

Dear reader.

2019 was a very complex year for Maasai Wilderness Conservation Trust. A year of efforts and successes.

The ecosystem was revived by one of the richest annual rainfalls. In the last three months of the year, we received plenty of rains. Everything is green and lush, the water table well restored.

The Chyulu REDD+ carbon project went in full gear in 2019, with a carbon credits sale of nearly \$2,000,000 to Gucci. This is enabling proper and enhanced protection of the 1,000,000 acres REDD+ Project Area, as well as delivering immense benefits for the communities.

The continuous success of our wildlife protection means that predators are increasing and their pressure on livestock is significant, yet the Maasai landlords have proven very tolerant and totally engaged in pursuing, together, coexistence with carnivores.

One of the most significant achievements of the year was the production of a Land Use Management Plan, with and through the involvement of the community at large. More than 4,000 members contributed to the creation of the Plan. Its implementation is now in the hands of the elected leaders and MWCT is proud to have facilitated achieving this milestone goal.

The other historical achievement has been the creation and implementation of the Olpusare Conservancy. The spring was a theatre of destructive farming, and we engaged the community to transform it into a restoration project. The 500 acres of critical wetland, was sustainably transformed from tomato farming to tree planting. A dedicated workforce of 13 rangers was created and 100 community members were engaged to ecologically restore the area. A student camp, in partnership with Institut Le Rosey, will be opening in July 2020, creating 40 jobs for community members and sustainably paying for the conservancy costs.

We look at 2020 with the optimism of seeing the REDD+ carbon project growing further and becoming a beacon solution to address climate change, while aware that these amazing rains will lead to a higher threat of bush fires. We are working with the community to implement a grazing plan which can decrease these fire risks.

My very best, Luca Belpietro

CONSERVATION

Wildlife Security & Habitat Protection Ranger Patrol Incidents & Conflict

Wildlife Monitoring
Species Sighting
Lion Monitoring
Simba Scouts
Camera Trap Results

Predator ProtectionWildlife Pays

Aerial Count
Collaborations & Events
Chyulu Hills REDD+ Carbon Project

HEALTH

Outreaches Immunization Reproductive Health Public Health Ante Natal Care

LIVELIHOODS

Grass Seed Banks/Beading Hippo Rollers/Anti-FGM

EDUCATION Key Notes

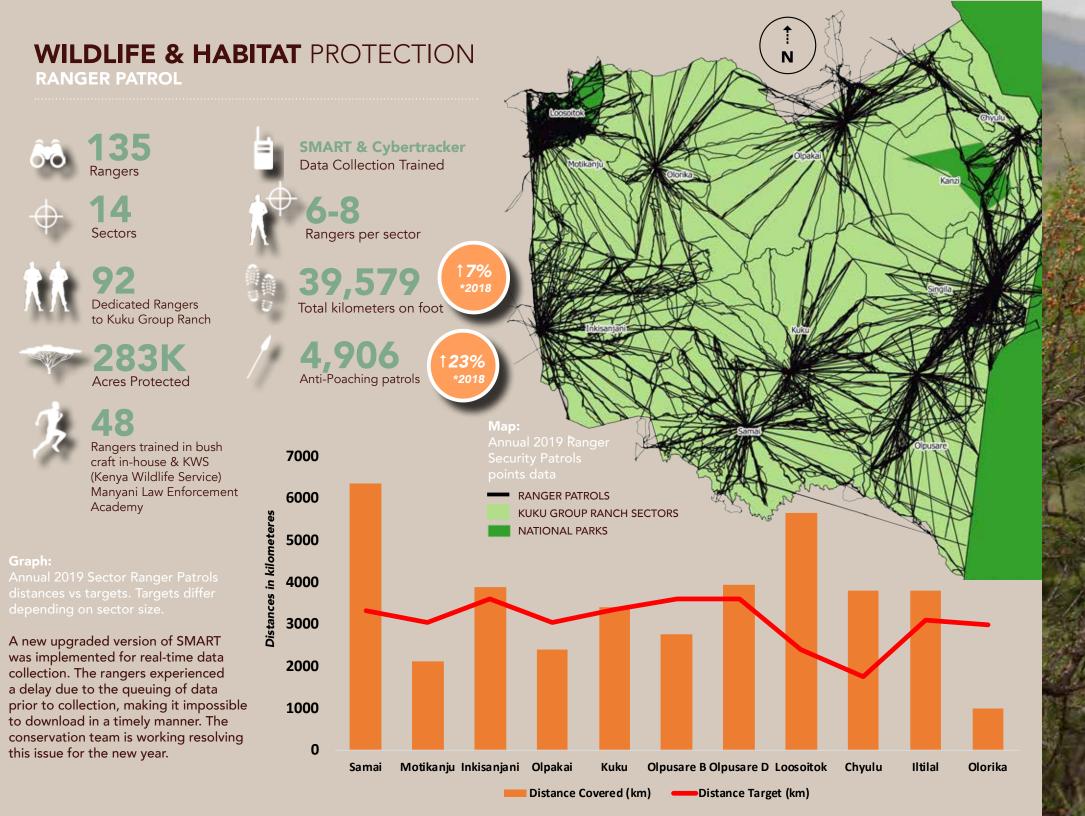
Key Notes Challenges

FINANCIALS
PARTNERS & SUPPORT



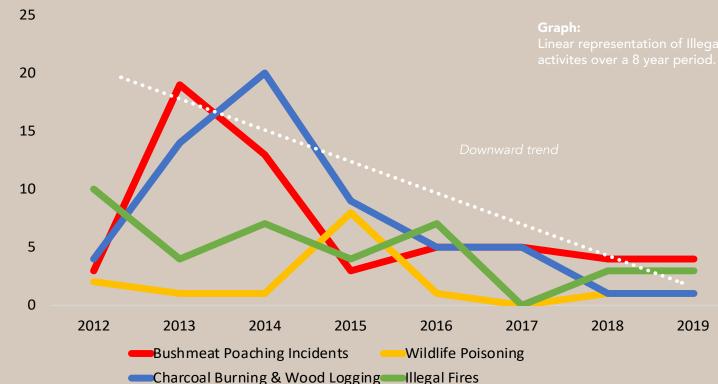
PASSIONATELY WORKING TO PROVE THAT NURTURING WILDLIFE AND THEIR ECOSYSTEM BENEFITS THE LOCAL COMMUNITY AS A WHOLE

MWCT NATURE WORKS



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 2,126 **TOTAL KM FOOT** PATROL OF BOTH The distance covered this year **CONSERVANCIES** decreased due to a change in their patrol method. They've strategized their **↓78%** monitoring from the top of look out hills *2018 instead of general patrol walking.





KEY NOTES

Goat carcass laced with poison

Culprit at large & MWCT investigation ongoing

MWCT rangers found the carcasses on a routine patrol, the buried the carcasses

MWCT rangers dismantled snare

Apr 27th

MWCT removed 40kg tusks and taken Culprits at large, MWCT investigation to KWS Komboyo for safe keeping

1 Culprit arrested

Culprits at large, MWCT investigation ongoing with KWS & BLF

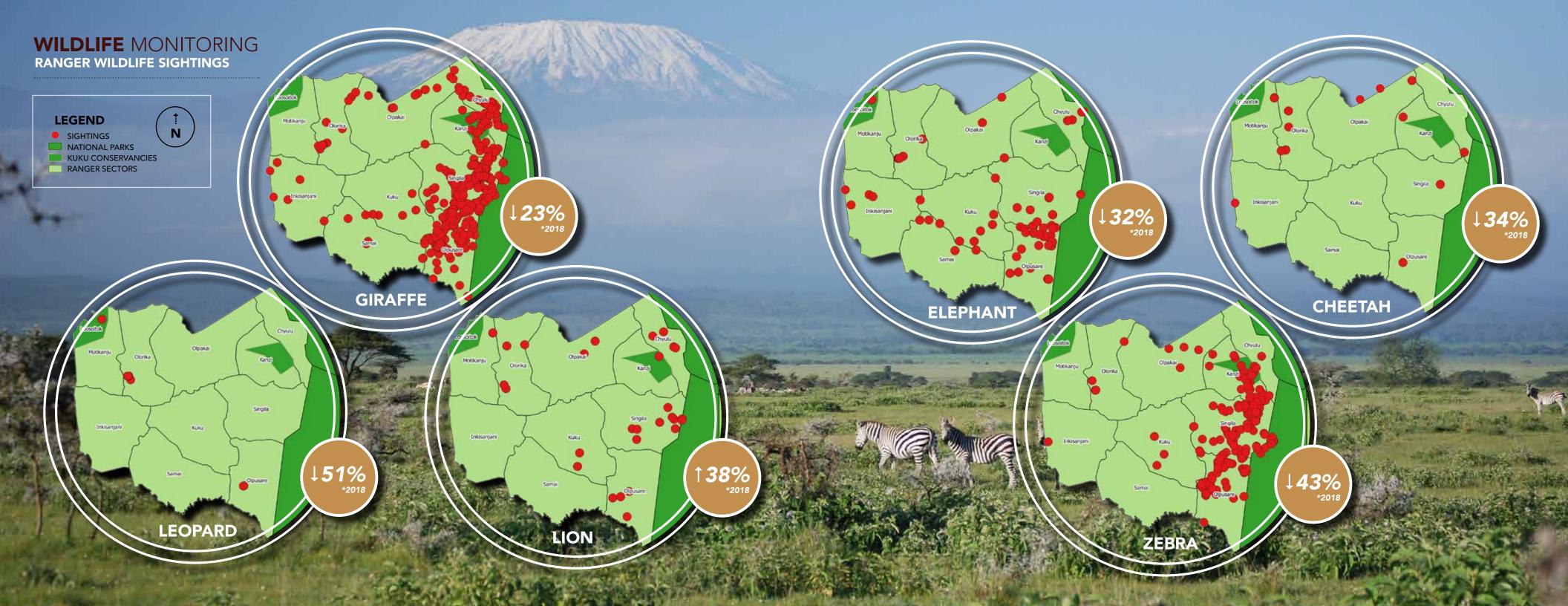
2 Culprit arrested

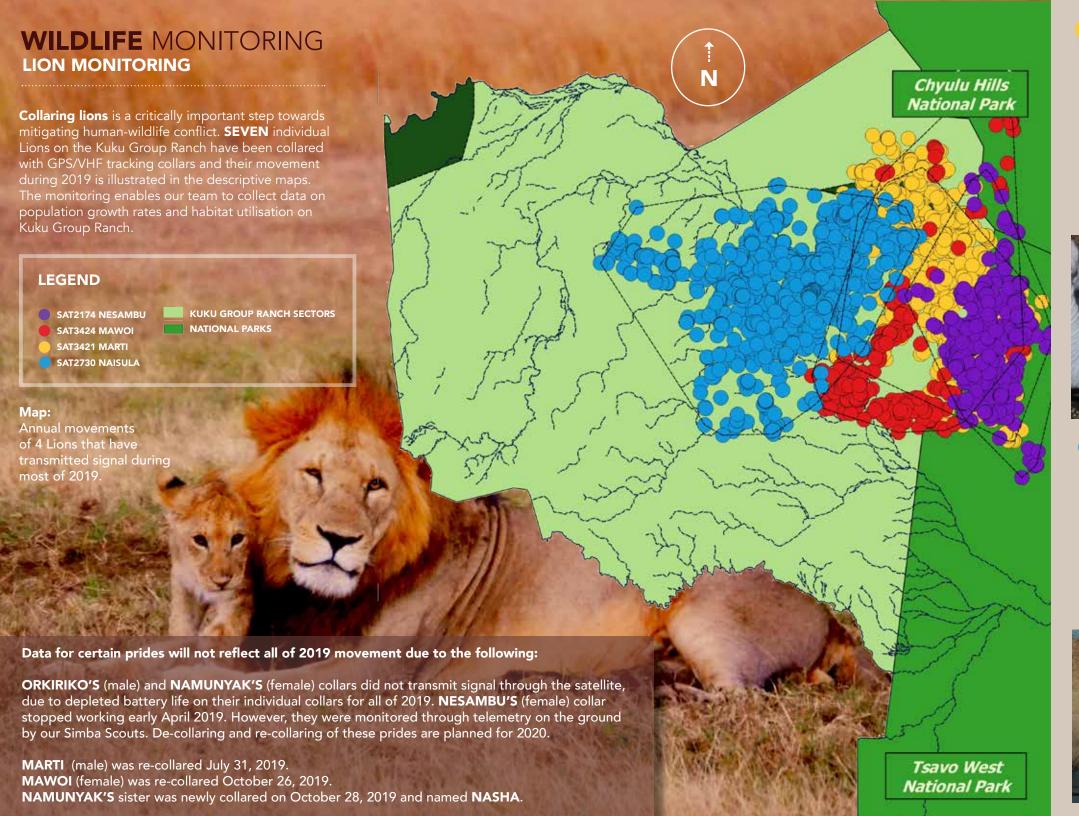
ongoing with KWS& BLF

Culprits at large, hiding in Imbirikani MWCT investigation ongoing

Langata, Endonya Emunyu, Olpusare, Samai, Kuku Village and Olorika Areas.

MWCT Ranger Sectors & Rapid Unit acted immediately and efficiently to mitigate all potential retaliations from the damages.





MARTI (male)

He was often seen moving with his brother. He spent most of his time in Kanzi conservancy, as well as Mukao, Singila, Oldonyo, Loonkitok and Lenyawaitie.

- LION POINT EVERY 3 HRS
- 10% CORE TERRITORY **50% TERRITORY**
- 95% TERRITORY
- **KUKU GROUP RANCH SECTORS**

NAISULA (female)

is part of a pride of 2 females.

conservancy, as well as Olbongo,

KUKU GROUP RANCH SECTORS

Kuku plains and Olmanie areas.

■ LION POINT EVERY 3 HRS 10% CORE TERRITORY 50% TERRITORY 95% TERRITORY

NATIONAL PARKS

NATIONAL PARKS



MAWOI (female)

is part of a pride of 5 members.

- LION POINT EVERY 3 HRS
- 10% CORE TERRITORY





She spent most of her time in Chyulu Hills National Park, Loonkitok, Eyata River and around Iltilal village.

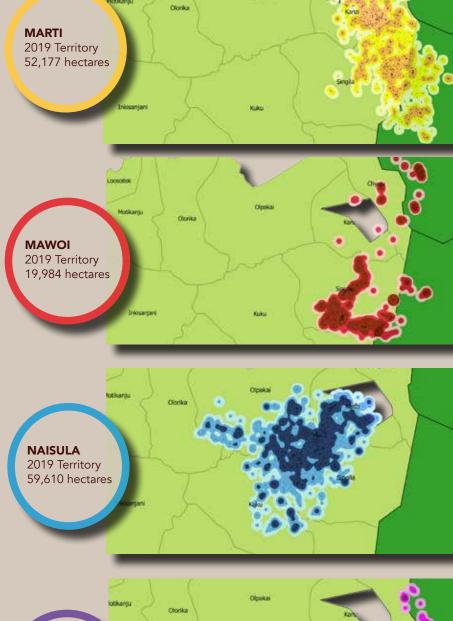
- 50% TERRITORY 95% TERRITORY
- **KUKU GROUP RANCH SECTORS**
- NATIONAL PARKS



NESAMBU (female)

is part of a pride of 8 members. She was last seen with cubs moving towards Tsavo West National Park.

- LION POINT EVERY 3 HRS
- 10% CORE TERRITORY
- 50% TERRITORY
 - 95% TERRITORY **KUKU GROUP RANCH SECTORS**
 - NATIONAL PARKS





WILDLIFE MONITORING

SIMBA SCOUTS

This is a dedicated team of 18 Maasai warriors (Moran), who day in and day out monitor GPS collared lions and other wildlife species. 17 Moran gather data & the 18th, Peter Sompol (Chief of Kuku Moran) educates the community on 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.

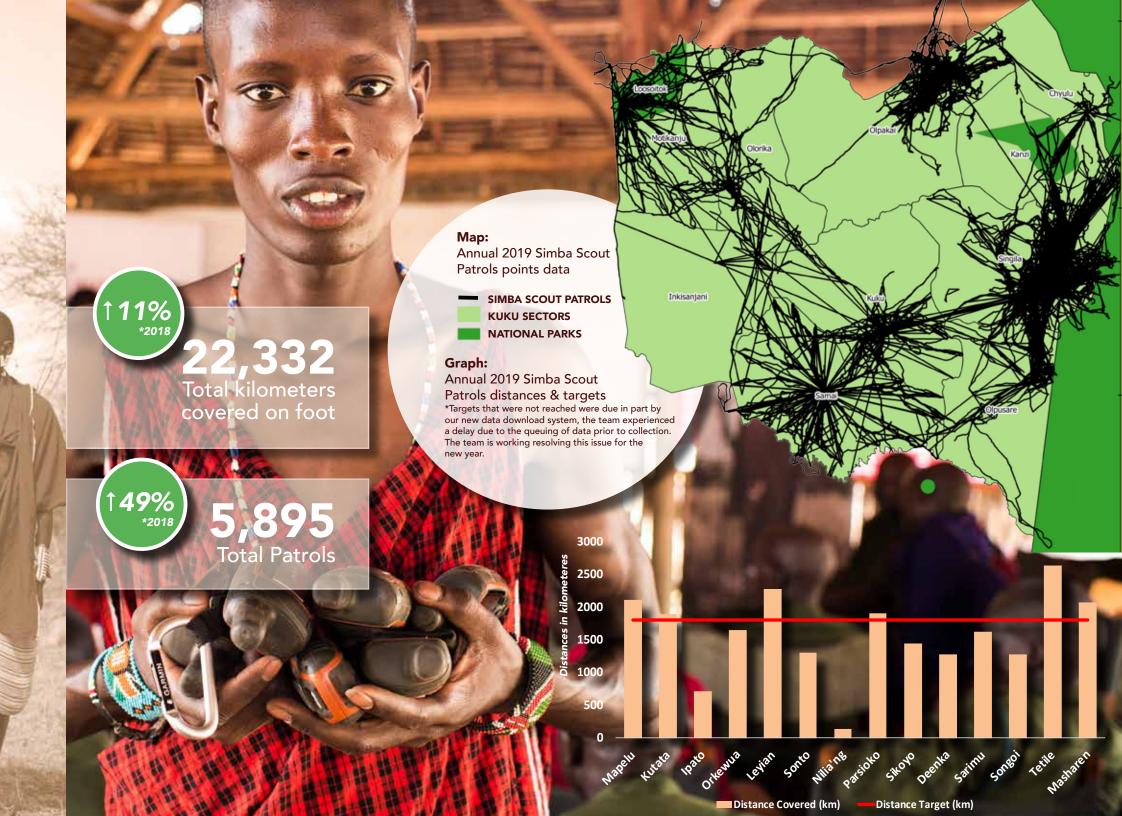
LION **COLLARING**

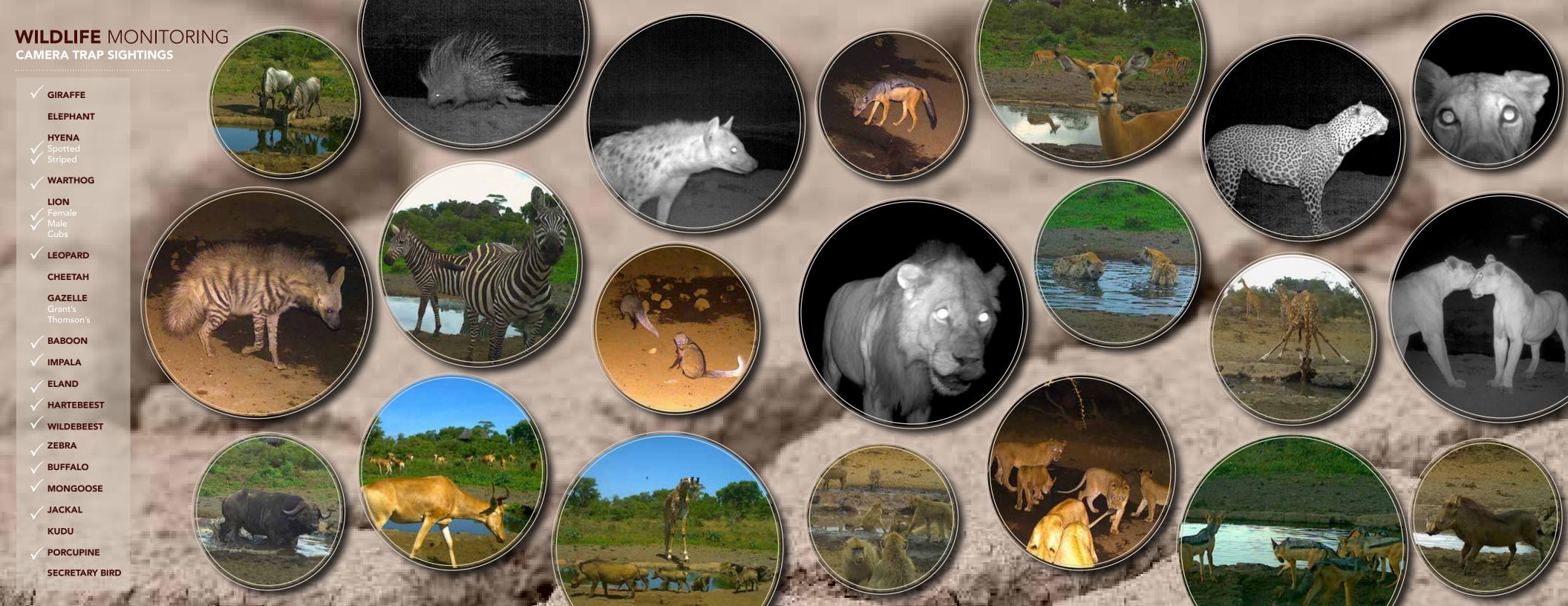
3rd Quarter - 1 Lion Marti (male): Re-collar

4th Quarter - 2 Lioness

Tail measurement &

fitting a new collar during collaring operations.







PREDATOR PROTECTION

WILDLIFE PAYS COMPENSATION PROGRAMME

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 4 dedicated Officers
- Detects and prevents fraud that might undermine the programme
- 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

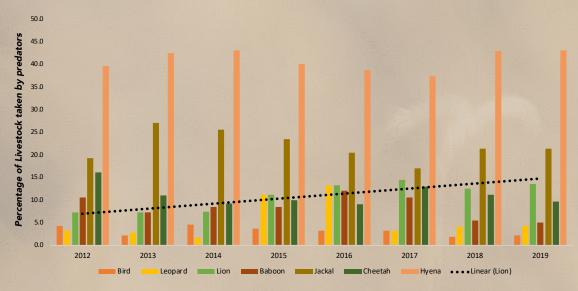
Rangers, prominent community figures and MWCT staff, conduct meetings with communities that are feeling increased pressure of predation, as well as with the young Maasai warriors (Morans), to prevent the groups from any lion killing in retaliation to livestock

During 2019, we observed a decrease in the number of Wildife Pays incidents recorded and approved for compensation since 2018. Similar to last year, there were significant increases in livestock depredations 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, can lead to raised levels of depredation caused by lions. Even more positive to note is the number of "no negligence" claims, (implying good husbandry), exceed the number of negligent claims. A truly positive sign.

Overall percieved trends are depicted in the graph on the right over a 8 year period.



PREDATORS



The most livestock taken in relation to predators were due to Hyena. Over the course of 8 years there has also been an overall increase in incidents by lions, this could be due to the recovering lion population in the area. There was also an increase in lion sightings for 2019 compared to 2018 by 38%. Specific percentages for the amount of incidents accounted for in 2019 from each predator are reflected in the info graphic below.

43.1% 21.4% 13.5% 9.7% 45.9% 26.7% 11.2% 6.9% 5.0% 11.2% 11.

HEADS OF LIVESTOCK

A total of 2,005 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.

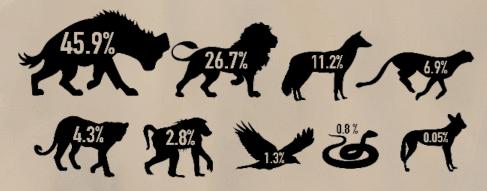


CLAIMS

The total pay-out of claims was **8,508,100 Ksh** (84,784 USD), an increase to the amount paid in 2018 (7,710,000 Ksh / 77,175 USD). However, the number of no-negligence claims still outweight that of negligence claims.

> 58.4% NO NEGLIGENCE Herder present or Good Boma)

41.6% **NEGLIGENCE** Herder not present or Bad Boma)



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.

2019 - JUN 22 (Wet 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.

*Please note the team completed only one aerial count instead of the usual two in 2019, which will account for the reduced wildlife numbers compared to 2018 counts.

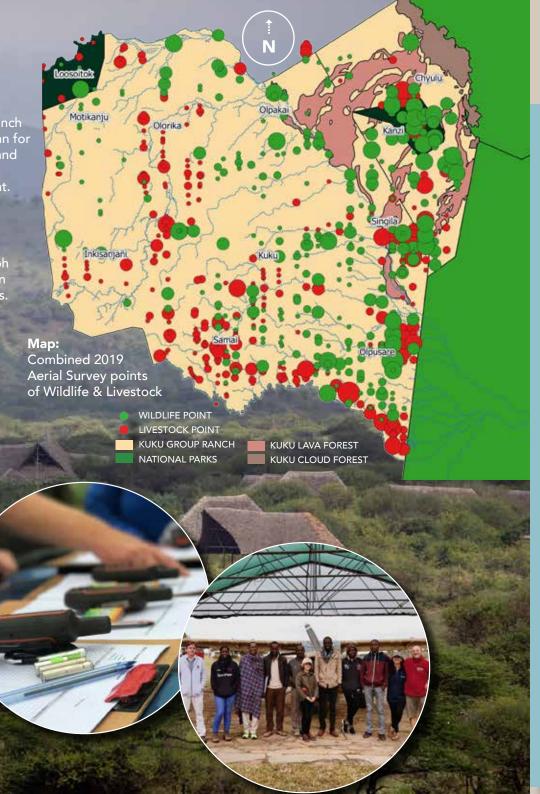
1,956TOTAL WILDLIFE

169% *2018 24,951 TOTAL LIVESTOCK

> 164% *2018

Photos:

June Aerial Count: Preparation of GPS and wildlife recording sheets. Team: (L-R Darryl van Dyk, Lydia Biri, Muterian Ntanin, Timothy Lenayia, Emmanuel Silato, David Kanai, Soffiya Kadzo, Samuel Kayior, Tricia Cruz, and Luca Belpietro.



COLLABORATIONS & EVENTS

MWCT MEETINGS | NEW YORK CITY MARATHON

KEY MEETINGS

1ST QUARTER

Campi ya Kanzi

Kanzi Conservancy Boundary Meeting

MWCT HO

Chyulu Hills Conservation Trust (CHCT)
Board Meeting

2ND OHARTER

MWCT at Kilaguni Serena Lodge Land Use Managment Plan Outreach

MWCT H

Chyulu Hills Conservation Trust (CHCT)
Water Payment for Ecosystem Services

3RD OUARTER

MWCT and Group Ranch Officials

Signing of the Land Us Management Plan Document by leaders and community.

Kenya Wildlife Service HQ - Tsavo NP

REDD+ Kenya Wildlife Service Meeting

4TH QUARTER

Beekeeping Institute, Nairok Beekeeping training

MWCT at Kiboko

Community Youth focused workshop

MWCT at Kasigau

REDD+ Carbon Project Horizontal Learning Trip for Group Ranch Officials

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 sent our a Ranger - Danson Kutatoi, a Simba Scout - Sonkei Ketero and Kuku A Secretary - Musa Ketukei, to run in the NYC Marathon with several other supporters from all over the world. We couldn't be more grateful with the amount of support we received throughout the year and during our stay in New York City.

pecial thanks to NYRR, The Moxy Hotel Time Square, Spoon Table Bar, ModoYogaNYC, Vince from Team BWB and our incredible team of runners for their passion and fundraising efforts, we couldn't do to without you!

WILD RUNNERS

Mark Somen (MWCT Board Member)
Danson Kutatoi (MWCT Ranger)
Songoi Ketero (MWCT Simba Scout)
Musa Ketukei (Kuku A Secretary)
Andrew Childs (US Supporter - The Conduit)
Joel Williams (US Supporter - The Conduit)
Oliver Jeffscott (US Supporter - The Conduit)
Sean Long (US Supporter - The Conduit)
Rowan Finnegan (US Supporter - The Conduit)
Leslie Sandefour (US Supporter)



CHYULU HILLS CONSERVATION TRUST

REDD+ CARBON PROJECT

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 Kilimaniaro, 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.

5200% Carbon footprint of the average American compared to the

400% in CO_{2 EMISSIONS} since 1960

15-20%

of Greenhouse Gases are

caused by Forest destruction

(more than cars, planes &

trains put together)

average Kenyan's

CREDIT STANDARDS

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

9 STAKEHOLDERS CHYULU HILLS CONSERVATION TRUST

- KUKU A
- KUKU B

- MAASAI WILDERNESS CONSERVATION TRUST
- BIG LIFE FOUNDATION
- DAVID SHELDRICK WILDLIFE TRUST

HOW IT WORKS







100% OWNED AND MANAGED BY LOCAL INSTITUTIONS

QUICK FACTS

million

ACRES OF LAND

2million

CREDITS

NATIONAL PARKS CONSERVED & A VITAL DISPERSAL AREA FOR AMBOSEL NATIONAL PARK

MAASAI PEOPLE



PRESERVING A CRITICAL WATERSHED, **FEEDING WATER TO MOMBASA** (2ND LARGEST CITY IN KENYA)



PROTECTING ICONIC & NDANGERED WILDLIFE

"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."

- JUDI WAKHUNGU (Former Cabinet Secretary for Ministry of Environment, Water & Natural Resources of Kenya)

IMPACTS

- NEW COMMUNITY RANGERS EMPLOYED TO PROTECT THE VITAL ECOSYSTEM, WILDLIFE AND MITGATE ILLEGAL **ACTIVITIES, INCREASING FOREST** PROTECTION.
 - **NEW TEACHERS EMPLOYED, BRINGING** THE TOTAL OF MWCT TEACHERS TO 62. **MWCT SUPPORTS NEARLY 9000 STUDENTS**
- **CATTLE CRUSHES TO IMPROVE GRAZING** MANAGMENT AND REDUCE LIVESTOCK
- **COMMUNITY OUTREACHES INCREASED** LOCAL ENGAGEMENT, EMPLOYMENT FROM MAASAI COMMUNITY & INDUCTION TRAINING FOR NEW RANGERS.
- **COMMUNITY MEMBERS REACHED** THROUGH OUTREACHES.
 - **NEW BEE HIVES TO MITIGATE** HUMAN-ELEPHANT CONLFICTS & PROVIDE AN ALTERNATIVE LIVELIHOOD THROUGH HONEY PRODUCTION.



NEW TREE NURSERY & FENCING. REDUCE EMISSIONS AND RESTORE DEGRADATION



NEW WATER TANKS IMPROVE ACCESS TO CLEAN WATER FOR DOMESTIC USE AND LIVESTOCK.

goes carbon neutral

This year, one of the world's leading luxury fashion brands chose to invest in the Chyulu Hills REDD+ Carbon Project as a part of Gucci's 10-year sustainability strategy (2015-2025).

350,000 credits purchased



HEALTH Programme

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

















































20 family planning Education seminars were held to provide

information on safe sex and pregnancy.

45 girls

150 women

Attended 4 Community Sexual

Reproductive Health & Rights Seminars.

Received sanitary pads distributed by our health staff and doctor.

545 girls & 88 boys

Attended a workshop on sexual & reproductive health/rights.

2 cervical cancer

Awareness campaigns were held within the local community.

48 homes

Visited for Tuberculosis (TB) contact tracing.







LIVELIHOODS PROGRAMME

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.

GRASS SEED BANKS

Moilo, Enkii, Inkisanjani, Langata

10 Local Women in Charge for each area

10 hectares Project area

1.5 high electric fence

2,000 kgs Grass Seeds Harvested

750 kgs Grass seeds sold (at 500 Ksh/Kg)

290 Hay bales sold

300 Kshs (4 USD) Per Hay bale sold

CHRISTMAS ORNAMENTS

A NEW COURSE Sponsor

90 Ornaments sold

NYC MARATHON: THE MOXY Sponsor

45 Jewelry Items sold

FGM (Female Genital Mutilation Outre

26 Trained Anti-FGM Influencers

Anti-FGM Outreaches

HIPPO ROLLERS

Marshall Family

The purpose of a hippo roller is to reduce the burden of carrying water back and forth for multiple trips. It is a rolling water device that carries 4x the amoung of water normally carried on the backs of Maasai women and children. This device not only saves the women time but also relieves the load on their bodies throughout the day.

10 Hippo Rollers Distributed

Ilchalai Kuku **Enkusero** Enkutoto Moilo Enkii Inkisaniani

Langata (beading group)
Langata (grass seed bank group) Women's Groups

ANTI - FGM/C Anti Female Genital Mutilation/Cutting

AUG 24 - Alternative Rite of Passage (ARP) Workshop topics included:

- Negative physical effects of FGM
- Children Rights 2011 Act
- Personal hygiene and sanitation
- Family planning
- HIV and STD/Is
- Menstruation

- 800 students were trained and participated in the ARP
- All students were blessed by the elders without the tradition of FGM.
- The entire community celebrated and expressed their support towards the ARP with speeches by local leaders, age set elders, religious leaders, group ranch officials and local stakeholders such as Amref Kenya.
- MWCT played an essential role in arranging the final ceremony, workshops and provided the food for all the attendees.

EDUCATION PROGRAMME



Teachers employed

Support staff



KEY NOTES

1 Teacher - 50 Pupils

5 NEW Teachers employed

Lower classes, Iltilal Primary School (1272 students)

MWCT purchased branded pens & notebooks for every student in Kuku Group Ranch. Six schools were given supplies. During these outreaches, parents were invited to be updated on the programmes of MWCT.

Iltial Mixed + Enkii Boys

1 scholarship beneficiary, Jeremiah Kurat Ketukei attending a Kenyan Secondary School scored at the University level in his final exams.

Oltiasika (311.82/500)

Social Studies

Mathematics English

LEPOIYA GIDEON SUYIANKA Iltilal (79.2/100)

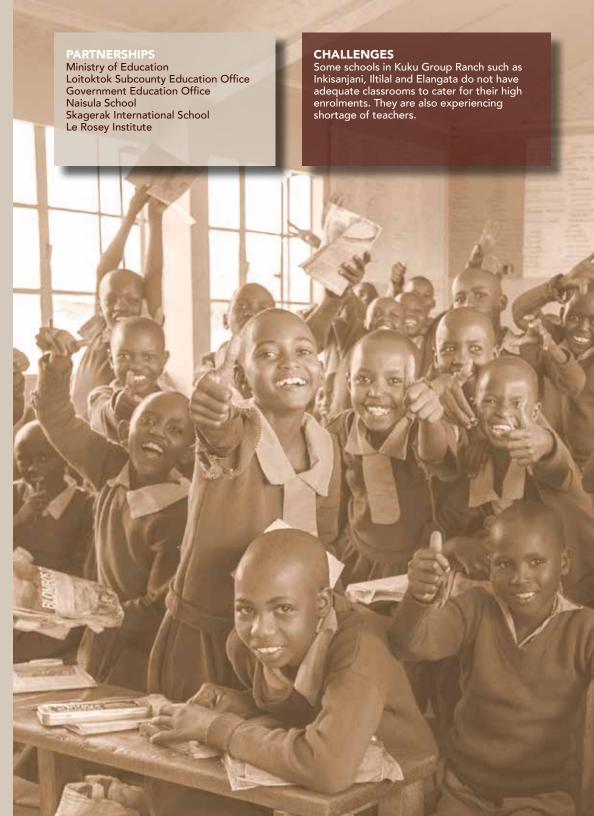
DEBORAH SAINAPEI Samai (74/100)

EDUCATION DAY

Celebrate exam performances

365 Elite students from Kuku were given skills and advice on post secondary education opportunities and career building.

400 students attended various sports events



MWCT FINANCIALS

PROGRAMMES & ACTIVITIES

GRANTS

MWCT is extremely grateful for all of the generous grants we have recieved throughout the year. A special thank you to MWCT's U.S arm, The Maasai Wilderness Conservation Fund, for continuing to help sustain the varying MWCT programmes for 2019.

ANNUAL BUDGET

CONSERVATION \$1,281,712

EDUCATION \$433,270

HEALTH \$111,512

ADMIN \$281,507

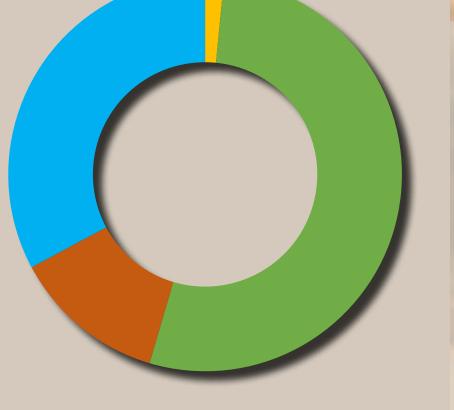
TOTAL \$2,108,000















PARTNERS & SUPPORTERS THANK YOU - ASANTE SANA



