Interview Instrument

Socio-demographic Questions:
1. Age
2. Gender
3. Residence (Guayacan, Moravia, Linda Vista, Santa Marta, etc.)
4. Length of residence
5. Land ownership
6. Land use
7. Affiliation with Panthera (yes, no, other?)
8. Employment/occupation (sometimes they have more than one occupation—they may ranch and be involved w/tourism; they may ranch and make cheese, etc.)
9. Herd: type of herd, herd size and density
10. Education (they may not want to answer this and that is okay)
11. Income per year (they may not want to answer this and that is okay)
   - $0-999
   - $1000-1999
   - $2000-2999
   - $3000-3999
   - $4000-4999
   - $5000 or more.
12. How many ranchers (defined as someone who raises livestock including cows, pigs, sheep, goats) live in this town (residence stated above in #3)?
13. How many gringos live in this town (residence stated above in #3)? Do you have the contact information for them? And can you explain where they live?
14. Any other demographic information that they may give you: (e.g. married, children, age of children, wife, how long married, how many pets, what kind of pets, etc.)

Core Interview Questions:
Ecological knowledge
1. Do you know what a jaguar looks like? Can you explain it? After, show the participant a picture of the 3 feline species in Costa Rica and have them choose which one is a jaguar.

2. Do you know what a puma looks like? Can you explain it? After, show participant a picture of the 3 feline species in Costa Rica and have them choose which one is a puma.

3. What is the role of jaguars and pumas in the wild?

4. Do you think jaguars would attack humans without being provoked? If so, do you know of any such incidents (retrieve as many details as possible)?

Norms
5. Are you aware of any big cats killed close to your house or in the area?
   a. Retrieve as many details as possible: location, reason/circumstances, method, date, species (jaguar, puma) and sex, any evidence such as photographs, body parts, skin/fur, killer (if possible)

6. How many of your neighbors do you think kill jaguars? Think of the landowners in the area, what percentage of them do you think kill jaguars? And pumas?
7. When was the last time you saw a jaguar or a sign of jaguars (tracks, etc.) and/or pumas and what was the location? What happened when you saw the jaguar or puma? And how did that make you feel? If you were to see a jaguar how would you feel? If you were to see a puma how would you feel?

8. Have you experienced livestock loss due to jaguar or puma predation? If so, how many times in the past year? Was the animal (cow, pig, etc) killed or injured? How did you know it was a jaguar or puma? Have any of your neighbors experienced livestock loss due to jaguar or puma predation?

9. Have conservation efforts (Panthera, government, national park, reserve, etc.) to protect nature impacted you in any way?

10. **If you have livestock:** What would you be willing to change in your husbandry practices in order to minimize predation on your livestock? If yes…what would you suggest for solving the problem? (Let them respond w/o probing. If they don’t understand the question or have not response, then you can give them the below choice):

    I have 6 suggestions, which one(s) do you prefer?
    a. Using preventative methods in the property (use predator proof-enclosures during night, use electric fences to surround pastures and/or enclosures, keep herds away from the forest, etc.).
    b. Buy water buffalo to keep jaguars and pumas away.
    c. Killing the problem jaguar/puma
    d. Financial compensation for livestock losses by jaguars or pumas.
    e. Relocating the problem jaguar/puma
    f. Removing/eradicating all jaguars from the area.
    g. Restructuring the food chain (reintroduction of native species extinct locally).

11. **Those w/o livestock:** If you had a jaguar or puma close to your house what would you do? What would you suggest for solving the problem? (Let them respond w/o probing. If they don’t understand the question or have not response, then you can give them the below choice):

    I have 6 suggestions, which one(s) do you prefer?
    h. Using preventative methods in the property (use predator proof-enclosures during night for pets; electric fences to keep predators from entering your yard).
    i. Purchase a dog that scares jaguars and pumas off?
    j. Killing the problem jaguar/puma
    k. Financial compensation for livestock losses by jaguars or pumas.
    l. Relocating the problem jaguar/puma
    m. Removing/eradicating all jaguars from the area.
    n. Restructuring the food chain (reintroduction of native species extinct locally).
Behaviors

12. Have you hunted jaguars and/or a pumas ever? Do you hunt jaguars and/or pumas regularly?
   a. Retrieve as many details as possible: location, reason/circumstances, method, date, species (jaguar, puma) and sex, any evidence such as photographs, body parts, skin/fur, killer (if possible)

13. Have you ever killed a jaguar and/or puma? Do you kill them regularly?
   b. Retrieve as many details as possible: location, reason/circumstances, method, date, species (jaguar, puma) and sex, any evidence such as photographs, body parts, skin/fur, killer (if possible)

14. Do people poach wildlife on your land, if so which animals?
   c. Retrieve as many details as possible: location, reason/circumstances, method, date, species (jaguar, puma) and sex, any evidence such as photographs, body parts, skin/fur, killer (if possible)

15. Has anyone ever poached a jaguar or puma on your land?
   d. Retrieve as many details as possible: location, reason/circumstances, method, date, species (jaguar, puma) and sex, any evidence such as photographs, body parts, skin/fur, killer (if possible)