



MAASAI
WILDERNESS
CONSERVATION
TRUST

QUARTERLY REPORT
APR - JUN 2019

2

FOUNDER'S MESSAGE

Dear Friends in Conservation,

This quarter has been faced by poor rains, with strong consequences on both wildlife and livestock. You will see from the wildlife census that wildlife has moved out of Kuku, likely to Tsavo, in search of pastures. The count shows also less livestock, due to the same reason.

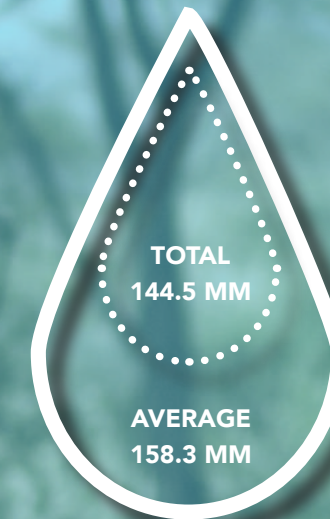
We have implemented a revolutionary communication system, by having hot-spots with wifi spread within the Group Ranch. Soon these will serve as download spots for the SMART data.

Wildlife Pays works well, with no retaliation and with contained compensation.

CCRC was a theater of an important presentation to all the stakeholders about the feasibility of a Water PES for the Chyulu. The REDD project continues to do well, with better understanding from the community and a stronger protection of the forest. We have engaged Tsavo Trust and ZSL to work better together and make sure the positiveness of the REDD+ project is felt also on the Eastern side of the Chyulu.

Warm greetings to all from the beautiful Chyulu Hills,

Luca Belpietro



RAINFALL

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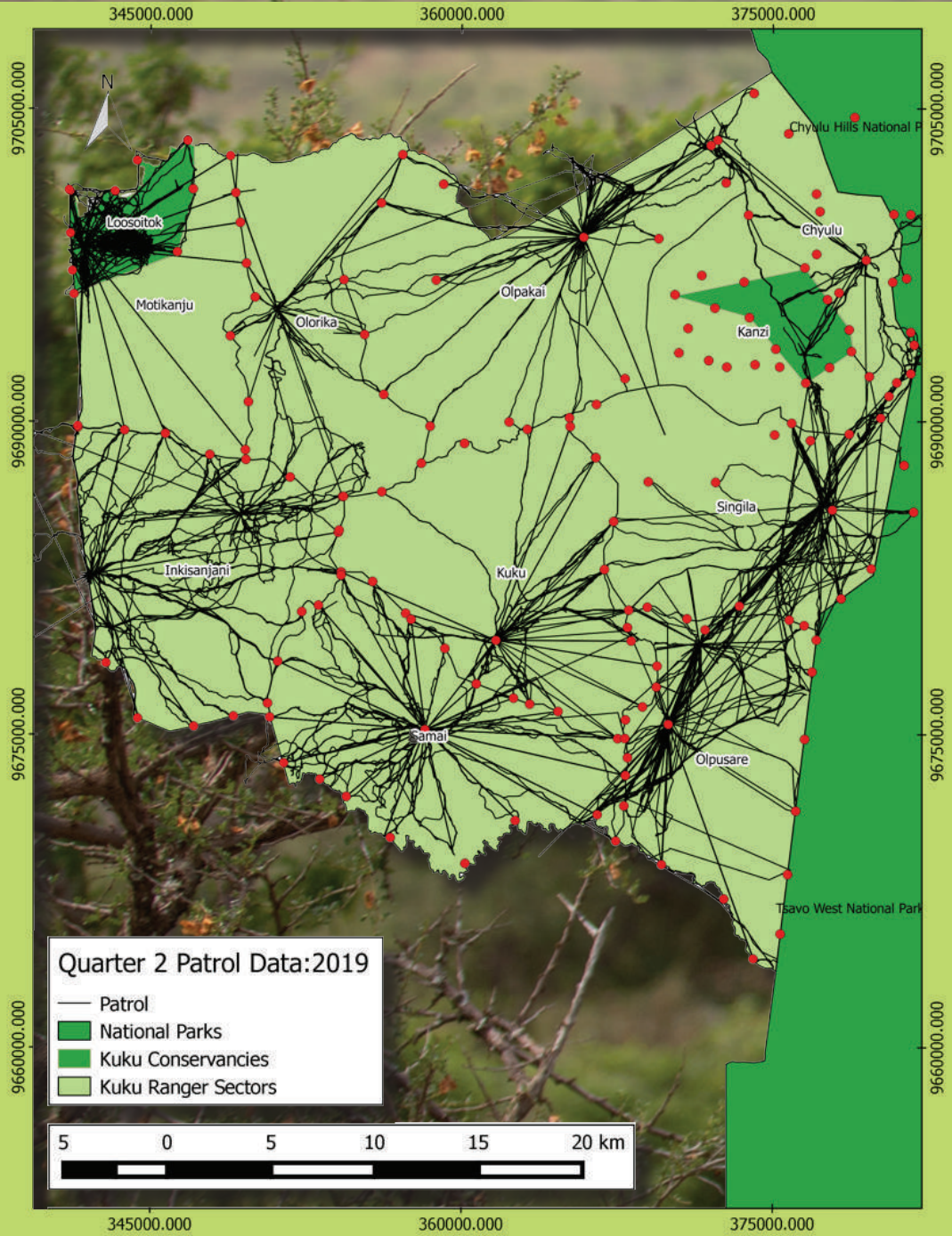
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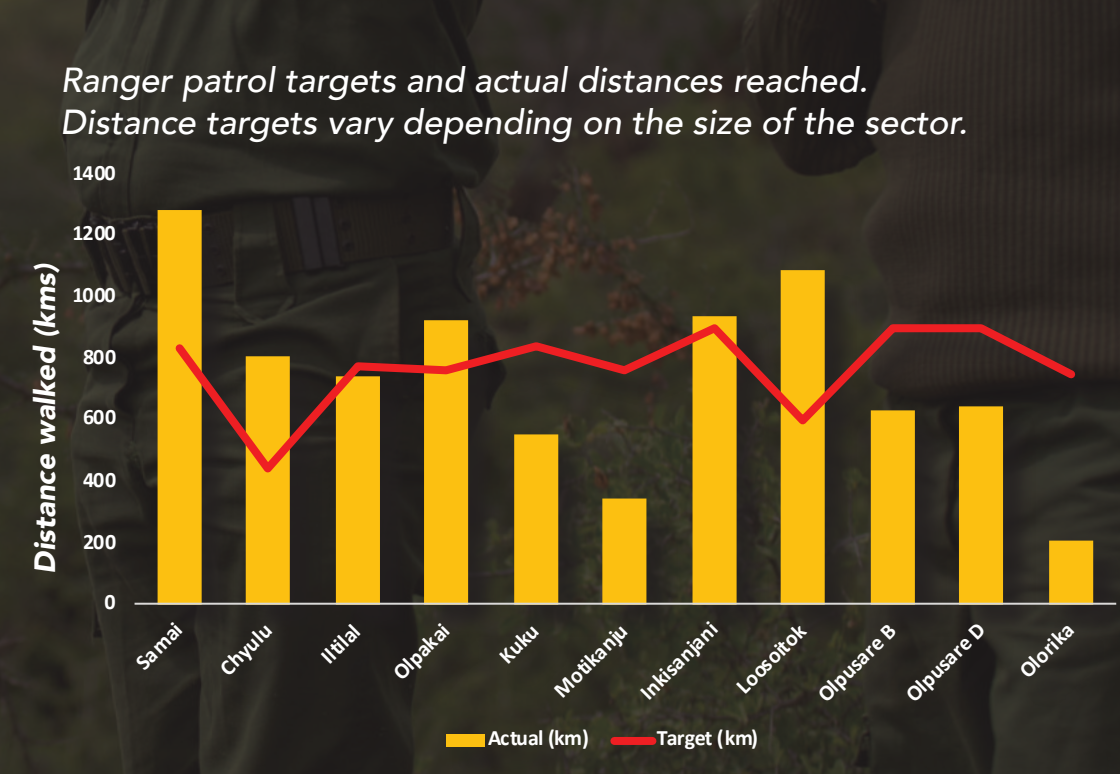
WILDLIFE PROTECTION & HABITAT PROTECTION



Samai sector covered the greatest distance (1,283 km). The Motikanju and Kanzi Conservancies, and Ittilal 7A sector show no patrols due to being focused on monitoring livestock grazing and these sectors did not focus on routine patrolling during the quarter.

SECTOR	DISTANCE	PATROL POINT TARGET	ACTUAL POINTS VISITED
Kanzi	0	0	0
Samai	1,283	20	20
Chyulu	803	13	10
Ittilal	742	17	14
Olpakai	925	13	13
Kuku	553	18	13
Motikanju	345	16	11
Motikanju 1a	0	0	0
Inkisanjani	934	16	16
Loosoitok	1,089	16	16
Olpusare B	631	17	11
Ittilal 7 A	0	0	0
Olpusare D	644	17	14
Olorika	207	22	11
Total	8,156	218	149

Left: Quarter 2 Ranger Patrols points data



SMART & Cybertracker
Data Collection Trained

135
RANGERS

13
Sectors

6 to 8
Rangers per sectors

92
Dedicated Rangers for daily
Kuku Group Ranch patrols

8,156
Total kilometers covered
on foot this Quarter
↓15% *Q1 2019 ↓1% *Q2 2018

INCIDENTS & CONFLICTS

QUICK FACTS

Wildlife Mortalities:

1 Hyena (Chyulu NP) - snare removed

Bushmeat poaching:

4 Giraffe (1 Langata / 3 Chyulu NP)

Elephant Incidents:

1 Mortality / 2 Tusks recovered (Samai)

13 Crop raids (Langata & Olorika)

Illegal forest destruction:

Charcoal burning (Inkisanjani)

Rangers with giraffe
carcasses & snared
hyena from Chyulu NP



Giraffe carcass and
pangas recovered
from Jun 25th incident



Elephant carcass
from Samai
incident

INCIDENT SUMMARIES

BUSHMEAT POACHING

APR 26 - Chyulu Rangers noticed many vultures from afar inside the park. They walked towards the vultures and when they reached the area, they found 3 giraffe carcasses and a snared, dead hyena. The team dismantled the snares and buried the carcasses and reported the incidents.

JUN 25 - Rapid Unit Rangers were at their evening observation post and saw a spotlight from a distance. They suspected it to be possible poachers from the Enkaroni area. Our rangers moved quickly and found the poachers had already killed a giraffe.

Items recovered: 1 motorbike (MC 523 BST)
5 knives (pangas)
1 giraffe carcass

The motorbike was later taken to Loitokitok police station. The rangers that managed the incident were: Koruta Permetui, Musyoki Munyao, Mayiani Palalet and Lepilal Semperia. The poachers unfortunately fled before our rangers came onto the scene, however we are working closely with KWS and Big Life Foundation on pursuing the suspects.

ELEPHANT INCIDENTS

APR 27 - The Samai Sector Sergeant received information from a community member that he found a fresh elephant carcass just a few kilometres from the base station. Our rangers immediately responded and moved to the area. They inspected the elephant carcass and found a wound mark from a spear. The information also was shared with MWCT Commander, Muterian Ntanin whom later informed KWS (Kenya Wildlife Service). The rangers removed the tusks (40kg) and the following day, the KWS team took the tusks to Tsavo West National Park - Komboyo station.

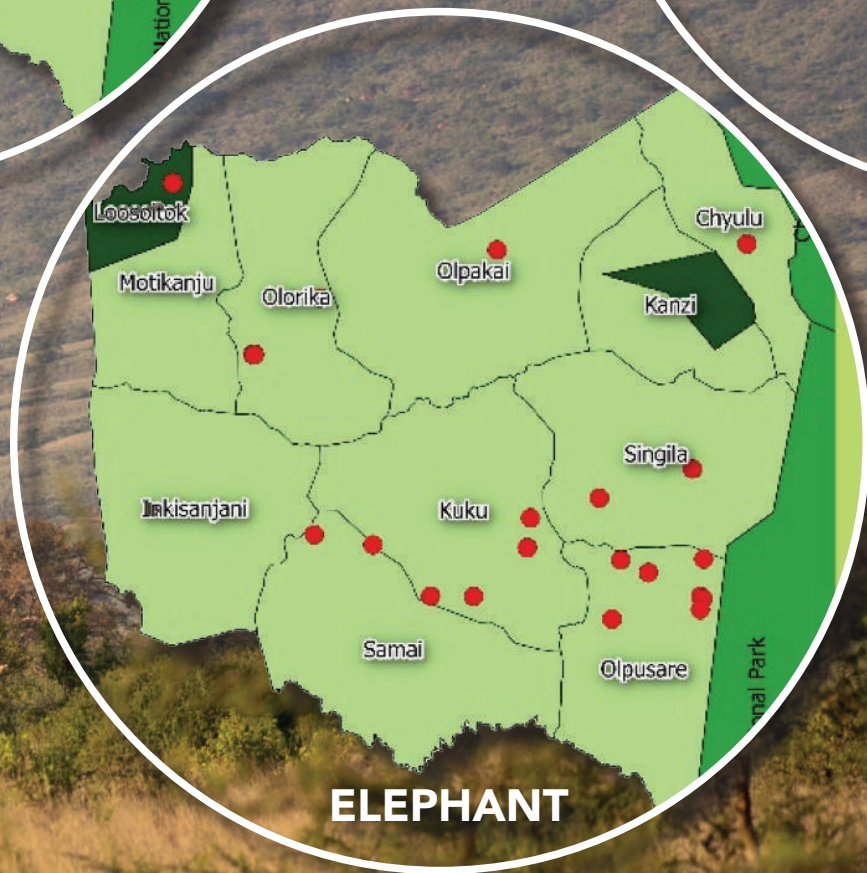
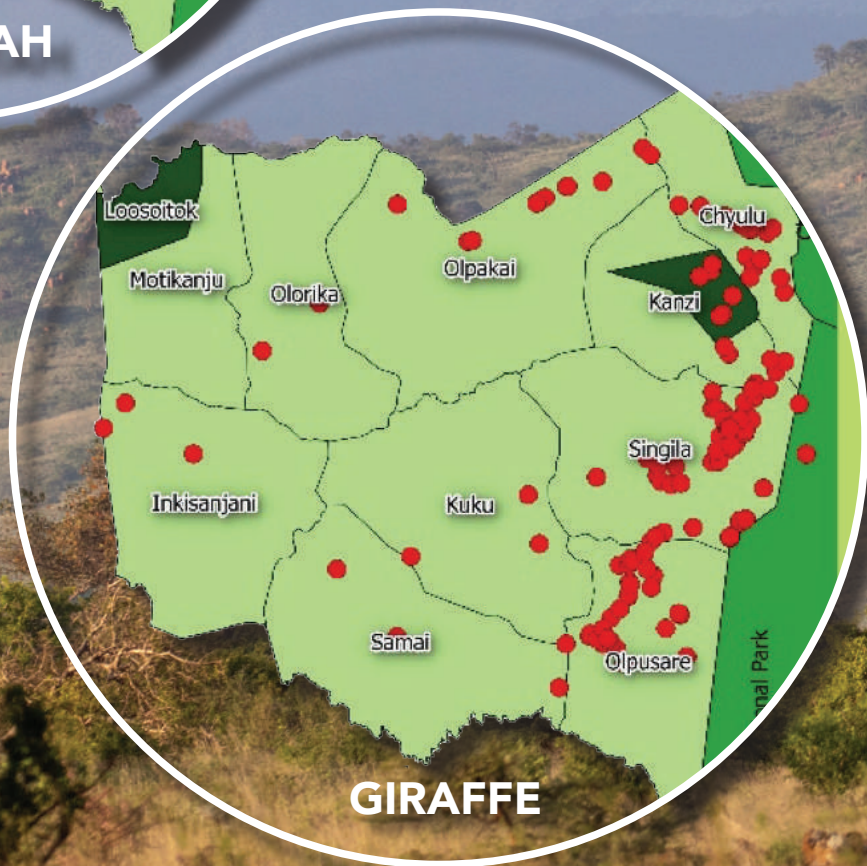
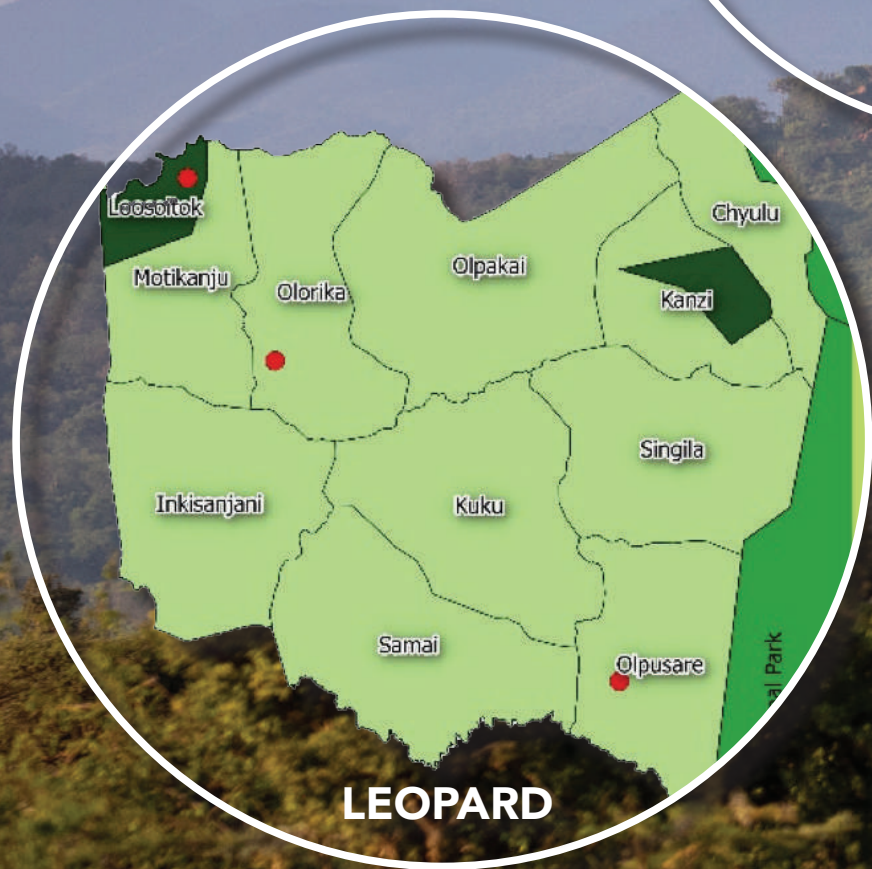
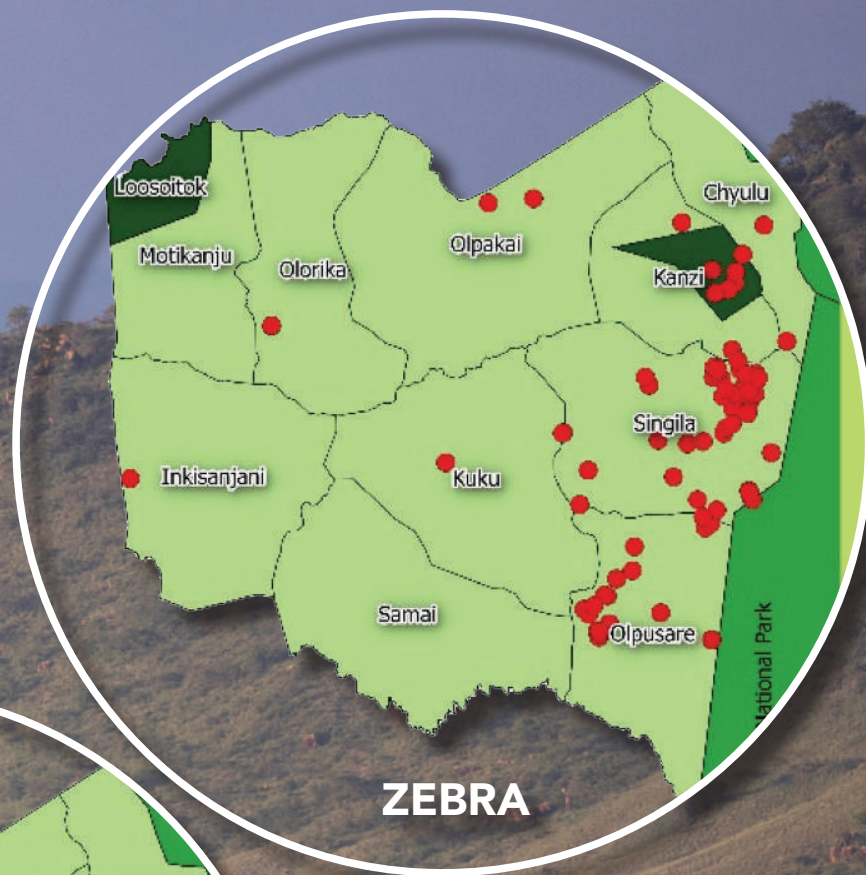
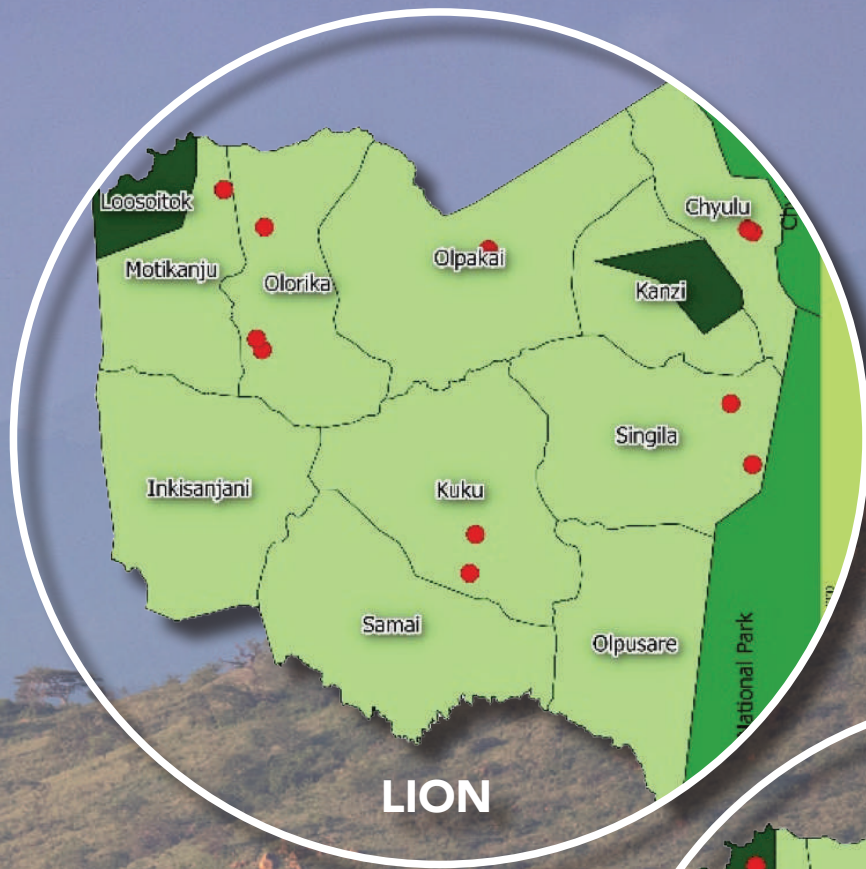
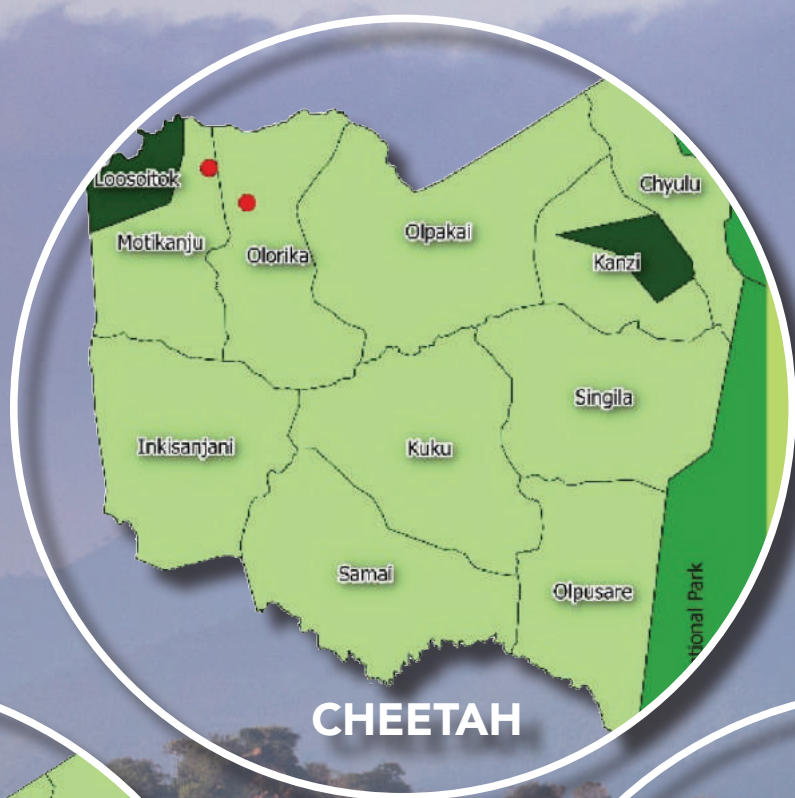
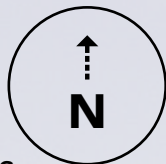
CHARCOAL BURNING

MAY 29 - Inkisanjani Rangers ambushed one man on a motorbike carrying three sacks of charcoal coming towards their direction. The individual was arrested and taken to Loitokitok police station with an OB number of 23/29/05/2019.

WILDLIFE MONITORING

LEGEND

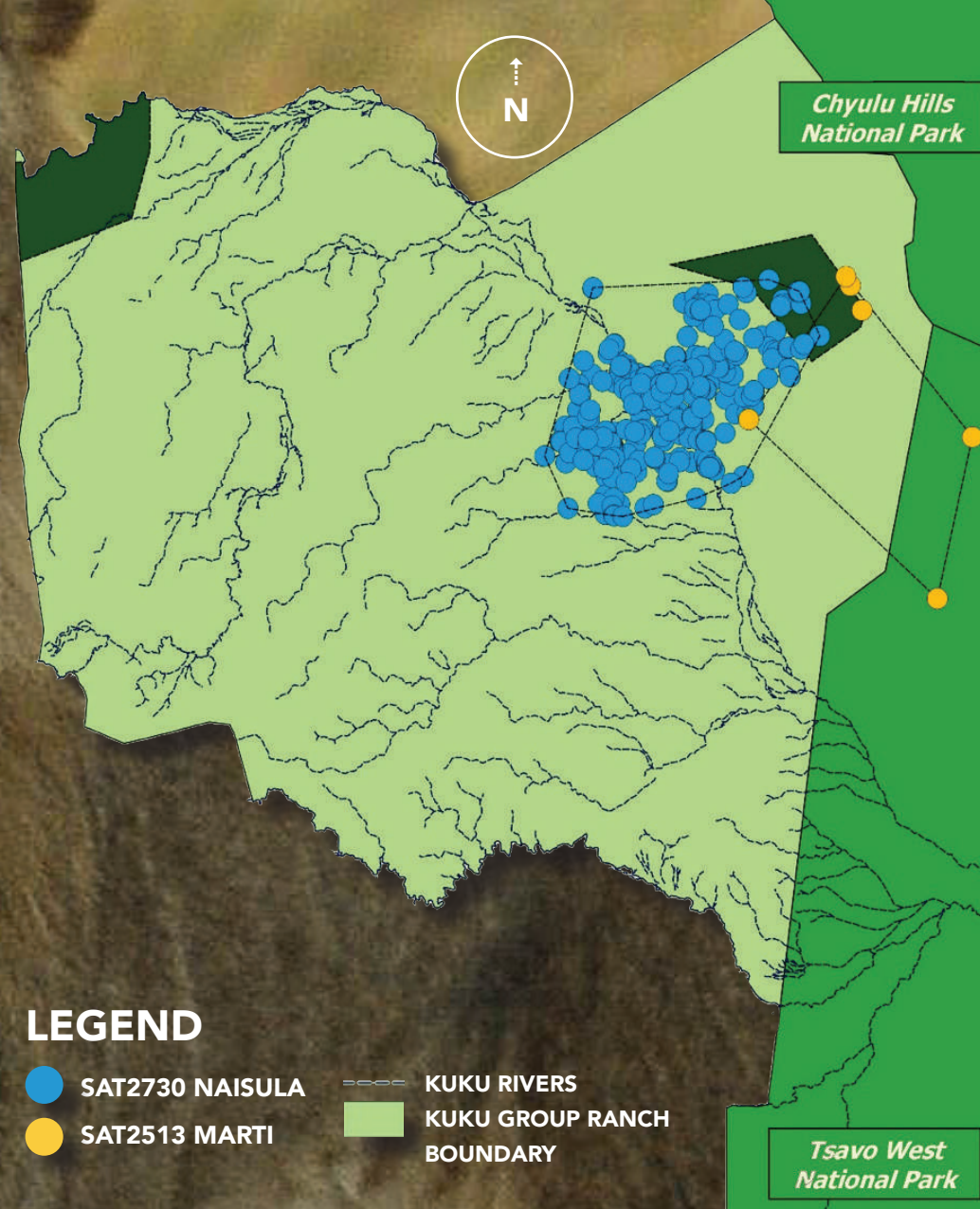
- SIGHTINGS
- NATIONAL PARKS
- KUKU CONSERVANCIES
- RANGER SECTORS



LION MONITORING

Collaring lions is a critically important step towards mitigating human-wildlife conflict. Six individual Lions on the Kuku Group Ranch have been collared with GPS/VHF tracking collars and their movement during **Quarter 2 2019** is illustrated in the descriptive map. The monitoring is also important as we are able to assess population growth rates and habitat utilisation on the Kuku Group Ranch.

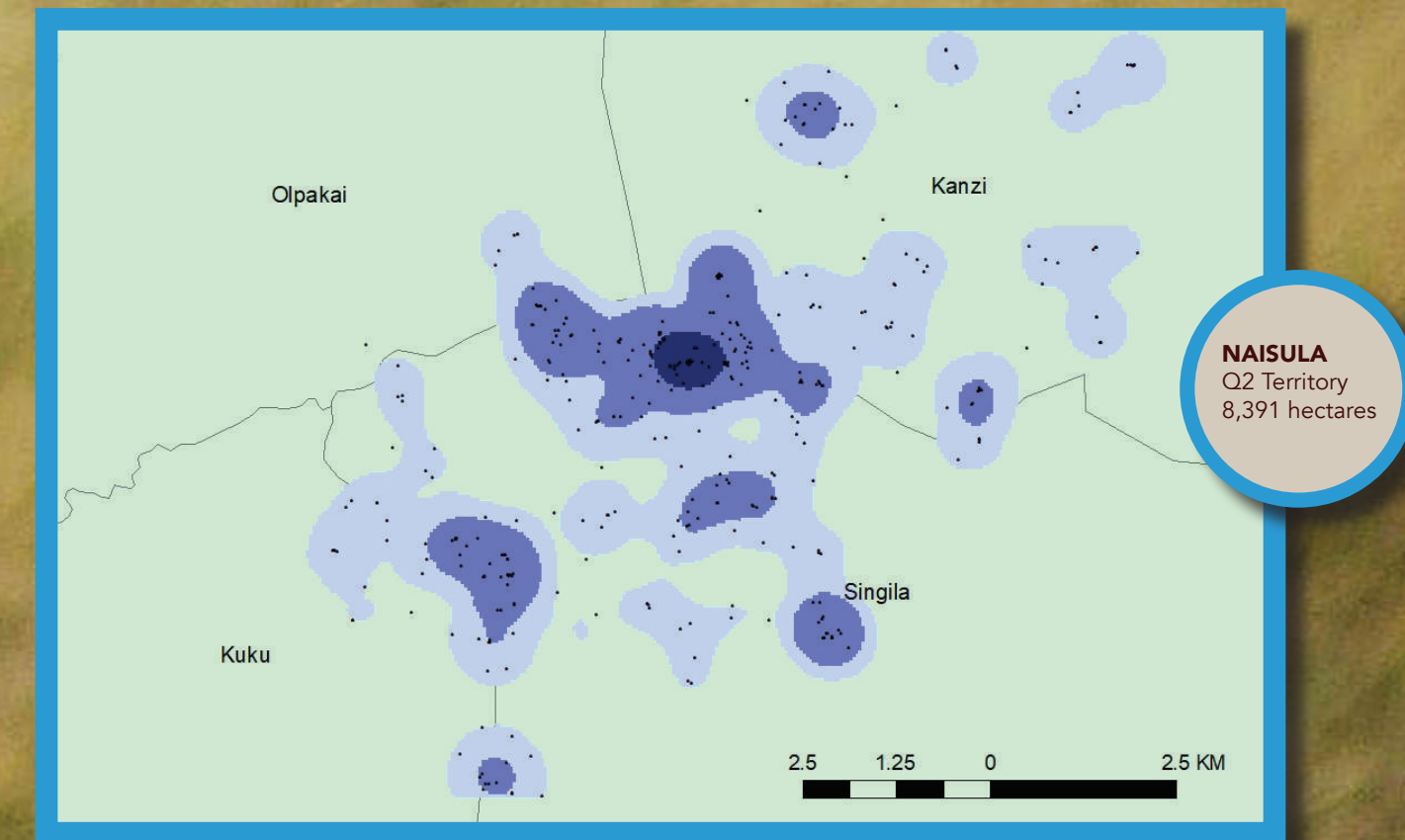
***Orkirikoi's (male), Namunyak's (female) & Mawoi's (female) collars did not transmit data through the satellite this quarter. Nesambu's (female) and Marti's (male) collars have also stopped working early April 2019. All 5 lions and their prides are still being monitored by the Simba Scout team on foot through telemetry.**



Naisula (female)
is part of a pride of 2 females. She spent most of her time in Ormanie and Orkeri areas. She was involved in two cases of predation of livestock this quarter.

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

Marti (male)
did not have enough data to generate a full scope of his territory and movement. He covered a territory of 5,991 Ha before his collar stopped transmitting in early April.



● **Orkirikoi** is part of coalition of 3 brothers. He moved through Oltiasika, Imbirikani and Kanzi conservancy where he was seen spending time with Namunyak's pride. He was involved in several predations of livestock.

● **Namunyak** is part of a pride of 7-9 lions. She was seen moving through Kanzi conservancy and was not involved in predation incidents of livestock.

● **Mawoi** is part of a pride of 11 lions. She moved through Loonkisugin, Loonkitok, Kanzi and Iltital areas. She was involved in several predation incidents of livestock.

● **Marti** is often seen moving with his brother (a male with one working eye) as well as with Nesambu in a pride of 4 lions. He spent time in Kanzi conservancy and was involved in several predation incidents of livestock.

● **Nesambu** is part of a pride of 11 lions. She was seen moving through Tsavo West National Park, Olkiriti, the lava near Singila and at the MWCT waterhole. She was involved in several predation incidents of livestock.

***Re-collaring of lions has been scheduled for next quarter, to replace all the collars currently not working.**

SIMBA SCOUTS

This is a **dedicated team of 15 Maasai warriors** (morani), who day in and day out monitor GPS collared lions & other wildlife species. 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 KILLINGS

Although there were several lions involved in livestock killings this quarter and a few lion hunt attempts, there were **ZERO LIONS KILLED**.

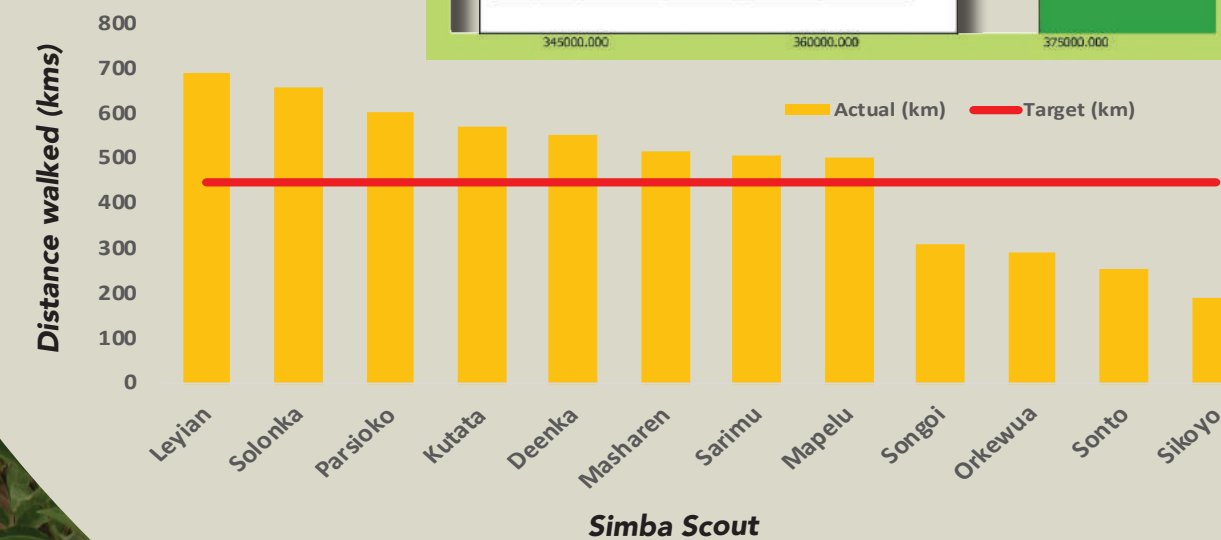
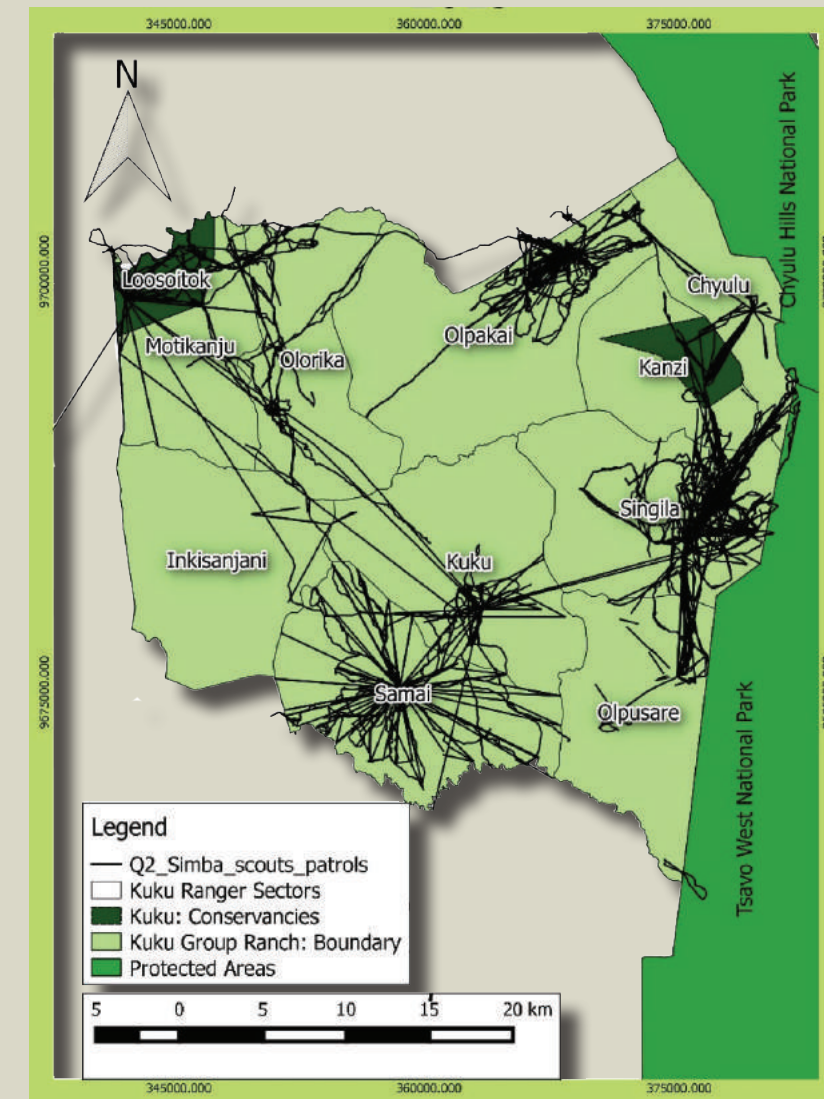
A few of the Simba Scouts after their monthly meeting

5,701
Total kilometers covered
on foot this Quarter

↑ **4%** ↑ **38%**
*Q1 2019 *Q2 2018

Right: Simba Scouts Patrol Points reached
Bottom: Overall graph depicting target distances and actual distances covered.

**Those that did not reach their targets had experienced Cybertracker App/Smartphone issues or were concentrated on lion/wildlife conflicts in certain areas.*

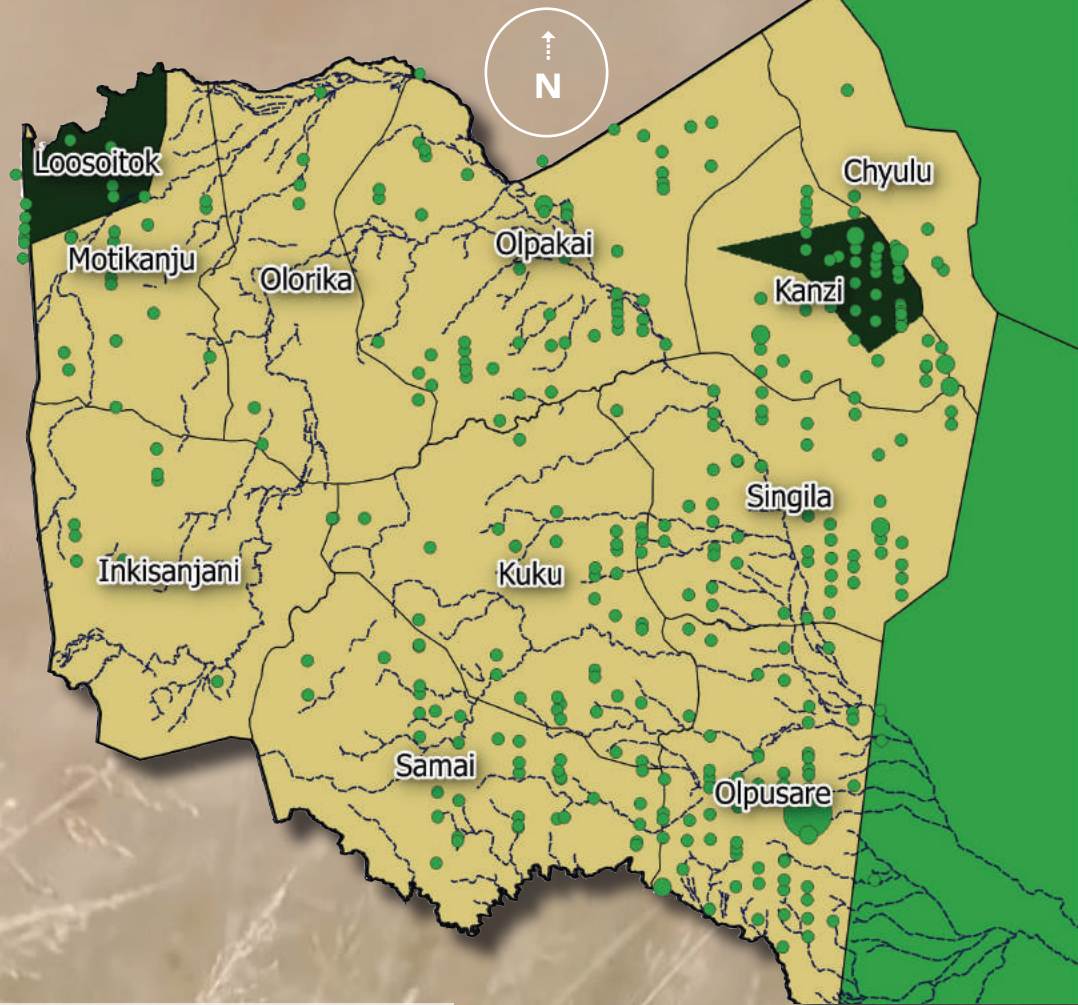
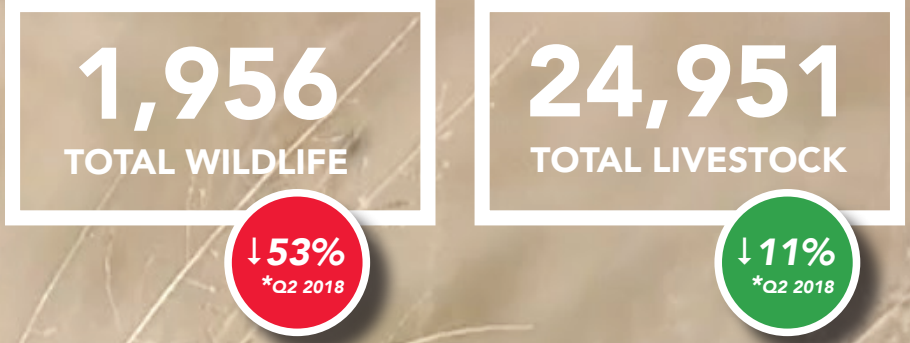


CAMERATRAP
SIGHTINGS

- ✓ GIRAFFE
- ✓ ELEPHANT
- ✓ HYENA
 - Spotted
 - Striped
- ✓ WARTHOG
- ✓ LION
 - Female
 - Male
 - Cubs
- ✓ LEOPARD
- ✓ CHEETAH
- ✓ GAZELLE
 - Grant's
 - Thomson's
- ✓ BABOON
- ✓ IMPALA
- ✓ ELAND
- ✓ HARTEBEEST
- ✓ WILDEBEEST
- ✓ ZEBRA
- ✓ BUFFALO
- ✓ DIK DIK
- ✓ JACKAL
- ✓ KUDU
- ✓ PORCUPINE



DRY SEASON
AERIAL WILDLIFE
CENSUS



OUR AIM:

To understand wildlife 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. Maasai communities.

JUNE 22 '19

Transects were typically 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 7hrs of flight time.

Overall the wildlife population remains stable with both reductions and increases in various species population sizes.

LEGEND

- 1-17 WILDLIFE POINTS
- 17-33
- 33-49
- 49-65
- 65-81
- RIVERS
- CONSERVANCIES
- TSAVO-AMBOSELI
- KUKU GROUP RANCH
- RANGER SECTORS

\$19,537

**TOTAL PAY OUT
OF CLAIMS
FOR Q2**

↑ 2%

***Q1 2019**

326
INCIDENTS

↓ 6%

***Q2 2018**

3.5

**AVERAGE NUMBER
OF INCIDENTS
PER DAY
FOR Q2**

1,357

**MONTHLY KMS
TRAVELLED PER
VERIFICATION
OFFICER**

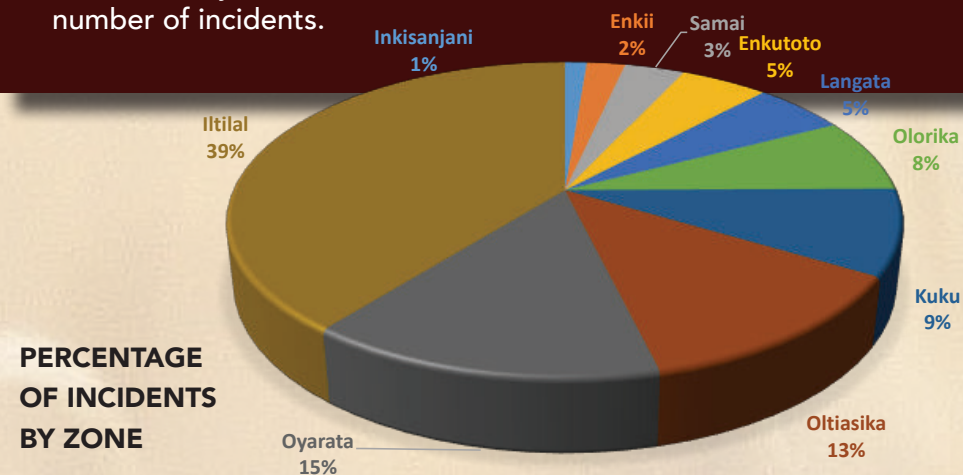
WILDLIFE PAYS

MWCT, in conjunction with the employment of Rangers and Simba Scouts, protects the major predators of our ecosystem in Kuku Group Ranch, through the Wildlife Pays Compensation Programme. In contrast to many other predator compensation programmes, MWCT's initiative is fully sustainable as it is funded by the conservation surcharges that Campi ya Kanzi (our eco-lodge partner) leverages through tourism. This is a form of Payment for Ecosystem Services (PES) and it does not rely on institutional or philanthropic funding.

Through a rigorous multi-layer system of verification and dedicated officers, Wildlife Pays is able to detect and prevent possible cases of fraud that might undermine the programme. Payments are made quarterly and compensation is based on four types of livestock losses to ensure the Maasai pastoralists utilize good husbandry practices to prevent greater or further losses. Community outreaches and meetings are also an integral part of our predator protection strategy. Rangers, along with 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 losses.

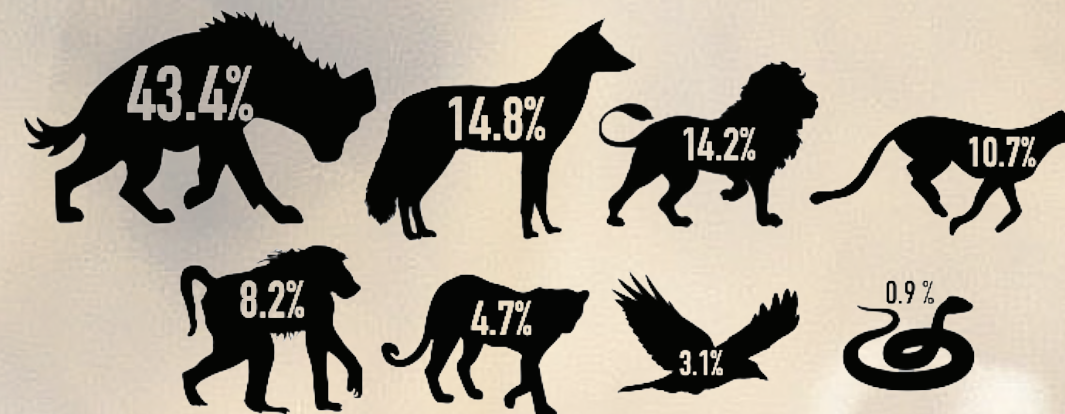
2ND QUARTER

For annual comparison purposes, this total of **326** claims is down from the 346 claims recorded during the Q2 of 2018. The Iltilal Wildlife Pays zone accounted for the highest number of incidents at 125 of the **approved 318**, equivalent to 39% of the total losses, while Inkisanjani (4/1.3%) and Enkii (7/2.2%) zones had the least number of incidents.



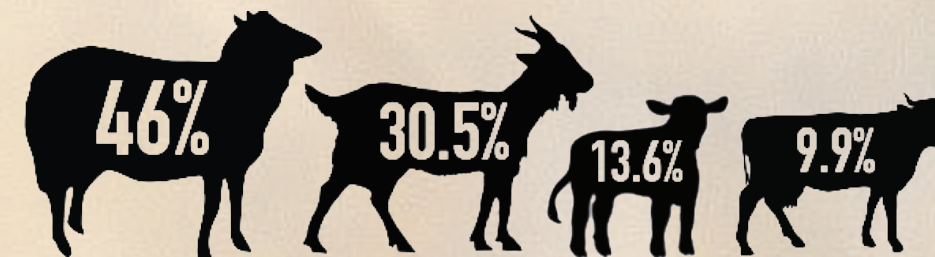
PREDATORS / WILDLIFE SPECIES

The most livestock taken in relation to predators were due to Hyena (138) followed by Jackal (47), Lion (45), Cheetah (34), Baboon (26), Leopard (15), Predatory Bird (10) and Snake (3). Specific percentages for the amount accounted for from each predator are reflected in the info graphic below.



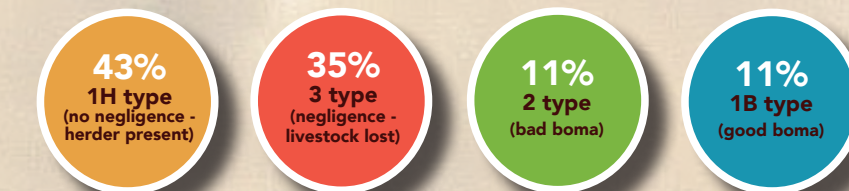
HEADS OF LIVESTOCK

A total of **426** heads of livestock were killed this quarter. The majority of livestock killed by predators were sheep (196/46%), followed by the other livestock species seen in the info graphic below.



CLAIMS & LOSS TYPES

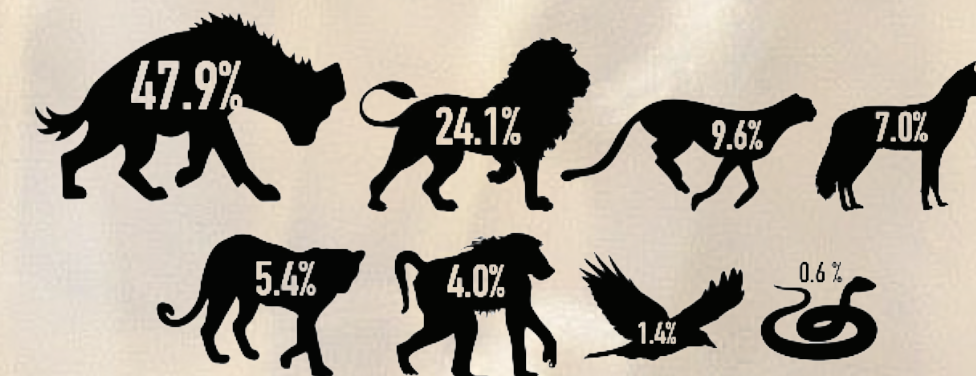
The total pay-out of claims was **2,031,400 Ksh** (USD 19,537), which is higher than the amount paid in Q2 2018 (1,709,700 Ksh) (USD 16,992).



Loss type 1H - the livestock was killed while a herder was present.
Loss type 1B - the livestock was in the boma when the predator attacked and the boma is well constructed and maintained.
Loss type 2 - Livestock was in the boma when the predator attacked but the boma was not of sufficient quality to protect the livestock within from predators.
Loss type 3 - the livestock was lost when the predator attacked no herder was present.

Claims with loss type 1H or 1B receive the highest level of compensation. Loss type 2 claims have the second highest level of compensation and loss type 3 has the lowest level of compensation.

PREDATOR PAY-OUT VALUE PERCENTAGES



MEETINGS & COLLABORATIONS

REDD+ CARBON PROJECT

LIVELIHOODS PROGRAMME

LAND USE PLAN OUTREACH

MAY 21 to JUN 28 - Held at Kilaguni Serena Lodge & 10 zones
Attended by MWCT President: Samson Parashina, Kuku A Group Ranch Officials, REDD+ Co-ordinator: Timothy Lenaiya & two Eco-Life Consultants.

The meeting was held to sensitize the community on how important it is to mitigate the negative effects of improper land use and to enhance the efficient use of natural resources with minimal impact. Discussions were also held to initiate the land use plan and identifying suitable zones for the project.



Community outreaches and a leaders meeting at Kilaguni Serena Lodge.



CHYULU HILLS CONSERVATION TRUST - WATER PAYMENT FOR ECOSYSTEM SERVICES MEETING

JUNE 21 - Held at Maasai Wilderness Conservation Trust HQ
Attended by MWCT HQ staff, Chyulu Hills Conservation Trust board members, community/political leaders, local NGOs and international partners.

A presentation was given to all participants on the current status of the Water PES and feedback/discussion was encouraged on the activities needed to develop and implement this proposal.



MWCT supports **13 Maasai Women's Groups** 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.

BEE KEEPING *Enkii Women's Group*

13
Bee Hives - Fence encircling the grass seed bank.

Inkisanjani Farmer
15
Bee Hives - Fence encircling the crops

Training/Maintenance
The women and the farmer performed inspections of their hives and were trained further on the negative effects of pesticides.

Horizontal Learning Trip
Women from Enkii, Inkisanjani, Moilo and Itital all joined MWCT staff to visit The Save the Elephants - Elephants and Bees HQ in Sagalla to learn more about bee keeping and permaculture.

ANTI - FGM
Anti Female Genital Mutilation
26 trained Anti-FGM influencers held community outreaches and 3-day workshops for young school girls on the health effects of FGM.

RESTORATION PROJECTS *Inkisanjani Grass Seed Bank*

16
Women members

10
Acre Project area

1.5m x 1.2m
Fence reinforced

Enkii Grass Seed Bank
20
Women members

10
Acre Project area

85%
Area restored

Water Tank
Save the Elephants donated and set up a 1500 liters water tank.

Langata Grass Seed Bank
23
Women members

14
Acre Project area

85%
Area restored

Weeding/Training
The women did some weeding around the perimeter to ease the maintenance of the fence. The women were trained by an expert from KARI (Kenya Agriculture Research Institute).

Moilo Grass Seed Bank
10
Women members

10
Acre Project area

90%
Area restored

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.

↓ 87%
Q1 2019

2
Outreaches

224 boys & girls
attended the school based sex health
education workshop.

↑ 17%
Q1 2019

4,745
Patients

↓ 50%
Q1 2019

1
School Outreach
Itital Primary

↓ 4%
Q1 2019

939
Lab tests

↑ 7%
Q1 2019

371
Family planning

↓ 22%
Q1 2019

235
Ante Natal Clinic

↑ 17%
Q1 2019

41
Hospital births

↑ 100%
Q1 2019

2
Sex Health Education
workshops held

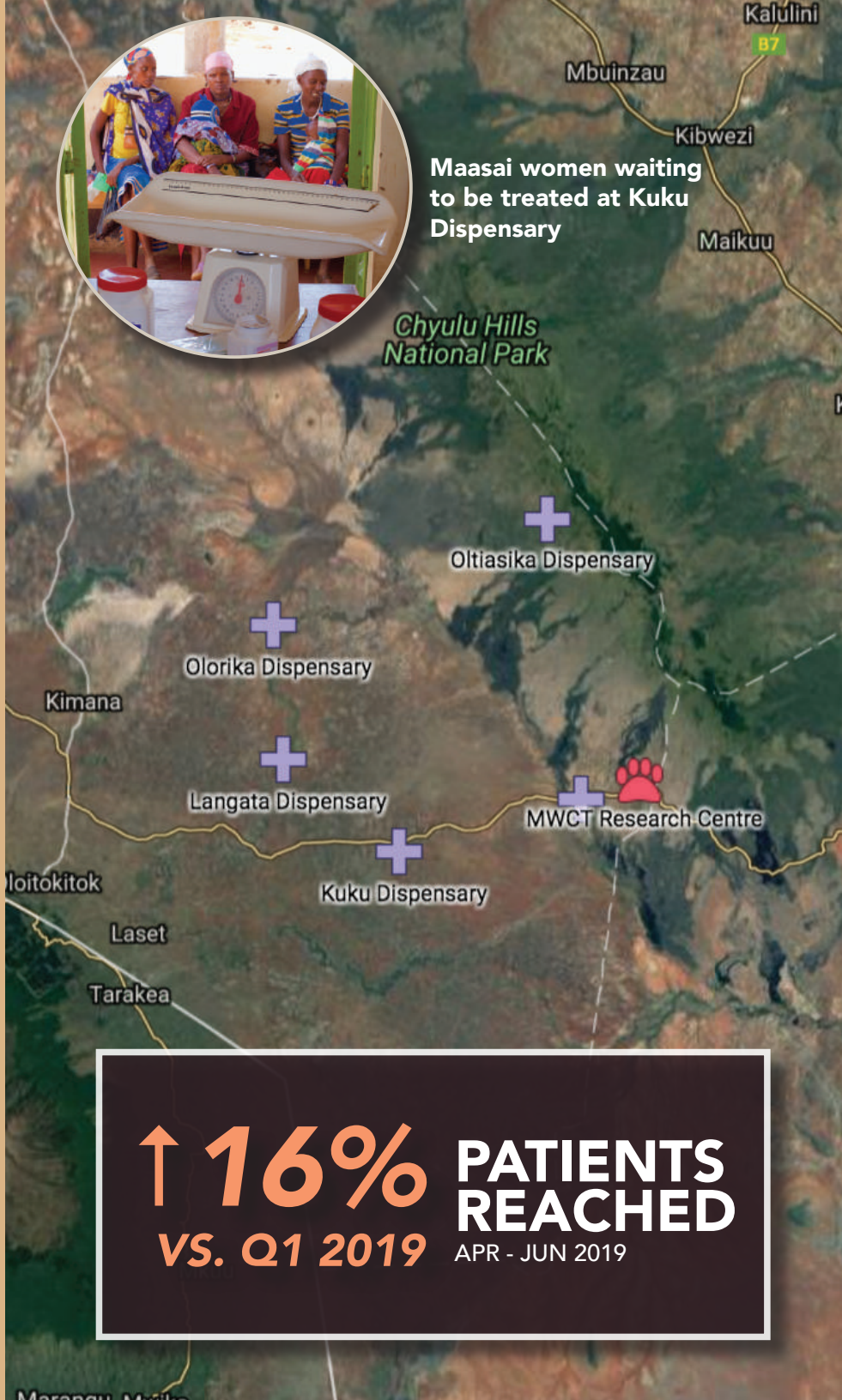
180 girls attended the KAG
Sex Health Education workshop.



Felix Nandwa
(MWCT Lab technician)



Maasai women waiting
to be treated at Kuku
Dispensary



↑ 16%
VS. Q1 2019

PATIENTS
REACHED
APR - JUN 2019

HEALTH PROGRAMME





25
Schools supported



62
Teachers employed



13
Support staff



9,028
Students enrolled
52% Boys **48%** Girls



64
Scholarships
21
Active



157
Bursaries
54
Active

ACHIEVEMENTS

MWCT partnered with Naisula School and Skagerak International on a week long immersion for 50+ students into the various programs. During which, they painted a school in Itlilal (paint donated by Jotun).

The first MWCT sponsored student (Evelyne Nkaanai Lengu) who pursued a degree in Conservation in Natural Resources and Water Management was celebrated in Itlilal village. MWCT has also chosen to support one student (Banny Yiano Sabore) from Inskisanjani village in their pursuit of a degree from Strathmore University.

MWCT donated supplementary text books to Olkaria Primary School to boost classroom performance. We also supplied exercise books and pens to Itlilal Kanzi Primary School.

Itlilal Kanzi primary school continues to have the highest enrolment of pupils, which stands at **1,272** with Inkisanjani and Elangata Enkima following closely with enrolments of **924** and **863** respectively.

We continue to meet all the operational costs of Itlilal Kanzi Primary School, which includes but not limited to employment of **13** teachers, supply of school stationery, provision of tapped water, provision of solar power etc.

CHALLENGES

Some schools in Kuku Group Ranch such as Inkisanjani, Itlilal and Elangata do not have adequate classrooms to cater for their high enrolments. They are also experiencing shortage of teachers.

ENROLLMENT

	School Name	Boys	Girls	Total
1	Itlilal Secondary School	37	39	76
2	Enkii Boys Secondary I	388	0	388
3	Oyarata Primary School	144	132	276
4	Nolasiti Primary School	112	188	330
5	Neiti Nursery School	32	38	70
6	Marlal Primary School	133	128	261
7	Enkii Primary School	220	240	460
8	Shokut Primary School	150	152	302
9	Enkolili Primary School	163	140	303
10	Leinkati Primary School	78	77	155
11	Elangata Enkima Primary	418	425	863
12	Olorika Primary School	308	294	582
13	Oltiasika Primary School	170	157	327
14	Inkisanjani Primary School	491	433	924
15	Olkaria Primary School	360	290	650
16	Kuku Primary School	146	194	340
17	Enkusero Primary School	255	215	470
18	Moilo Primary School	134	132	266
19	Itlilal Primary School	544	628	1,272
20	Loosoitok Primary School	83	83	166
21	Kaitoriori Nursery School	39	33	72
22	Samai Primary School	190	195	385
23	Oltonyo Lenkai Nursery	24	32	56
24	Manyata Nursery	40	26	66
25	Esoit Nursery	50	48	98

Total **4,709** **4,319** **9,028**



Evelyne Nkaanai Lengu shaking hands with MWCT Finance Director, Titus Muia.



Donated text books at Olkaria Primary School.



Skagerak and Naisula students getting ready to paint the school in Itlilal.

EDUCATION PROGRAMME

PARTNERS & SUPPORT



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 our goals.



MAASAI WILDERNESS CONSERVATION TRUST

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

SINCE 1996

MAASAIWILDERNESS.ORG