
NATURE MAPPING JACKSON HOLE

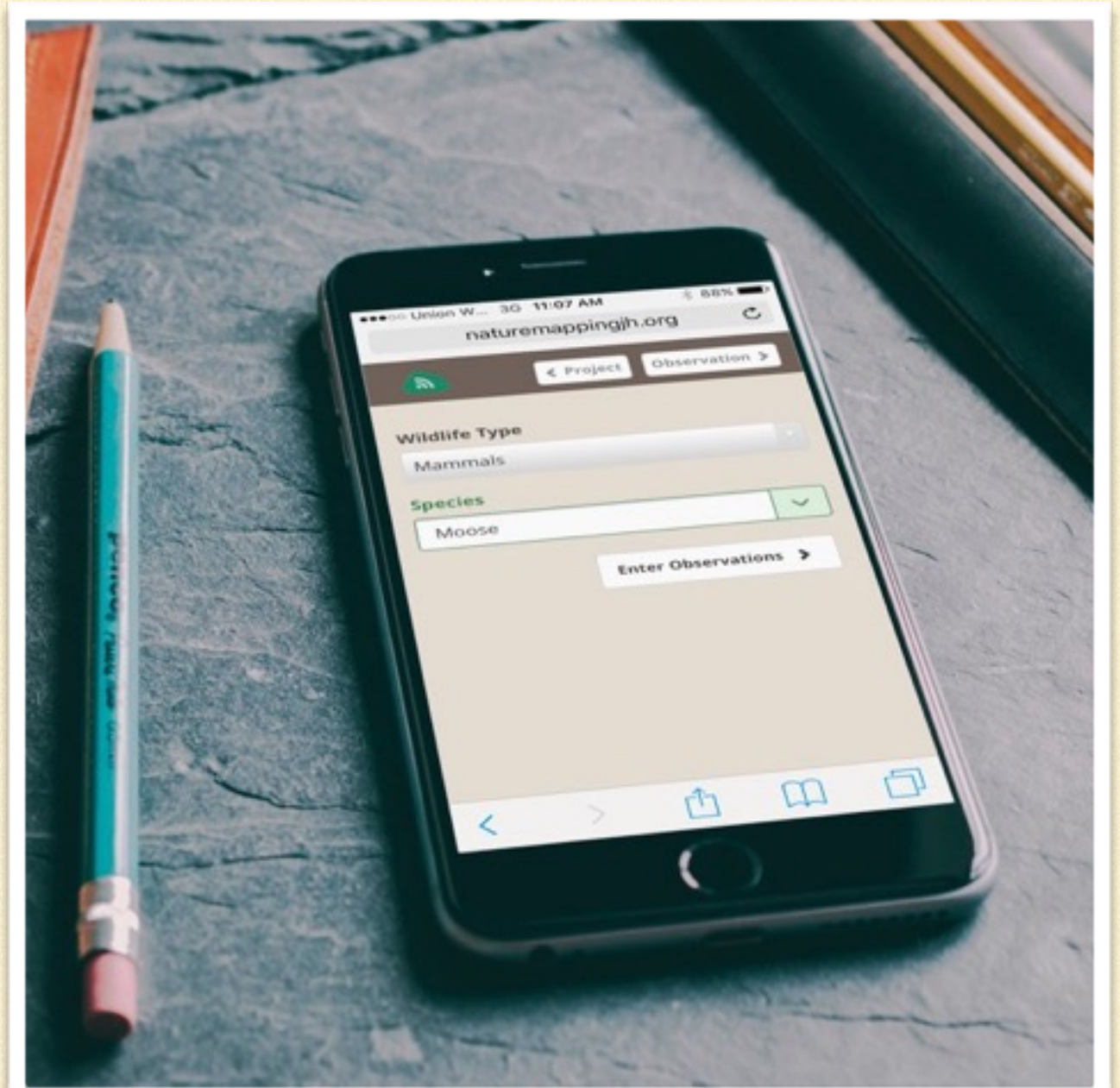
Make your wildlife sightings count!



WELCOME!

Please:

1. Sign in
2. Set up your laptop
3. Sign into Wireless Network: tclib
4. Open the following website:
 - Nature Mapping Website:
jhwildlife.org
5. Introduce yourself to the person next to you 😊



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
- Contribute data to the Wyoming Game & Fish Department's Wildlife Observation System (WOS) to augment state data



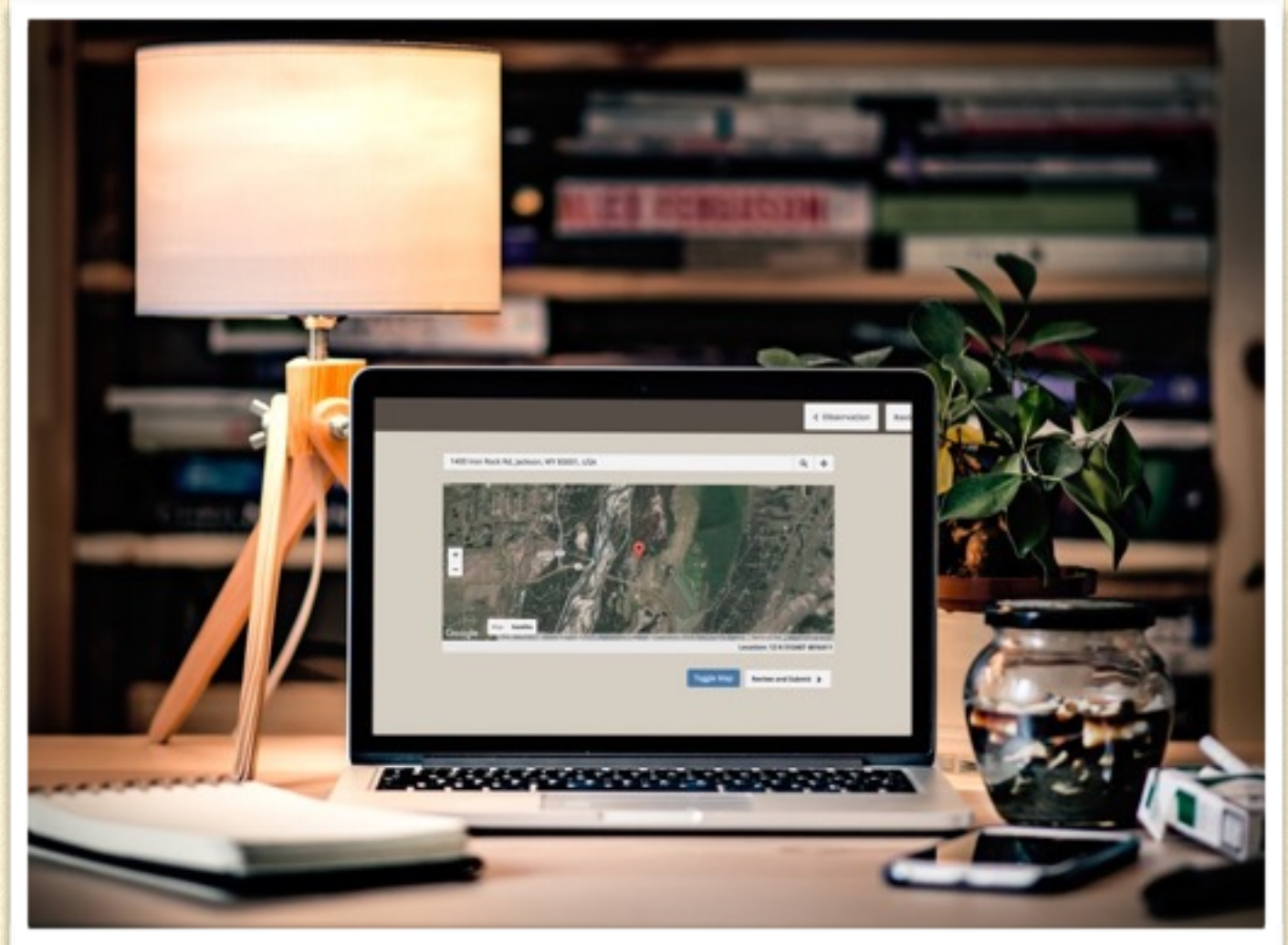
OBJECTIVES:

Understand the importance of accurate observations

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

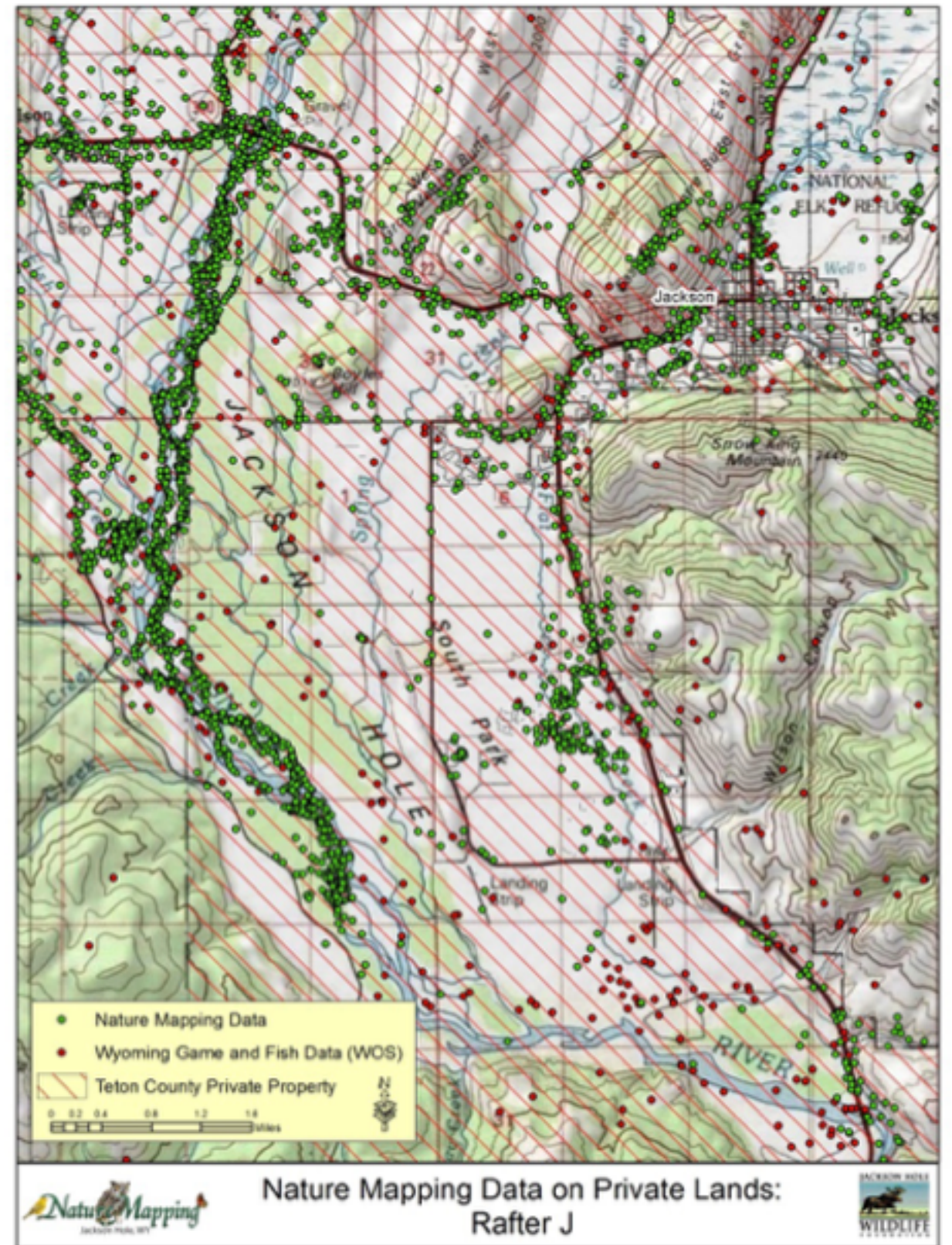
Understand the importance of following protocols

Learn about current projects and future trainings available to trained Nature Mapping Citizen Scientists



DATA USED FOR:

- Wyoming Game and Fish
- County/Town Comp Plan
- Wildlife Crossing Plans
- Radar Sign Placement
- Cornell's eBird
- Focal Species Research
- Proposed Pathways
- County Subdivisions
- 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
- Backyard
- Snake River Float Trip
- Clark's Nutcracker
- Bluebird Nestbox Project
- Moose Day



CASUAL OBSERVATIONS

- Out and about in Teton County, Wyoming
- Most of the observations we map
- Includes roadkill



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 TRIP

- Sunday mornings (June – Sept.)
- Team of Birder and Recorder
- Thanks to A.J. DeRosa
- Thanks to volunteer Tim Griffith who organizes it



CLARK'S NUTCRACKER

- High-elevation tree identification
- Clark's Nutcracker identification by sight AND by sound.
- Comfortable and frequent visitor to the backcountry
- Willing to train a few friends/family members in the project (unlike traditional Nature Mapping, data should be collected in a small group)
- Have access to compass, camera, GPS/GPS phone app capable of recording UTM's



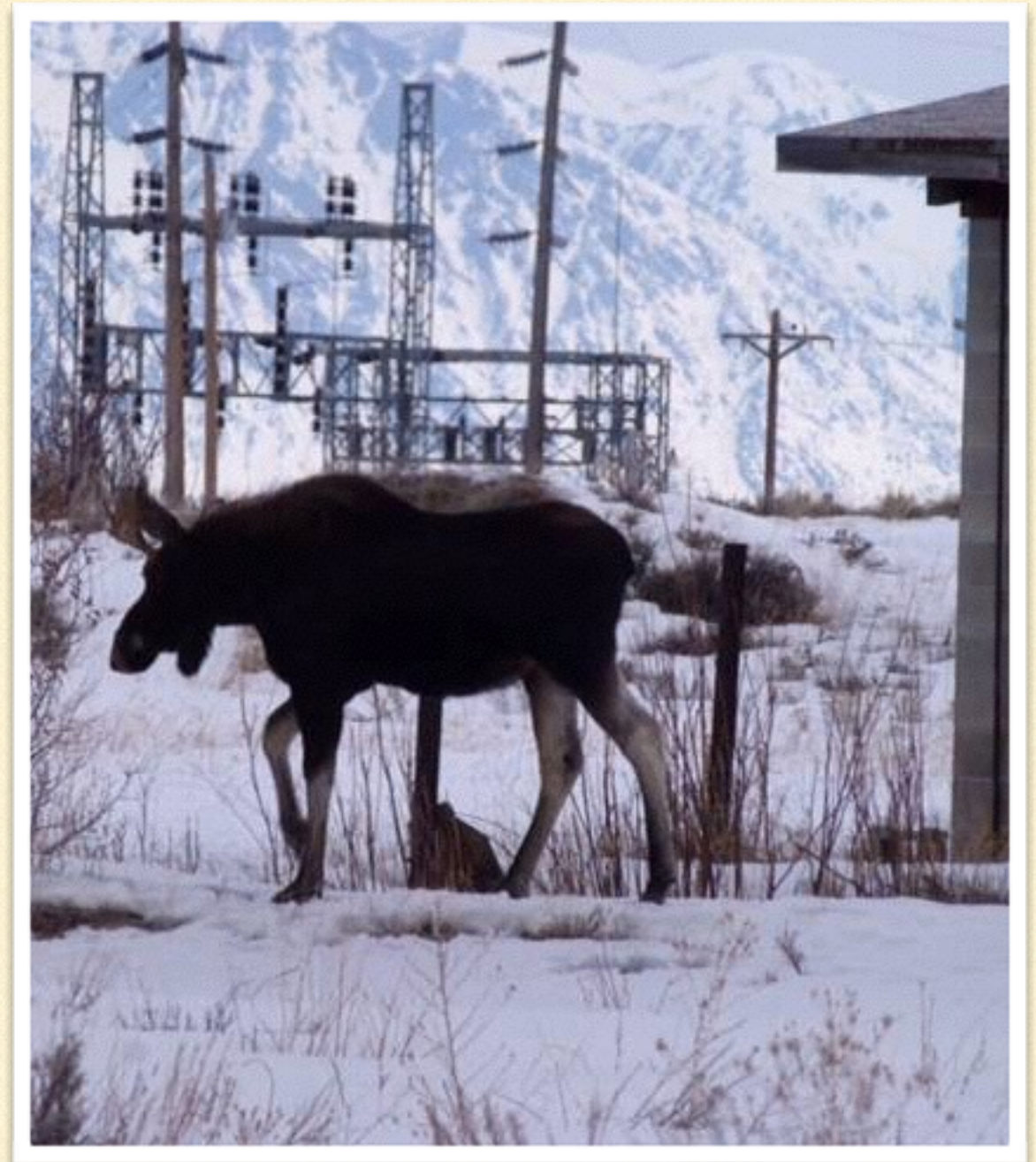
BLUEBIRD NESTBOX

- Mitigate for lost habitat 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 — 104 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)
- Inspired another program





OBSERVATION #1

One American Robin male mapped on Feb. 13th near the National Elk Refuge



ABOUT US ▾

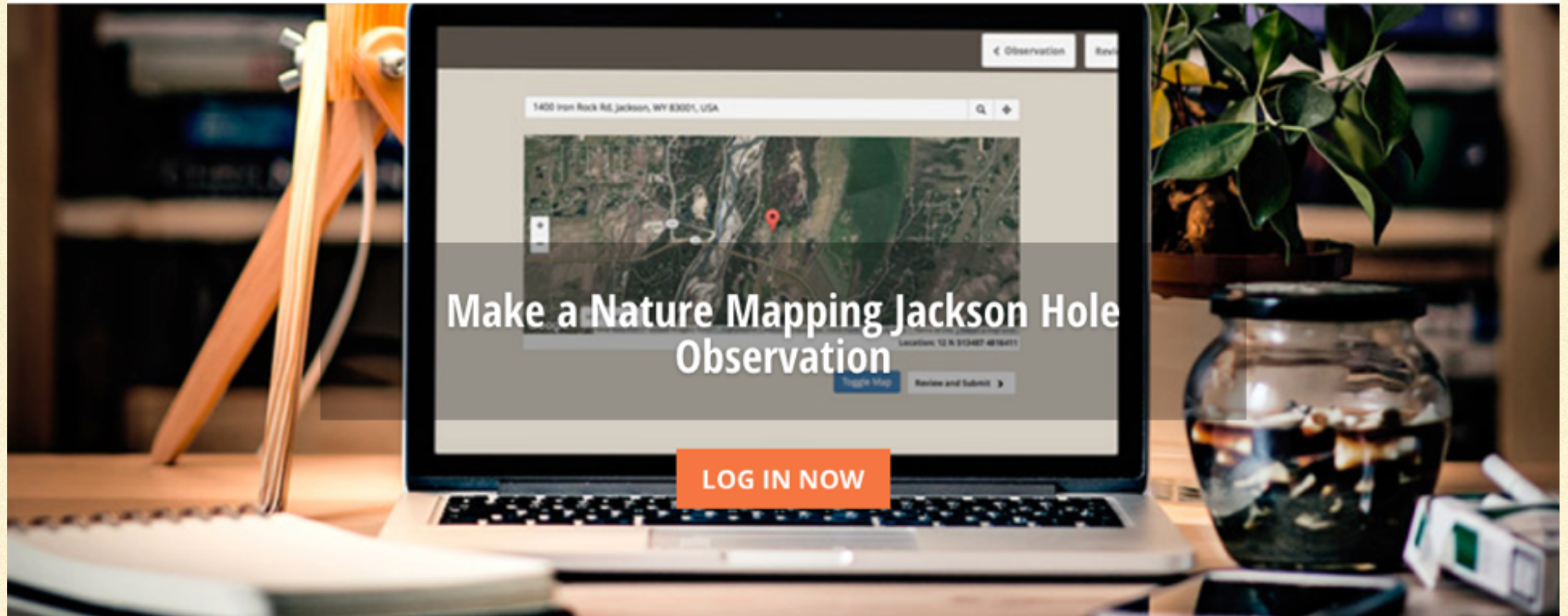
OUR WORK ▾

CALENDAR

LEARN ▾

SUPPORT US ▾

BLOG



Go to jhwildlife.org and use the Nature Mapping Login at the top.
Enter your email and password.



Species >

Project

Casual Observations

Observation Date

2/13/2017


Observation Time

3:10 PM

Observation Notes

Select Species >

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



[< Project](#)[Observation >](#)

Wildlife Type

Birds

Species

Robin, American

Commonality: Occasional in Winter

[Enter Observations >](#)

Tip: The application gives a commonality suggestion to help make sure that this is accurate based on the date.

[< Species](#)[Location >](#)

Robin, American observation.

Sex

Male

Age

Adult

Quantity

1

Activity

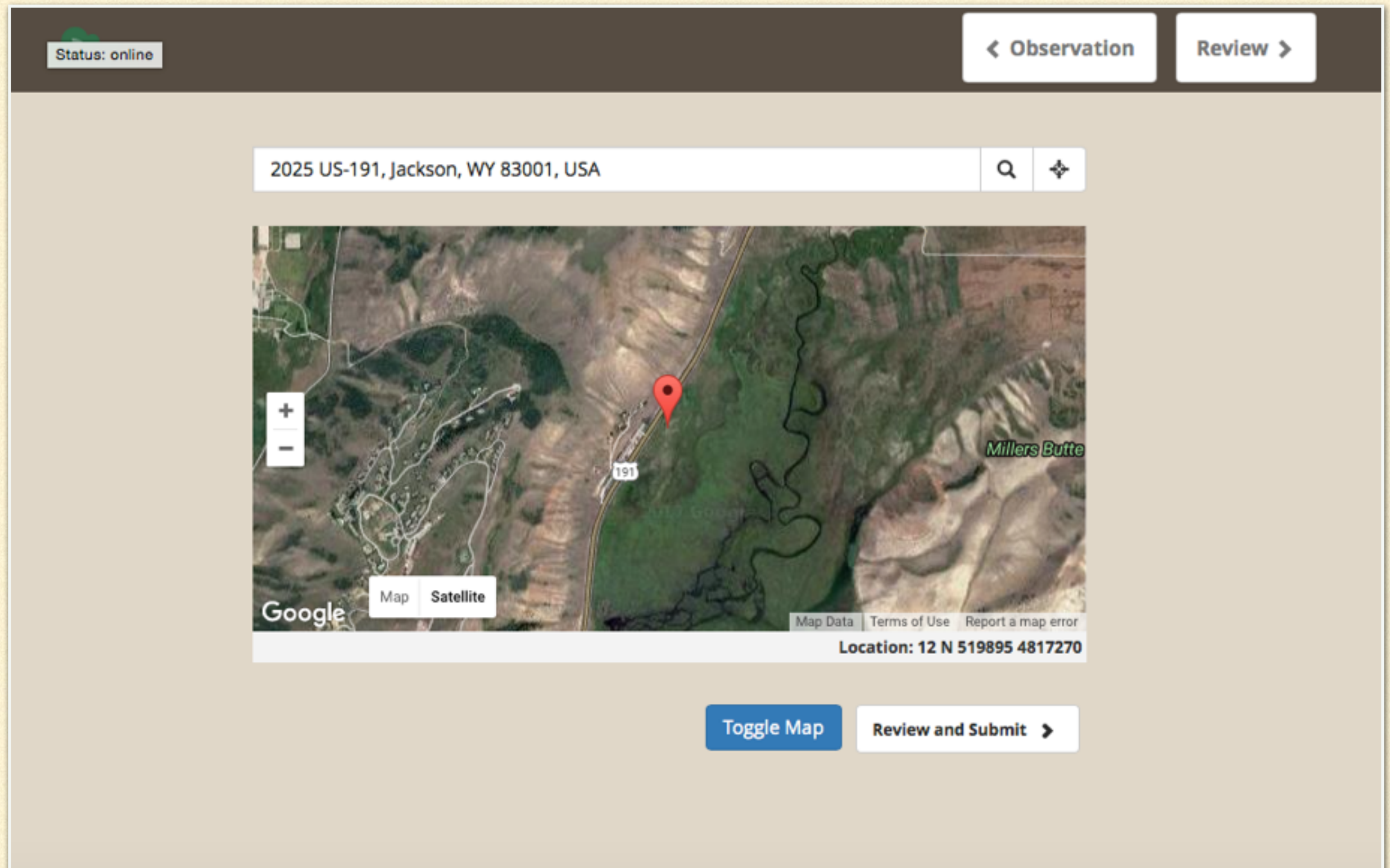
Standing

Mortality

Add Another +

Select Location >

[Clear Form](#)



Tip: Cookies have to be on. Your computer may ask “would like to use current location: ‘don’t allow’ or ‘OK’.”

[< Location](#)[Submit](#)

Robin, American Observation

(Birds)

1 - Adult Unknown Standing

[Edit Observation](#)

Observation Location

2025 US-191, Jackson, WY 83001, USA

12 N 519895 4817270

[Edit Location](#)

Casual Observations Project

Observed on 02-07-2017 at 3:10 PM.

[Edit Notes](#)[Submit](#)

[< Observation](#)

You are currently **online**.



Thank you for submitting your observations!

[Add Another Observation >](#)

Last upload at 02-13-2017 2:48 PM.

[Logout](#)

Congratulations! You have completed Observation #1!



OBSERVATION #2

One Mule Deer adult female with a juvenile mapped near Teton Village in August



Species >

Project

Casual Observations

Observation Date

2/13/2017

Observation Time

3:15 PM

Observation Notes

Select Species >

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



< Project

Observation >

Wildlife Type

Mammals



Species

deer




Deer Mouse

Mule **Deer** (Black-tailed **Deer**)

White-tailed **Deer**

Enter Observations >



+

< Species

Location >

1 Mule Deer (Black-tailed Deer) observation.

1 Adult Female Standing

Sex

Select Wildlife Sex

Age

Select Wildlife Age

Quantity

Quantity

Activity

Select Wildlife Activity

Mortality

Add Another +

Select Location >

Clear Form

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



< Species

Location >

1 Mule Deer (Black-tailed Deer) observation.



1 Adult Female Standing



Sex

Unknown



Age

Juvenile



Quantity

1



Activity

Select Wildlife Activity



Mortality



Add Another +

Select Location >

Clear Form



< Observation

Review >

7780 Lower Granite Ridge Rd, Jackson, WY 83001, USA



Map Data Terms of Use Report a map error

Location: 12 N 514414 4826880

Toggle Map

Review and Submit >

[< Location](#)[Submit](#)

Mule Deer (Black-tailed Deer) Observation

(Mammals)

1 - Adult Female Standing

1 - Juvenile Unknown Standing

[Edit Observation](#)

Observation Location

7780 Lower Granite Ridge Rd, Jackson, WY 83001, USA

12 N 514414 4826880

[Edit Location](#)

Casual Observations Project

Observed on 08-09-2016 at 3:15 PM.

[Edit Notes](#)[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 pattern is unique
- Smaller ears
- 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



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 ID: UNKNOWN

The sex of many species cannot be determined or observed:

- Squirrels
- Swans
- Hawks
- Snakes



SEX ID: BISON MALE VS. FEMALE



Male: Less curved horns



Female: More curved horns

SEX ID: BARROW'S GOLDENEYE



Male

Female

SEX ID: MOOSE MALE



SEX ID: MOOSE FEMALE



SEX ID: PRONGHORN



Male



Female

SEX ID: MOUNTAIN BLUEBIRD



Male



Female

AGE ID: UNKNOWN/MIXED



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

AGE ID: JUVENILES

- Juveniles: Young of the year.
- Usually born after June 1st.
- If don't know = Unknown



AGE ID: YEARLINGS

Yearlings:

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

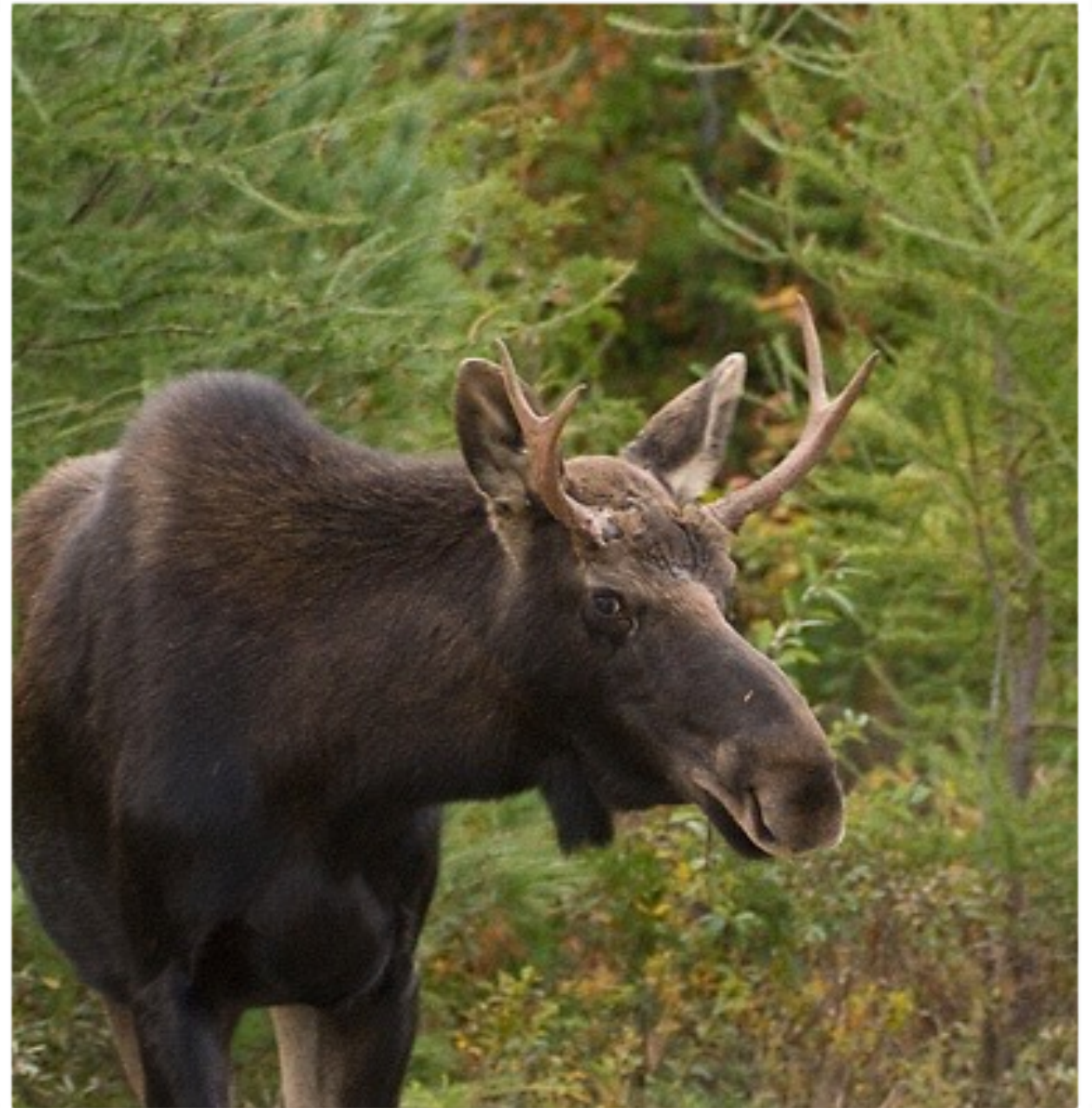


AGE ID: BISON JUVENILE (L) YEARLING (R)



AGE ID: 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 ID: CAN YOU AGE DEER?



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

CAN YOU AGE ID THESE DEER?

- Adult Female
- Two juveniles



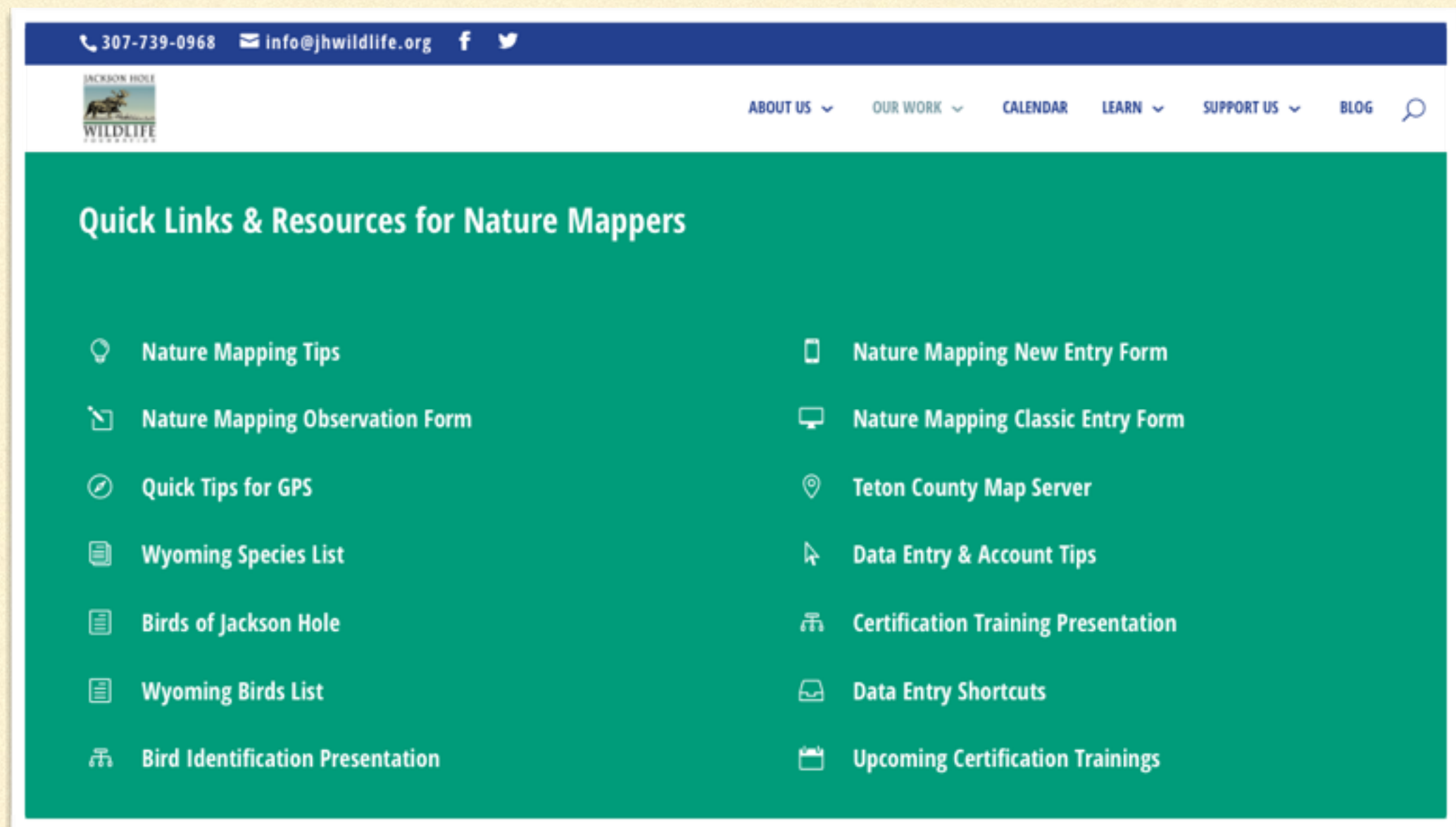
RESOURCES: GUIDE BOOKS



RESOURCES: NMJH E-NEWS



RESOURCES: [JHWILDLIFE.ORG](http://jhwildlife.org)

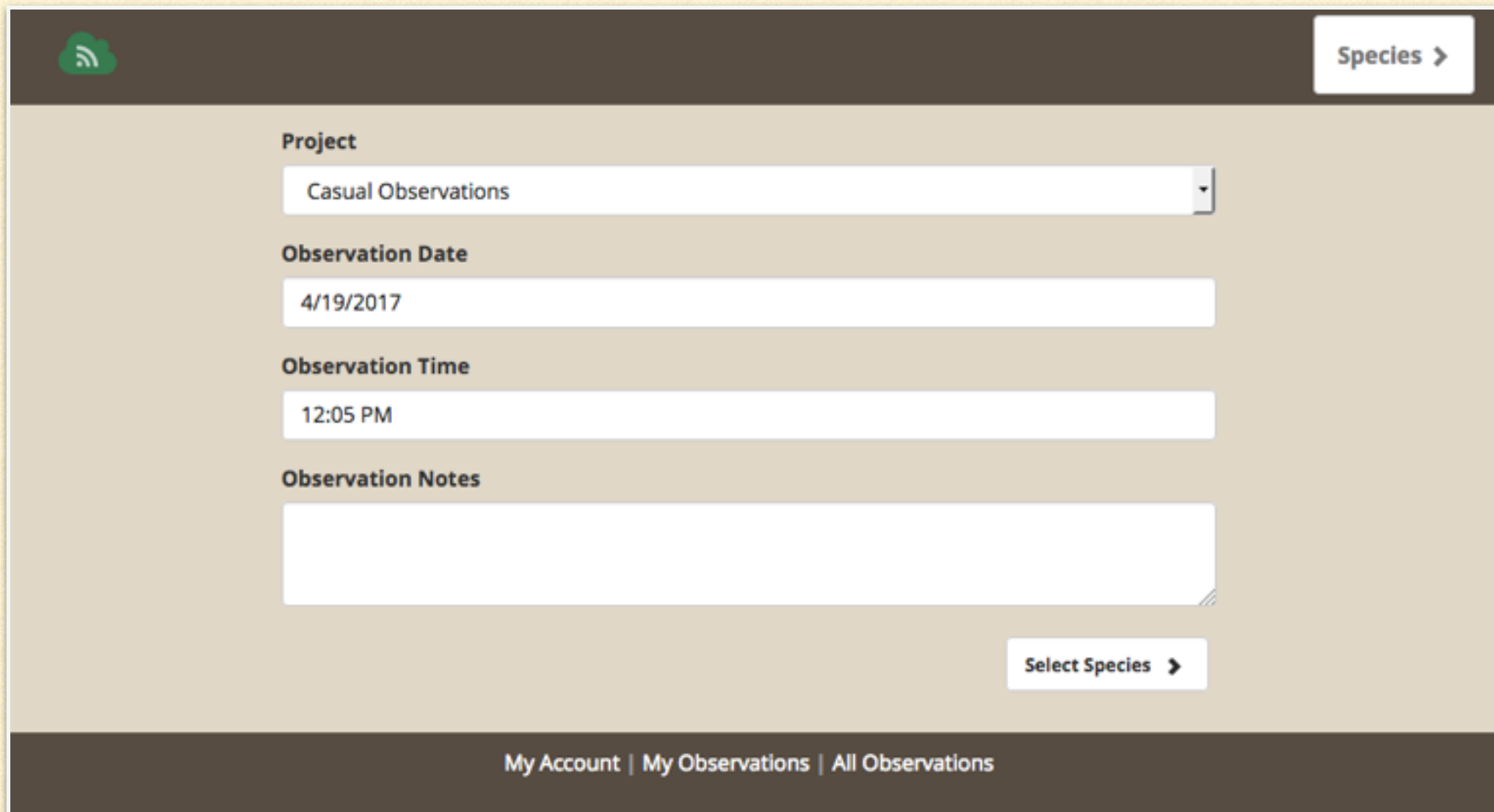


jhwildlife.org/our-work/nature-mapping/#resources

RESOURCES: NMJH COMMUNITY



ACCESS YOUR ACCOUNT



The screenshot shows a web interface for recording observations. At the top left is a green cloud icon with a white signal symbol. At the top right is a button labeled "Species >". The main form area has a light beige background and contains four labeled input fields: "Project" with a dropdown menu showing "Casual Observations", "Observation Date" with a text field showing "4/19/2017", "Observation Time" with a text field showing "12:05 PM", and "Observation Notes" with a large empty text area. At the bottom right of the form is a button labeled "Select Species >". A dark brown footer bar at the very bottom contains the links "My Account | My Observations | All Observations" in white text.

Project
Casual Observations

Observation Date
4/19/2017


Observation Time
12:05 PM

Observation Notes

Select Species >

My Account | My Observations | All Observations

Use the links on the bottom to access your account, your observations, and all observations.



Nature Mapping
Jackson Hole, WY

Welcome: Christine Mychajliw

Entry Form ▾

[Export](#)

ID	Status	Date/Time	Project	Qty	Sex	Age	Species	Activity	Habitat	Comment
49407	N	02/17/17 8:48 AM							Unknown	
49406	N	02/16/17 2:28 PM							Unknown	
49394	N	02/15/17 7:27 AM							Unknown	
49393	N	02/14/17 4:15 PM							Unknown	
49372	N	01/15/17 10:17 AM							Unknown	
49371	N	01/11/17 6:48 PM							Unknown	
49308	N	02/07/17 3:10 PM							Unknown	
49307	N	02/07/17 3:10 PM							Unknown	
49306	N	02/07/17 9:57 AM							Unknown	This
49285	N	02/06/17 7:27 AM							Unknown	Roadkill

K

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1

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>

Observation Editor ✕

ID: 49393

Entered: 02/15/17 08:34

Status:

New ▾

Observer: Christine Mychajliw #527

Project:

Casual Observations ▾

Date/Time:

02/14/17 16:15

Species:

Mammals ▾

Name:

Short-tailed Weasel (Ermine) ▾

Sex:

Unknown ▾

Age:

Adult ▾

Qty:

1

Activity:

Running ▾

Mortality:

▾

UTM X:

510126

Y:

4816489

Zone:

12

Comments:

Update

Delete

Close

Click on the item to open the editor.

Item 1 to 10 of 84

EDIT YOUR OBSERVATION

1. Log in 2. Navigate to 'Entry Form' 3. Click once on the observation you want to edit 4. Edit applicable info in the pop-up window

[Export](#)

- [Entry Form](#)
- [Main Site](#)
- [Entry Form](#)
- [My Account](#)
- [Contact Us](#)
- [Log Out](#)

ID	Status	Date/Time	Project	Qty	Sex	Age	Species	Activity	Habitat	
49407	N	02/17/17 8:48 AM	Casual Observations	1	U	Adult	Mule Deer (Black-tailed Deer)	Walking	Unknown	
49406	N	02/16/17 2:28 PM	Casual Observations	1	U	Unknown/Mixed	Moose	Loafing Resting	Unknown	
49394	N	02/15/17 7:27 AM	Casual Observations	1	U	Adult	Moose	Walking	Unknown	
49393	N	02/14/17 4:15 PM	Casual Observations	1	U	Adult	Short-tailed Weasel (Ermine)	Running	Unknown	
49372	N	01/15/17 10:17 AM	Casual Observations	1	U	Adult	Moose	Walking	Unknown	
49371	N	01/11/17 6:48 PM	Casual Observations	1	U	Adult	Moose	Walking	Unknown	
49308	N	02/07/17 3:10 PM	Casual Observations	1	U	Juvenile	Moose	Feeding	Unknown	
49307	N	02/07/17 3:10 PM	Casual Observations	1	F	Adult	Moose	Feeding	Unknown	
49306	N	02/07/17 9:57 AM	Casual Observations	1	U	Adult	Moose	Feeding	Unknown	This
49285	N	02/06/17 7:27 AM	Casual Observations	1	U	Adult	Mule Deer (Black-tailed Deer)	Undetermined	Unknown	Roadkill

[Add Observation](#)

Click on the item to open the editor.

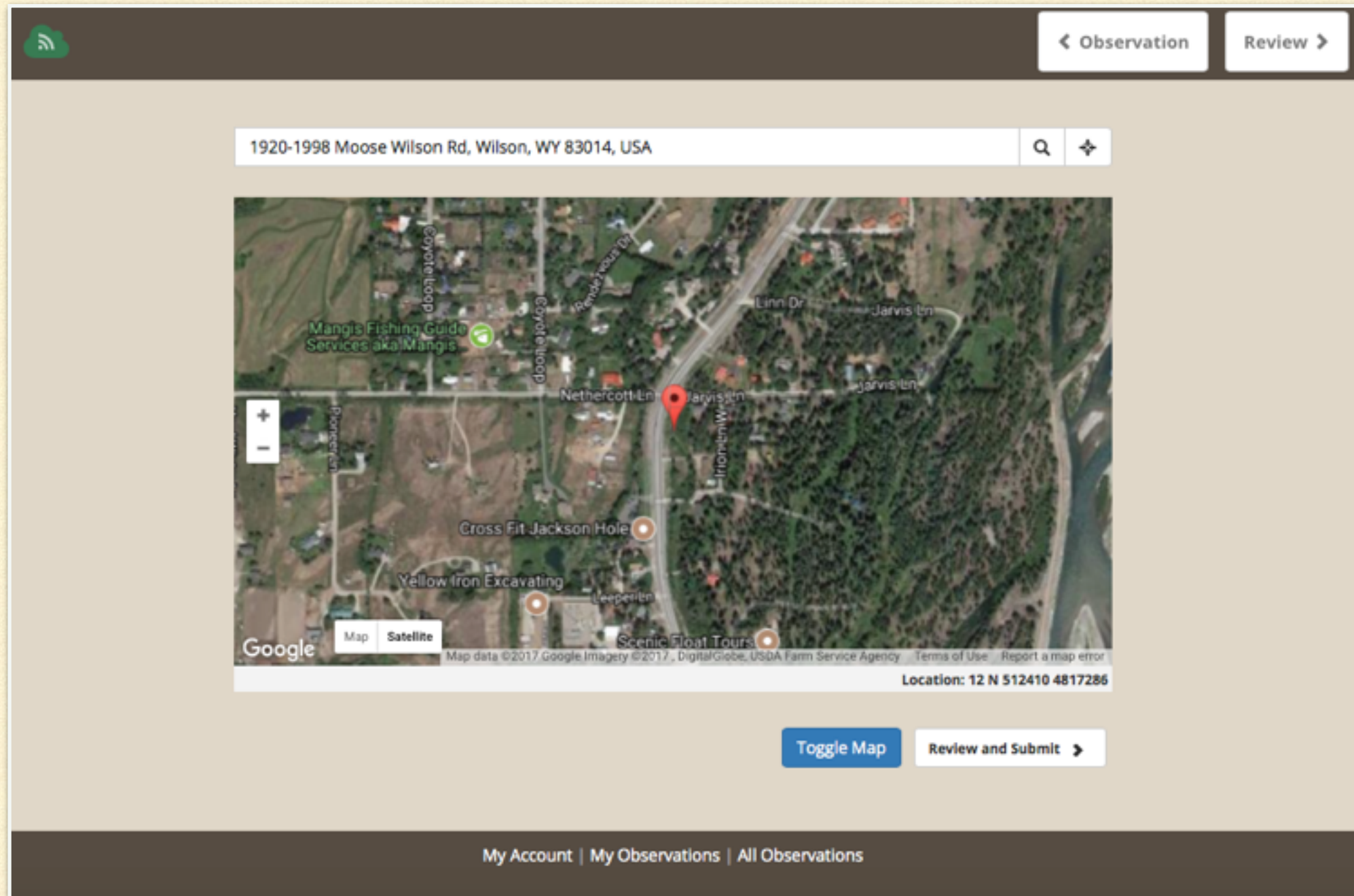
[K](#) [<](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [>](#) [X](#)

Page: [1](#) of 9 [Go](#) Page size: [10](#) [Change](#)

Item 1 to 10 of 85


ADD YOUR HOME UTM'S - 1

To make observations in Project Backyard, adding your home's UTM's auto populates your location. Select 'My Account'.



ADD YOUR HOME UTM'S - 2

1. Go to the map by adding information, such as you would if entering a casual observation 2. Type in your home address 3. Find the x and y coordinates at bottom right



 Welcome: Christine Mychajliw
 Entry Form

ID	Status	Date/Time	Project
49407	N	02/17/17 8:48 AM	Casual Obs
49406	N	02/16/17 2:28 PM	Casual Obs
49394	N	02/15/17 7:27 AM	Casual Obs
49393	N	02/14/17 4:15 PM	Casual Obs
49372	N	01/15/17 10:17 AM	Casual Obs
49371	N	01/11/17 6:48 PM	Casual Obs
49308	N	02/07/17 3:10 PM	Casual Obs
49307	N	02/07/17 3:10 PM	Casual Obs
49306	N	02/07/17 9:57 AM	Casual Obs
49285	N	02/06/17 7:27 AM	Casual Obs
49284	N	02/06/17 7:27 AM	Casual Obs
49283	N	02/05/17 6:27 PM	Casual Obs
49282	N	02/04/17 3:00 PM	Casual Obs
49228	N	02/01/17 5:00 PM	Casual Observations
49155	N	01/27/17 7:00 PM	Casual Observations

User Information

User Info
 Change Password
 Set Defaults

First Name: Christine
 Last Name: Mychajliw
 Address: 1489 N. Old Schoolhouse Lane
 City: Wilson
 State: Wyoming Zip: 83014
 Phone: 307-690-8364
 Cell: 307-690-8364
 Email: christine@jhwildlife.org
 UTM X: 510138 UTM Y:
 Update

Activity	Habitat	Comment
Walking	Unknown	
Roosting Resting	Unknown	
Walking	Unknown	
Running	Unknown	
Walking	Unknown	
Walking	Unknown	
Feeding	Unknown	
Feeding	Unknown	
Feeding	Unknown	This
Undetermined	Unknown	Roadkill
Undetermined	Unknown	Roadkill
Walking	Unknown	
Roosting Resting	Unknown	
Walking	Unknown	
Undetermined	Unknown	Roadkill

Add Observation

Click on the item to open the editor.

K < 1 2 3 4 5 6 > X

Page: 1 of 6 Go Page size: 15 Change

Item 1 to 15 of 85

ADD YOUR HOME UTM'S - 3

Add the UTM x coordinates and UTM y coordinates in the boxes and click ‘Update’.



TEST OBSERVATION #1

Date: August 25, 2015, Time: 5:00 PM Location: Antelope Flats



TEST OBSERVATION #2

Date: April 30, 2017, Time: 8:15 AM, east of Kelly Warm Springs

THANK YOU FOR BECOMING CERTIFIED NATURE MAPPERS!



“The great thing about citizen science is that it
increases everyone’s knowledge.”

—*Sue Mortensen*
