



QUARTERLY REPORT
OCT - DEC 2019

4

“FOUNDER'S MESSAGE

Dear Friends in Conservation,

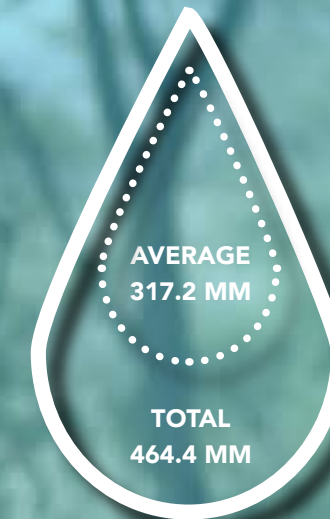
This last quarter of 2019 was a challenging one for MWCT. The blessing of unusually rich rains brought amazing grasses near the Maasai villages. Good thing right? Absolutely, but the good grazing also attracts wildlife, who feel safer near the villages. Predation on nearby livestock consequently escalates. The problem is not the higher compensation costs, but the pressure on Maasai tolerance of predators. It really challenges us, as it is extremely hard, emotionally, to tolerate predators taking day in day out, night in night out, your livestock.

On the Health side, both waiting for the ambulance to be repaired and the huge rains which made roads not passable, have not enabled us to carry out the planned outreaches.

These great rains will bring better grazing, an opportunity to engage the community in proper grazing management.

We close the year hoping that 2020 will see more carbon sales, enabling MWCT to engage the community broadly in seeing how protection of their natural resources is economically productive.

*Best regards for the Green Hills of Africa,
Luca Belpietro*



RAINFALL

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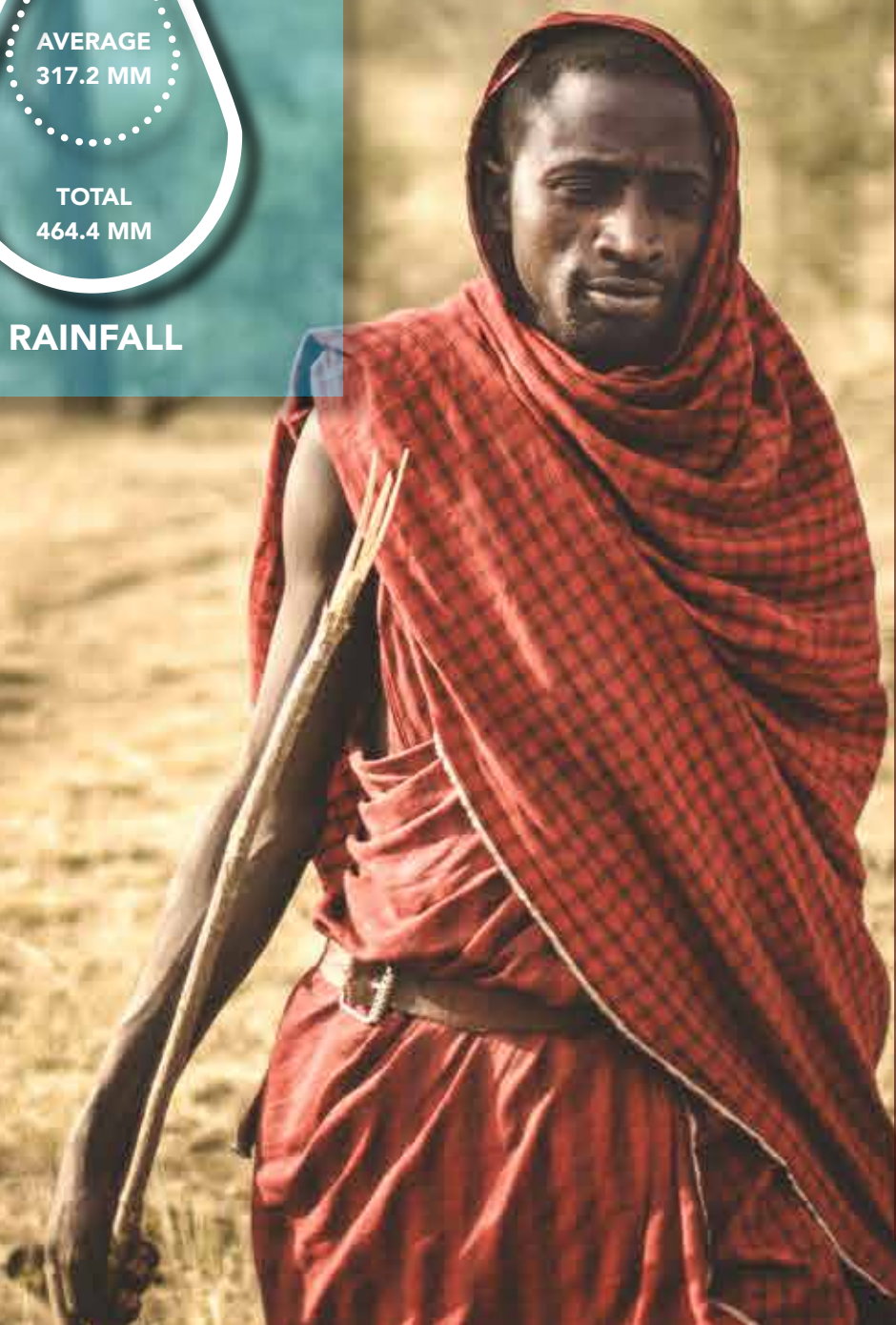
HEALTH

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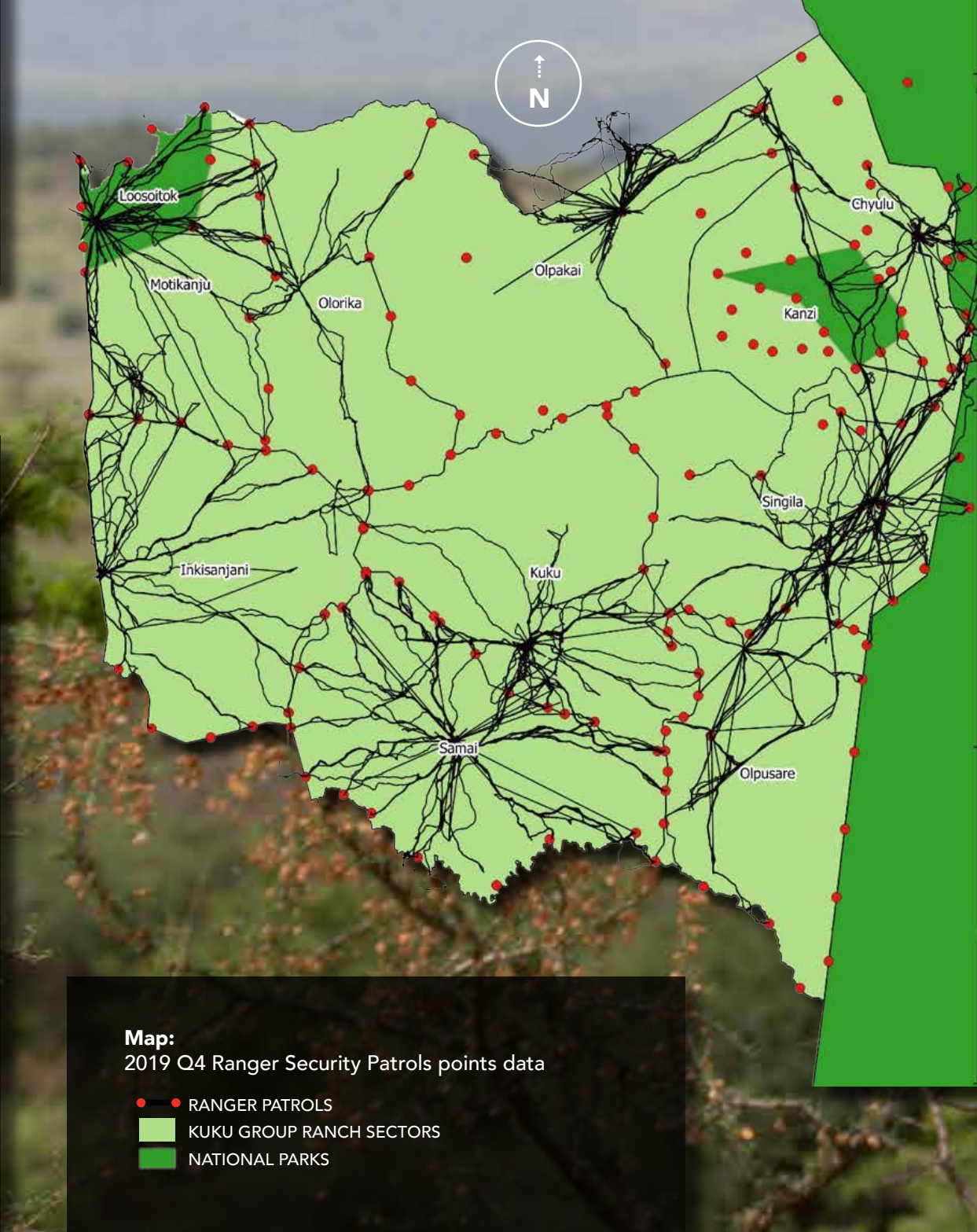
EDUCATION

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PARTNERS & SUPPORT



WILDLIFE & HABITAT PROTECTION



Samai sector covered the greatest distance (994km). The team faced some technological challenges as we implement a new version of SMART (connect), which had contributed to some data delays and lower statistics. The conservation team is currently rectifying this issue for next year.

SECTOR	DISTANCE (Kilometers)	PATROL POINT TARGET	ACTUAL POINTS VISITED
Samai	994	60	19
Chyulu	393	39	12
Ittilal	639	51	14
Olpakai	469	39	13
Kuku	655	54	10
Motikanju	733	48	11
Inkisanjani	470	48	16
Olpusare B	821	51	14
Olpusare D	408	51	11
Olorika	119	66	7
Total	5,701	507	127



SMART & Cybertracker
Data Collection Trained



135
RANGERS

13
Sectors



6 to 8
Rangers per sectors



92
Dedicated Rangers for daily
Kuku Group Ranch patrols



5,701
Total kilometers covered
on foot this Quarter



↑1% ↓42%
*Q3 2019 *Q4 2018

INCIDENTS & CONFLICTS

QUICK FACTS

Poaching:

- 1 - Arrest in Olpusare B/D
- 1 - Giraffe in Inkisanjani/Enkaroni

Elephant conflict:

- 1 - Kuku village

Lion Hunt:

- 1 - Prevented in Kuku village
- 1 - Lion killed as retaliation in Iltlal



Moran marching
in Iltlal after
a lion hunt



INCIDENT SUMMARIES

POACHING

OCTOBER 1 - OLPUSARE B/D

We received info from a local community member that there were outsiders who were doing farming along the Mokoine river and were seen poaching at night. Our rangers laid an ambush and rangers managed to arrest two suspects and took them to Loitokitok Police Station. OB No 09/01/10/2019.

OCTOBER 14 - INKISANJANI/ENKARONI

We received information from the Inkisanjani Zone Elder that a fresh giraffe carcass was seen in the Enkaroni area. Our rangers rushed to the area, with Kenya Wildlife Service and Big Life Foundation rangers. We found a whole fresh giraffe carcass on the scene and the rangers decided to lay an ambush the whole night. Unfortunately, the suspects are still at large, and we are on the lookout for their whereabouts.

ELEPHANT CONFLICT

OCTOBER 29 - KUKU VILLAGE

Near the border of Samai, one woman was attacked by an elephant, injuring her in the upper arm and shoulder area. The woman was rushed to Loitokitok Hospital where she is currently admitted. Our Samai sector responded immediately and were pleased to find that there was no retaliation.

LION HUNT

DECEMBER 1 - KUKU VILLAGE

Two lions (male and female) had scared cattle out of the boma in the middle of the night. The lions managed to kill one cow a few meters away from the boma and the community had gathered in a group of 30 individuals to hunt the lion. MWCT received this info from members of our team on the ground. MWCT was able to convince the owner and the Moran (young Maasai warriors) to call off the lion hunt.

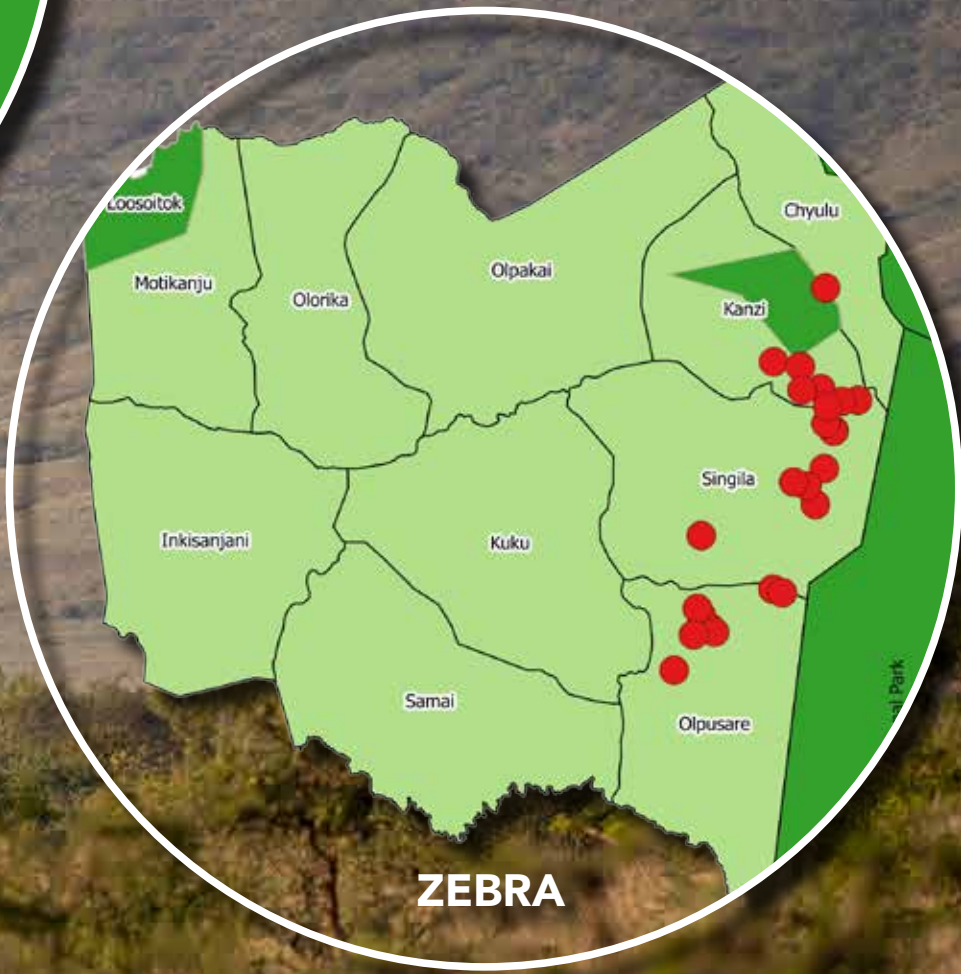
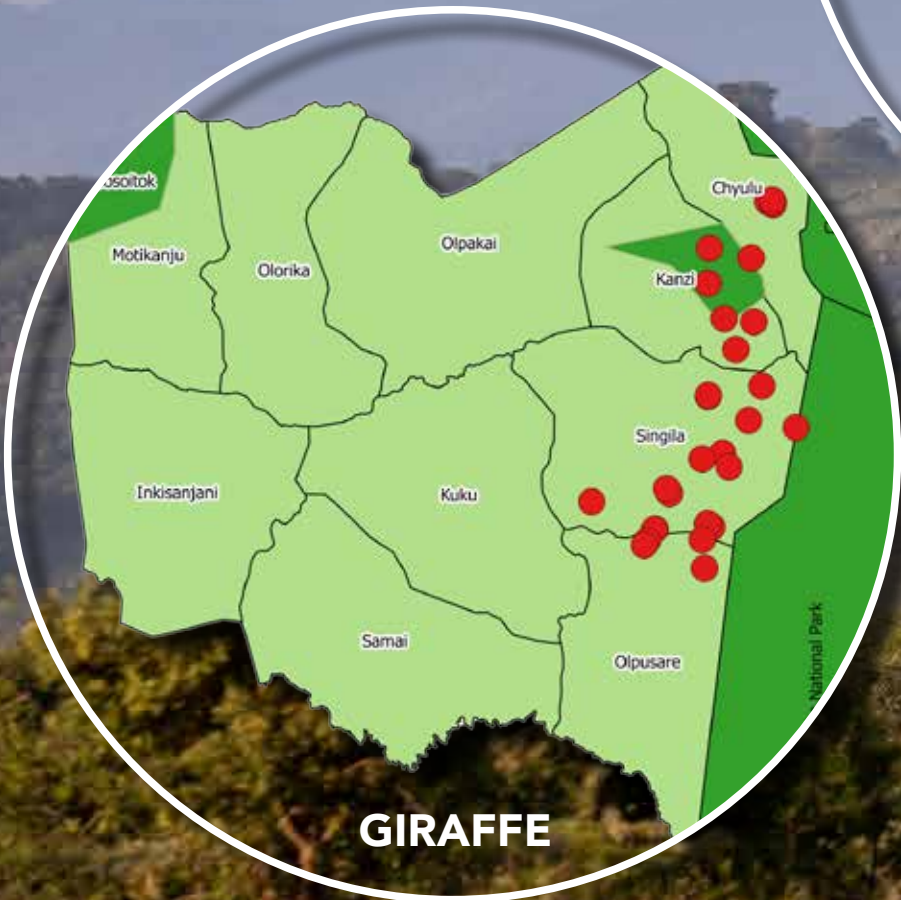
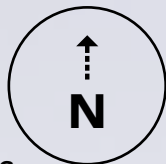
DECEMBER 5 - ILTILAL

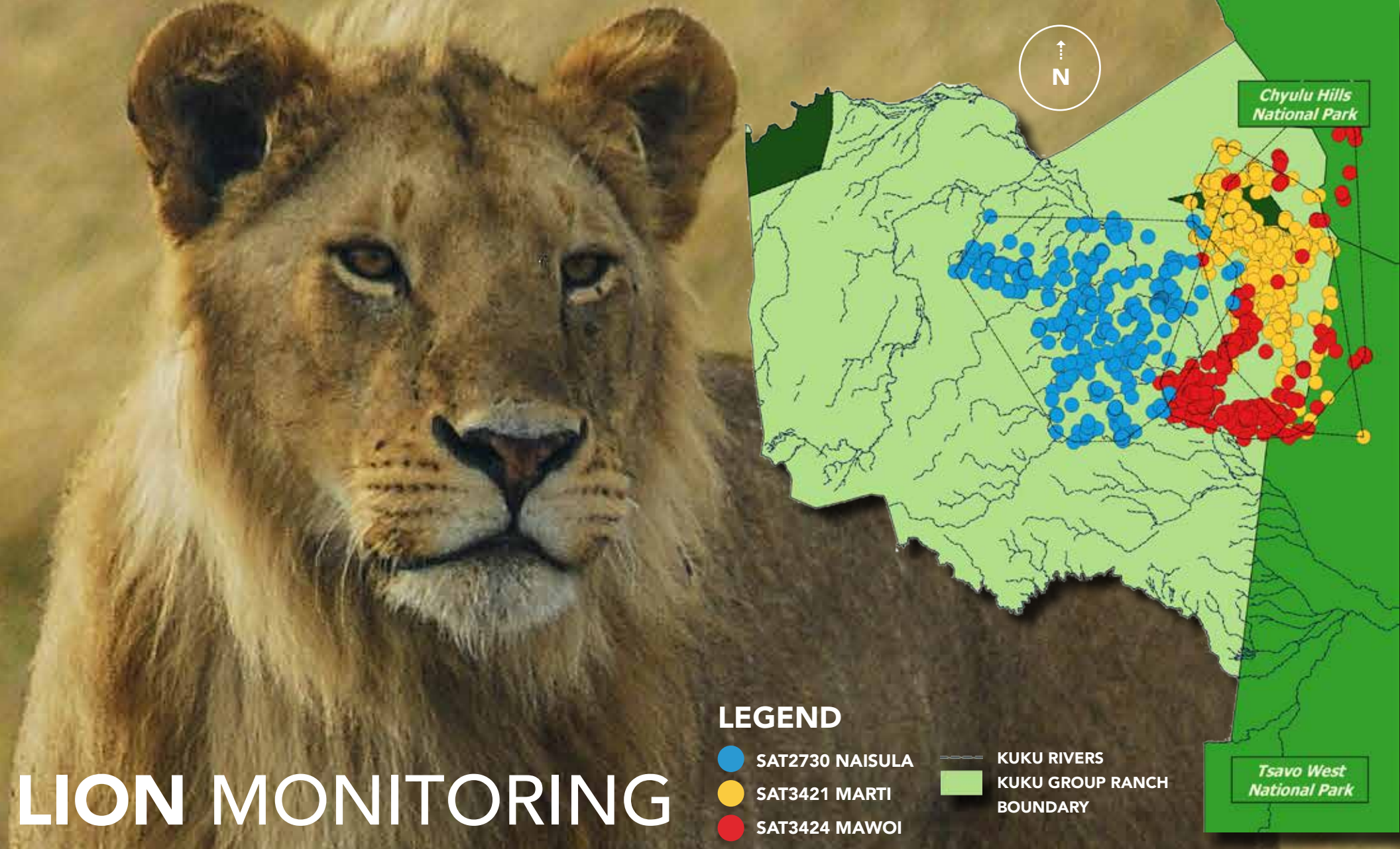
A sheep was killed by a lioness near Loongitok hill. The herders scared the lioness away and recovered their killed sheep. They reported the incident to our radio room for verification. However, the Moran heard about the kill and organized themselves towards where the lioness was resting. The Moran killed the lioness and brought parts of the dead lioness back to the village for celebration. MWCT received the report during the celebration and managed to identify the culprits, as well as recover the lioness parts. The Moran guilty of killing the lioness escaped to Imbirikani into a government Chief homestead to avoid getting arrested. An operation was organized to find the Moran responsible but the Chief keeping them safe used the community members to locate our rangers, making it difficult for our team to arrest them. The Moran are still at large and the investigation is ongoing.

WILDLIFE MONITORING

LEGEND

- SIGHTINGS
- NATIONAL PARKS
- KUKU CONSERVANCIES
- RANGER SECTORS





LION MONITORING

Collaring lions is a critically important step towards mitigating human-wildlife conflict. **Seven** individual Lions on the Kuku Group Ranch (KGR) have been collared with GPS/VHF tracking collars and **3** of the pride's movement during **Quarter 4 2019** are illustrated in the descriptive map. The monitoring is also important as we are able to assess population growth rates and habitat utilisation on KGR.

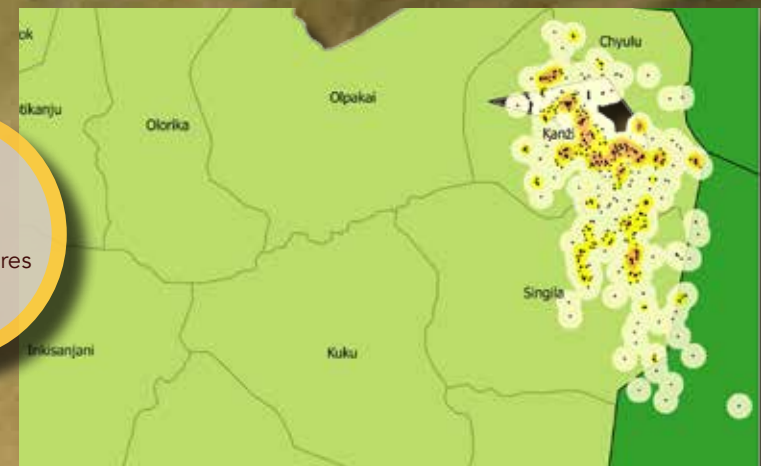
***Orkirikoi's** (male) & **Namunyak's** (female) collars did not transmit data through the satellite this quarter. **Nesambu's** (female) collar stopped working early April 2019. **Marti (male) was re-collared July 31, 2019. Mawoi (female) was re-collared October 26, 2019.** Namunyak's sister, **Nasha was newly collared on October 28, 2019.** We hope to use this to further track Namunyak as well and eventually de-collar her on the next collaring operation in 2020.

MARTI (male)
has been seen with a pride of 7 pride members. He has been spending time around Singila, Olkiloriti, Ittilal, Kanzi, Kerai, Mukao and Koikuma. He was involved in several livestock predations this quarter.

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



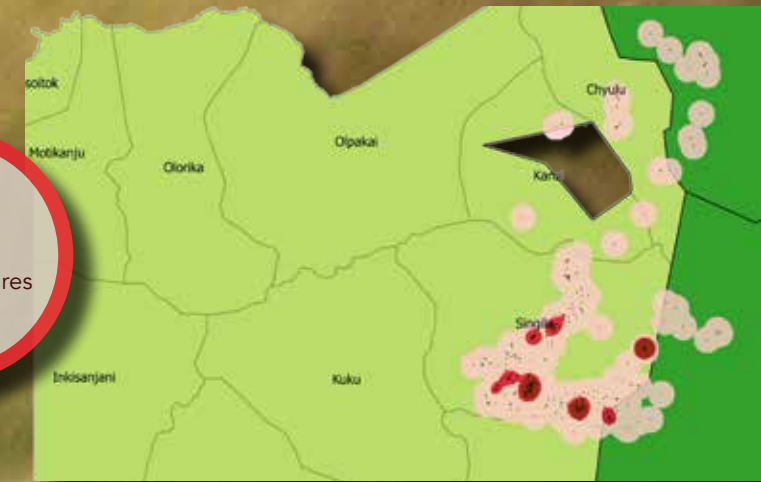
MARTI
Q4 Territory
14,601 hectares



MAWOI (female)
is part of a pride of 5 -8 members. She was seen spending time near Ittilal secondary school, Eyata bridge, Kanzi, Tsavo West and Chyulu Hills National Parks. Her pride was involved in 2 livestock predations.

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

MAWOI
Q4 Territory
21,662 hectares



NAISULA (female)
is part of a pride of 2 females. She spent most of her time in Olbongo, Kuku plains, Edonyo Olowuaru and Kuku river. Her pride was involved in 1 livestock predation.

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



NAISULA
Q4 Territory
21,114 hectares



SIMBA SCOUTS

This is a **dedicated team of 18 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

There were many lions involved in livestock killings this quarter and a handful of lion hunt attempts, resulting in 1 lioness killed in Iltilal village. The culprits are at large and our team continues to investigate their whereabouts.

LION RE-COLLARING

OCT 24 - OCT 29

The team successfully re-collared **Mawoi** (female) on October 26, 2019. **Namunyak** did not come within range, but her sister did, thus the team made the decision to fit a new collar on her sister on October 28, 2019 and named her **Nasha**. The intention is to also use the newly collared sister to keep track of Namunyak as well and eventually de-collar Namunyak on the next operation in 2020.

The collaring operation was led by Big Cat Biologist, Lana Muller, conducted together with the MWCT Conservation team, the KWS team led by Dr. Poghon and his team from the Sheldrick Wildlife Trust Mobile Veterinary Unit.

The team fitting the new collar onto Mawoi's neck and taking her biometrics to update her records.

3,739

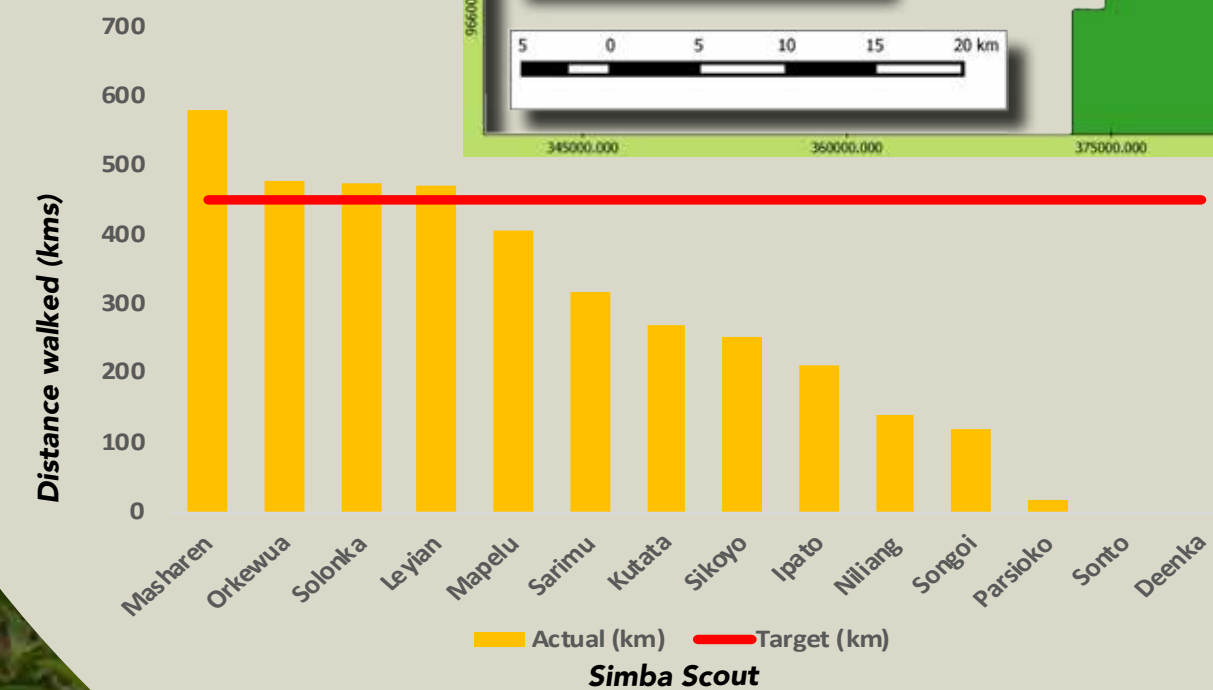
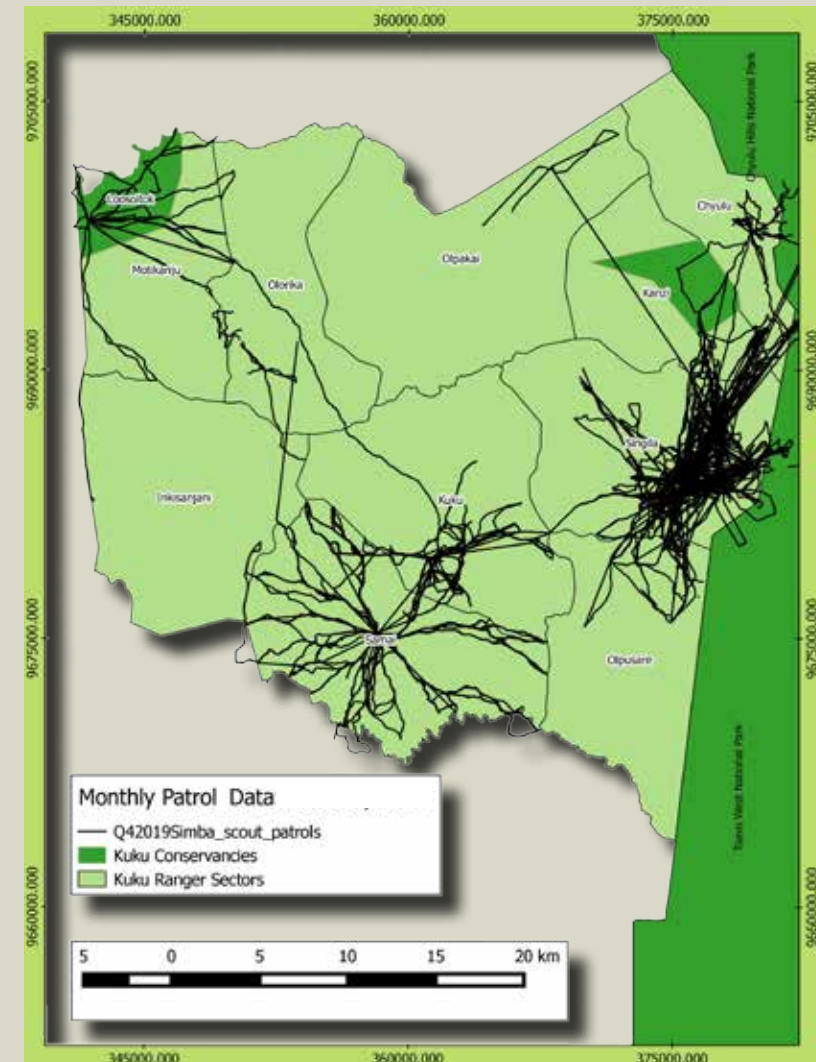
Total kilometers covered on foot this Quarter

↓ **48%** ↓ **25%**

*Q3 2019 *Q4 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 health issues and SMART download 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



\$23,905

**TOTAL PAY OUT
OF CLAIMS
FOR Q4**

↓ 4%

***Q3 2019**

400
INCIDENTS

↓ 17%

***Q4 2018**

4

**AVERAGE NUMBER
OF INCIDENTS
PER DAY
FOR Q4**

1,357

**MONTHLY KMS
TRAVELLED PER
VERIFICATION
OFFICER**

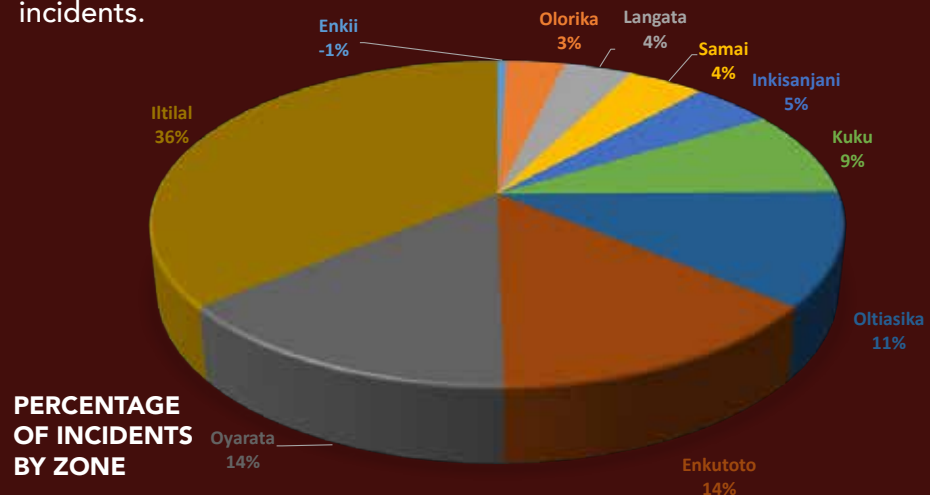
WILDLIFE PAYS

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.

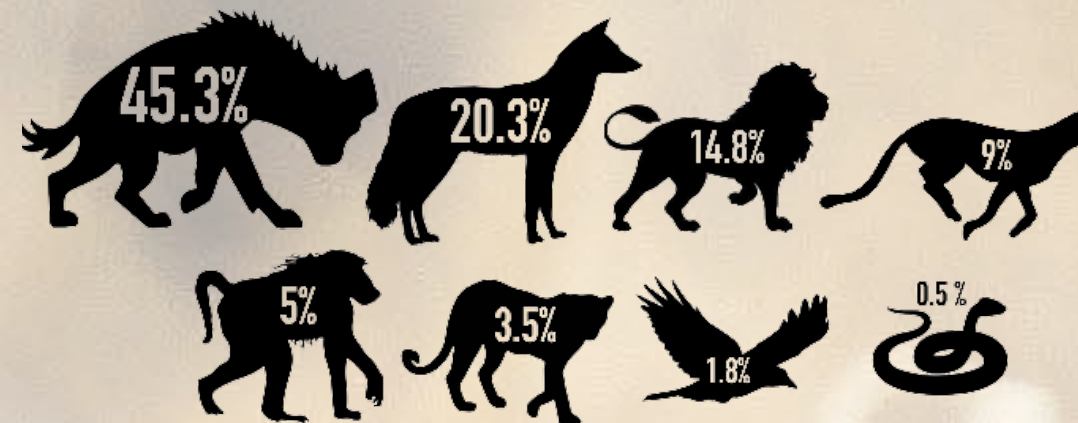
4TH QUARTER

For annual comparison purposes, this total of **400** claims is down from the 484 claims recorded during the Q4 of 2018. The Ittilal Wildlife Pays zone accounted for the highest number of incidents at 144 of the **approved 400**, equivalent to 36% of the total losses, while Enkii (2/0.5%) and Olorika (13/3.3%) zones had the least number of incidents.



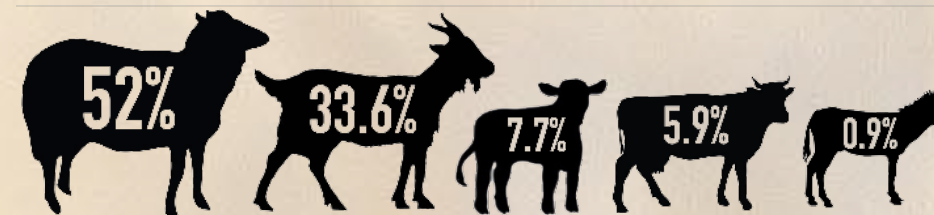
PREDATORS / WILDLIFE SPECIES

The most livestock taken in relation to predators were due to Hyena (181) followed by Jackal (81), Lion (59), Cheetah (36), Baboon (20), Leopard (14), Predatory Bird (7) and Snake (2). Specific percentages for the amount accounted for from each predator are reflected in the info graphic below.



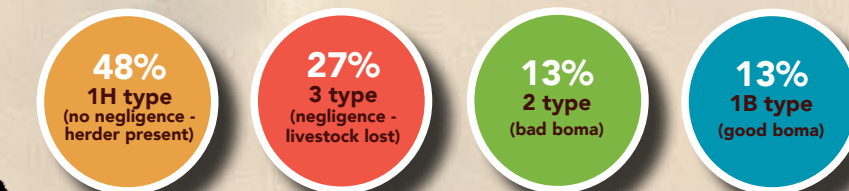
HEADS OF LIVESTOCK

A total of **562** heads of livestock were killed this quarter. The majority of livestock killed by predators were sheep (292/52%), followed by the other livestock species seen in the info graphic below.



CLAIMS & LOSS TYPES

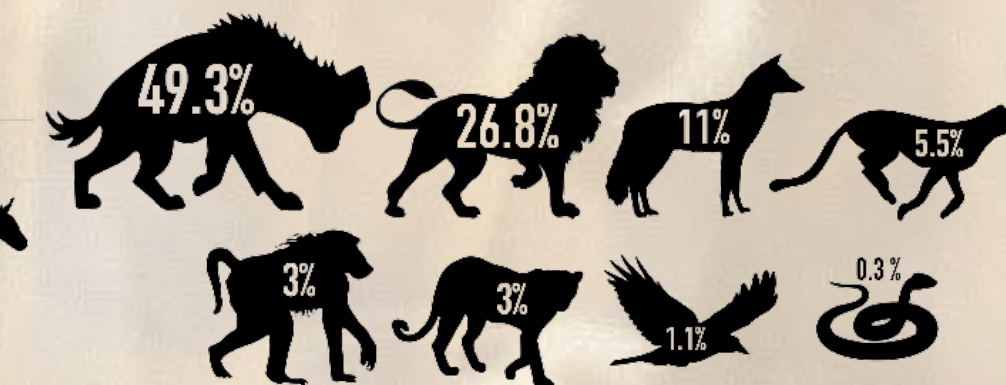
The total pay-out of claims was **2,407,500 Ksh** (USD 23,905), which is slightly higher than the amount paid in Q4 2018 (2,301,400 Ksh) (USD 22,945).



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

BEE KEEPING

OCT 6 to 11 - BEEKEEPING INSTITUTE LENANA, NBO
Attended by Mutuku Mutua, MWCT Bee-Keeping expert

Topics discussed included new beekeeping technologies, the huge importance of bees to the environment, the use of bee products, how to sustainably produce them and marketing strategies. After a 5-day training, Mutuku was issued a certificate of completion and new beekeeping materials were acquired for MWCT.

YOUTH WORKSHOP

NOV 7 to 8 - KIBOKO
Attended by MWCT Chairman - Samson Parashina, 8 Group Ranch Officials, 3 Senior Chiefs from Kuku, 7 Assistant Chiefs, REDD+ Coordinator - Lenaiya Timothy, Livelihoods Coordinator - Lanoi Meitiekini and 60 youth from Kuku Group Ranch.

The meeting was held to bring more awareness of the Land Use Managment Plan document to the youth groups and to review the areas that they felt needed amendments. Amendments that were discussed included SWOT analysis, settlements and Agriculture.

COMMUNITY FOCUS GROUP (APPLE GRANT)

NOV 25 to 30 - ILTIAL, OLTIASIKA, OYARATA, SAMAI, KUKU, ENGUSERO, INKISANJANI AND ENKII ZONE AREAS.
Attended by KGR officials, Chiefs, Conservation International Reps, MWCT Reps and members of the community.

The meeting was held to collect data and the views of the community on how Kuku was in the 1960s, how it is now and how it will potentially be in the next 15 years in terms of vegetation, population of people, livestock, lifestyle, natural resources and the possible solutions to the current problems. The team organized a visit to some of the degraded areas and the existing land restoration projects in Kuku. The community agreed that restoration projects like grass seed banks and bunds will help in restoring the degraded land.

REDD+ CARBON PROJECT

EASTERN SIDE ENGAGEMENT

NOV 5 - COMMUNITY OUTREACH
Attended by Luca Belpietro, Andrey Arutyunyan, Carole Mercier, Wilbur Mutua, George Kingola and Eastern Community Representatives.

The meeting was held to discuss how to allocate the funds for the community on the eastern side of the Chyulus. A tree planting initiative was discussed, a committee was formed to put forth a proposal depicting their needs and a WhatsApp group was created for direct communication between the REDD+ Project Office and the eastern side community.

KASIGAU HORIZONTAL LEARNING TRIP

NOV 11 - WILDLIFE WORKS REDD+ / MZIMA SPRINGS
Attended by Rombo: 4 GR Officials, 3 Chiefs, 3 Women Reps, Imbirikani: 4 GR Officials, 3 Chiefs, 3 Women Reps, Kuku: 8 GR Officials, 3 Chiefs, 3 Women Reps. 2 CHCT Kuku Board Members, 1 CHCT Rombo Board Member, 1 CHCT Imbirikani Board Member, 8 Eastern side Reps and 2 Project Office Reps.

The community learned about various alternative sources of livelihoods established through REDD+ and conservation efforts. They visited a tree nursery, organic farms, cloth-making, soap-making, painting and printing projects. The western side leaders visited Mzima Springs, as a way to explain the Water PES and how important it is to conserve the Chyulus.

CHCT BOARD & STRATEGIC MEETINGS

NOV 27 & 28 - MWCT HQ
Attended by Kuku GR Officials, BLF, Sheldrick Trust, KWS, MWCT Project Office, Luca Belpietro, Chris Tuite, Samson Parashina and Conservation International.

Topics discussed included Project Office management, strategic allocation of funds, Gucci carbon sale, REDD+ car branding, 2020 upcoming verification, eastern side community, hiring local community members for REDD+, credit marketing/ pricing and grant funding status.

LIVELIHOODS PROGRAMME

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.

RESTORATION PROJECTS

Moilo Grass Seed Bank

10 Women members
10 Acre project area
90% Project area fully restored
250 kgs grass seed sold

Maintenance:
The women worked on weeding and fence maintenance to prepare for next season. This improves the grass seed and hay yields during harvest.

Inkisanjani Grass Seed Bank

16 Women members
10 Acre project area
1.5 x 1.2m fenced
250 kgs grass seed sold

Maintenance:
The women worked on weeding and fence maintenance to prepare for next season. This improves the grass seed and hay yields during harvest.

Enkii Grass Seed Bank

20 Women members
10 Acre project area
85% Project area fully restored
30 kgs grass seed sold

Maintenance:
The women worked on weeding and fence maintenance to prepare for next season. This improves the grass seed and hay yields during harvest.



Inkisanjani Grass Seed Bank after the rain.

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.

*there were reductions in numbers due to mobility and access difficulties.

↓86%
Q3 2019

1
Outreaches*

↓39%
Q3 2019

3,185
Patients*

↓2%
Q3 2019

854
Lab tests*

↑2%
Q3 2019

354
Family planning

↓33%
Q3 2019

197
Ante Natal Clinic*

↓33%
Q3 2019

38
Hospital births*

↓12%
Q3 2019

1,027
Patients recieved mother and child health services*

74 men & women

attended a Sexual/Reproductive Health and Rights workshop held in Ittilal. Topics that were discussed included HIV/AIDS, ways to overcome the stigma of mdoren contraceptive methods and the consequences of early/forced marriages.



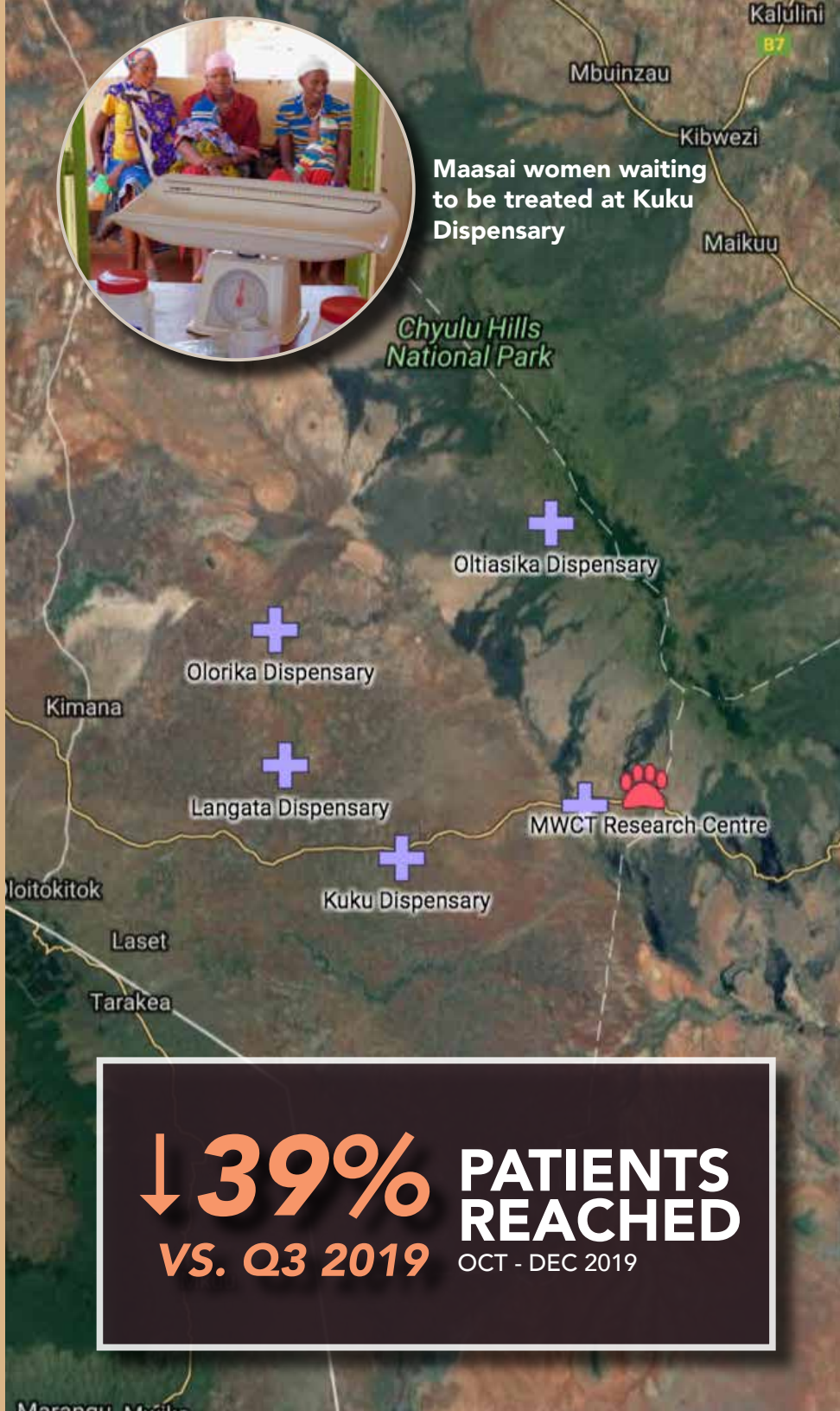
Felix Nandwa
(MWCT Lab technician)

90 sanitary pad packs

were distributed to 45 female students, along with new underwear, during a menstrual health education seminar. 109 students were educated on menstrual hygiene (52 boys and 57 girls).



Maasai women waiting
to be treated at Kuku
Dispensary



↓39%
VS. Q3 2019

**PATIENTS
REACHED**
OCT - DEC 2019

HEALTH PROGRAMME





25
Schools supported



61
Teachers employed



13
Support staff



9,467
Students enrolled
53% Boys **47%** Girls



64
Scholarships
19
Active



207
Bursaries
54
Active

ACHIEVEMENTS

MWCT sponsored an a career guidance workshop for the Kuku Elite (**365** students attended). We also engaged the students with many sports activities (**400** students attended).

Itlilal Kanzi primary school continues to have the highest enrolment of pupils, which stands at **1,218** with Inkisanjani and Elangata Enkima following closely with enrolments of **916** and **884** 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	40	41	81
2	Enkii Boys Secondary I	420	0	420
3	Oyarata Primary School	140	133	273
4	Nolasiti Primary School	159	179	338
5	Neiti Nursery School	58	40	98
6	Marlal Primary School	231	178	409
7	Enkii Primary School	228	270	498
8	Shokut Primary School	182	166	348
9	Enkolili Primary School	179	150	329
10	Leinkati Primary School	80	75	155
11	Elangata Enkima Primary	458	406	864
12	Olorika Primary School	339	311	650
13	Oltiasika Primary School	206	176	382
14	Inkisanjani Primary School	457	453	910
15	Olkaria Primary School	385	285	670
16	Kuku Primary School	152	206	358
17	Enkusero Primary School	113	147	260
18	Moilo Primary School	121	99	220
19	Itlilal Primary School	627	645	1,272
20	Loosoitok Primary School	104	102	206
21	Kaitoriori Nursery School	59	49	108
22	Samai Primary School	159	179	338
23	Oltonyo Lenkai Nursery	40	22	62
24	Manyata Nursery	66	38	104
25	Esoit Nursery	44	70	114

Total	5,047	4,420	9,467
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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.

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