

Why Botswana & the Okavango Delta?

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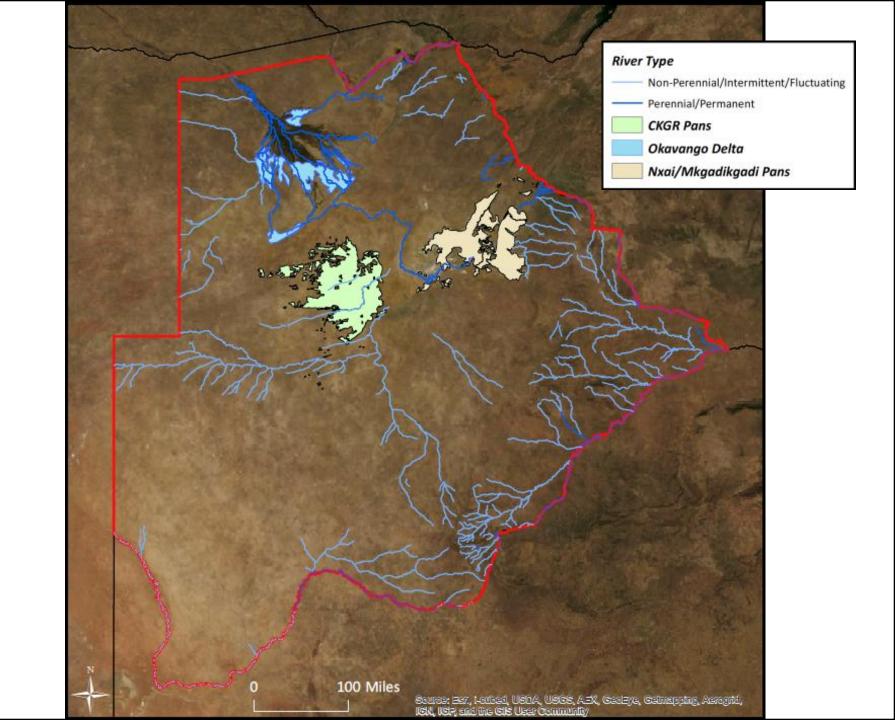
Narrative versus Reality

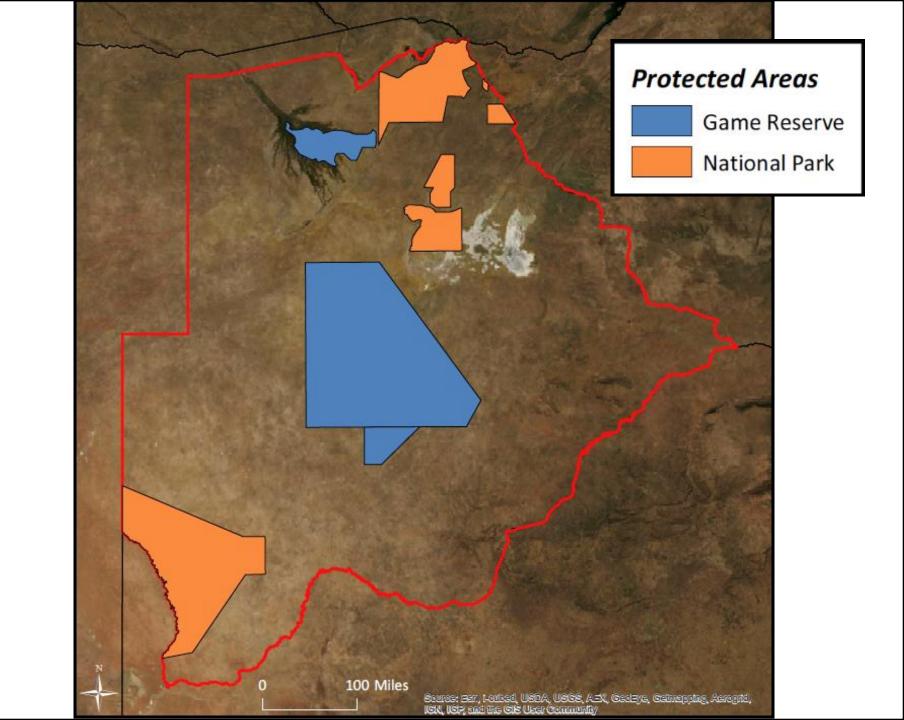
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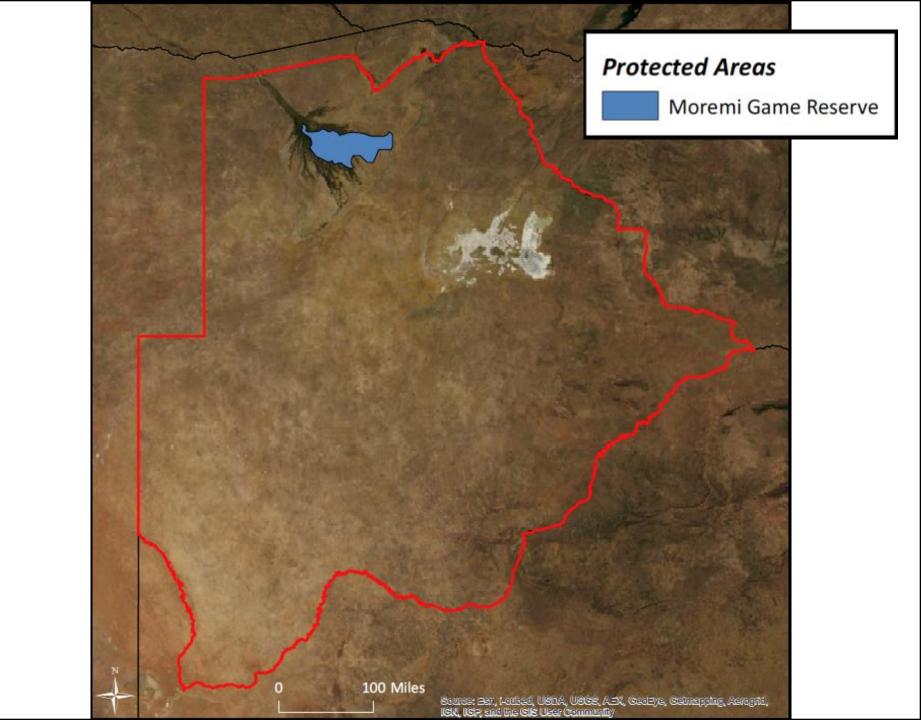
Narrative versus Reality

Miles to go before we sleep...











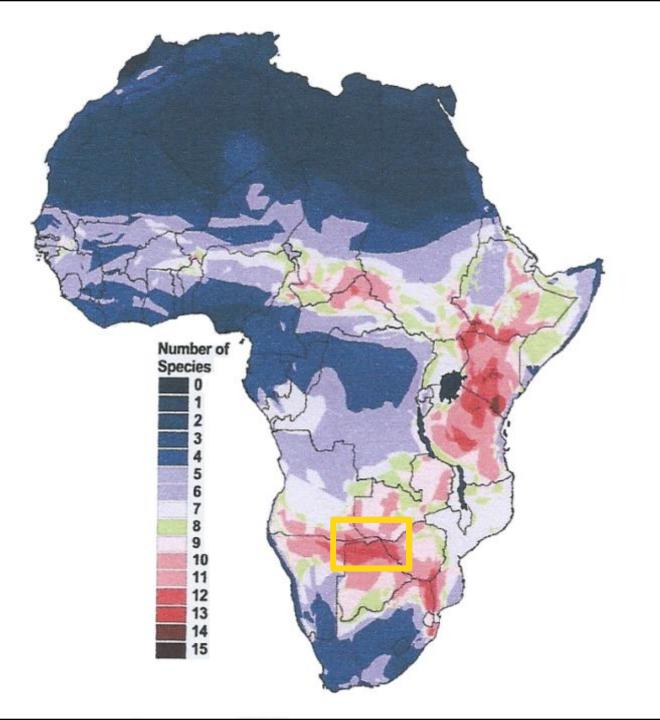


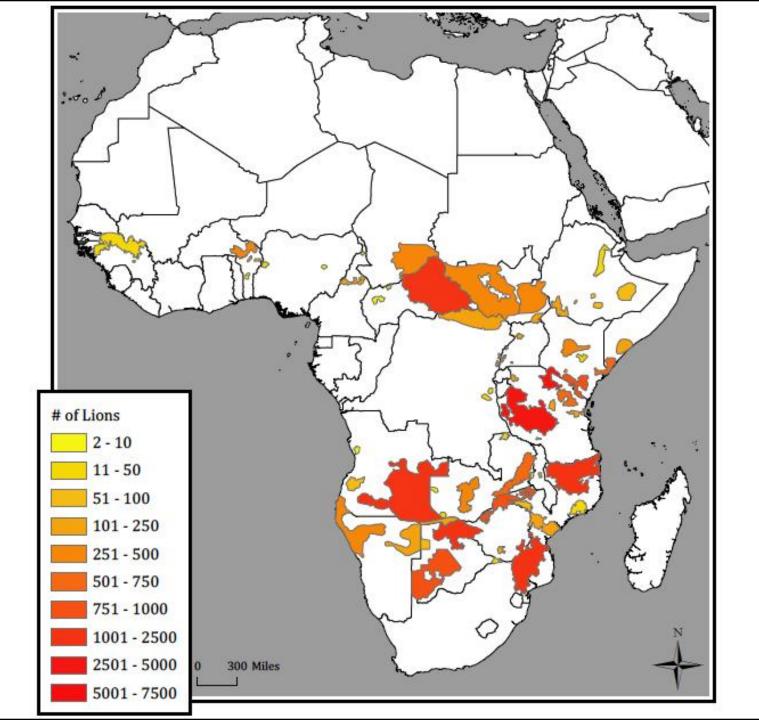




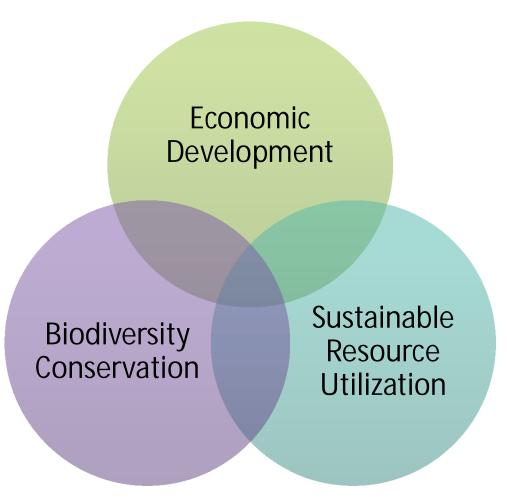




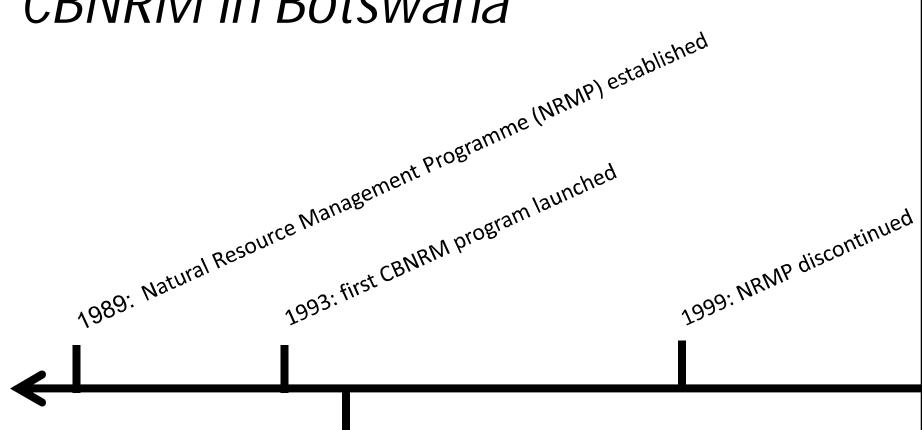




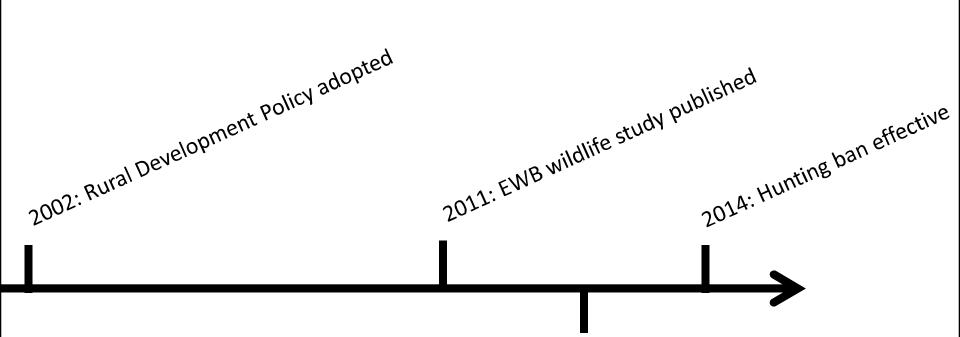
# Community-based Natural Resource Management



## CBNRM in Botswana



1994 & 1995: BPCT study on attitudes performed



2012: K. Stoner's study of attitudes performed

### Claims of success

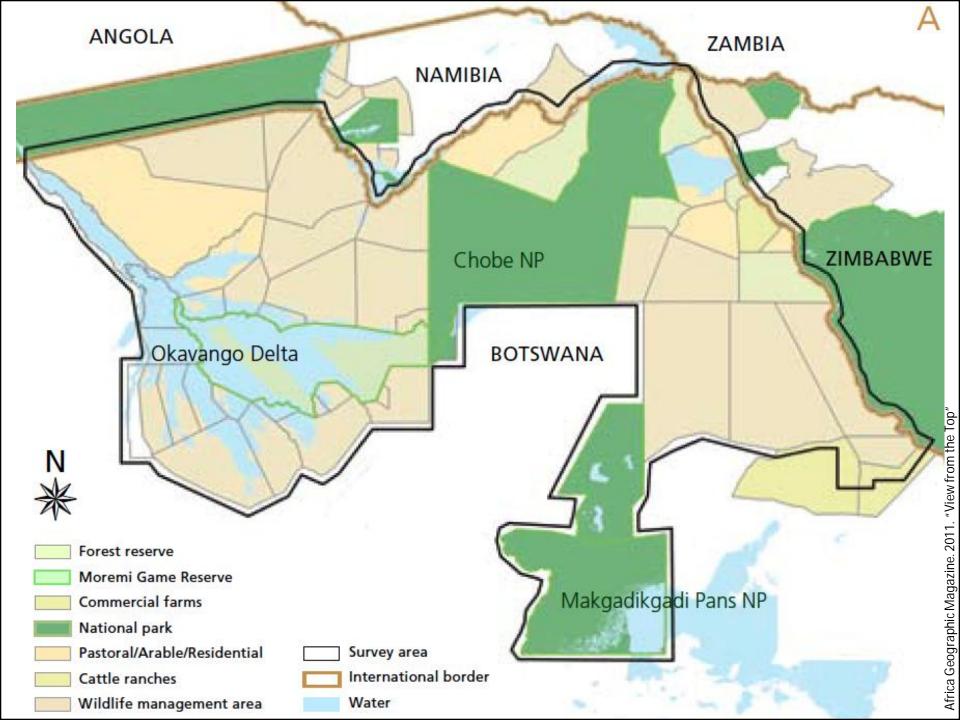
### Claims of success

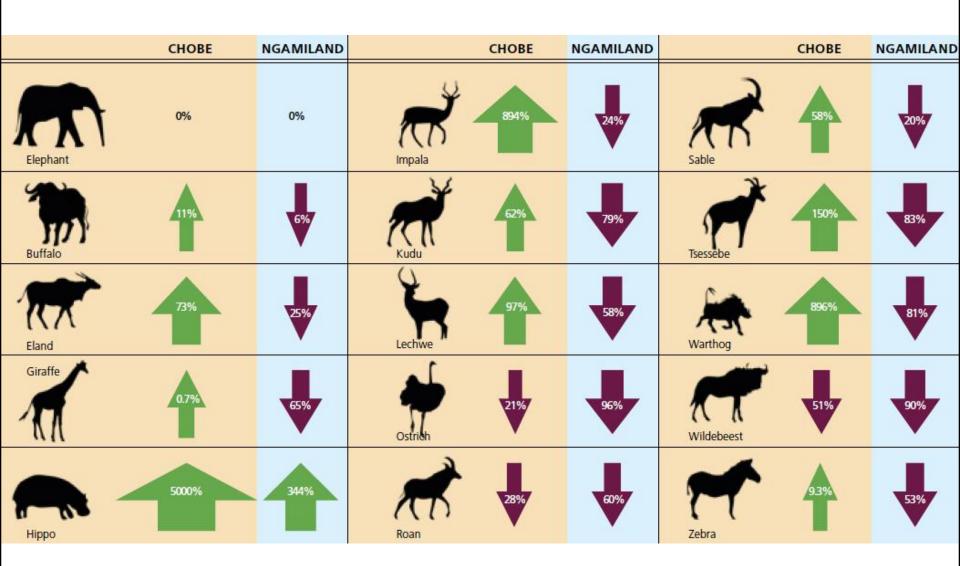
Wildlife thriving in a pristine environment

#### Claims of success

Wildlife thriving in a pristine environment

CBNRM helping to increase understanding of and attitudes toward wildlife





# WILDLIFE DAMAGE AND AGRICULTURE: A DYNAMIC ANALYSIS OF COMPENSATION SCHEMES

DANIEL RONDEAU AND ERWIN BULTE

### Whose Elephants? Conserving, Compensating, and Competing in Northern Botswana

Rachel DeMotts a & Parakh Hoon b

Evaluation of a compensation scheme to bring about pastoralist tolerance of lions

Seamus D. Maclennan a,c,\*, Rosemary J. Groom b, David W. Macdonald a, Laurence G. Frank c,d

a Wildlife Conservation Research Unit, Department of Zoology, University of Oxford, Tubney House, Abingdon Road, Tubney, Abingdon, Oxfordshire OX13 5QL, UK

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<sup>&</sup>lt;sup>c</sup>Living with Lions, Wildlife Conservation Society, 2300 Southern Blvd. Bronx, NY 10467, USA

Museum of Vertebrate Zoology, University of California, Berkeley, CA 94720, USA

Quick, accurate verification of damage

- Quick, accurate verification of damage
- Prompt & fair payment

- Quick, accurate verification of damage
- Prompt & fair payment
- Sufficient & sustainable funds

- Quick, accurate verification of damage
- Prompt & fair payment
- Sufficient & sustainable funds
- Site specificity

- Quick, accurate verification of damage
- Prompt & fair payment
- Sufficient & sustainable funds
- Site specificity
- Clear rules and guidelines

### Successful compensation requires...

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- Clear rules and guidelines
- Measures of success

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Test importance of ethnicity



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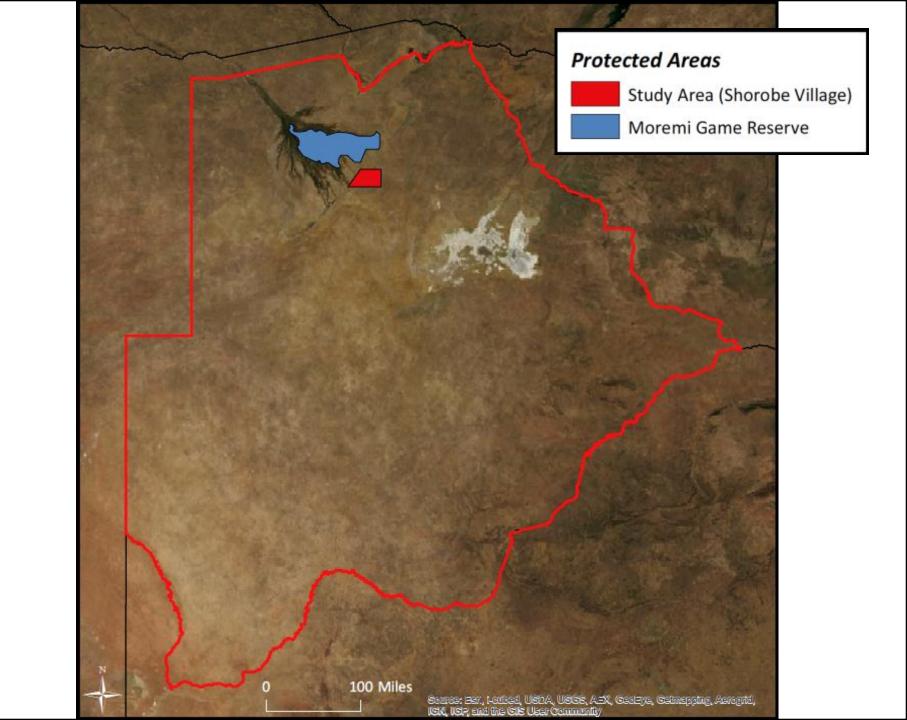
77 surveys in 4 villages



Test importance of ethnicity

77 surveys in 4 villages

Irrelevant data discarded



### Methods

Data collection mirrored original study

40 interviews in one village

performed by Batswana research assistants

Results analyzed in SPSS

I feel cattle are more important than wild animals.

It is unimportant to me whether our elephants are many or few in number.

I believe tourism is good for Botswana and for our community.

Wild animals are important to me and my community, we want to protect them.

It would be okay to have some cattle areas changed into wildlife areas if we got wildlife-related jobs.

National parks and reserves are a waste of land.

# There are as many lions as there are impala in Botswana.

Wild dogs will attack people.

The more animals that are hunted, the more will be born to replace them.

Our community does make money from wildlife, even wild dogs.

The number of people in our country is more than the number of cattle.

It is important to keep a place where animals live.

strongly agree: 5

strongly disagree: 1

It is important to keep a place where animals live.

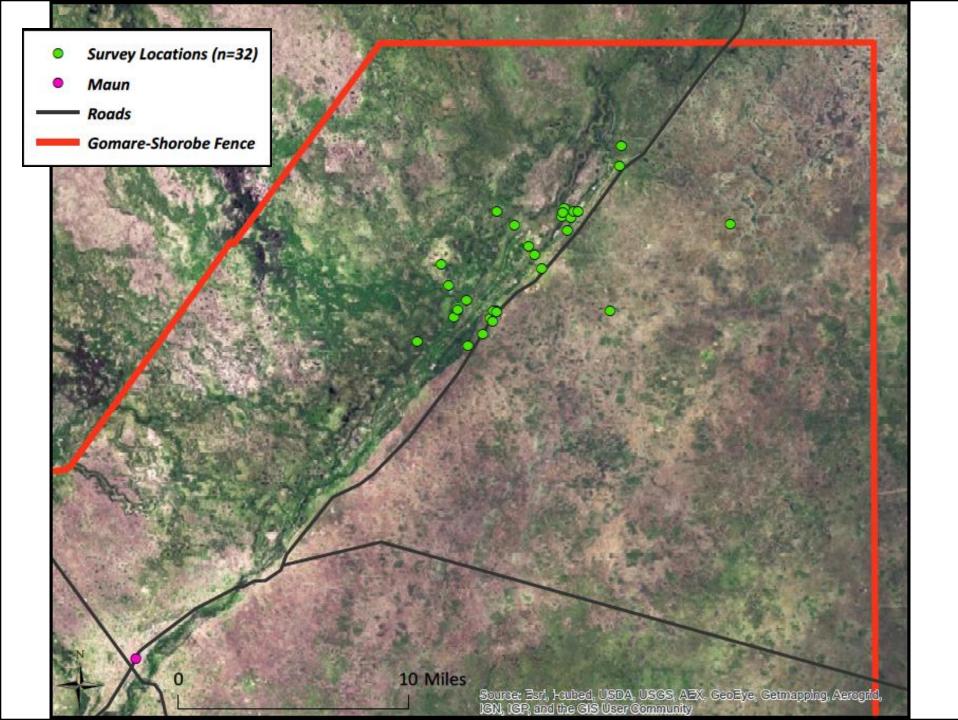
strongly agree: 5

strongly disagree: 1

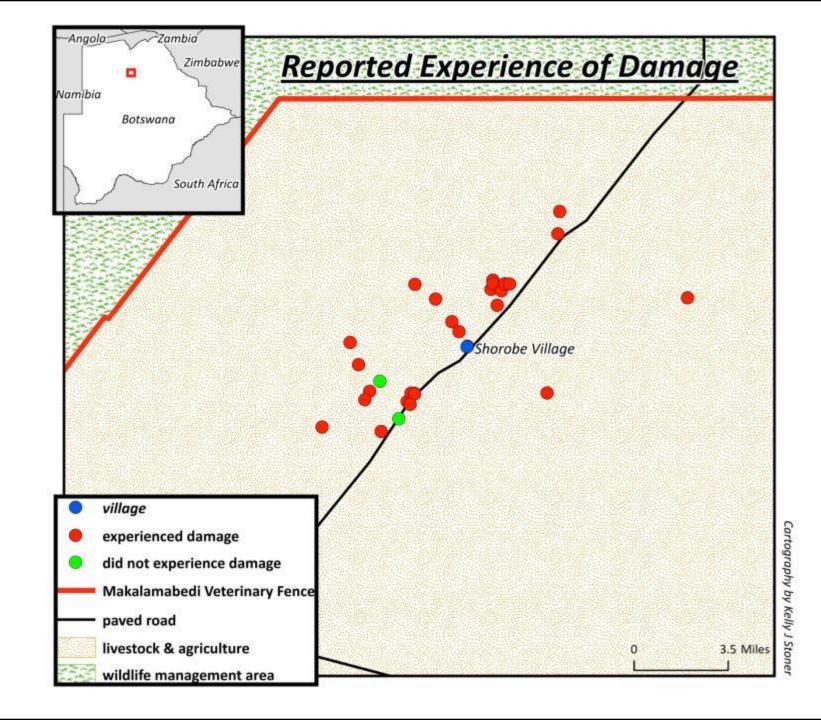
There is too much land reserved for wildlife. We need more land for cattle.

strongly agree: 1

strongly disagree: 5



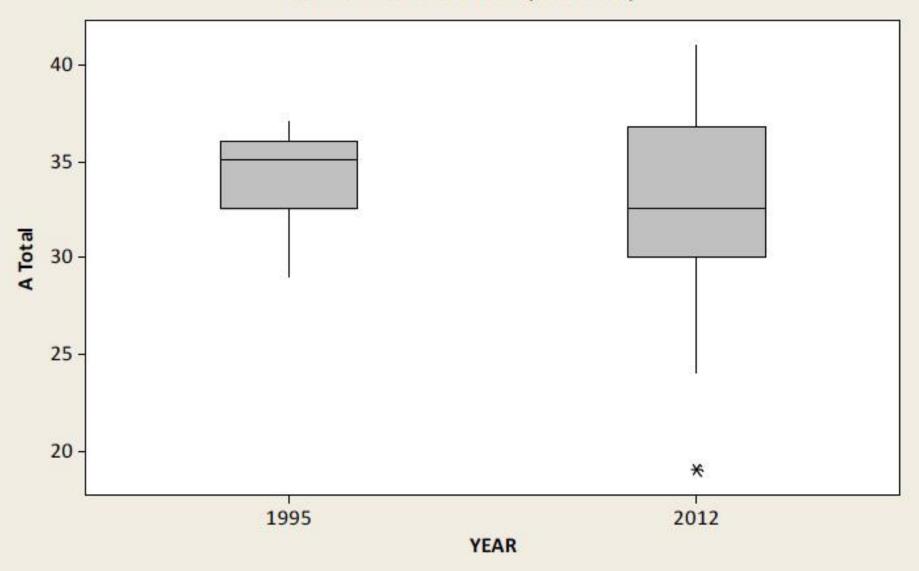
1995 2012 Total # Surveys 77 39 % Male 64% 82% \* \* Average Age 35 to 59



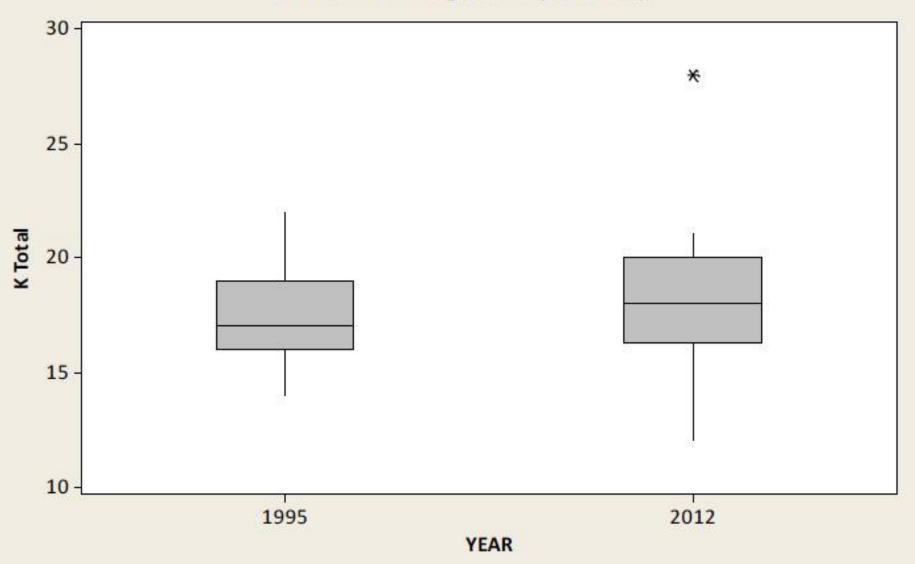
### Results

Overall, no difference between historical and current samples

#### Overall Attitude Score (Out of 50)



#### Overall Knowledge Score (Out of 30)



#### Results

Overall, no difference between historical and current samples

Neither gender nor reported experience of damage significantly impacted attitudes

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Overall, no difference between historical and current samples

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Impact of compensation varied

## Compensation's significant impact:

It is important to keep a place where wild animals can live.

Received 4.59

Did Not

4.24

# Compensation's significant impact:

It is important to keep a place where wild animals can live.	Received 4.59	Did Not 4.24
It would be okay to have some cattle areas changed into wildlife areas if we got wildlife-related jobs.	1.53	2.43
National parks and reserves are a waste of land.	3.65	4.21

# 2012's significantly lower scores (p<0.001)

1995	2012
. , , ,	

It would be okay to have some cattle areas changed into wildlife areas if we got wildlife-related jobs.

2.76

1.62

# 2012's significantly lower scores (p<0.001)

	1995	2012
It would be okay to have some cattle areas changed into wildlife areas if we got wildlife-related jobs.	2.76	1.62

National parks and reserves are
a waste of land.

4.36

3.79

# 2012's significantly lower scores (p<0.001)

	1995	2012
It would be okay to have some cattle areas changed into wildlife areas if we got wildlife-related jobs.	2.76	1.62
National parks and reserves are a waste of land.	4.36	3.79
Our community does make money from wildlife, even wild dogs.	4.00	2.95

### Claims of success

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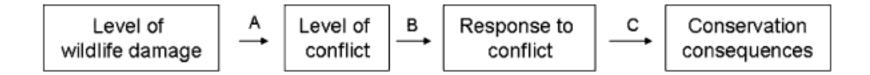
Are results of my study conclusive?

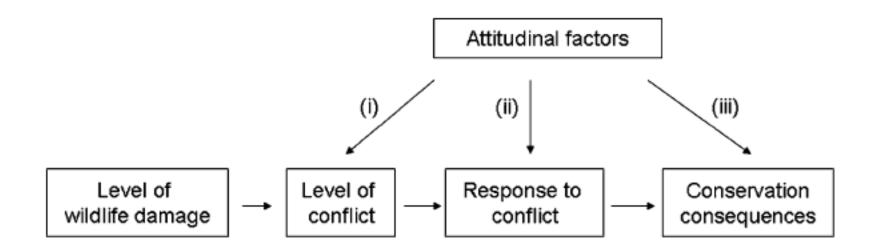
Level of wildlife damage

A Level of conflict

B Response to conflict

C Conservation consequences





Are results of my study conclusive?
Challenge: Effective, efficient monitoring

Are results of my study conclusive?

Government leaders keen to preserve wildlife

Are results of my study conclusive?

Government leaders keen to preserve wildlife Challenge: Earn support of entire society

## Thoughtful

Values, needs & goals of communities

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Values, needs & goals of communities

Hunting ban's economic and ecological impact

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Values, needs & goals of communities

Hunting ban's economic and ecological impact

What does success look like?

