South Pasture Camera Trapping

Record the data on the data sheets (or Excel spreadsheet) using the camera trap photos from South Pasture. For the purposes of this assignment, we are going to pretend that the two cameras are at different locations observing different animals. Use the notes on the next page to help you fill out the data sheets. You may work in teams of two people to record the data.

1. Record the data for all photos from Camera 1 and Camera 2 (use printouts of the blank data sheets or enter it into the provided Excel file).
2. What is the species richness for Camera 1? List the species documented by Camera 1.
3. What is the species richness for Camera 2? List the species documented by Camera 2.
4. Are you able to determine any trends for this data? If not, why not?
5. What would you need to know about the individual animals in order to calculate a Shannon Wiener Index from each camera?

Category descriptions for camera information:

GPS Coordinate format	27.XXXXXX, -97.XXXXXX
Survey effort	Number of days the trap was active
Site habitat type	Categorize the habitat type: bottomland forest, coastal wetland,
Mounting type	How the camera was mounted - fence post, tree, stake, etc.
Mount height	How high was the camera mounted from the ground in centimeters?
Orientation	Was the camera facing parallel to the ground or perpendicular to the ground (photographing the ground below the camera)?
Target group	Target species or group that you want to document
Camera view	Description of what the camera is pointing to: clearing or canopy opening, wetland, scent station with description of type of bait, natural or animal made trail, etc.
Other notes	Any other notes that are important to know about the site or the camera setup

Instructions for entering data on Camera 1 and 2 spreadsheets:

Photo # (page or slide#)	Enter the PDF page # or the PowerPoint slide number to represent the photo #; document the blank photos too
Date	You can enter it in US format with dashes, slashes, or months spelled out (MM/DD/YY) and the spreadsheet will convert it to international date format (DD Mon Year)
Time	You can enter it in US format (##:## am or pm) and the spreadsheet will convert it to international hundred hours format (24:00)
Species	Enter the common name, species name, or a code for the species name of the animal seen in the photo. If you use a code, include a code key. If more than one species is seen, add the 2nd species on the next line, 3rd species on the 3rd line, etc. (do not count humans in the species list).
# individuals	Number of individual animals you can see in the photo
# females	Number of individual female animals you can see in the photo. If you cannot identify the sex of the animal(s), leave this blank
female characteristic	List the trait or traits that you used to determine that this was a female
# males	Number of individual male animals you can see in the photo. If you cannot identify the sex of the animal(s), leave this blank
male characteristic	List the trait or traits that you used to determine that this was a male
# young	Number of individual young or juvenile animals you can see in the photo.
young characteristic	List the trait or traits that you used to determine that this was a young or juvenile animal.
behavior observation	List any behavior observations of note: foraging, fighting, nursing, running, resting, alert, etc.
Other notes	Optional: Any other notes that you think are interesting or that should be documented for the photo. If you can tell this individual apart from another individual using a natural or other mark seen in the photo, then give this animal a unique ID name/code & describe the mark you were able to detect.