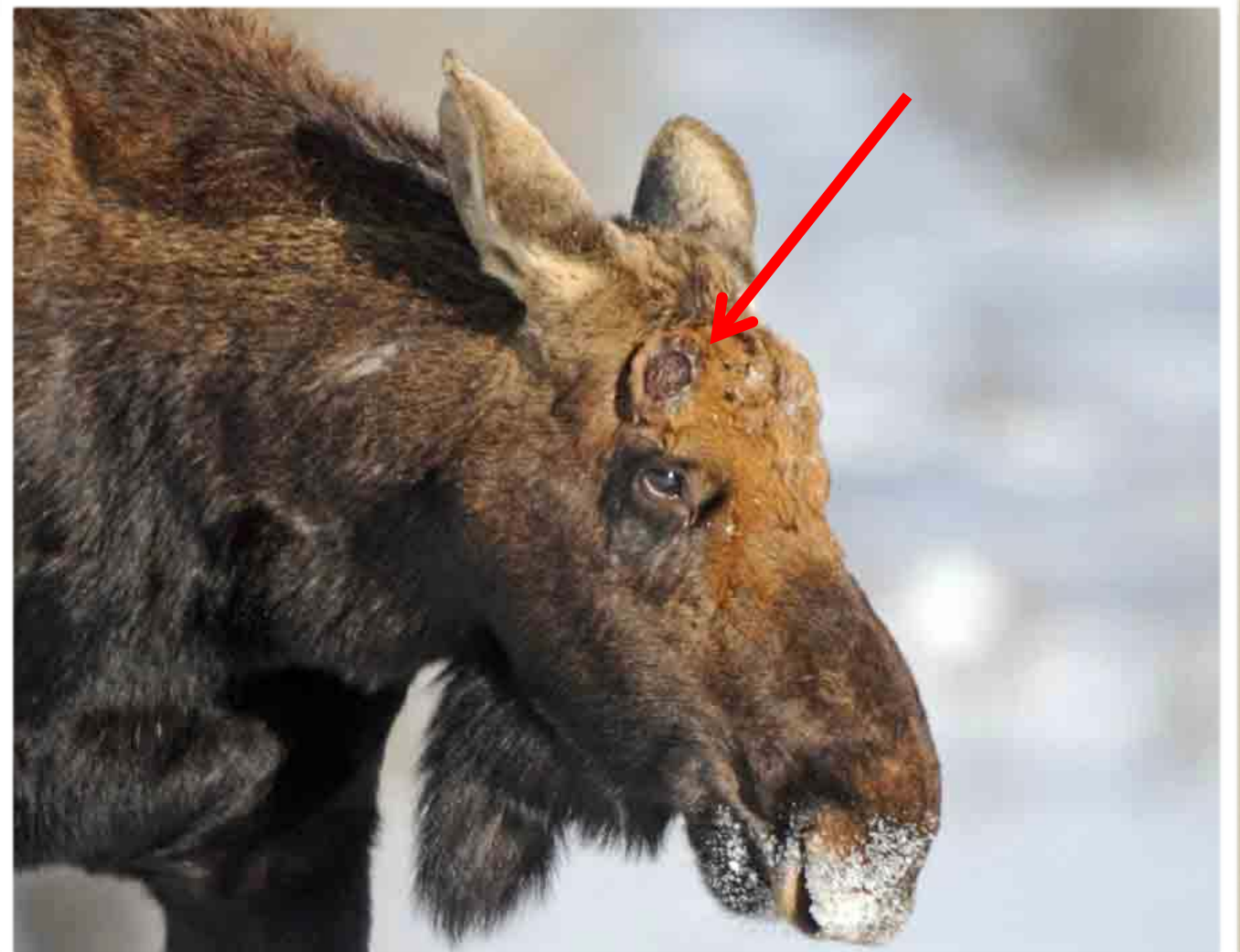


Female: More curved horns

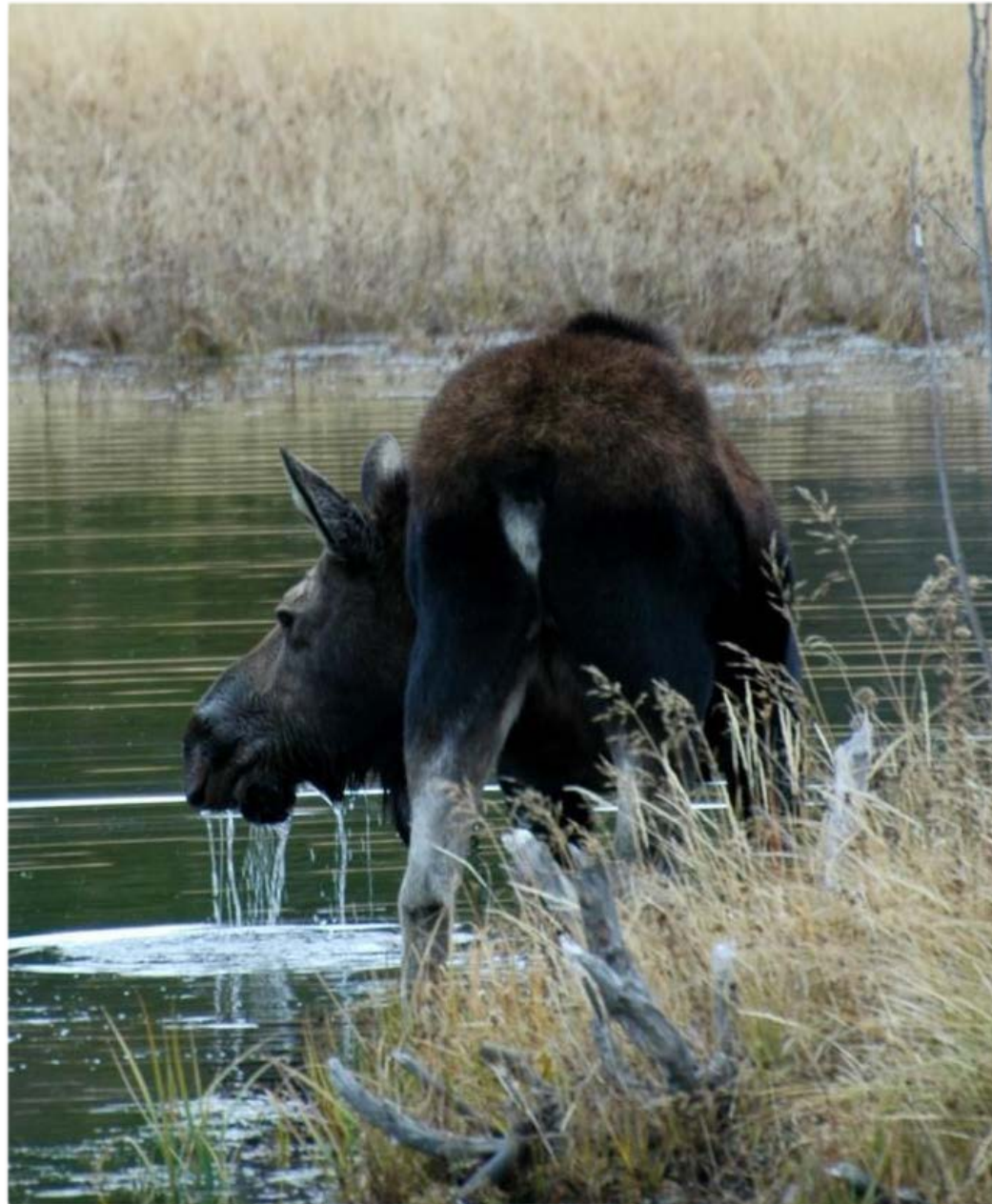
SEX: BISON



SEX: MOOSE MALE



SEX: MOOSE FEMALE



SEX: PRONGHORN



Male



Female

SEX: BARROW'S GOLDENEYE



Male

Female

SEX: MOUNTAIN BLUEBIRD



Male

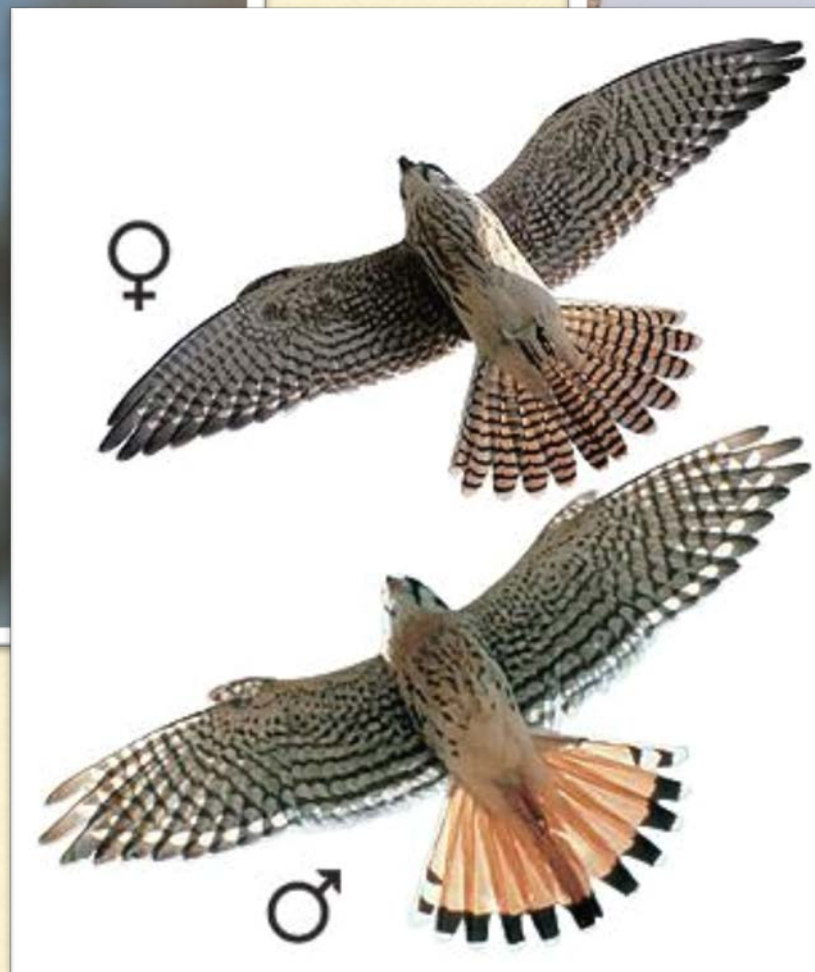


Female

SEX: AMERICAN KESTREL



Male



Female

AGE: UNKNOWN/MIXED



If large group (+/or little time): Unknown/Mixed

AGE: JUVENILES

- Juveniles: Young of the year
- Usually born after May 15th
- If don't know = Unknown



AGE: YEARLINGS

Yearlings:

- Second spring to third spring
- Can be hard
- If not sure = **Unknown**
- Can add comments, too, e.g. immature bald



AGE: BISON JUVENILE (L) YEARLING (R)



AGE: MOOSE JUVENILE OR ADULT?

- Moose should be classified as adults or juveniles
- Cannot distinguish yearlings based on size
- Moose pictured right is adult male, even though small



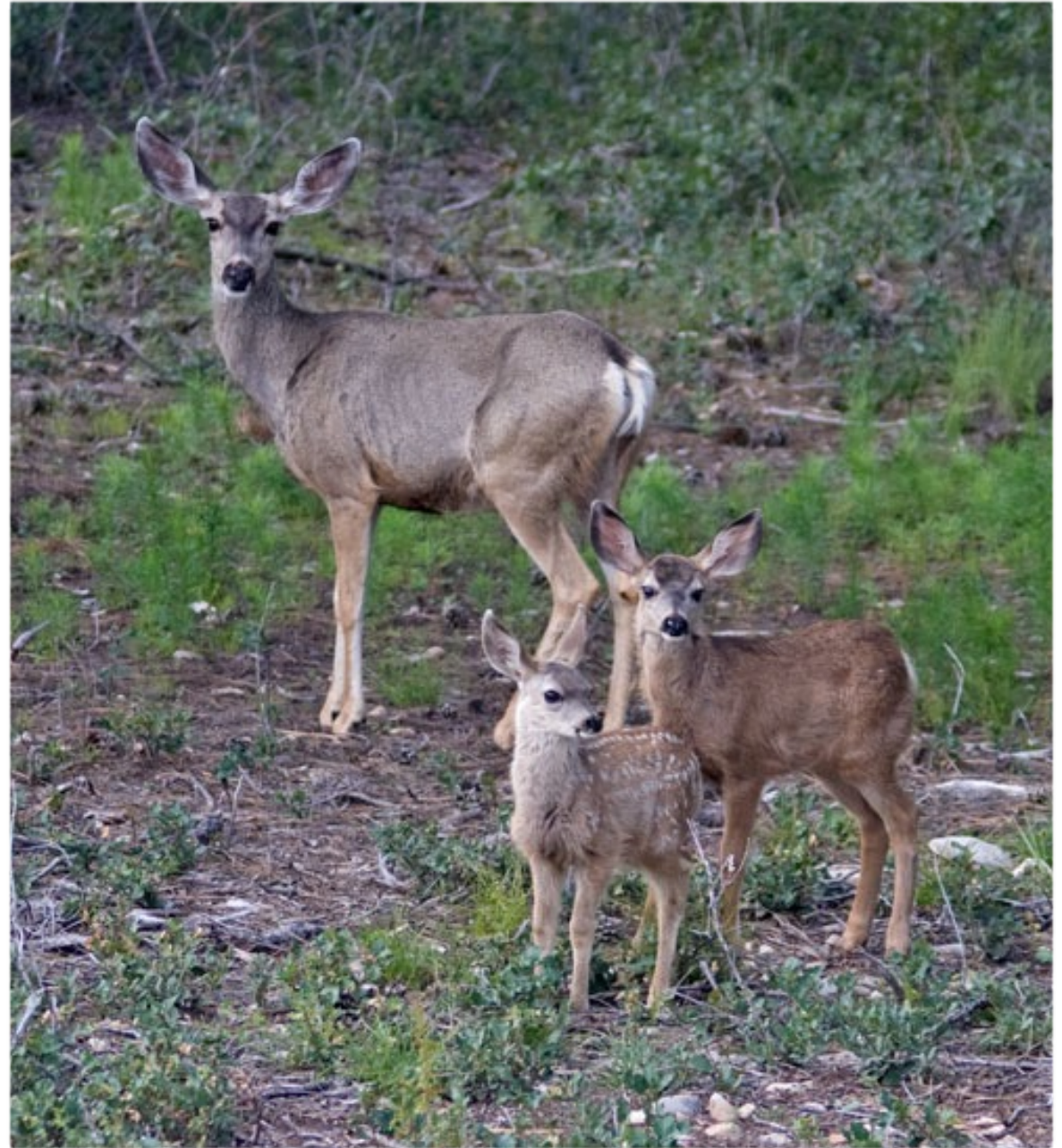
AGE: CAN YOU AGE DEER?



No, cannot tell age based on antler size. If antlers, age as “Adults”

CAN YOU AGE THESE DEER?

- Adult Female
- Two juveniles



ACTIVITY:

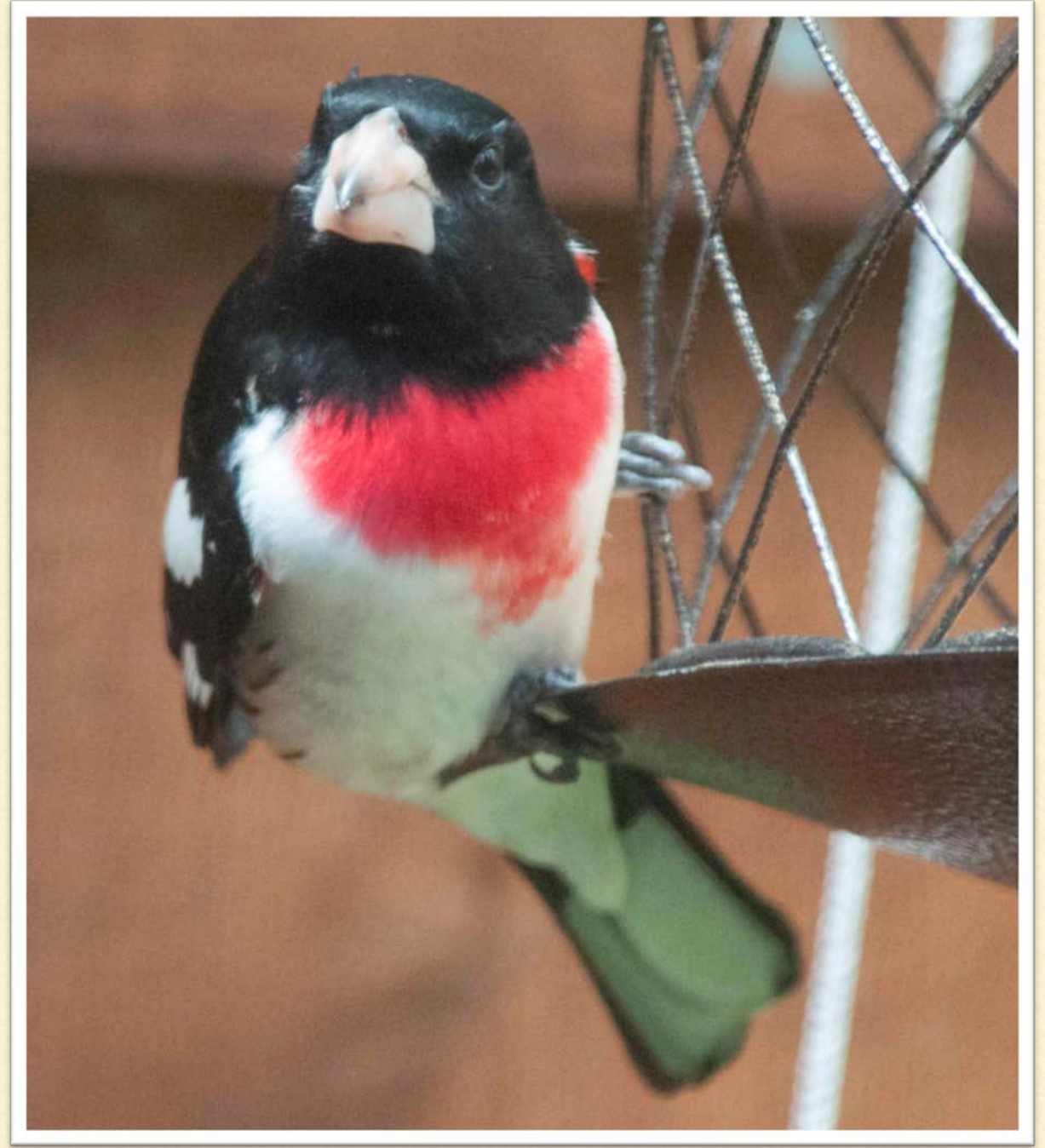
- Loafing/Resting
- Feeding
- Standing
- Walking
- Running
- Flying
- Swimming



ACTIVITY: SIGN (TRACK/SCAT)



ACTIVITY: ACTIVE BIRD FEEDER



ACTIVITY: REPRODUCTION (BREEDING)

- In the act!
Courtship behavior



ACTIVITY: TERRITORIAL

- Singing
- Chasing



ACTIVITY: NESTING



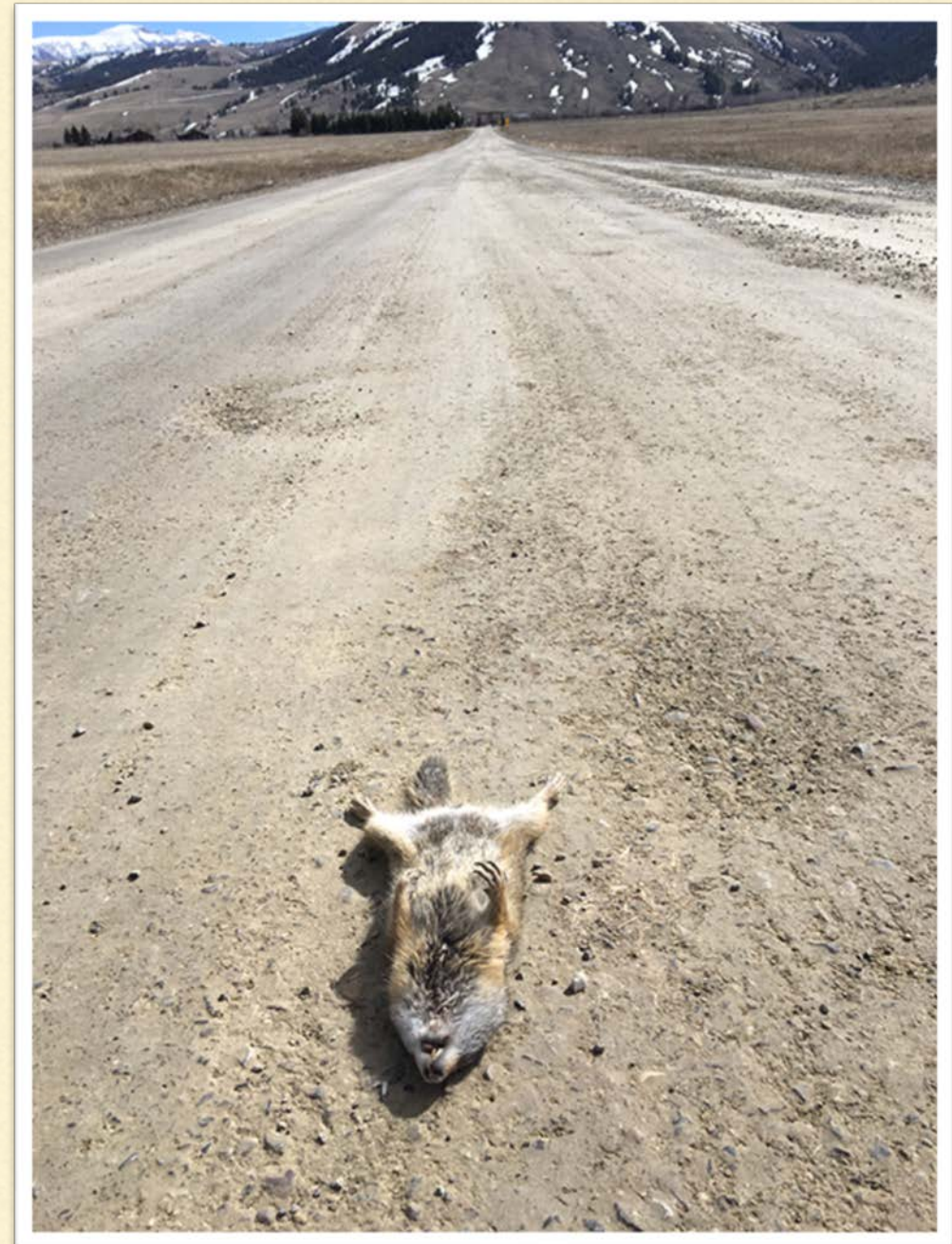
ACTIVITY: UNDETERMINED

- Hearing only
- Variable




MORTALITY:

- Cause Undetermined
- Fence
- Serious injury
- Powerline
- Accident – vehicle
- Predation
- (can add info under notes)



EDIT YOUR OBSERVATION:



Nature
Mapping
Jackson
Hole

Home

All Observations

Settings

Sign out

✓

Last updated
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1:30 PM PST

Add Observations

You can enter observations for the following projects:

CASUAL
OBSERVATIONS

PROJECT
BACKYARD

Your Observations

Select an observation from the table below to view details


9 Observations

NM Id	Date & Time	Status	Project	Species	Age
Filter by id...		Filter by status...	Filter by project...	Filter by species...	Filter by age...
NM-u95q8qu1	10/10/2019, 1:45 PM	New	Casual Observations	ELK	Unknown/Mix...
NM-F0ePm3EV	10/9/2019, 5:39 PM	New	Casual Observations	ROBIN, AMERICAN	Unknown/Mix...
NM-zicHdUeM	10/9/2019, 5:39 PM	New	Casual Observations	ROBIN, AMERICAN	Unknown/Mix...
NM-9A0wfQho	10/9/2019, 1:51 PM	New	Casual Observations	BAT, BIG BROWN	Unknown/Mix...
NM-Kok2vyZA	10/9/2019, 1:51 PM	New	Casual Observations	BAT, BIG BROWN	Unknown/Mix...
NM-lvPgoIMu	10/8/2019, 5:10 PM	New	Casual Observations	ELK	Unknown/Mix...

Double-click on an entry
for editing

Home has all Your Observations listed!

EDIT YOUR OBSERVATION:




Nature
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All Observations

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Sign out



ELK

CERVUS ELAPHUS

EDIT

DELETE

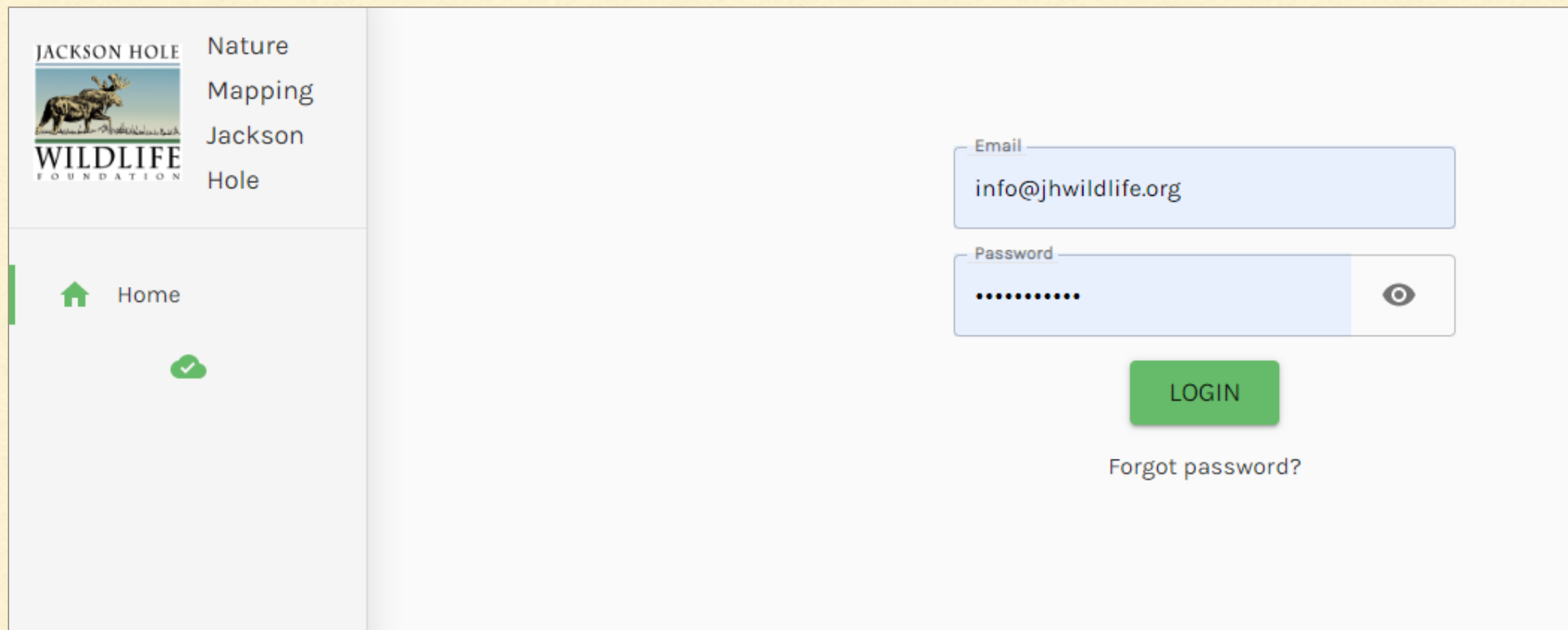
Project	Date & Time	Species Type	Species
Casual Observations	October 10, 2019, 1:45 PM MDT	Mammals	ELK
Notes	Sex	Age	Quantity
	Male	Unknown/Mixed	1
Activity	Mortality	Status	NM Id

From 'Home':

- 1) Under Your Observations click twice on the observation you want to edit
- 2) 2) Select Edit on the next page that pops-up and continue editing observation
- 3) 3) click "Submit"

GETTING YOU GOING!

- Log-In
- Change Password/ Reset
- Fill profile under Settings
- Practice Data Entry



The screenshot shows the login interface of the Jackson Hole Wildlife Foundation. On the left is a sidebar with the organization's logo (a moose) and the text "JACKSON HOLE WILDLIFE FOUNDATION". Below the logo are links for "Nature Mapping Jackson Hole", "Home" (with a house icon), and a green checkmark icon. The main content area on the right contains the login form. It has two input fields: "Email" with the value "info@jhwildlife.org" and "Password" with masked characters ".....". To the right of the password field is an eye icon for toggling visibility. Below the fields is a green "LOGIN" button and a link for "Forgot password?".

JACKSON HOLE WILDLIFE FOUNDATION

Nature Mapping Jackson Hole

Home

✓

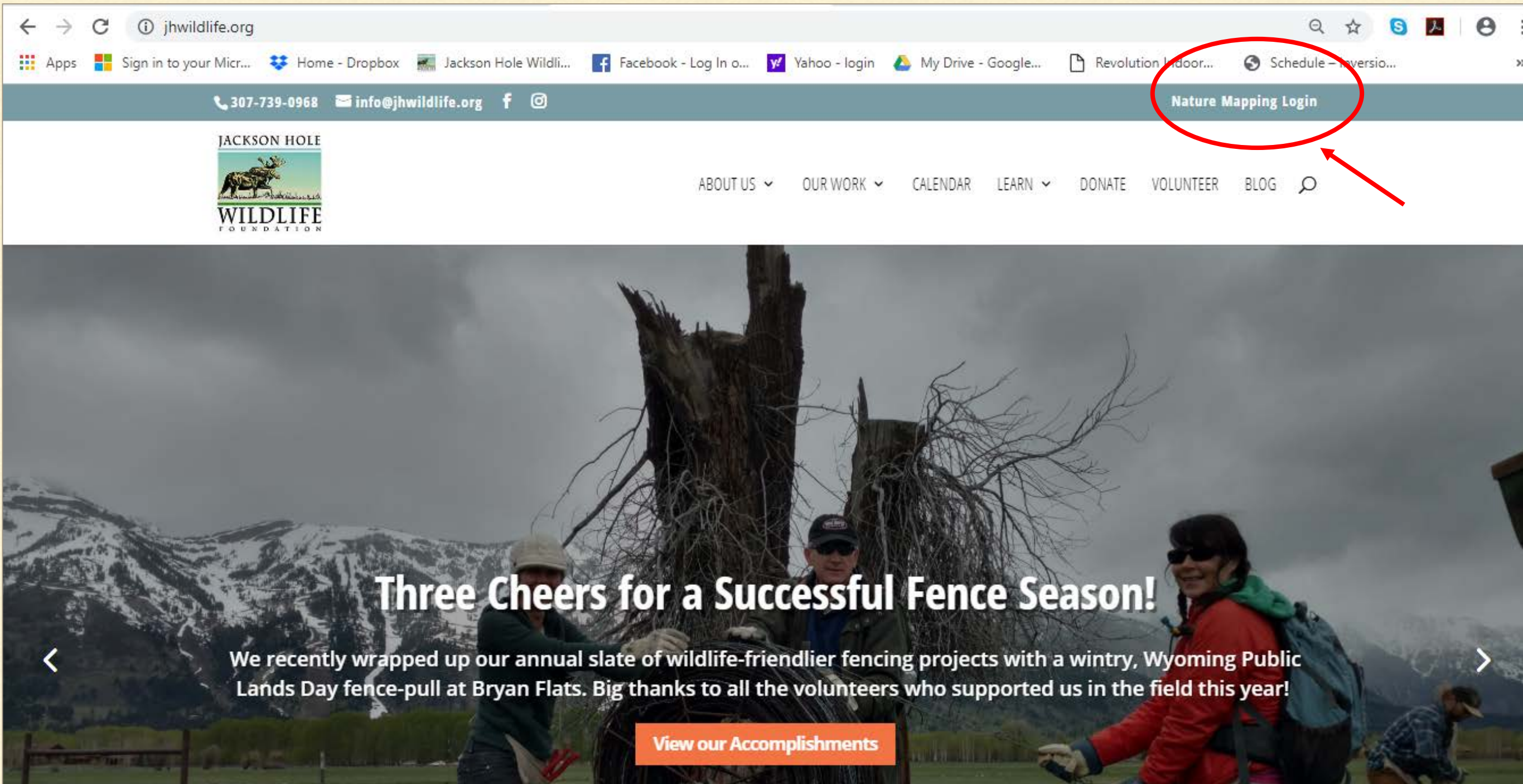
Email
info@jhwildlife.org

Password
.....

LOGIN


[Forgot password?](#)

GETTING YOU GOING:




Start at our Home Page: jhwildlife.org

GETTING YOU GOING: LOG IN



JACKSON HOLE
WILDLIFE
FOUNDATION

[Nature](#)
[Mapping](#)
[Jackson Hole](#)

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Email

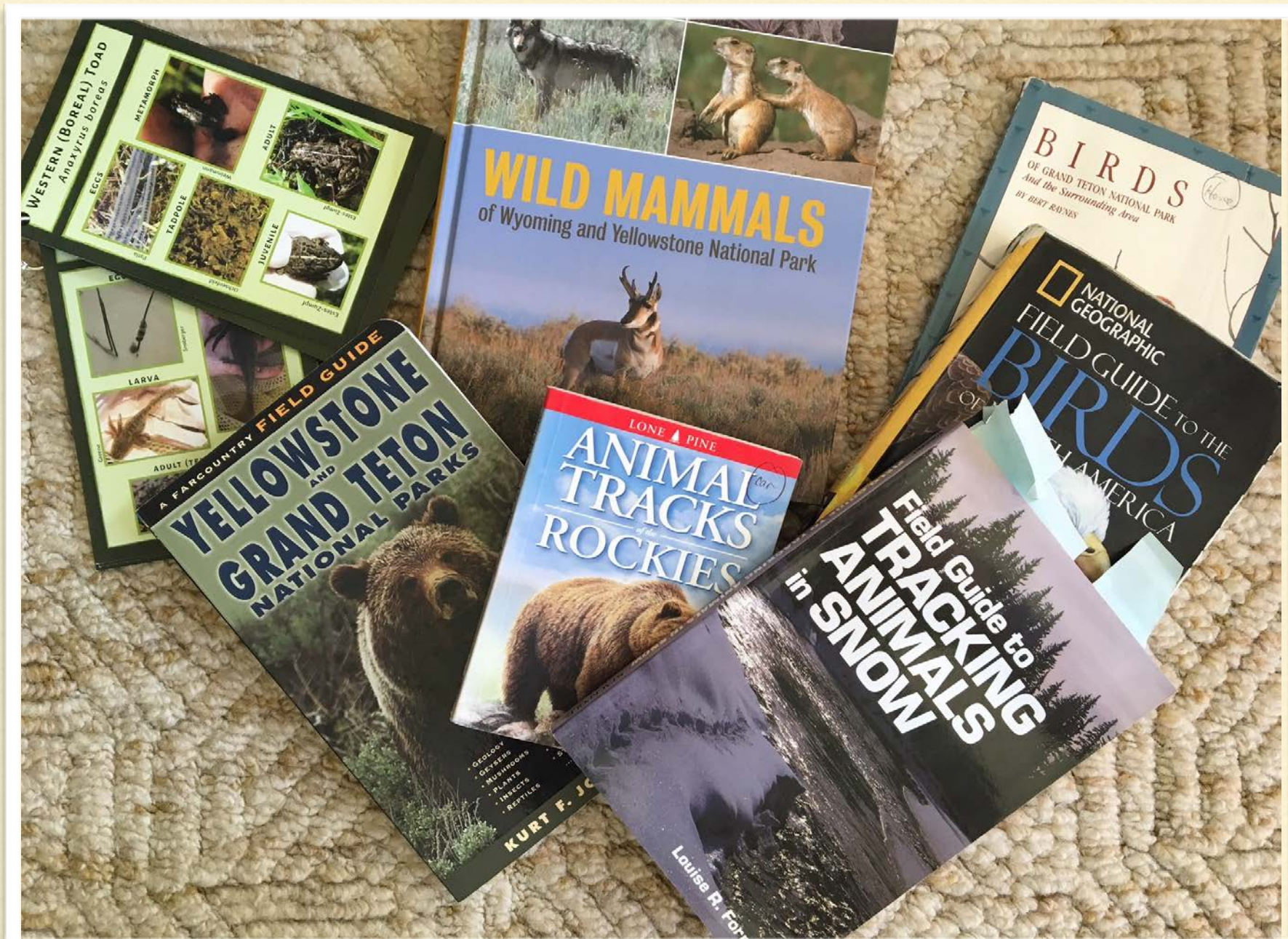
Password


LOGIN


Forgot password?

Username (email address)
and password are case sensitiveIf logging in for the first time, a Verification Code will
be sent to your email

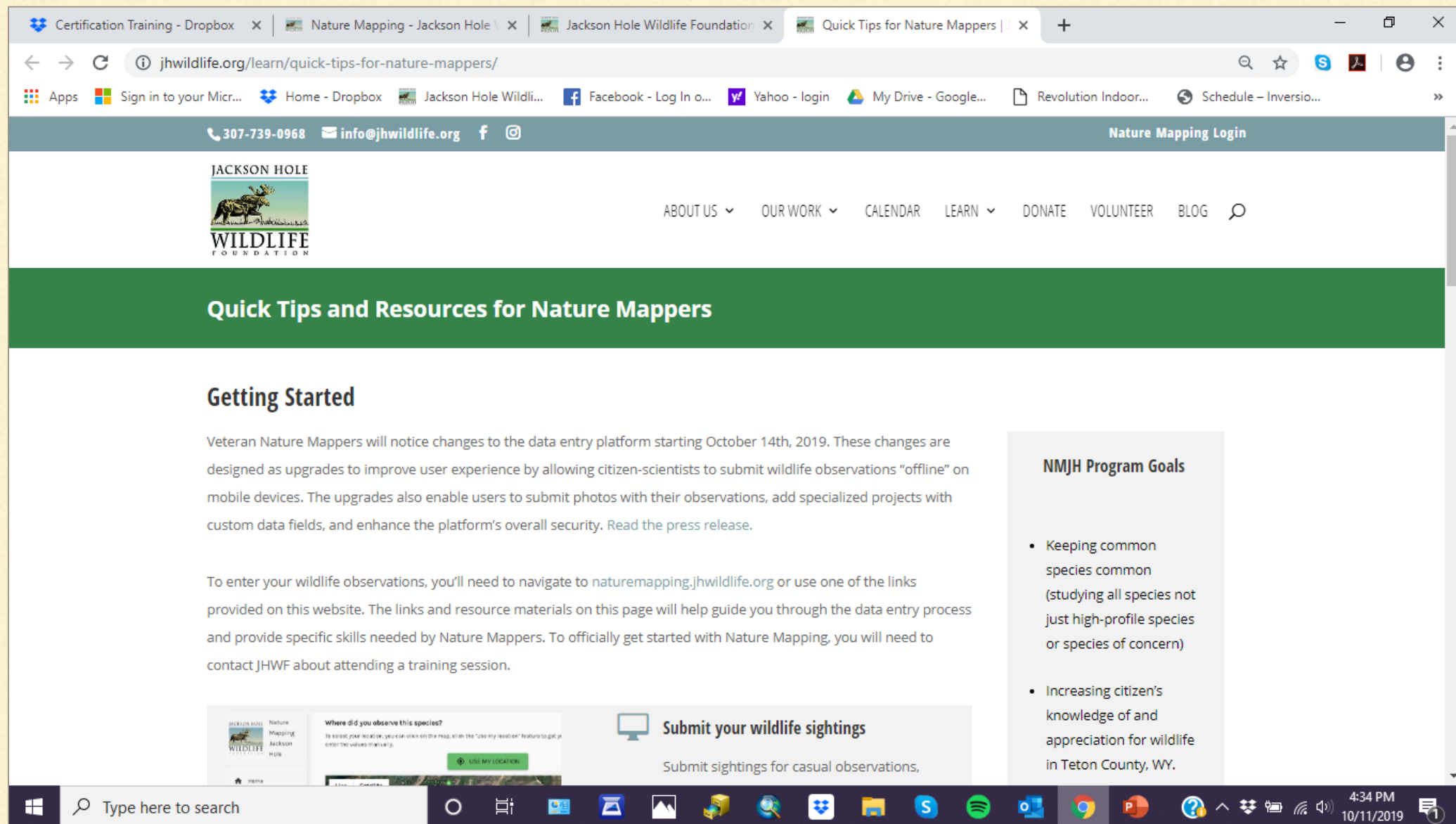
RESOURCES: GUIDE BOOKS



RESOURCES: NMJH E-NEWS



RESOURCES: [JHWILDLIFE.ORG](https://jhwildlife.org/learn/quick-tips-for-nature-mappers/)

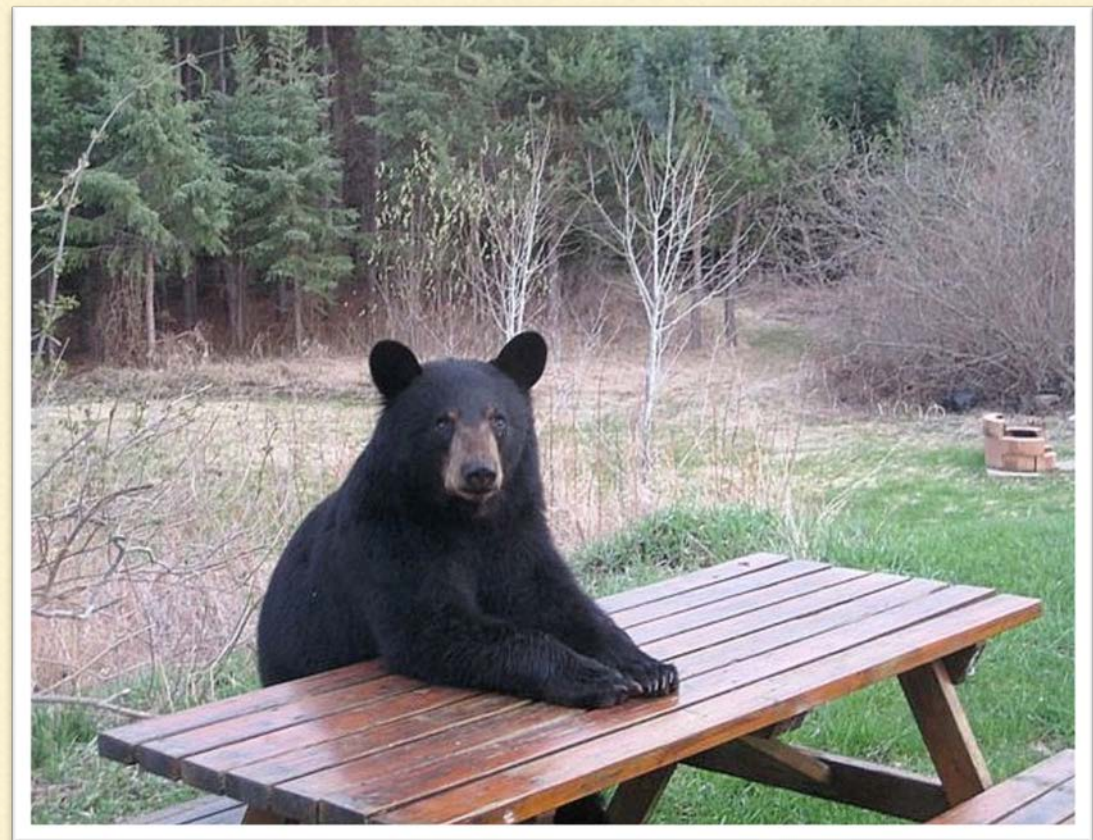


<https://jhwildlife.org/learn/quick-tips-for-nature-mappers/>

RESOURCES: NMJH COMMUNITY



THANK YOU FOR BECOMING CERTIFIED NATURE MAPPERS!



“In every walk with nature one receives far more than he seeks.”

— John Muir
