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
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.

**Rangers**
- **SMART & Cybertracker Data Collection Trained:** 135 Rangers
- **Regions Trained:** 13 Sectors
- **Rangers per sectors:** 6 to 8
- **Rangers for daily Kuku Group Ranch patrols:** 92

**Distance walked (kms)**
- **Total:** 5,701
- **Target:** 507
- **Visited:** 127

### Ranger patrol targets and actual distances reached.
Distance targets vary depending on the size of the sector.

**Map:** 2019 Q4 Ranger Security Patrols points data
- **KUKU GROUP RANCH SECTORS**
- **NATIONAL PARKS**

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### SECTOR - DISTANCE (Kilometers) - PATROL POINTS VISITED

<table>
<thead>
<tr>
<th>Sector</th>
<th>Distance (Km)</th>
<th>Patrol Points Visited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samai</td>
<td>994</td>
<td>60</td>
</tr>
<tr>
<td>Chyulu</td>
<td>393</td>
<td>39</td>
</tr>
<tr>
<td>Iltilal</td>
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</tr>
<tr>
<td>Olpakai</td>
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<td>39</td>
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<td>Kiliau</td>
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<td>Mochtanga</td>
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<td>Olpesare B</td>
<td>121</td>
<td>51</td>
</tr>
<tr>
<td>Olpesare D</td>
<td>408</td>
<td>51</td>
</tr>
<tr>
<td>Olenika</td>
<td>119</td>
<td>46</td>
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</tbody>
</table>

**Total**
- **Distance walked (kms):** 5,701
- **Patrol Points Visited:** 507
QUARTERLY REPORT 2017
MAASAI WILDERNESS CONSERVATION TRUST

INCIDENTS & CONFLICTS

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.

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 Iltilal
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.

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

- **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.

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

*Orkiriok’s (male) & Namunyak’s (female) collars did not transmit data through the satellite this quarter. Nasana’s (male) collar stopped working early April 2019. Marti (male) was re-collared July 21, 2019. Mawoi (female) was re-collared October 26, 2019. Nasana’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.*
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.

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.

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

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.

The total kilometers covered on foot this Quarter:
1Q4 2019: 48%
1Q3 2019: 25%

*25%
*Q4 2018

3,739
Total kilometers covered on foot this Quarter

0 100 200 300 400 500 600 700
0 5 10 15 20 KM

Masharen
Orkewua
Solonka
Leyian
Mapelu
Sarimu
Kutata
Sikoyo
Ipato
Niliang
Songoi
Parsioko
Sonto
Deenka

Actual (km)
Target (km)

Simba Scout
CAMPATRAP SIGHTINGS

- Giraffe
- Elephant
- Hyena
- Spotted Hyena
- Warthog
- Lion
- Female Lion
- Male Lion
- Cubs
- Leopard
- Cheetah
- Gazelle
- Grant's Gazelle
- Thomson's Gazelle
- Baboon
- Impala
- Eland
- Hartebeest
- Wildebeest
- Zebra
- Buffalo
- Dik Dik
- Jackal
- Kudu
- Porcupine
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.

WILDLIFE PAYS

400 INCIDENTS

4TH QUARTER

For annual comparison purposes, this total of 400 claims is down from the 484 claims recorded during the Q4 of 2018. The Iltilal 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 (20.5%) and Olfurika (13.3%) zones had the least number of incidents.

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).

PREDATOR / WILDLIFE SPECIES

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

PREDATOR PAY-OUT VALUE PERCENTAGES

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.
MAASAI WILDERNESS CONSERVATION TRUST
QUARTERLY REPORT 2017

EASTERN SIDE ENGAGEMENT

NOW 5 - COMMUNITY OUTREACH
Attended by Leo, Mwamini, Mwamari, Akeyo Arutyunyan, Carolle Mercier, Wilbur Mutua, George Kingola and Eastern Community Representatives.

The meeting was held to discuss how to allocate the funds for the community projects in the next season. This improves the grass seed and hay yields during harvest.

COMMUNITY FOCUS GROUP (APPLE GRANT)
NOW 25 to 30: LISITAL, QILASIA, QVYATOMA, SAMALU, KUKU, ENKOIYO, INKISANJANI and ENKII ZONE AREAS
Attended by KGR officials, Chiefs, Conservation International Reps, and 2 Project Office Reps.

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 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.

YOUTH WORKSHOP
NOW 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 - Lamot Melleikiin and 60 youth from Kuku Group Ranch.

The meeting was held to bring more awareness of the Land Use Management 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.

KASIGAU HORIZONTAL LEARNING TRIP
NOW 11 - WILDLIFE WORKS REDD+ / MIZMA SPRINGS
Attended by Rombo: 4 GR Officials, 3 Chiefs, 3 Women Reps, Imbirikani: 4 GR Official, 3 Chiefs, 3 Women Reps, Kuku: 8 GR Officials, 3 Chiefs, 2 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 livelihood established through REDD+ and conservation efforts. They visited a tree nursery, organic farms, cloth-making, soap-making, painting and printing projects. The eastern 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
NOW 27 & 28: MWCT HQ
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 REDD+ project area and the eastern side community.

RESTORATION PROJECTS

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

Hikajanjani 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.

Enki 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.

TOPICS DISCUSSED INCLUDE:
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.

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 and 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.

COMMUNITY ENGAGEMENT

ENGUSERO, INKISANJANI AND ENKII ZONE AREAS
Attended by Mutuku Mutua, MWCT Bee-Keeping expert

After a 5-day training, Mutuku was issued a certificate of completion and new beekeeping materials were acquired for MWCT.

COACHING AND MENTORING

MEETINGS & COLLABORATIONS

LIVELIHOODS PROGRAMME

MWCT supports 13 Maasai Women’s Groups to explore viable 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.

TOPICS DISCUSSED INCLUDE:
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.
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.

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

1,027 patients received mother and child health services.

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).
ACHIEVEMENTS

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

Iltilal 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 Iltilal 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, Iltilal and Elangata do not have adequate classrooms to cater for their high enrolments. They are also experiencing shortage of teachers.

EQUIPMENT PROGRAMME

**School Name** | **Boys** | **Girls** | **Total**
--- | --- | --- | ---
1 | Iltilal Secondary School | 40 | 41 | 81
2 | Enkii Boys Secondary | 420 | 0 | 420
3 | Oyaruta Primary School | 140 | 133 | 273
4 | Nolasiti Primary School | 159 | 179 | 338
5 | Nolali Nursery School | 40 | 98 | 138
6 | Maril 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 | Otiauika Primary School | 206 | 176 | 382
14 | Inkisanjani Primary School | 457 | 453 | 910
15 | Olkana Primary School | 385 | 285 | 670
16 | Kuku Primary School | 152 | 206 | 358
17 | Erunyuru Primary School | 113 | 147 | 260
18 | Mallo Primary School | 121 | 99 | 220
19 | Iltilal Primary School | 627 | 645 | 1,272
20 | Loosokitok Primary School | 104 | 102 | 206
21 | Kaitarion Nursery School | 59 | 99 | 158
22 | Samil 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**

Students enrolled: 9,467
Teachers employed: 61
Support staff: 13

Schools supported: 61
Teachers employed: 61
Support staff: 13

Scholarships: 64
Boys: 53%
Girls: 47%

Bursaries: 207
Active: 54
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.
WORKING WITH THE COMMUNITY FOR THE PROTECTION AND PRESERVATION OF CULTURAL HERITAGE, THRIVING WILDLIFE AND A VITAL ECOSYSTEM.

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