

Human and wildlife usage of a protected area buffer zone in an area of high immigration

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SUPPLEMENTARY MATERIAL 1 Questionnaire used for social surveys in the Kilombero Valley, Tanzania, in 2010.

- 1) Gender of the survey participant: M/F
- 2) How old are you?
- 3) What is your ethnic group?
- 4) Are you the head of the household? Y/N
- 5) What is the highest school level you have finished?
- 6) How many people are in this household?
- 7) How many children (under 16)?
- 8) Where do you get water?
- 9) How long have you lived in the area?
 - 9a) How long has your farm been here?
- 10) [If they are not from the area] Where did you live before?
- 11) [If they are not from the area] Why did you move here?
- 12) Do you have a farm anywhere else?
- 13) Do you have a house in town? Y/N
- 14) How large is your farm?
- 15) What crops do you grow?
- 16) Do you sell anything you grow? Y/N
- 17) How much do you sell?
 - (a) How much do you earn from it?
- 18) Does your farm grow enough food for you and your family?
- 19) Does any member of your household earn a wage? Y/N
 - (a) What is their job?

- 20) Do any relatives send you money? Y/N
- 21) Where do you get spending money for your household?
- 22) Do you work on anyone else's farm? Y/N
- (a) How often do you work?
- 23) Do you collect timber? Y/N
- (a) Around farm/around house/wildlife management area.
 - (b) For household consumption/for sale?
- 24) Do you collect thatching grass? Y/N
- (a) Around farm/around house/ wildlife management area.
 - (b) For household consumption/for sale?
- 25) Do you collect medicinal plants? Y/N
- (a) Around farm/around house/ wildlife management area.
 - (b) Which kinds?
- 26) Do you collect firewood? Y/N
- (a) Around farm/around house/ wildlife management area.
 - (b) For household consumption/for sale?
- 27) Do you fish? Y/N
- (a) Where?
 - (b) For household consumption/for sale?
- 28) Do you hunt? Y/N
- (a) What animals?
 - (b) For household consumption/for sale?
- 29) Which villages' land your farm is on?
- (a) Have other villages claimed this land as well?
- 30) Are you aware of any land management plans for the area? Y/N
- (a) What are they?
- 31) Do you know what a game controlled area is? Y/N

- (a) What is it?
- 32) Does this area burn every year?
- 33) Why do people burn?
- 34) What is the most important source of income for your family?
- 35) Do you keep any domestic animals (chicken, goats, cows)?
- (a) How many?
- 36) Do you plan on staying in the area?
- 37) Do large mammals move through this area?
- 38) What time of year do large mammals move through the area?
- 39) What animals cause problems for you?
- 40) Do you think there is more/less wildlife in the area than 5 years ago?
- 41) How much do you lose per year from problem animals? __ha
- 42) Did you purchase any fertilizer last year? Y/N
- 43) Did you hire any labour for crops or livestock? Y/N
- 44) Are natural resources important for your family?
- 45) Is wildlife important for your family?

SUPPLEMENTARY TABLE 1 Species signs recorded during 2008–2010 on transects in a Wildlife Management Area in Ulanga District, Tanzania, that borders the Selous Game Reserve.

Species	Total spoor recorded
Elephant <i>Loxodonta africana</i>	6,018

Buffalo	<i>Syncerus caffer</i>	3,715
Waterbuck	<i>Kobus ellipsiprymnus</i>	2,095
Bushpig	<i>Potamochoerus larvatus</i>	2,092
Duiker	Cephalophini	2,078
Baboon	<i>Papio anubis</i>	1,158
Aardvark	<i>Orycteropus afer</i>	1,092
Porcupine	<i>Hystrix cristata</i>	805
Mongoose	Herpestidae	592
Warthog	<i>Phacochoerus africanus</i>	437
Hartebeest	<i>Alselaphus busephalus</i>	436
Cane rat	<i>Thryonomys swinderianus</i>	420
Reedbuck	<i>Redunca</i> spp.	417
Zebra	<i>Equus quagga</i>	316
Dik dik	<i>Madoqua kirkii</i>	177
Spring-hare	<i>Pedetes capensis</i>	171
Bushbuck	<i>Tragelaphus scriptus</i>	162
Sable	<i>Hippotragus niger</i>	137
Eland	<i>Taurotragus oryx</i>	129
Civet	<i>Civettictis civetta</i>	20
Hyaena	<i>Crocuta crocuta</i>	17
Genet	<i>Genetta</i> spp.	7
Leopard	<i>Panthera pardus</i>	5
Wild cat	<i>Felis lybica</i>	5
Wild dog	<i>Lycaon pictus</i>	1
Serval	<i>Felis serval</i>	1
Hippopotamus	<i>Hippopotamus amphibious</i>	1
Lion	<i>Panthera leo</i>	1
