

# Ecological and financial impacts of illegal bushmeat trade in Zimbabwe

PETER A. LINDSEY, STEPHANIE S. ROMAÑACH, CRAIG J. TAMBLING, KEVIN CHARTIER and ROSEMARY GROOM

**APPENDIX 1** Questionnaire used to interview land owners / managers on issues relating to illegal hunting and anti-poaching

1. Please rate the degree of threat poaching on this ranch poses to the viability of wildlife populations
  - Significant threat
  - Moderate threat
  - Minor threat
  - No threatIf rancher provides answer other than 'no threat' or 'minor threat' to Q1, ask:
2. Has poaching always been a problem on this ranch?
  - Yes  No
3. If no, when did it become a problem?  
.....
4. Since that date, do you think that the levels of poaching on the ranch are
  - Getting worse
  - Staying the same
  - Getting better
5. How many animals would you estimate that you lose from this ranch per year?  
.....
6. Which three species are most affected by poaching as a proportion of their population?  
.....
7. Do you think the numbers of any species in the unsettled portions of your ranch have declined as a result of poaching?
  - Yes, which species?.....
  - No
8. What proportion of animals killed by poachers on this property do you think is reflected in the monthly poaching statistics collected from this ranch?  
.....
9. Which part of your ranch is most affected by poaching?  
.....
10. Do you notice any seasonal patterns in the amount of poaching?  
.....
11. During which months is poaching worst on your property?  
.....
12. Do you notice any seasonal patterns in the type of poaching?  
.....
13. Do you notice any other patterns in the amount or type of poaching over time?  
.....
14. Is the amount or type of poaching affected by levels of rainfall in a year? If so, how?  
.....
15. Is the amount or type of poaching affected by cycles of the moon? If so, how?  
.....
16. What other factors influence the amount or type of poaching that occurs on your property in a given year?  
.....
17. Where do most poachers that operate on your ranch come from?  
.....
18. Where do you think that most meat that is poached from your ranch is sold?  
.....
19. How much do you estimate that you spend on anti-poaching per month for the properties under your jurisdiction? (stipulate ranches)  
.....
20. How many game scouts do you have?  
.....
21. How much are they paid per month?  
.....
22. Are the scouts fed rations? If so, what & how often?
  - Yes.....
  - No
23. Do you provide your scouts with uniforms?  
.....
24. Do you provide your scouts with radios? If so, what proportion of scouts have radios?
  - Yes, proportion.....
  - No
25. Do you provide your scouts with weapons? If so, what proportion of scouts have weapons?
  - Yes, proportion.....
  - No
26. What type of weapons do you provide to your scouts?  
.....

27. Do you provide your scouts with handcuffs? If so, what proportion of scouts have handcuffs?

- Yes  No

28. Are scouts based at permanent scout camps?

- Yes  No

29. Do you rotate scouts between camps?

- Yes.....
- No

30. How many scout camps are there? (and how far from the conservancy fence are they?)

.....

31. How often do you (or the manager) work in the field with the scouts?

.....

32. In what way do you or the manager work in the field with the scouts?

.....

33. When employing scouts, what criteria do you use for selection?

.....

34. Does the location of their home residence affect your selection of individuals as scouts? If so, how?

- Yes.....
- No

35. Where do most of the scouts that you employ come from?

.....

36. What kind of background checks do you do on game scouts before employing them?

.....

37. Do you provide your scouts with any training when they commence their duties? If so, what type of training?

- Yes.....
- No

38. How could your ranch improve the management of scouts to reduce poaching levels?

.....

39. How could Savé Valley Conservancy as a whole improve the management of scouts to reduce poaching?

.....

40. Do you think that the management of scouts within Savé Valley Conservancy should be centralized and become a Conservancy task, rather than the responsibility of individual landowners?

- Yes, because.....
- No, because.....

41. During the last 12 months have you caught any of your game scouts poaching? If yes, how many?

- Yes.....
- No

42. How did you catch them?

.....

43. How could Savé Valley Conservancy reduce the incidence of game scouts or other workers engaging in poaching?

.....

44. Do you use informers in the communities to assist with the control of poaching? If so, how?

- Yes.....
- No

45. Do you conduct follow up raids at poachers houses?

- Yes  No

46. Do you think that improved community outreach efforts on the part of Savé Valley Conservancy would help to reduce poaching?

- Yes, because.....
- No, because.....

47. If yes, what kind of outreach efforts would you recommend?

.....

48. How much meat could your ranch provide to a centralized meat distribution system?

.....

49. How do you currently utilize meat produced from legal hunting on your property (please provide a % breakdown)?

.....

50. Do you consider that the legal framework that governs poaching in Zimbabwe to be effective?

- Yes, because.....
- No, because.....

If not, how do you think it should be changed?

.....

51. Do you feel that the level of support from the police regarding poaching has improved, stayed the same, or declined during the last 3 years?

- Improved
- Stayed the same
- Declined

52. How many times have the Parks and Wildlife Management Authority come to your ranch to assist with anti-poaching in the last 12 months?

.....

Any other comments?