MAASAI WILDERNESS CONSERVATION TRUST





FOUNDER'S MESSAGE

It is very hard to summarize a full year in few lines. We think 2017 was a remarkable year in terms of how MWCT positively reacted to very tough challenges, and not just the Trust and its amazing employees, but the whole Maasai community. It was a year of droughts, which caused mortality in livestock, an unbearable pressure on the grasslands, with emotional and economical losses for the Maasai community. Yet the Maasai were able to not just maintain their tolerance versus wildlife, but even increased it.

Lions have predated more on livestock in 2017 than the previous year: more lions and more livestock and lack of dispersed wildlife (which moved toward the protected grasslands of our conservancies) caused this. Yet no lions were killed.

The drought caused elephants to suffer and when a mother was separated by her baby during an incursion in a cultivated area, a young Maasai man, father of 3, was killed. The community accepted the incident without asking for the killing of the elephant mother, who acted on the maternal instinct of protecting her baby. We are most impressed by such an expression of wisdom by the Maasai community and by the incredible tolerance toward their wildlife.

On a very positive note, 2017 was a historic year for our REDD+ Carbon Project: we had our first carbon credits sale, to Tiffany&Co.This amazing Payment for Ecosystem Services is now rolling and we look forward to invest the proceeds of the sale to protect the magical cloud forest of the Chyulu Hills and the 1,000,000 acres project area. While you read this you should consider to become carbon neutral and purchase our carbon credits! Every single one sold translates into more protection for our ecosystem. Contact us if you wish to look after the planet and offset your carbon emissions.

Nearly 300 amazing women and men dedicated their energies with passion and commitment toward implementing MWCT programs. You will read of their amazing performances and achievements in the following pages. We are proud to be working with and for them and our praises go to each member of this amazing team.

We look at 2018 with confidence, hoping to secure funds to assist the community in developing a Land Use Plan with a vigorous Grazing Plan, so that grasslands can be protected to sustain a bigger number of wildlife and a better quality livestock.

We thank all of our supporters and the whole amazing team of MWCT women and men,

Antonella, Samson and Luca

"If you feel something that is driving you, you shouldn't listen to the grown up who tells you 'grow up stop dreaming' - I didn't and that desire to follow my passion has led to something much bigger than

- Luca Belpietro, TEDxTalk

5

ECG

Moilo Grass Seed Bank Luci Lights/Ornaments/FGM

CONSERVATION

Wildlife Security & Habitat Protection Ranger Patrol Incidents & Conflict

Wildlife Monitorina **Species Sighting** Lion Monitoring Simba Scouts **Camera Trap Results**

Predator Protection Wildlife Pavs

Aerial Count **Collaborations & Events** Chyulu Hills REDD+ Carbon Project

HFAITH

Outreaches Immunization **Reproductive Health** Susan Komen **Public Health**

LIVELIHOODS

EDUCATION

Key Notes Challenges

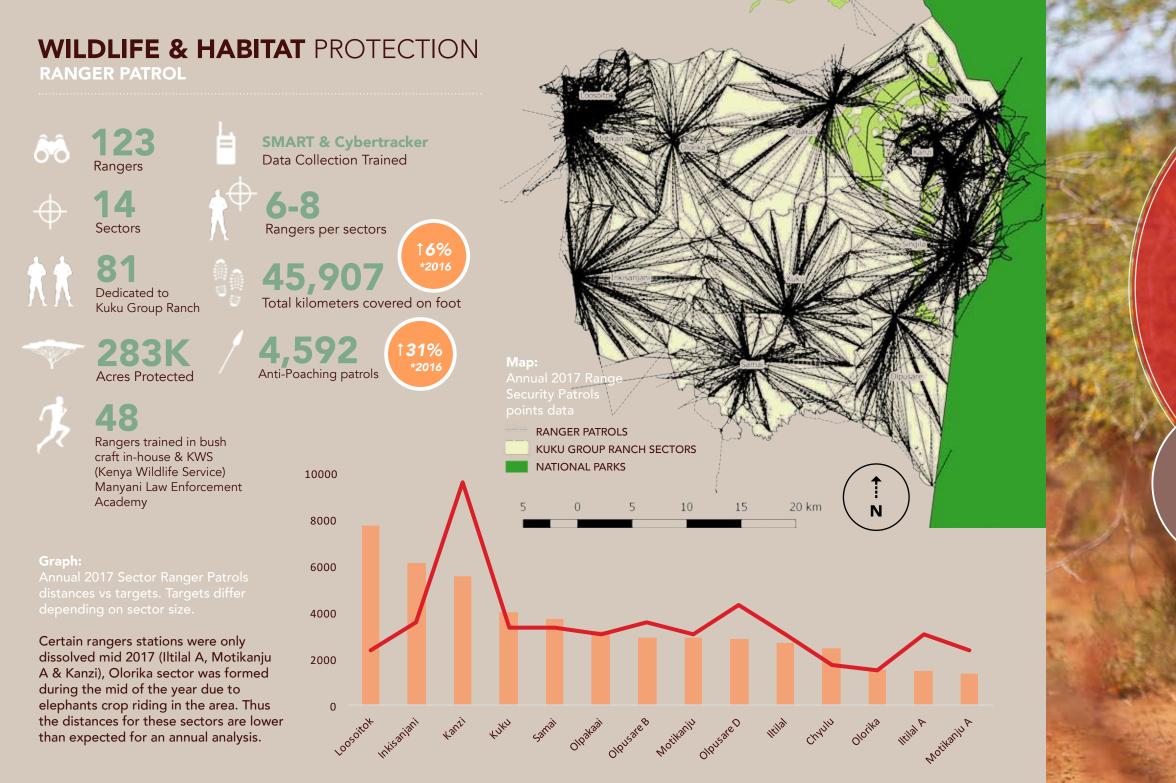
FINANCIALS PARTNERS & SUPPORT

TOTAL 370 MM

AVERAGE 649.8 MM

40% *2016

PASSIONATELY WORKING TO PROVE THAT NURTURING WILDLIFE AND THEIR ECOSYSTEM BENEFITS THE LOCAL COMMUNITY AS A WHOLE



12,000 ACRES HIGH VALUE CONSERVANCIES PROTECTED:

MOTIKANJU + KANZI

FOREST, GRASSLAND & CRITICAL WILDLIFE CORRIDOR

NO GRAZING NO POACHING HIGH LAW ENFORCEMENT PROTECTED BY **25 RANGERS**

1,398

ANTI-POACHING PATROLS

17,598 TOTAL KM FOOT PATROL OF AREAS 123%

*2016

WILDLIFE & HABITAT PROTECTION **INCIDENTS & CONFLICTS**

4 LION HUNTS PREVENTED *2016 13 SUSPECTS ARRESTED **0** ↓60% SNARES REMOVED *2016

5 POACHING INCIDENTS 1 Buffalo 2 Zebra 1 Giraffe 2 Lesser Kudu 8

JOINT PATROLS

Items recovered 1 Spade 2 Motorbike 2 Machetes

CHARCOAL BURNING &

O ILLEGAL FIRES

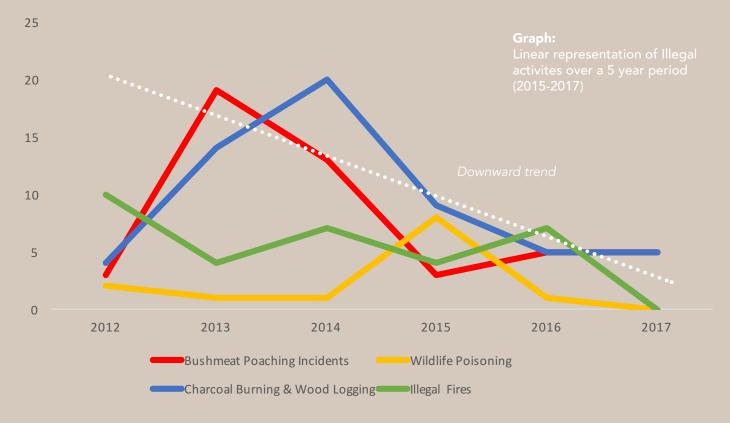
STORY **SPOTLIGHT**

Elephant Mortality

MWCT team successfully convinced no spearing by the community, our team searched for the elephant for 3 days, assisted in burial arrangements for affected family







KEY NOTES

Culprit arrested

Tusks intact

Culprit arrested

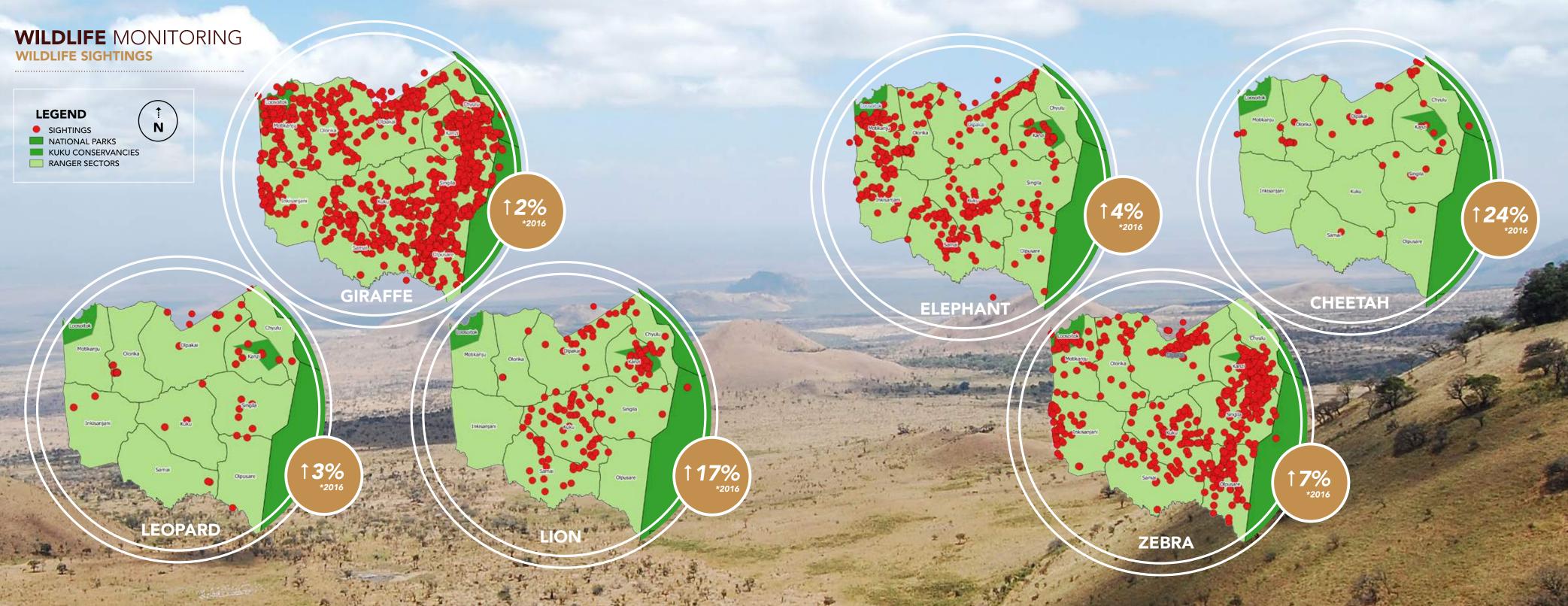
Jul 22nd Investigated & found to be self defense Elephant treated but succumbed to

Retaliation prevented

its wounds 4 hours after treatment Tusks recovered to Amboseli

Dec 28th

Culprit arrested



WILDLIFE MONITORING LION MONITORING

Collaring lions is a critically important step towards mitigating human-wildlife conflict. 5 individual Lions on the Kuku Group Ranch have been collared with GPS/VHF tracking collars and their movement during 2017 is illustrated in the descriptive map. The monitoring enables our team to collect data on population growth rates and habitat utilisation on the Kuku Group Ranch.

LEGEND SAT2173 NAMUNYAK SAT1934 ORKIRIKO SAT1935 NELUAI

- SAT2174 NESAMBU SAT2201 NORMANI
- KUKU GROUP RANCH SECTORS NATIONAL PARKS



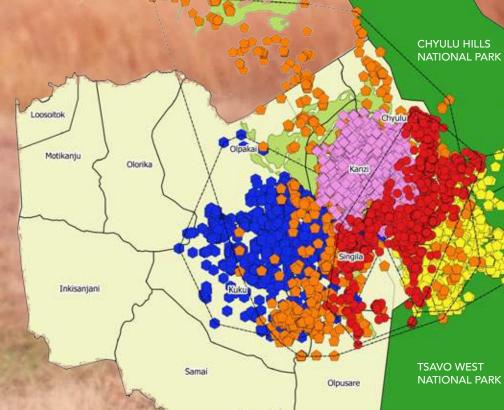


Photo: AUG 2017 De-collaring of Lentim Conservation Manager ain Olivier taking e Spotlight stor

 LION POINT EVERY 3 HRS 10% CORE TERRITORY 50% TERRITORY **95% TERRITORY NATIONAL PARKS**

Lentim Jul-Dec'16 Kuku-Rombo

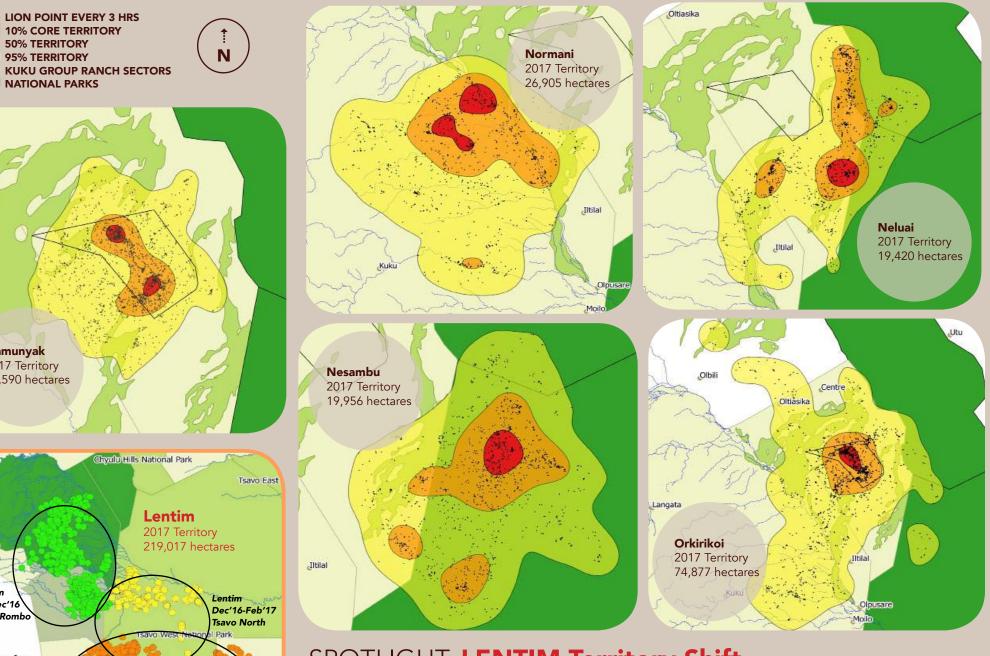
Namunyak

2017 Territory

10,590 hectares

Tanzania

Lentin Feb-Aug'17 Tsavo South



SPOTLIGHT: LENTIM Territory Shift

Collared May 26 2016, Sub-Adult, 3yrs

Formed a young male coalition moving from Rombo and Kuku. Involved in many livestock predation incidents. Overtime expanded his territory into Tsavo West National Park. Became less involved in community livestock predation & shifted eating patterns to wildlife.

De-collared Aug 20 2017

Lentim was able to mature and disperse into Tsavo West National Park so we no longer needed to monitor movements and mitigate against human-wildlife conflict. A dispersal by a lion born into a high conflict community owned group ranch proves that Kuku Group Ranch has seem to shift from the traditional perceived "sink population" to be a part of the source population of lions in the area.

WILDLIFE MONITORING SIMBA SCOUTS

This is a **dedicated team of 14 Maasai warriors** (Moran), who day in and day out monitor GPS collared lions and other wildlife species. 13 Moran gather data & the 14th, Peter Sompol (Chief of Kuku Moran) educates the communityon lions within the area and is key in helping persuade against lion hunts. Data collected is analysed and used to gauge various aspects of different wildlife species such as their eating habits. The monitoring is also a very significant measure to mitigating human-wildlife conflict within the local Maasai communities.

LION COLLARING

2nd Quarter 2 Lioness + 1 Male Nesambu: New Namunyak: Re-collar Orkirikoi: Collar adjustmer

3rd Quarter 1 Male Lentim: De-colla

Joint operations with DSWT (David Sheldrick Wildlife Trust KWS (Kenya Wildlife Service)

> Photos: De-collaring of Lentim+ Teeth measurement

19,830 Simba Scouts Total kilometers covered on foot

10% *2016

Мар:

Annual 2017 Simba Scout Patrols points data

SIMBA SCOUT PATROLS KUKU SECTORS NATIONAL PARKS

Graph:

Annual 2017 Simba Scout Patrols distances & targets *those that did not reach targets experienced cybertracker issues

250(

Inkisanjani

2000

1500

Distance Covered

Mapphi parisoto Levier Levier Sainni Suviente Beente Skovo kutato soneo pavioi Tetle

Target

WILDLIFE MONITORING CAMERA TRAP SIGHTINGS

\checkmark	GIRAFFE	V ZEBRA
\checkmark	ELEPHANT	V BUFFALO
	HYENA	DIK DIK
\checkmark	Spotted Striped	V JACKAL
\checkmark	WARTHOG	V KUDU
	LION	
\checkmark	Female Male Cubs	√ SECRETA
\checkmark	LEOPARD	
	СНЕЕТАН	
	GAZELLE	

RY BIRD

GAZELLE Grant's Thomson's

BABOON

IMPALA

ELAND

HARTEBEEST

WILDEBEEST















\$78,912 TOTAL PAY OUT OF CLAIMS FOR 2017

1,671 INCIDENTS

4.5 VERAGE NUMBER **OF INCIDENTS**

PER DAY IN 2017

16,285 YEARLY KMS TRAVELLED PER VERIFICATION OFFICER

PREDATOR PROTECTION WILDLIFE PAYS COMPENSATION PROGRAM

PES (PAYMENT FOR ECOSYSTEM SERVICES) Protecting the major predators of our ecosystem in Kuku Group Ranch

FULLY SUSTAINABLE

FUNDED BY CONSERVATION SURCHARGES THROUGH ECOLODGE PARTNER, CAMPI YA KANZI

THE PROCESS

- Multi-layer system of Verification and 5 dedicated Officers
- Detects and prevents fraud that might undermine the program
- Payments made quarterly
- Compensation is based on 4 types of livestock losses
- Ensures Maasai pastoralists utilize good husbandry practices
- Prevent greater or further losses

COMMUNITY OUTREACHES

Rangers, prominent community figures and MWCT staff, conduct meetings with communities that are feeling increased pressure of predation, as well as with the young Maasai warriors (Morans), to prevent the groups from any lion killing in retaliation to livestock

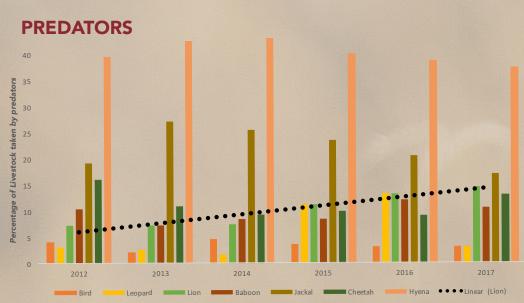
During 2017, we observed a marked increase in the number of Wildife Pays incidents recorded and approved for compensation. The most significant increases in livestock depredations were most evident in the last two quarters of the year and can be attributed to drought conditions and an **influx of livestock** from areas outside of Kuku GR. This, coupled with the **increasing lion population** in Kuku, led to these raised levels of depredation. Even more positive to note is that with the increase lion population, and increased incidents, the number of "no negligence" claims, (implying good husbandry), exceed the number of negligent claims. A truly positive sign. ······ LIVESTOCK

2012

······ LIONS/KM

Overall percieved trends are depicted in the graph on the right over a 6 year period.

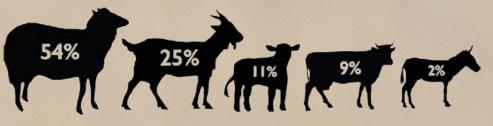
2017



The most livestock taken in relation to predators were due to Hyena. Over the course of 6 years there has also been an increase in incidents by lions, this could be due to the recovering lion population in the area. Data shows that lion sightings have increased by 17% since 2016. This data coupled with a decrease in community retaliations and lion hunts could also be a reason for the increase in incidents by Lions. Specific percentages for the amount accounted for from each predator are reflected in the info graphic below.

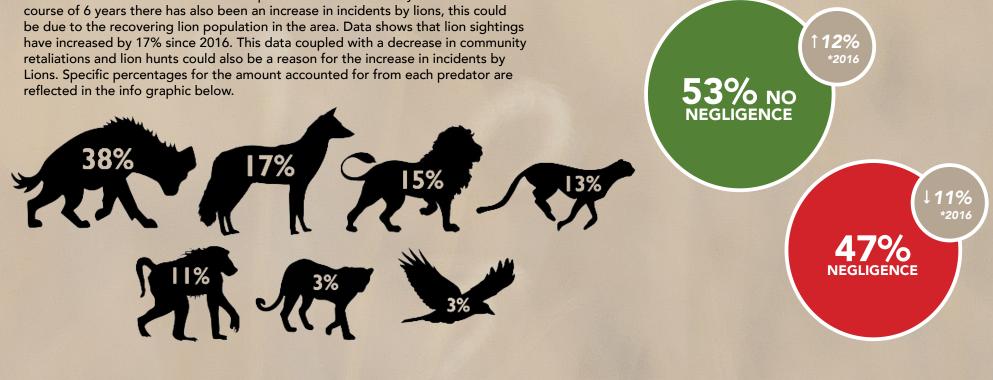
HEADS OF LIVESTOCK

A total of 2,240 heads of livestock were killed this year. The majority of livestock killed by predators were sheep followed by the other livestock species seen in the info-graphic below.



CLAIMS

The total pay-out of claims was 7,987,050 Ksh (78,912 USD), an increase to the amount paid in 2016 (6,580,700 Ksh / 64,951 USD). However, the number of no-negligence claims still outweight that of negligence claims.



KUKU AERIAL CENSUS WILDLIFE / LIVESTOCK COUNT

AIM: To understand wildlife and livestock distribution/abundance on Kuku Group Ranch MWCT began aerial surveys in 2010 as part of a long-term ecological monitoring plan for the group ranch, and to inform decision making going forward. We monitor trends and changes over time, which is an important part of being able to develop appropriate conservation management strategies to effectively implement adaptive management.

2017 - MAY 14 (Wet Season) & OCT 30 (Dry Season)

Transects were flown systematically between 2 planes, following a north to south bearing at a height of approximately 500 ft and at a speed of approximately 110 mph with an approximate cumulative 7 hours of flight time. Overall the wildlife population remains stable with both reductions and increases in various species population sizes.

1**22%**

*2016



Combined 2017 Aerial Survey points of Wildlife & Livestock

> LIVESTOCK POINT KUKU GROUP RANCH NATIONAL PARKS

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KEY MEETINGS

1ST QUARTER Field Ops & Leadership training

Quarterly meeting

2ND QUARTER

KLWSS (Kenya Livestock & Wildlife Syndrome Surviellance) Training

SMART Training and refreshment

Wildlife intelligence and crime incident training

3RD QUARTER Community Scouts Policy + Manyani Curriculum Review Workshops

Leadership & Ranger Training

4TH QUARTER Ranger's Graduation from 2 months training - all performed very well

WE SAW POSITIVE RESULTS **TWO BEING THE 17% INCREASE IN LION SIGHTINGS AND 24% CHEETAH SIGHTINGS THIS YEAR...**

May Aerial Count Team (L-R Emmanuel, Lanoi, Michael, Tricia, Muterian, David, Lenayai, Iain, Irene, Luca) Oct Aerial Count Team (L-R Lenayai, Ishmael, Muterian, Luca, Matthew, Zachary, David, Iain, Julie, Tricia)

COLLABORATIONS & EVENTS **MWCT MEETINGS | NEW YORK CITY MARATHON**

TCS NEW YORK CITY MARATHON

Young Maasai Warriors traditionally go out to hunt lions as an act of displaying their manhood and coming of age. We provide an alternative avenue for young Maasai boys and girls to exercise and showcase their skills, rather than traditional practices. This year we sponsored our **FIRST WOMAN RANGER** to run in the NYC Marathon with several other supporters from all over the world. We surpassed our goal for MWCT and couldn't be more grateful with the amount of support we received throughout the year and during our stay in New York City.

Special thanks to our incredible team of runners for their passion and fundraising efforts, we couldn't do it without you!

QUICK FACTS

CHYULU HILLS REDD+ CARBON PROJECT **OUR FIRST SALE**

WHAT IS REDD+

The main drivers of forest destruction are economics and poverty. **REDD+** is a mechanism that has been developed through the UN Framework Convention on Climate Change (UNFCCC) to provide economic incentives to protect forest rather than destroy it.

By protecting forests, greenhouse gas emissions are avoided. The international carbon markets recognise that carbon emissions result in real costs and risks to the planet as a result of the damage caused by climate change – droughts, extreme weather, sea level rise, loss of glaciers, ocean acidification, etc.

Payments to REDD+ projects enable individuals, companies and institutions to reduce their net emissions and receive "carbon credits" that offset their carbon footprint.

CHYULU HILLS - a critical corridor

The Chyulu Hills sit close to Kenya's southern border with Tanzania nestled in front of Mount Kilimanjaro, which towers over this iconic African landscape. The hills themselves, like the great mountain, are the result of the violent volcanic history of this region. They gently rise nearly 4000 ft above the surrounding dry plains and savannah, just high enough to capture the clouds and provide conditions for the growth of a lush tropical montane cloud forest along its ridge tops. The landscape (nearly 4000 sq. km) forms a critical "bridge", linking together two of Kenya's most important wildlife areas, the greater Tsavo Ecosystem and Amboseli Ecosystem.

This area is home to Kenya's largest surviving population of elephants and one of its foremost large-scale wildlife and wilderness areas. The Chyulu Hills REDD+ Project aims to protect the Chyulu Hills landscape, its forests, woodlands, savannahs, wetlands and springs, and its wild populations of Africa's best known animals lions, cheetahs, wild dogs, rhinos, elephants, and various antelopes.

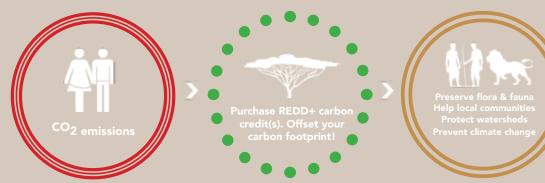
CREDIT STANDARDS

- HIGHEST **GOLD RATING** DUE TO EXCEPTIONAL BENEFITS

9 STAKEHOLDERS CHYULU HILLS CONSERVATION TRUST

- KUKU B
- KENYA WILDLIFE SERVICES
- KENYA FOREST SERVICES
- MAASAI WILDERNESS CONSERVATION TRUST
- BIG LIFE FOUNDATION
- DAVID SHELDRICK WILDLIFE TRUST

HOW IT WORKS



100% OWNED AND MANAGED BY LOCAL INSTITUTIONS

†**90%**

Carbon footprint of the

average American compare

to the average Kenyan's.

↑**75%**

in CO_{2 EMISSIONS}

15-20%

of Greenhouse Gases are

(more than cars, planes &

trains put together)

caused by Forest destruction

since 1960

Imilion

NATIONAL PARK

IMPACTS

ACRES OF LAND PRESERVED

NATIONAL PARKS CONSERVED & A VITAL DISPERSAL AREA FOR AMBOSELI

> MAASAI PEOPLE HELPED

PRESERVING A CRITICAL WATERSHED FEEDING WATER TO MOMBASA

> **PROTECTING ICONIC & ENDANGERED WILDLIFE**

FIRST SALE TO TIFFANY&CO

"NEW YORK, September 27, 2017 – As part of its commitment to address climate change, Tiffany & Co. today announced that it is purchasing renewable energy credits equivalent to 100% of its U.S. electricity use in 2017. Tiffany & Co.'s remaining 2017 emissions will be balanced through an investment in the Chyulu Hills Conservation Trust's REDD+ Project. As the first major corporate backer of the project, Tiffany will support landscape scale conservation - protecting endangered and iconic species, and a critical Kenyan watershed – while creating ew sustainable economic opportunities for the loca communities." - Tiffany&Co. Press Release

> "The Chyulu Hills REDD+ Project represents a model partnership between government, local communities, and the private NGO sector to build a much needed sustainable funding model for conservation." UDI WAKHUNGU (Cabinet Secretary for Ministry of Environment, Water and Natural Resources of Kenya

HEALTH PROGRAM **11 YEAR** ANNIVERSARY

To ensure that the community benefits from our Health Program continue in perpetuity, MWCT employs health staff, runs and supports several dispensaries and supplies medical equipment and essential drugs to the community.



Makindu Mbuinzau 0,400 Kibwezi TREATED Maikuu Chyulu Hills National Park Oltiasika Dispensary Olorika Dispensary Kimana Langata Dispensary **MWCT Research Centre** Oloitokitok Kuku Dispensary Laset Tarakea, **7,000** Total kilometers covered in all of 2017 Mkuu

"2017 was fulfilling for us and we look forward to working together with our partners towards delivery of health services for the Kuku community in the future...

A **big thank you** to our supporters, partners, the county government of Kajiado and the Susan G Komen Foundation for enabling us to continue doing our work."

> **Dr. Edward Omete** *MWCT Doctor*

LIVELIHOODS PROGRAM Self-Sustaining Employment Among Maasai Women

MWCT supports the Maasai to explore other income generating activities. While widespread illiteracy poses a challenge, MWCT pursues creative ways to build financial understanding and grow the capacity of the Maasai – especially women – to run profitable enterprises.

> minten aller av aver STORY SPOTLIGHT WOMEN SUPPORTING WOMEN

MOILI GRASS SEED BANK WOMEN Made a 50,000 KSHS DONATION towards our first Maasai Woman Ranger who ran in the NYC Marathon from their earnings

MOILO GRASS SEED BANK

JUSTDIGGIT Sponsor

10 Local Women in Charge

10 hectares Project area

1.5 high electric fence Ptotection

745kgs Grass Seeds Harvested

640kgs Grass Seeds Sold

1200 Kshs (12 USD) Per Kgs Grass Seed sold

70 bales Hay Harvested

30 bales Hay Sold

300 Kshs (3 USD) Per Hay bale sold

LUCI SOLAR LIGHTS

A NEW COURSE/MPOWERD

The goal was to not only reverse the negative health effects from the kerosene lanterns traditionally used, but also to provide a platform for the women to establish an alternative income generating enterprise for themselves. By saving money from no longer purchasing kerosene, the women were able to contribute regularly to an enterprise that would benefit them in a sustainable way.

119 Luci Lights Distributed

CHRISTMAS ORNAMENTS

A NEW COURSE Sponsor

247 Ornaments sold

FGM (Female Genital Mutilation Outreach)

A NEW COURSE Sponsor

26 Trained Anti-FGM Influencers

620 Young Maasai Girls reached

EDUCATION PROGRAM

57 13 Support staff 157 **Bursaries**

00

KEY NOTES

1 Teacher - 50 Pupils

2nd term, English, Iltilal Primary

Lower classes, Iltilal Primary School

SCHOOL SUPPLIES

1075 pupils recieved textbooks, exercise books, pencils & erasers Solar power & Tapped water E-Learned Tablets (Ministry of Education)

MWCT purchased branded pens & notebooks for every student in Kuku Group Ranch

Iltial Mixed + Enkii Boys

2 pupils sat for KCSE (Kenya Certificate of Secondary Education) Exam and qualified to join Kenvan Public Universities

Photos: Moilo Grass Seed Bank Women Luci Lights with Maasai family

Schools supported

Teachers employed

506 pupils from 17 schools sat for KCPE Exams

Olorika Primary School improved score by 21% since 2016

60

19

Scholarships

8,483

52% 48%

Students enrolled

Iltilal Primary School

1st - Science 2nd - Social Studies 3rd - Math

Hope Namelok Kispan (386/500 score) Iltilal Kanzi Primary School

David Sarinke Loolosho (391/500 score) Iltilal Kanzi Primary School

Celebrate exam performances

Maasai Elder also teaches cultural classes

PARTNERSHIPS

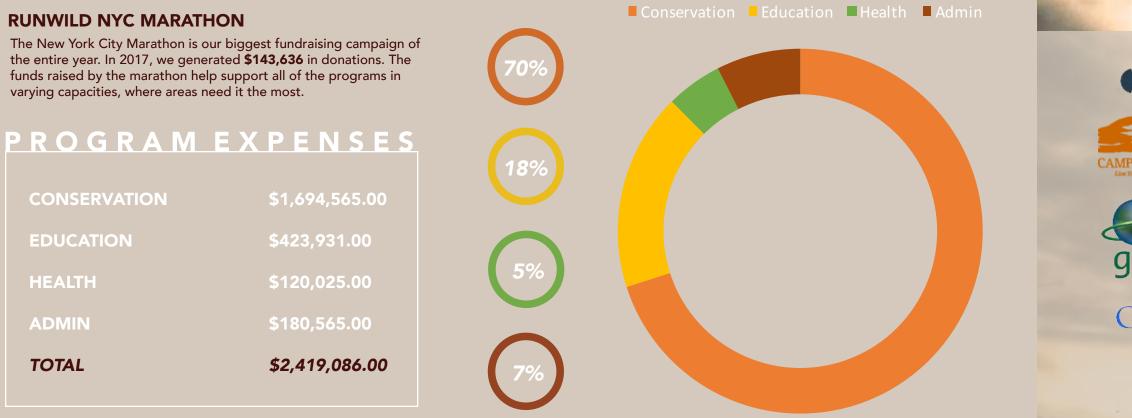
Ministry of Education Loitoktok Subcounty Education Office Government Educatoin Office Naisula School University of Arizona

CHALLENGES

Losing Part-Time teachers to Government Services. Teacher's Service Commission absorbed 4 of our teachers in 2017. Our desire is to continue to look for funds to harmonize teacher salaries to Government packages and build more classrooms and hire more teachers to improve education standards.

MWCT FINANCIALS PROGRAMS & ACTIVITIES

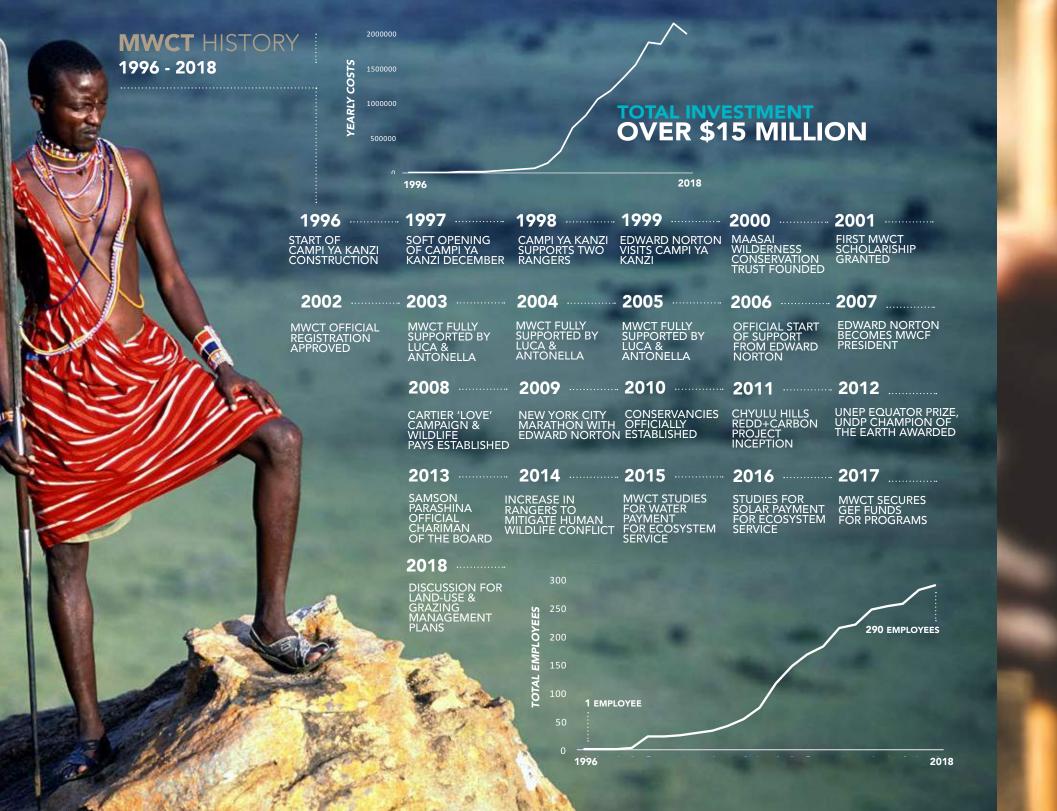
PARTNERS & SUPPORTERS THANK YOU - ASANTE SANA





We are grateful for the continuous support that we receive from our donors and partnered organizations that aid us in achieving the goals and work expressed above. Some of our esteemed partners are shown above.







WORKING WITH THE COMMUNITY FOR THE PROTECTION AND PRESERVATION OF CULTURAL HERITAGE, THRIVING WILDLIFE AND A VITAL ECOSYSTEM.

PASSIONATELY WORKING SINCE 1996

MAASAIWILDERNESS.ORG