



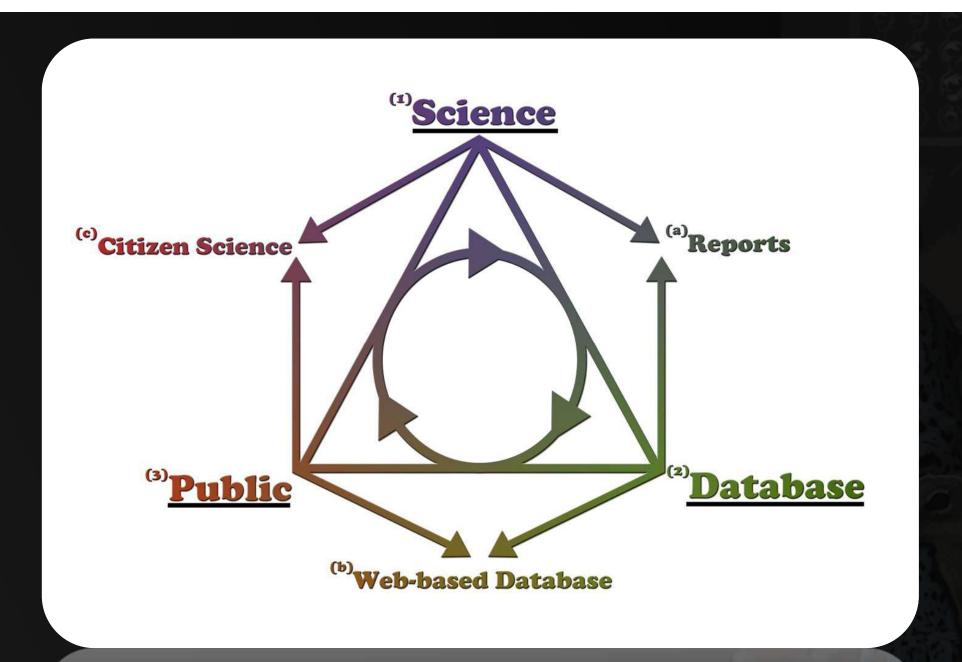
- Only as good as the study design
- The size of the data sets
- Difficulty of finding specific photos
- Quality control
  - correct identification
  - correct location, etc.
- Difficulty of sharing data



# See the End Before You Start

- Starts with the study design
- Understanding the cost and benefits to camera selection, study design, and study duration
- Predict how one decision affects other aspects of the study
  - Burst mode creates more photos, takes more time to edit, more storage
  - 1:1 ratio

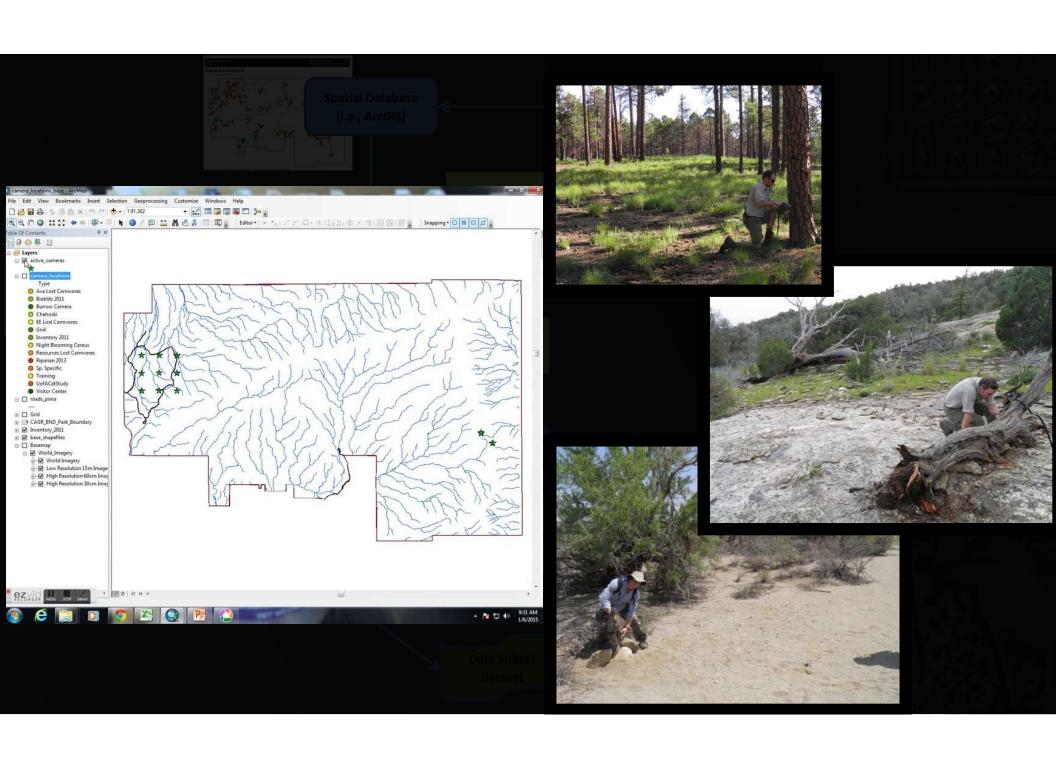


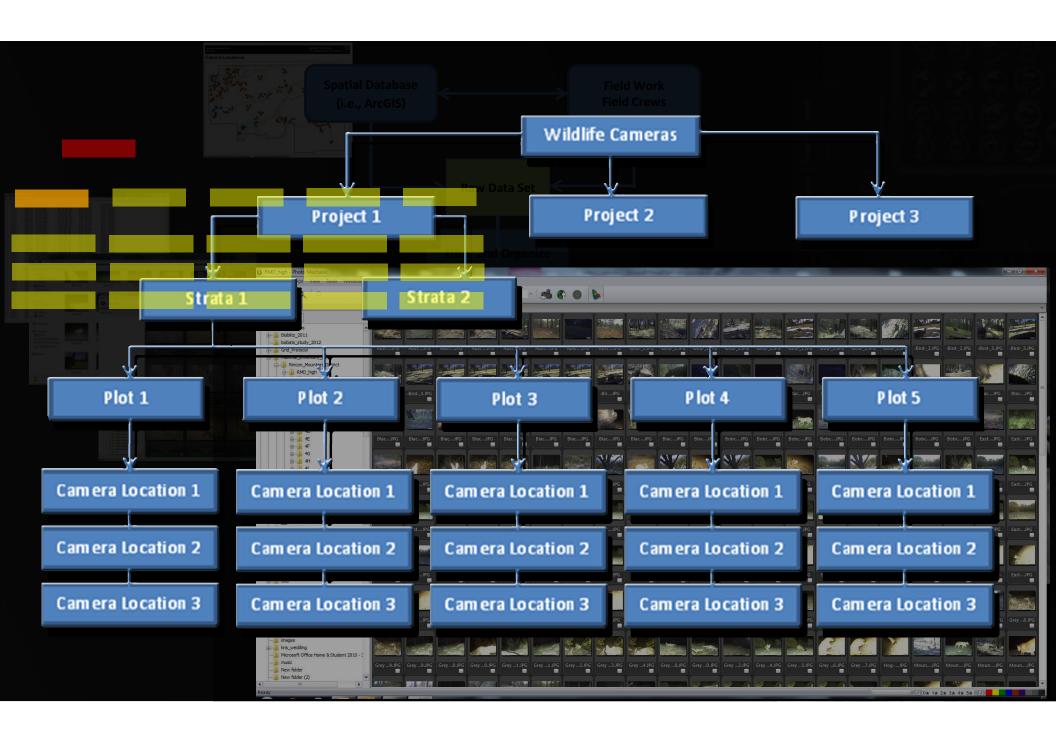


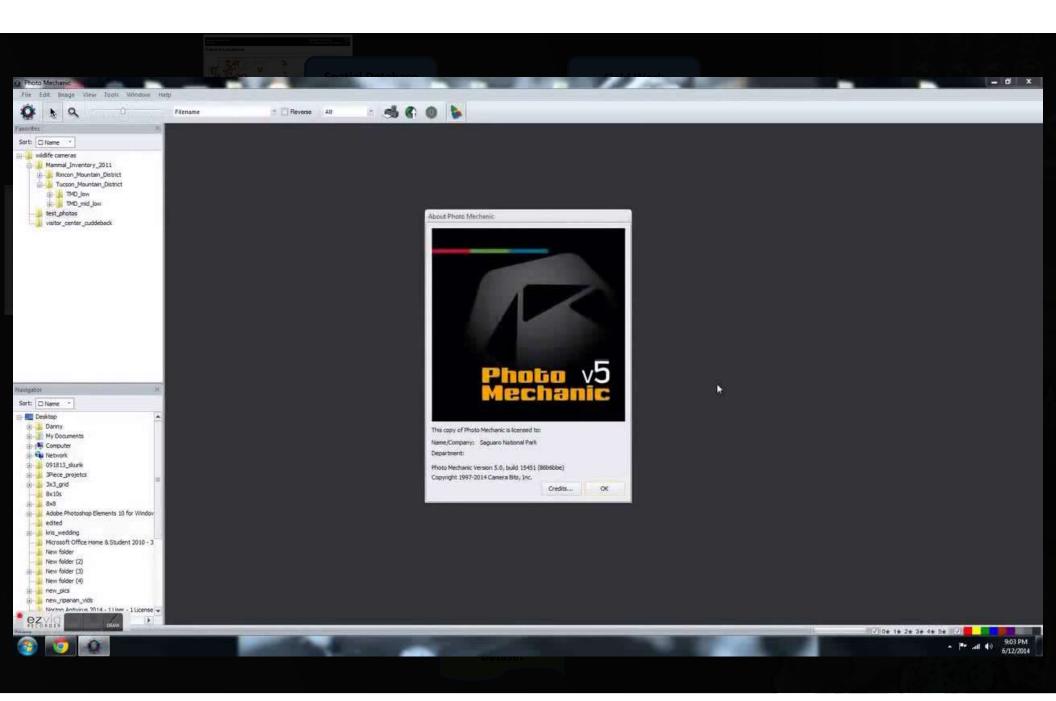
# Metadata Based Database

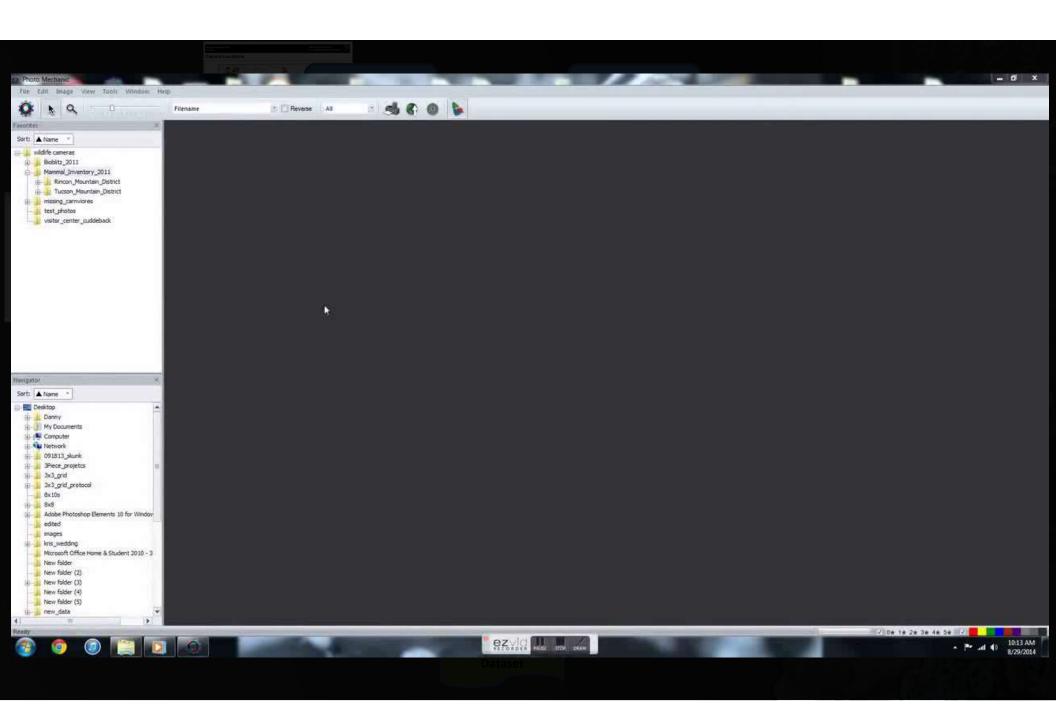
- Store information in the photos themselves
- Photos become searchable and can be displayed geographically instantly
- Extract and export information
- Send photo datasets and plugs into existing systems
- Sharing data

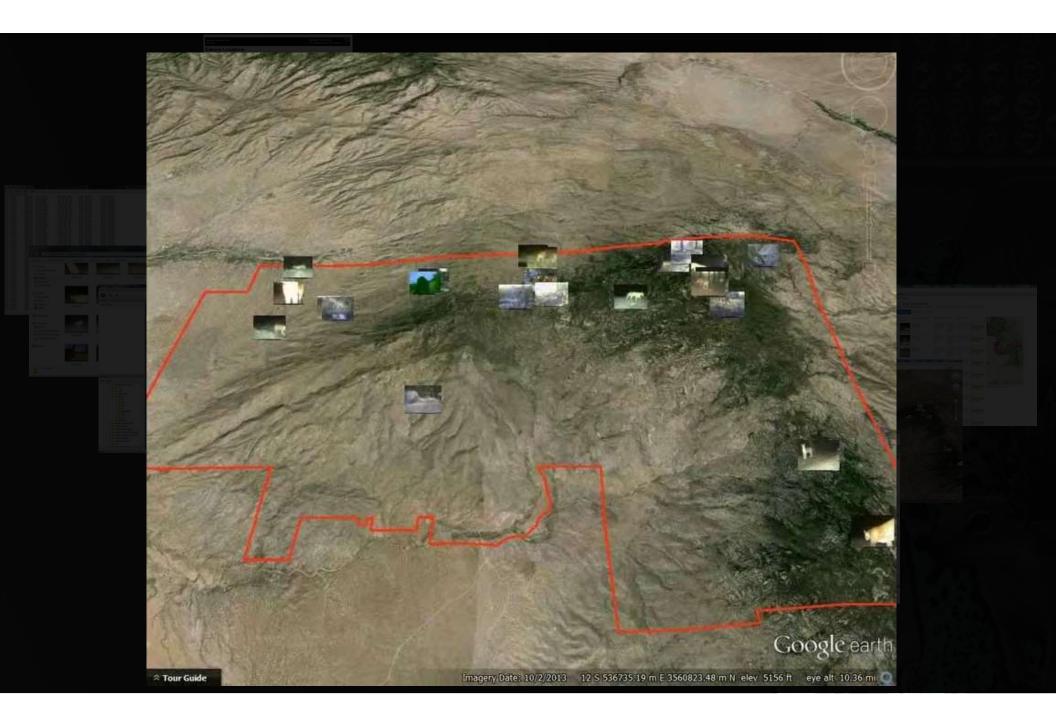












# Picasa – viewing photos

Search, display and map...

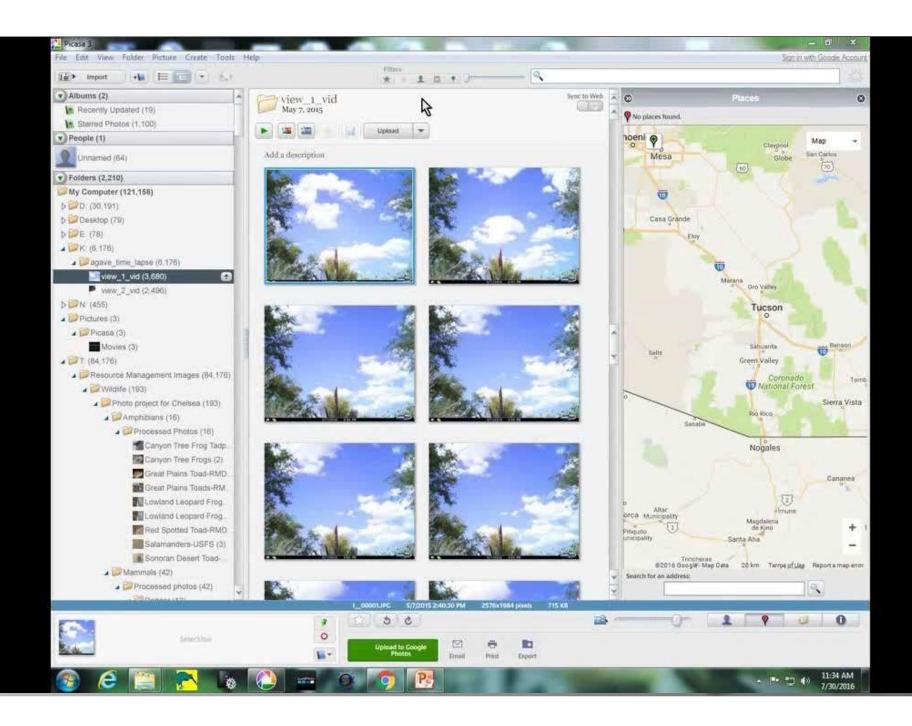
- by study
- by location
- by species

or by any other data you add to photo

Video – UA/Pima county bobcat study data example

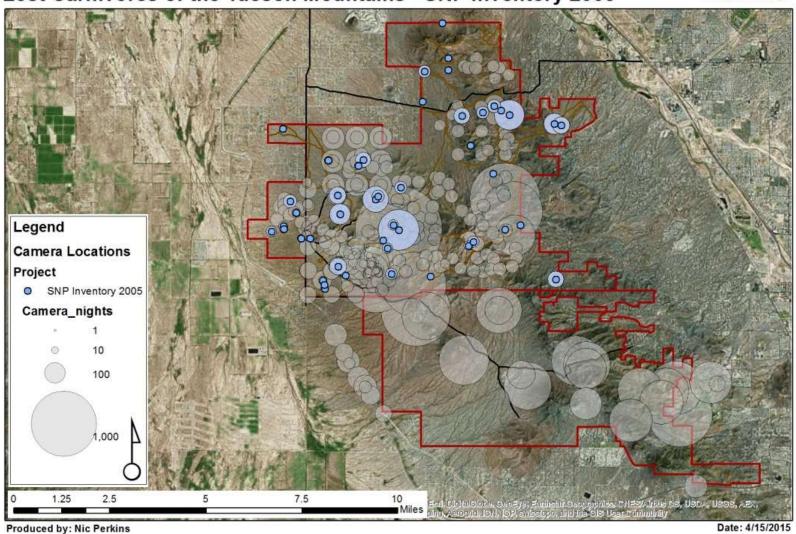






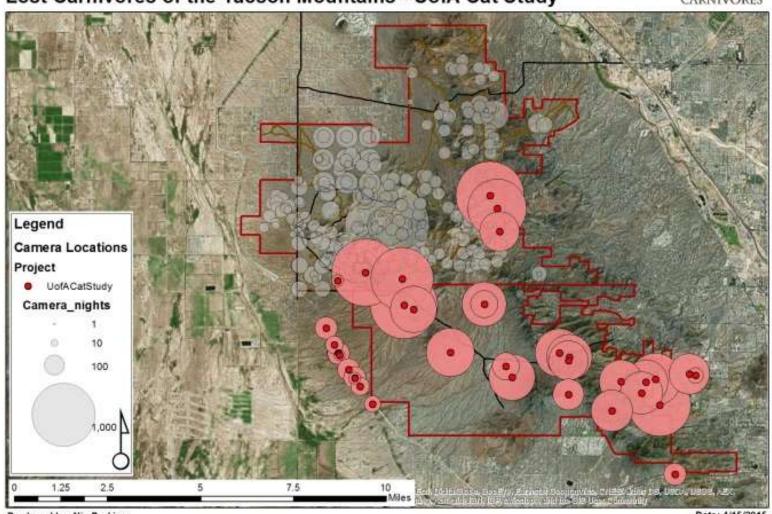


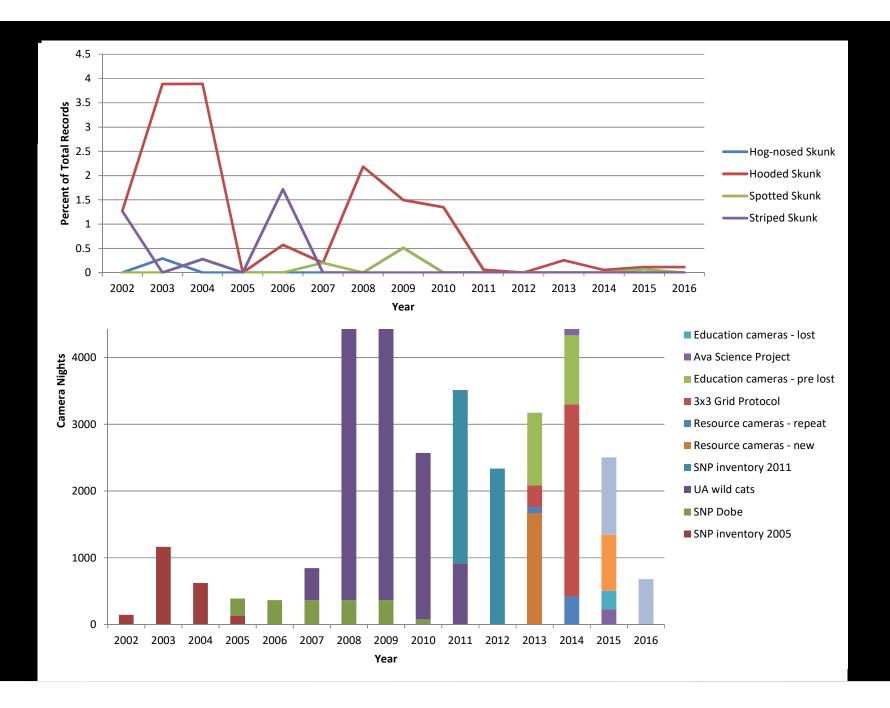
## Lost Carnivores of the Tucson Mountains - SNP Inventory 2005

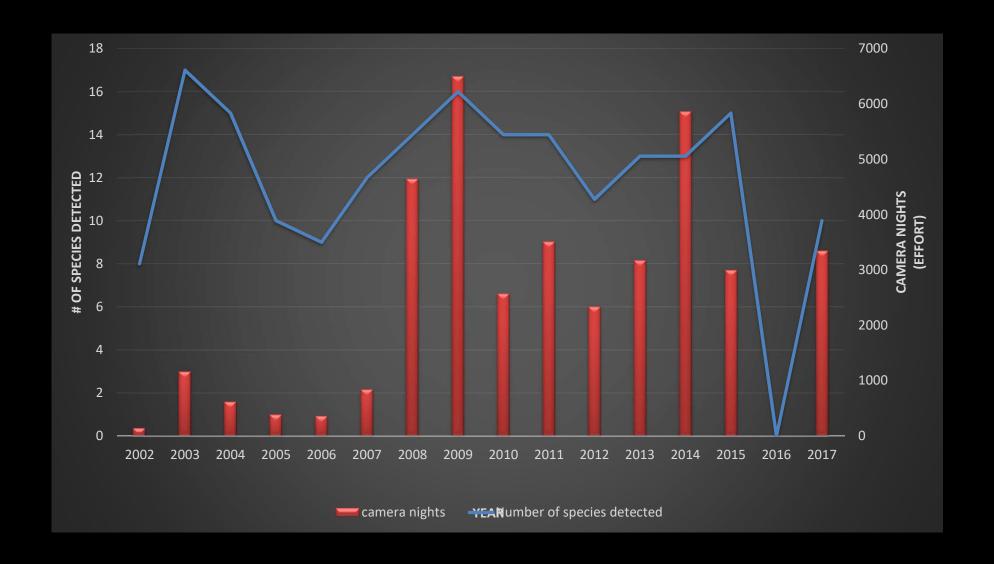




## Lost Carnivores of the Tucson Mountains - UofA Cat Study







## Cons

- Photo Mechanic isn't intuitive
- Folder Structure is flexible but does require thought
- No magic stat button
- Have to have access to the photos (hard drive)







Antelope Jackrabbit (Lepus allent) is large and gangly. They have long, thin front legs and large hind feet. The Antelope jackrabbit's tail is short that has no black stripe on top. Its side has a contrasting brownish tan upperside and white underside. The ears have a white halo around the edges and no black tips.

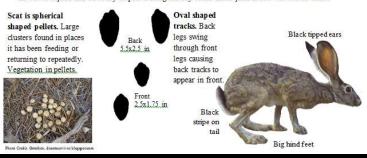
Found in both districts of Saguaro National Park. Less common in the Tucson Mountains, where they are associated with the lower bajada and prefer sandy soils. More common in the Rincon Mountains where they are found in flat, open areas adjacent to washes. Antelope jackrabbits are nocturnal and crepuscular. They are usually solitary except mothers with young.

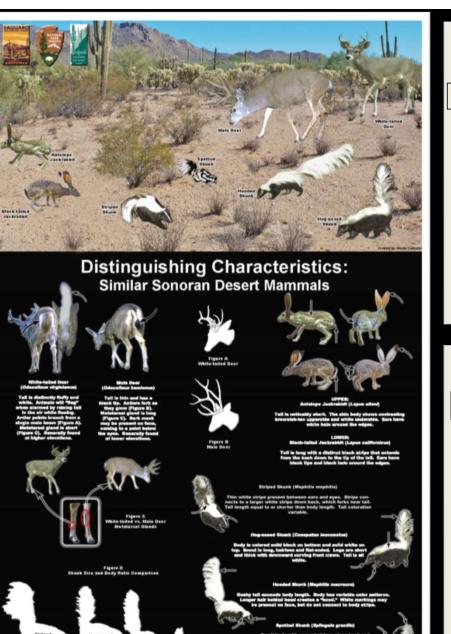


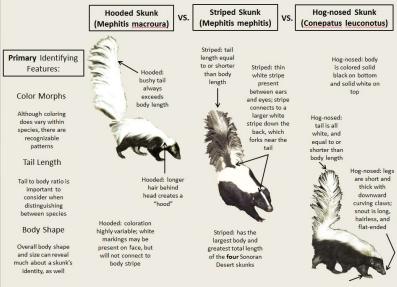
Saguaro National Park
Black-Tailed Jackrabbit
8/15/2011 6:45 EM

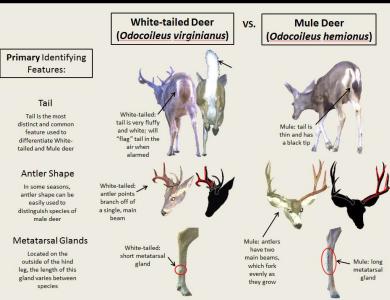
Black-Tailed Jackrabbit (Lepus californicus) has a long tail with a distinct black stripe that extends from the back down to the tip of the tail. Ears have black tips and black halo around edges. Fur is gray-brown throughout.

Common throughout both the Rincon and Tucson Mountains. In the Rincon Mountain District blacktailed jackrabbits are found in open areas of lower elevations. In the Tucson Mountain District found in the lower bajada and on rocky slopes. During the day black-tailed jackrabbits will rest in shade.











7/6/731 4:34 66

#### Videos

EK000027.AVI (0:15) ■ Actions ▼|
View video



PICT0002.AVI (0:15) 

Actions ▼ |

#### Mountain Lic

Mountain Lion underside. Mo chin, and sma legs, large rou

Mountain Lion the western h Mountain Lion habitat type, I Lions are also

Mountain Lion jaguars. But Sagauro Vational Park Mountain Lion The elusive mountain lion is the most powerful predator at Saguaro National Park. It is found in both districts. They have the ability to kill prey larger than themselves and can leap 20 feet (6.1 m) or more! Their jaws are so strong that they can bite through the shells of adult desert tortoises, something no other predator in the Sonoran Desert can do.

View album (27)

To view more photos and to learn about our remote wildlife camera project, go to http://saguwildcams.shutterfly.com/ or scan the QR code with your smart phone or tablet to jump straight there.

than to true lions. This being evident in the fact that Mountain Lions cannot roar due to the lack of the specialized larynx and hyoid apparatus that occurs in the bigger cats, and that the overall appearance of the mountain lion more closely resembles that of the domesticated cat. Typical noises Mountain Lions make are



Details

Video



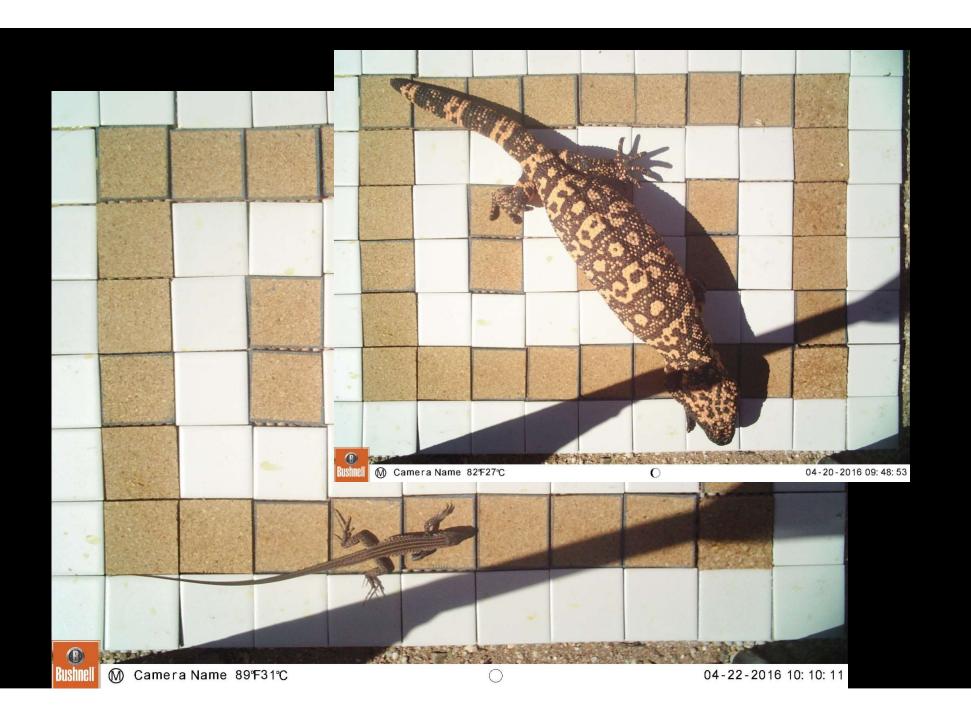
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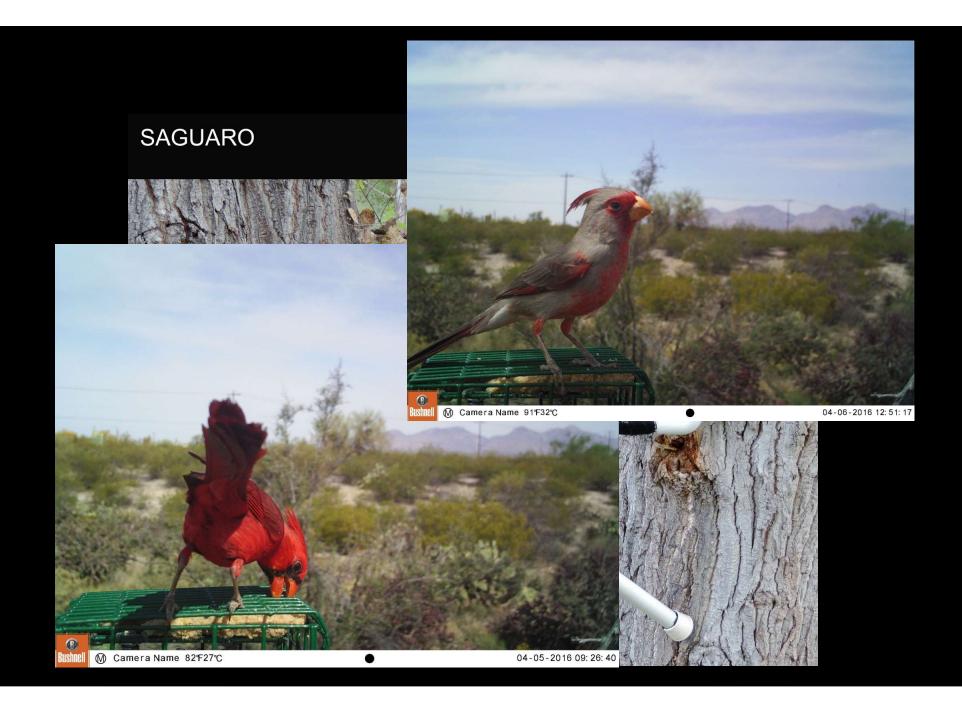
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