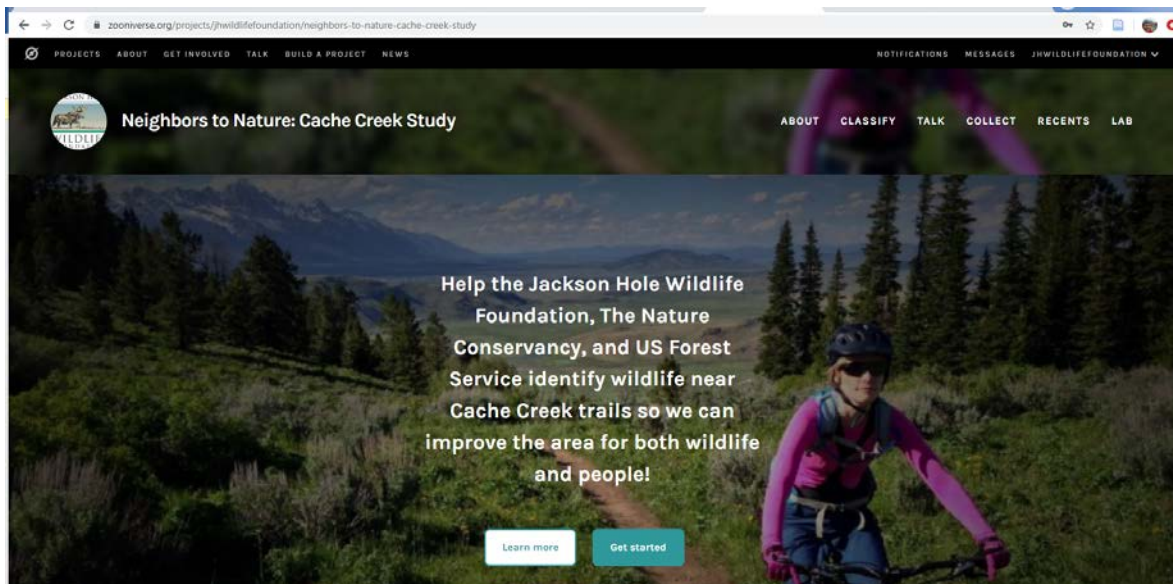# Neighbors to Nature: Cache Creek Study

Zooniverse Tutorial, Spring 2020

Trevor Bloom[1], Courtney Larson[1], Kate Gersh[2] and Kyle Kissock[2]
1. The Nature Conservancy, Wyoming
2. Jackson Hole Wildlife Foundation

Ground Rules

1) This is a private project, and a private invitation to you, which means that we ask you to not share the URL for this project or photos from this project with anyone who is not directly involved with Nature Mapping Jackson Hole, Friends of Pathways or The Nature Conservancy's Wyoming Office.

2) This project contains sensitive information. You cannot screenshot or save any photos, especially of humans or wildlife.

3) You cannot classify photos from any project in Zooniverse, besides the Neighbors to Nature: Cache Creek Study project with this Login ID.

4) You recognize this imagery will be used for scientific study, and that you did your best to accurately classify every photo to the best of your ability.

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Welcome to the Neighbors to Nature: Cache Creek Study and thank you for your participation as a citizen scientist on this exciting research project. Read and follow the steps below to ensure accurate observations, and please take note of any questions or comments for us to improve this field guide over time. Your participation is key to the success of this project and the conservation of the Greater Cache Creek area!

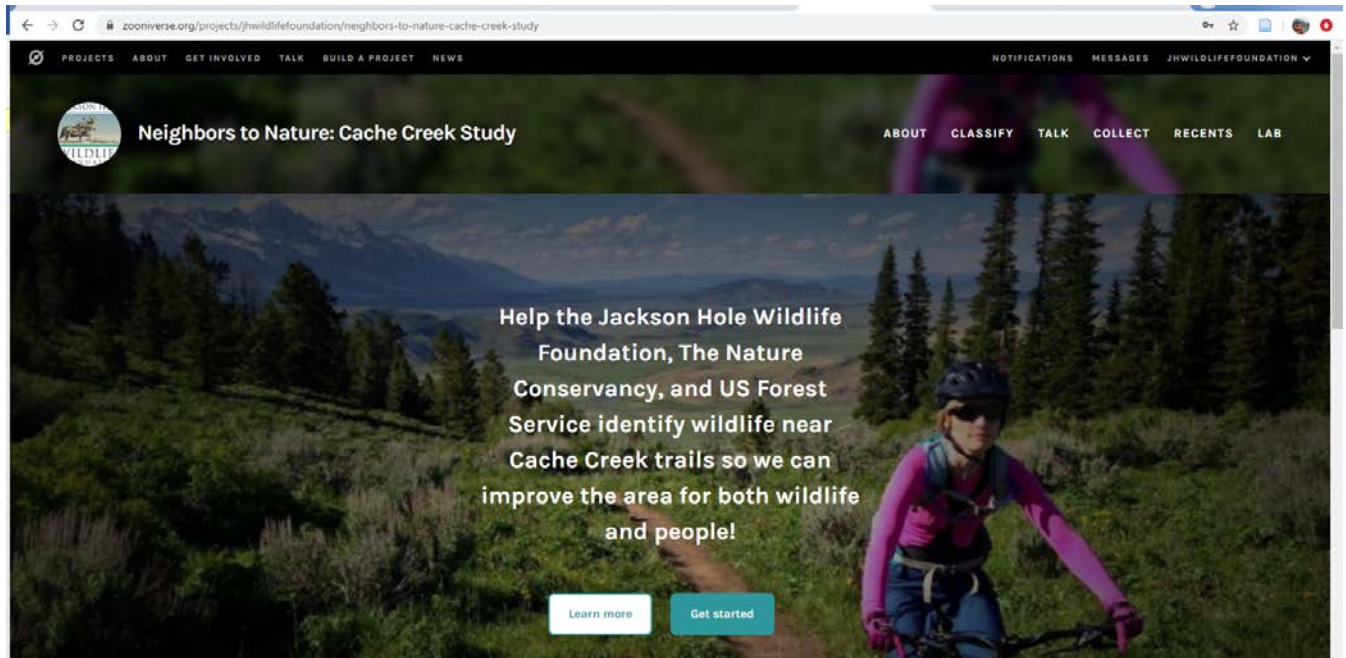1) First Step: go to homepage and **Register**
   https://www.zooniverse.org/projects/jhwildlifefoundation/neighbors-to-nature-cache-creek-study
   a. Click Register on the top right of the page
   b. Enter a new username and password

2) Click **Get Started:** on the Neighbors to Nature Homepage

3) **Begin Classifying**: this is the most important part, so please follow all instructions precisely

    a. Click CLASSIFY on the top right corner of the screen, or if you get lost go to the URL:

https://www.zooniverse.org/projects/jhwildlifefoundation/neighbors-to-nature-cache-creek-study

    b. An image will be displayed on the screen – these images are taken in a series so make sure you scroll or video through the entire series of photos- there are usually 3-5 in a series and up to 10+. You will make a single observation for the entire series. To scroll either click the PLAY ▶ icon on the bottom left of the image to play the series as a video or click on circles below the image to see each one individually. For example:

c. Image 1:
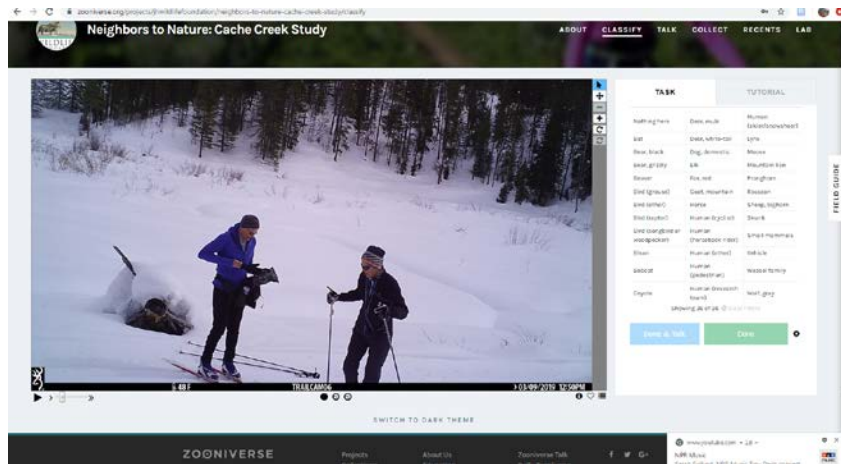
d. Image 2:
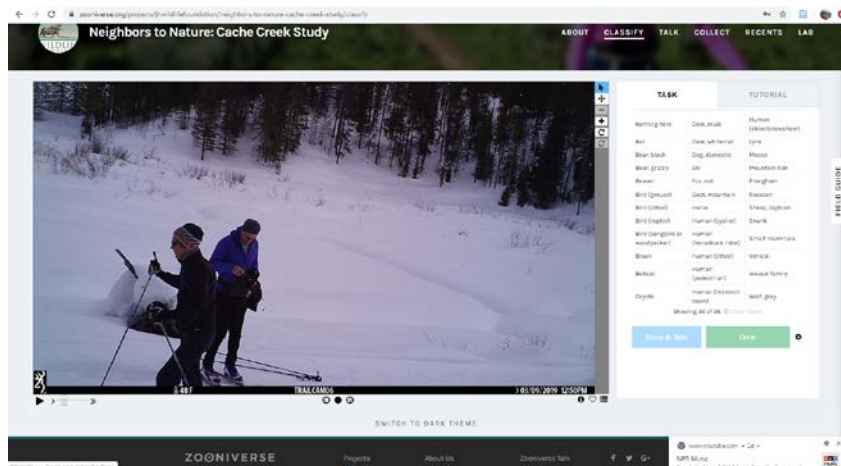
e. Image 3:

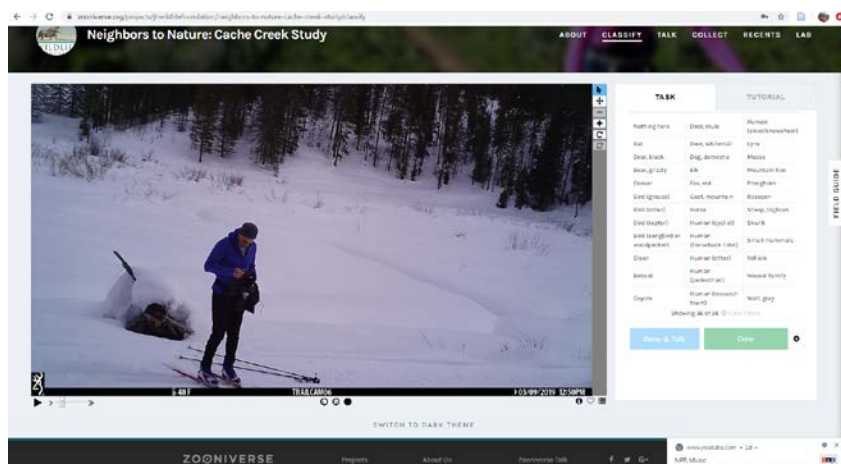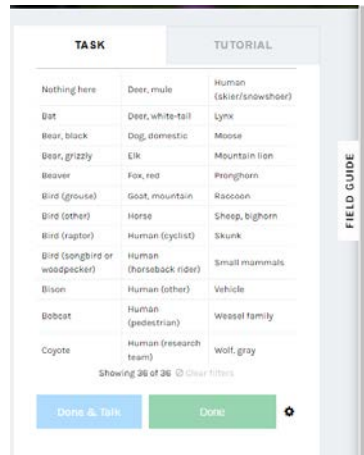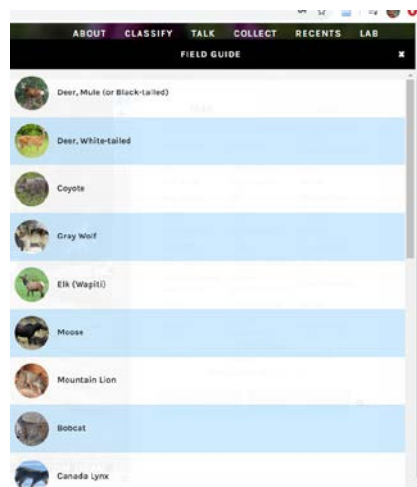f.   Remember: you need to select ALL the wildlife and humans in the series of images, not just the first one you see. You can select one or multiple of the following options,
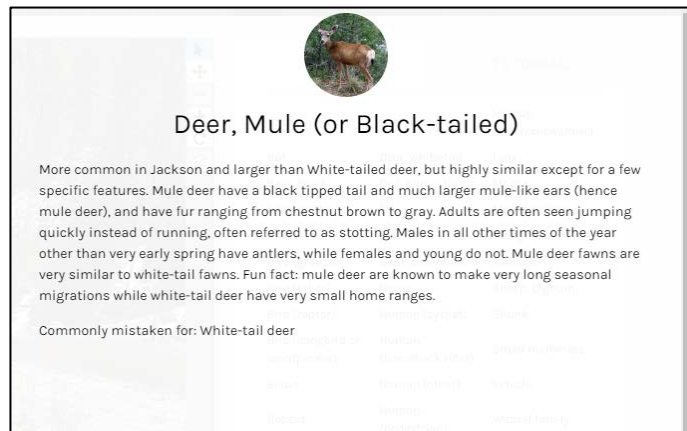

g.

h.   If you have questions about the identification, click FIELD GUIDE on the right-side bar, and click any of the categories to find out more.
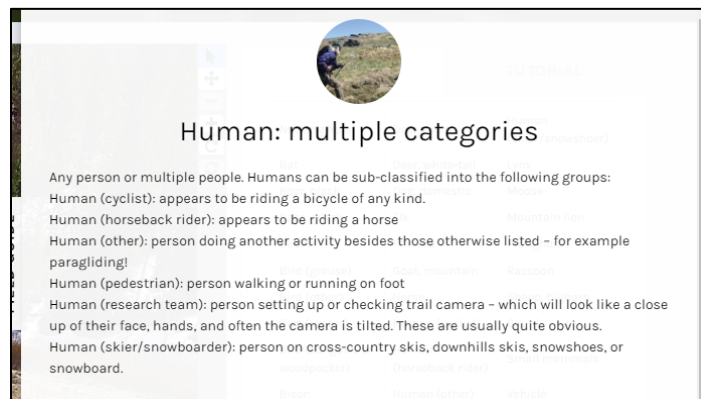

i.

Deer, Mule (or Black-tailed)

More common in Jackson and larger than White-tailed deer, but highly similar except for a few specific features. Mule deer have a black tipped tail and much larger mule-like ears (hence mule deer), and have fur ranging from chestnut brown to gray. Adults are often seen jumping quickly instead of running, often referred to as stotting. Males in all other times of the year other than very early spring have antlers, while females and young do not. Mule deer fawns are very similar to white-tail fawns. Fun fact: mule deer are known to make very long seasonal migrations while white-tail deer have very small home ranges.

Commonly mistaken for: White-tail deer

j.   For Example:

k.   Or in this example, Humans:

Human: multiple categories

Any person or multiple people. Humans can be sub-classified into the following groups:
Human (cyclist): appears to be riding a bicycle of any kind.
Human (horseback rider): appears to be riding a horse
Human (other): person doing another activity besides those otherwise listed – for example paragliding!
Human (pedestrian): person walking or running on foot
Human (research team): person setting up or checking trail camera – which will look like a close up of their face, hands, and often the camera is tilted. These are usually quite obvious.
Human (skier/snowboarder): person on cross-country skis, downhills skis, snowshoes, or snowboard.

l.   Now back to the series of images above…close out of the Field Guide

m. For this series select Human (skier/snowboarder) and then it will ask HOW MANY. Because you saw a total of two people in the series, click 2 and then IDENTIFY

n.   The identification will now appear as a blue text box on the bottom left of the image, where you could delete by clicking the X if you made a mistake
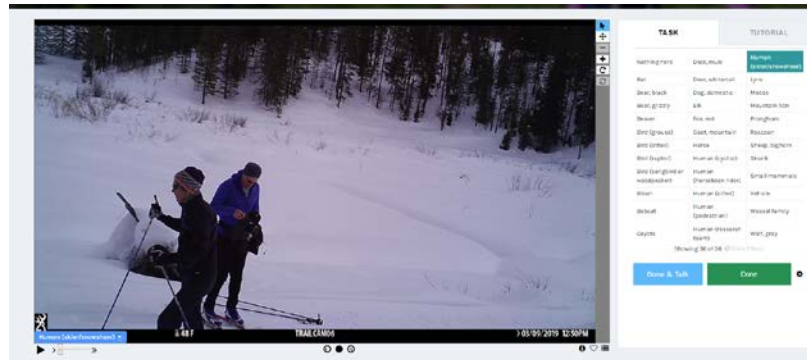
o.

p. Now double check your identification and make sure there are no others to make, then once you are certain…

q. **Click DONE**

r. **This will take you to another series of images**

4) **NOTHING HERE:** The most common images you will likely encounter will not contain any wildlife or humans, as the cameras are often triggered by wind, rain, snow or blowing vegetation.

   a. **First, watch the entire series of images, and if there is nothing there, simply select NOTHING HERE, then IDENTIFY, and then once you double check: DONE**

   b. A Classic example of **NOTHING HERE:**
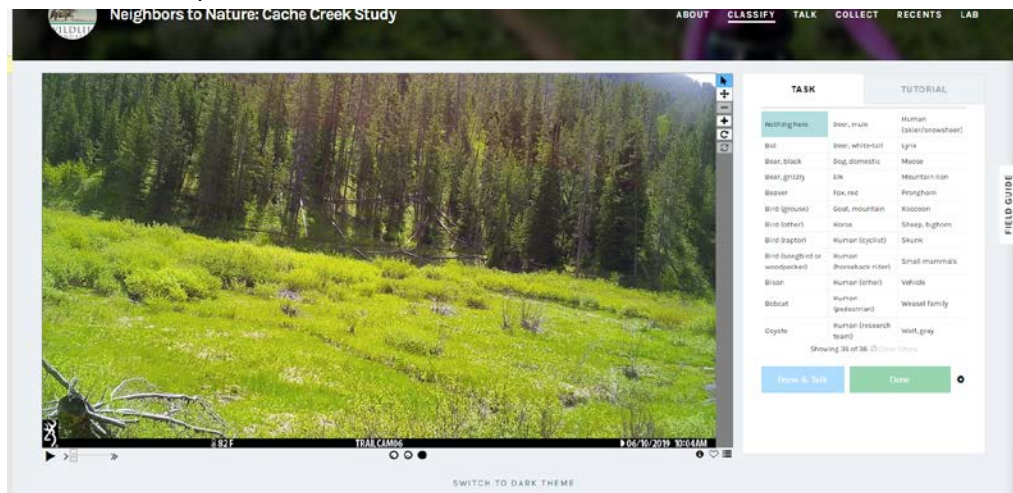
   c.

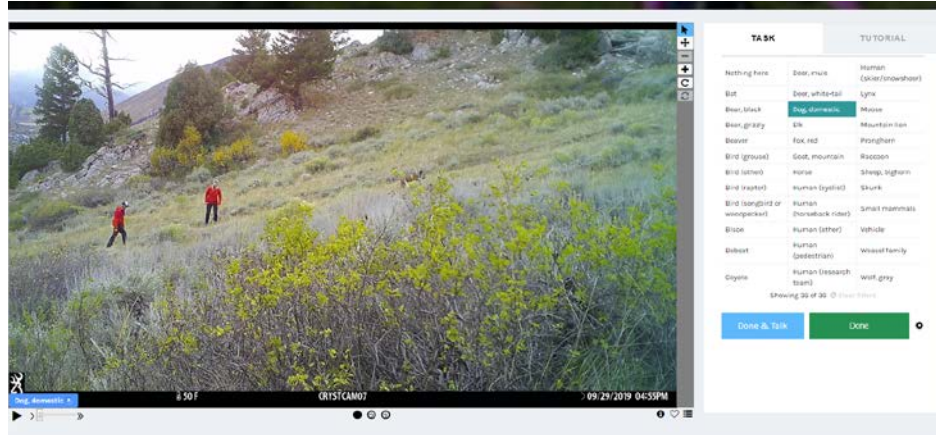5) **Multiple Wildlife or Humans in images**

   a. Many photo series may contain more than one category of observations. It is your job to classify every category in each photo series.

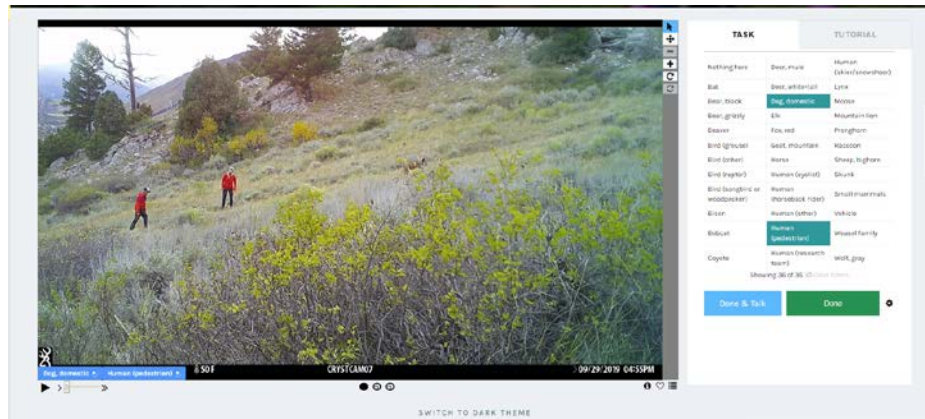   b. For example, the photo series below contains two Humans (pedestrian) and one Dog, domestic:
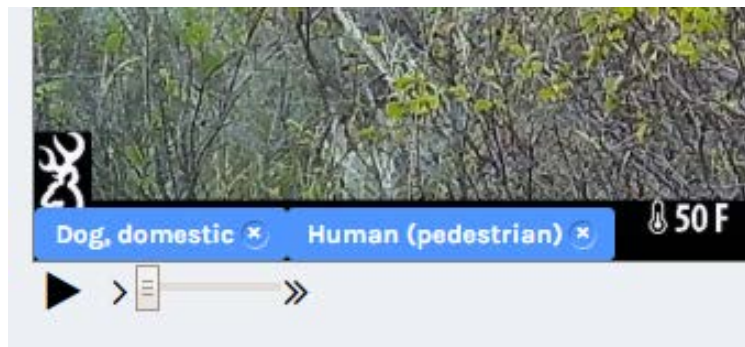
   c.

d. So first select Dog, domestic, how many 1, and click Identify

e. Then select Human (pedestrian), How Many – 2, and Identify

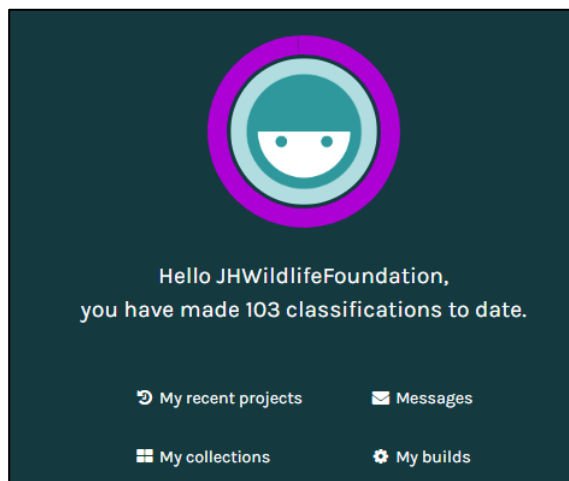f. You will now see two classifications as blue text boxes at the bottom of the image
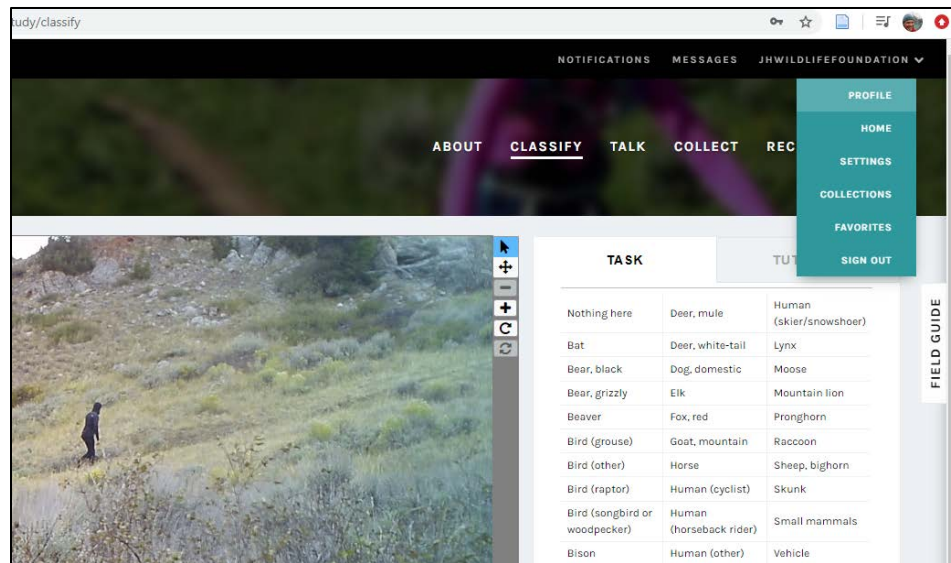

g. Verify that you have identified all the Humans and Wildlife categories in the image and then select DONE

Checking your STATS

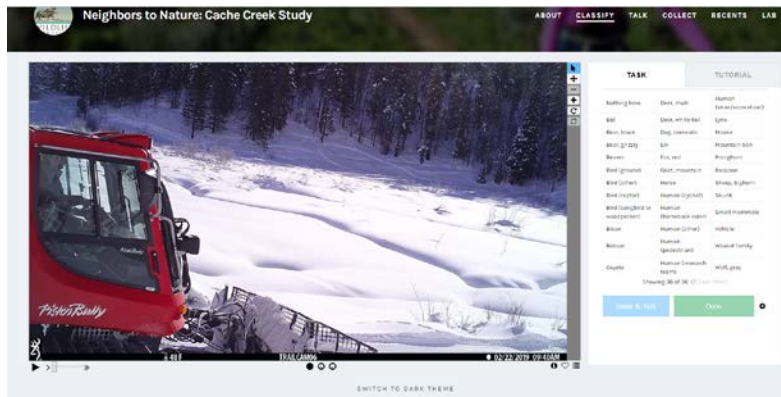h. Click on your username on the upper right corner of the screen, and click PROFILE:

i. Select Your STATS:

j. With the above example, 103 classifications have been made to date by the "JHWildlifeFoundation" user account.

6) **Challenging Examples**

   a. You will likely find some photos in which you are unsure what category to select. This is normal, and please do your best to select the most accurate response. <u>REMEMBER:</u> there is no "Not Sure" category, so you must take a best guess. Here are some challenging examples and the best answer to review.

Human (cyclist)...yes in winter!

Domestic Dog with how many people? This is a tricky one, but we would say two (2) people as there is obviously someone attached to that leash. You could put one Human (skier/snowboarder) and one Human (other) for the mystery person attached to the dog!

Vehicle – Note, this is the groomer for the Game Creek Trail during winter.

Great job, thank you for the help and have fun vetting game camera imagery for Neighbors to Nature!

For questions regarding Neighbors to Nature: Cache Creek Study please contact:

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