

# Factors influencing local attitudes and perceptions regarding jaguars *Panthera onca* and National Park conservation in Panama

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SUPPLEMENTARY MATERIAL Survey questionnaire used to investigate attitudes to jaguars *Panthera onca* and National Park conservation among communities in and around Cerro Hoya and Darién National Parks in Panama (Fig. 1), during 2014–2015.

## Demographics

1. Age
2. Gender
3. Number of dependents
4. Number of years at residence
5. Education history (maximum grade reached)
6. Size of farm (ha)
7. Number of cattle

## Respondent's impacts on the park

8. Do you have plans to expand your ranch in the future?
9. Do you hunt within park limits?
10. What animal do you most frequently hunt?
11. What animal do you prefer to hunt?
12. How often do you hunt in the park?

## Experiences with jaguars

13. Have you seen a jaguar in your lifetime?
14. In the last year, how many adult cattle have you lost to jaguars?
15. In the last year, how many calves have you lost to jaguars?

## Attitudes and perceptions regarding jaguars (5-point Likert scale)

16. Jaguars are a threat to calves.
17. Jaguars are a threat to adult cattle.
18. Jaguars are a threat to children.
19. Jaguars are a threat to adults.
20. Jaguars are important for the forest and other wildlife.
21. Jaguar populations are decreasing.
22. I would be happier without jaguars in Darién National Park/Cerro Hoya National Park.
23. Jaguars deserve protection.
24. Depredation of cattle by jaguars is a problem the local authorities should resolve.
25. I would like to receive help on my farm to resolve jaguar predation issues.

## Attitudes and perceptions regarding National Park conservation (5-point Likert scale)

26. I am in favour of paving a road directly to Darién National Park/Cerro Hoya National Park.
27. The nature and wildlife of Darién National Park/Cerro Hoya National Park are a national treasure.
28. The nature and wildlife of Darién National Park/Cerro Hoya National Park are adequately protected.
29. I am worried for the future of Darién National Park/Cerro Hoya National Park.
30. The Azuero/Darién Province needs more national parks and wildlife refuges.

## Nuisance animals

31. Are there any other wildlife species that are a threat to your livestock and domestic

animals?