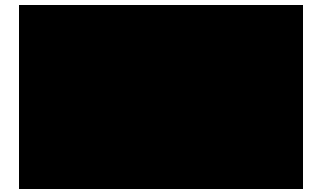




# HUMAN-LION CONFLICT TOOLKIT

# CONTRIBUTING PROJECTS

- Lion Guardians
- Living with Lions
- Niassa Carnivore Project
- Niassa Reserve
- Panthera
- Ruaha Carnivore Project
- Rufiji Man-Eating Project
- Selous-Niassa Wildlife Corridor Project
- Tarangire Lion Project
- African People & Wildlife Fund





## Distribution and printing

1. Download the toolkit from <https://www.humanlionconflict.org/toolkit>
2. Email [info@humanlionconflict.org](mailto:info@humanlionconflict.org) if you have any questions
3. If you are unable to access the toolkit, please contact [info@humanlionconflict.org](mailto:info@humanlionconflict.org) (00800 100 000 000)

## Use of the toolkit

1. Use the toolkit to identify the most appropriate response for your situation
2. Email [info@humanlionconflict.org](mailto:info@humanlionconflict.org) if you have any questions
3. Follow the steps in the toolkit to resolve the conflict

## Adding to the toolkit

1. Add your own experiences to the toolkit by emailing [info@humanlionconflict.org](mailto:info@humanlionconflict.org) with the following information:
  - A. Your name
  - B. Your contact details (e.g. email address)
  - C. Your location
  - D. A description of the conflict
  - E. The response you used
  - F. The outcome of the response
  - G. Any other relevant information
2. Add your own experiences to the toolkit by emailing [info@humanlionconflict.org](mailto:info@humanlionconflict.org) with the following information:

# ACACIA / THORN CORRALS

## DESCRIPTION

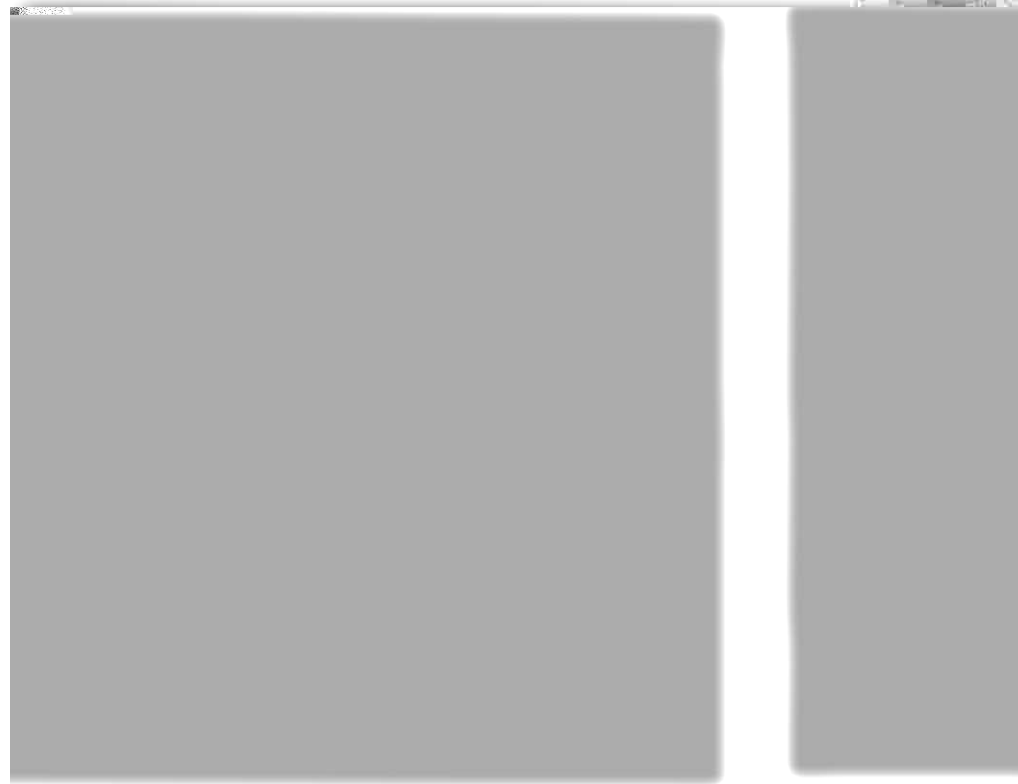
Adaptation of traditional cattle corrals to make them more effective at preventing lions and other carnivores from entering. Used for all livestock.

## IMPORTANT ELEMENTS

- E
- M
- 
- 
- G
- 
- C

## EFFECTIVENESS/PROS

- M
- 
-



# CHAIN LINKED FENCE CORRALS

## DESCRIPTION

These reinforced corrals are constructed with poles and chain link fences. Used for all livestock.

## IMPORTANT ELEMENTS

- ☉ D. ... 2 mm
- ☉ G. ...
- ☉ ...
- ☉ ...

- ☉ K. ... m
- ☉ ... m
- ☉ ...

## LIMITATIONS TO APPLICABILITY/CONS

- ☉ C. ... m
- ☉ ...
- ☉ ... m ... C ... m
- ☉ ...
- ☉ L. ... m
- ☉ M. ... m

## COST

-L \$90 ... \$7 ... \$200 \$900 ...

## ENVIRONMENTAL IMPACTS/NEEDED

- ☉ ... E ...
- ☉ E ... m
- ☉ ... m

## PROJECTS USING THE METHOD

L, L, L

# LIVING WALL CORRALS

## DESCRIPTION

*Similar to chain link fence corrals but uses live trees instead of poles as fence posts. Used for all livestock.*

## IMPORTANT ELEMENTS

① D... .. 0.5<sup>m</sup>  
①



# MANUFACTURED MOBILE CORRALS

## DESCRIPTION

This is a manufactured product that can be purchased to protect cattle. It is most frequently used on commercial ranches. It is made from a set of inter linking gates staked into the ground.

## IMPORTANT ELEMENTS

- Interlocking gates
- Stakes

## EFFECTIVENESS/PROS

- Effective
- Cost-effective
- Easy to use
- Durable
- Portable
- Can be used in various environments
- Can be used for multiple purposes
- Can be used for multiple animals
- Can be used for multiple seasons

## LIMITATIONS TO APPLICABILITY/ CONS

- Limited to certain environments
- Limited to certain animals
- Limited to certain seasons
- Limited to certain purposes

## COST

Approx. \$2000



## EXTERNAL INPUT NEEDED

- Labor
- Materials

## PROJECTS USING THE METHOD

None





# HOMEMADE NOISE MAKERS

## DESCRIPTION

A variety of home-made noisemakers are used to scare away lions

## IMPORTANT ELEMENTS

- E
- D
- 

## EFFECTIVENESS/PROS

- E
- 

## LIMITATIONS TO APPLICABILITY/CONS

- A

## COST

- D
- 

## EXTERNAL INPUT NEEDED

- 

## PROJECTS USING THE METHOD

- LG, C



A

C

# COMMERCIAL NOISE MAKERS

## DESCRIPTION

Commercially made noisemakers such as stadium horns ( e.g. vuvuzela) are used to scare off lions when they are seen

## IMPORTANT ELEMENTS

- 
- 
- C
- C

## EFFECTIVENESS/PROS

- E
- D

## LIMITATIONS TO APPLICABILITY/CONS

- 
- A
- 

## COST

\$10

## EXTERNAL INPUT NEEDED

## PROJECTS USING THE METHOD

C

# BELLS

## DESCRIPTION

*Bells hung around the neck of livestock usually cattle.*

## IMPORTANT ELEMENTS

A series of small bells hanging from a collar around the neck of a cow or goat.

## EFFECTIVENESS/PROS

A W G ®

# WATCH DOGS/HERDING DOGS

## DESCRIPTION

Local dogs used in pastures, corrals, homes as a warning system to let people know when wild carnivores are present.

## IMPORTANT ELEMENTS

Dogs must be trained to bark at the sight of a predator. They should be kept on a leash or in a fenced area to prevent them from attacking livestock or humans.

## EFFECTIVENESS/PROS

Cost-effective and easy to implement. Dogs are highly effective at detecting predators and alerting humans. They can be used in a variety of settings, including pastures, corrals, and homes.

## LIMITATIONS TO APPLICABILITY/CONS

- Dogs may be trained to bark at the sight of a predator, but they may also bark at other stimuli, such as people or other animals.
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## COST

Low cost. Dogs are a natural part of many rural communities and can be trained and used at a low cost.

## EXTERNAL INPUT NEEDED

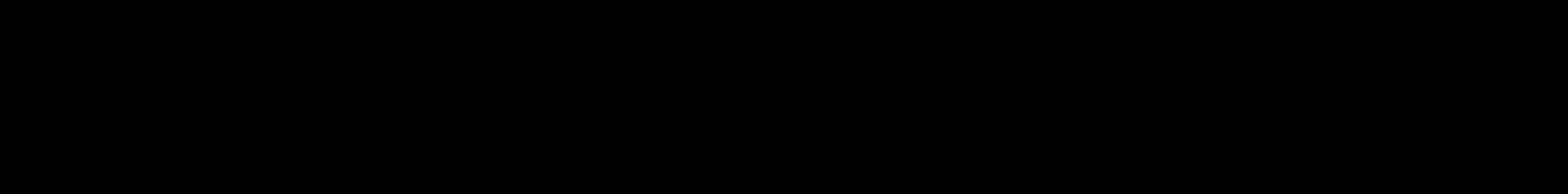
Training and support. Dogs need to be trained by experienced handlers and supported by a community that values their role.

## PROJECTS USING THIS METHOD

L, L, C, A, ,

L, N, C





# LIVING FENCES

## DESCRIPTION

Fences using live plants (hedge) to protect crops against bush pigs

## IMPORTANT ELEMENTS

- ① *Commiphora africana* (E...)
- ② ...
- ③ D ...
- ④ C ...
- ⑤ ...
- ⑥ ...
- ⑦ ...
- ⑧ ...
- ⑨ ...

## EFFECTIVENESS/PROS

- ① ...
- ② F ...
- ③ M ...
- ④ E ...

## LIMITATIONS TO APPLICABILITY/CONS

- ① C ...
- ② M ...
- ③ C ...



## COST

- ① ...
- ② ...
- ③ ...

## EXTERNAL INPUT NEEDED

- ① ...
- ② ...

## PROJECTS USING THIS METHOD

- ① C, M

# BAMBOO FENCES

## DESCRIPTION

*Fencing made of bamboo poles used to protect crops from bush pigs*

## IMPORTANT ELEMENTS

- ① *...*
- ② *L ...*
- ③ *M ...*

## EFFECTIVENESS/PROS

- ① *...*
- ② *C ...*

## LIMITATIONS TO APPLICABILITY/CONS

- ① *M ...*
- ② *L ...*
- ③ *...*
- ④ *...*

## COST

# POLE FENCES

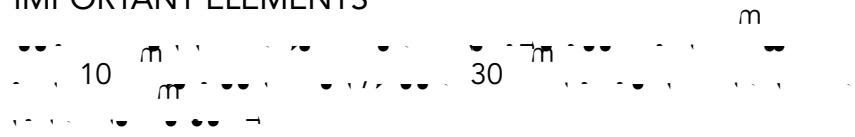
## DESCRIPTION

# LOG FENCES

## DESCRIPTION

Fence made of logs placed close together, no cross bars

## IMPORTANT ELEMENTS



## EFFECTIVENESS/PROS

- E. ... m ...
- D. ... m ... 3-5 ...
- M. ...

L N C

# TRENCHES

## DESCRIPTION

*Trenches dug around plots to protect crops from bush pigs*

## IMPORTANT ELEMENTS

- ① 1.5 m
- ② 2 m
- ③ 2 m
- ④ F
- ⑤ D

E



M -

# NOISE MAKERS

## DESCRIPTION

*Used as a method to deter bush pigs from entering crops and to warn people of bush pig presence*

## IMPORTANT ELEMENTS

- C...
- 5-...
- 25...
- H...
- B...
- /...

## EFFECTIVENESS/PROS

- /m...
- C...

## LIMITATIONS TO APPLICABILITY/CONS

- H...
- /...
- C...





# OUTDOOR TOILETS & BATHING ARE

# MONITORING & EXTENSION

## DESCRIPTION

*This involves hiring community members to monitor and assist with various aspects of managing conflict including recording information (conflict events, lion presence, snaring, movements), preventing retaliatory lion killing, advising and assisting with practical methods to reduce attacks (e.g. building corrals) and providing a link between wildlife agency and community.*

## IMPORTANT ELEMENTS

- ① Hire community members to monitor and assist with various aspects of managing conflict including recording information (conflict events, lion presence, snaring, movements), preventing retaliatory lion killing, advising and assisting with practical methods to reduce attacks (e.g. building corrals) and providing a link between wildlife agency and community.
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## EFFECTIVENESS/PROS

- ①

# KEY INFORMANTS

## DESCRIPTION

*Using people within the community to inform you of issues related to*

LIMITATIONS TO APPLICABILITY/CONS



# INTERACTIVE ACTIVITIES

## DESCRIPTION

*Various outreach activities including community meetings, presentations, workshops, film shows, theatre groups, training programs, wildlife clubs, field trips, exchange programs*

## IMPORTANT ELEMENTS



m m

m

m

# OUTREACH IN SCHOOLS

## DESCRIPTION

Any activities that involves outreach and education through formal education system in schools. Includes development of locally relevant curricula, lesson preparation, presentations, school outings, film shows, wildlife clubs, exchange programs, and educational workbooks

## IMPORTANT ELEMENTS

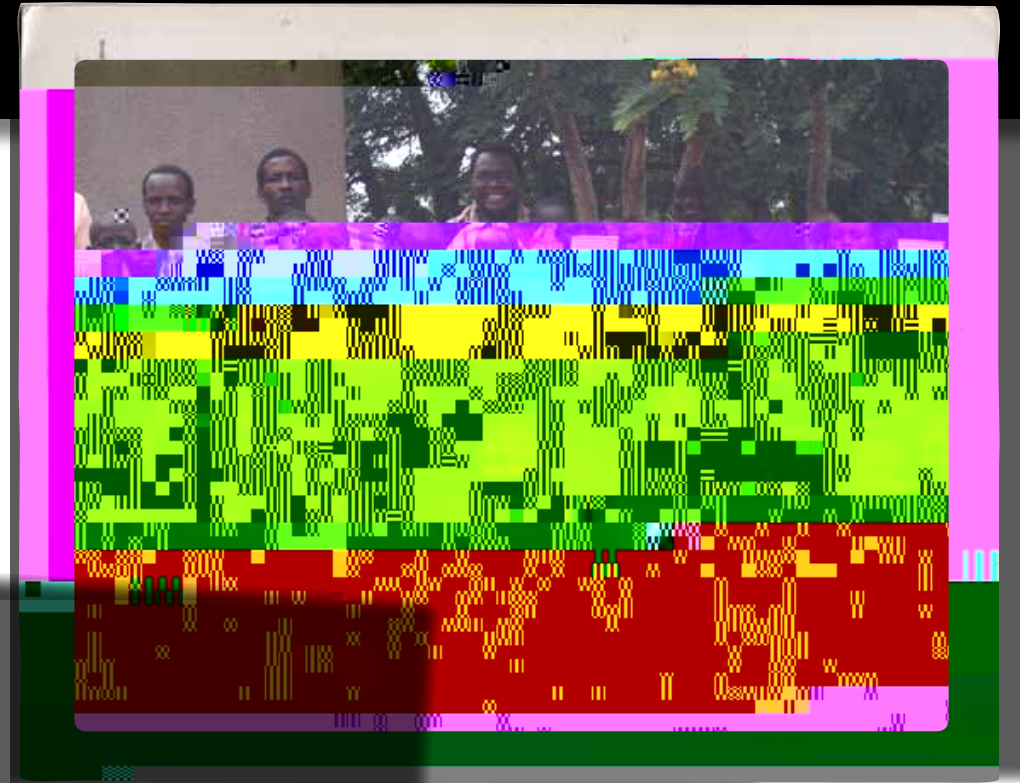
- ① Curriculum development
- ② Lesson preparation
- ③ Presentations
- ④ School outings

## EFFECTIVENESS/PROS

- ① Curriculum development
- ② Lesson preparation
- ③ Presentations
- ④ School outings

## LIMITATIONS TO APPLICABILITY/CONS

- ① Curriculum development
- ② Lesson preparation
- ③ Presentations
- ④ School outings



## EXTERNAL INPUT NEEDED

- ① Curriculum development
- ② Lesson preparation

## PROJECTS USING THE METHOD

HL, C, C, A,

# CONTACT DETAILS & CODES FOR RELEVANT ORGANIZATIONS & PROJECTS

Project Abbreviation	Project / Organisation	Contact Name	Email
ALWG	African Lion Working Group	Sarel van der Merwe	mwnatura@gmail.com
LG	Lion Guardians	Leela Hazzah	lhazzah@gmail.com
LWL	Living with Lions	Alayne Cotterill	alayne.cotterill@gmail.com
NCP	Niassa Carnivore Project	Colleen Begg	ratel@iafrica.com
NR	Niassa Reserve	Mbumba Marufo	mbumbamarufo@gmail.com
RCP	Ruaha Carnivore Project	Amy Dickman	amydickman@Gmail.com
RME	Rufiji Man-Eating Project	Hadas Kushnir	Kushn008@umn.edu
SNWPC	Selous-Niassa Wildlife protected Corridor	Wayne Lotter	



# NOTES

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