# MONTHLY REPORT:
## APRIL 2020

### SUMMARY of ACTIVITIES:

#### WILDLIFE CONSERVATION PROGRAM: Big Tusker Project – Aerial & Ground Activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours Flown</th>
<th>Kilometers Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerial Reconnaissance</td>
<td>52.5 (251.5 for year)</td>
<td>6,280 (28,724km for year)</td>
</tr>
<tr>
<td>Average 119km p/h of low-level flight</td>
<td>Flights carried out jointly with KWS staff</td>
<td></td>
</tr>
<tr>
<td>Rhino specific flights - TE &amp; TW</td>
<td>19.5 (96.5 for year)</td>
<td>2,224 (10,800km for year)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Activity</th>
<th>Days</th>
<th>Kilometers Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Patrol Days</td>
<td>Protection teams: 90 days (348 to date)</td>
<td>Vehicle patrols: 3,988km (26,449km to date)</td>
</tr>
<tr>
<td>Monitoring teams: 22 days (77 to date)</td>
<td>Foot patrols: 625km (2854km to date)</td>
<td></td>
</tr>
<tr>
<td>Monitoring teams: 4,607km (13,474km to date)</td>
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</tbody>
</table>

#### Ground Activities (Joint KWS / TT)

- **Big “Tuskers” observed**: 12 Tuskers - 3 Super Tusker bulls, 8 emerging bulls, 1 cow Tusker = 25 individual observations
- **Ivory recovered**: Nil elephant tusks (6 for year)
- **Elephant mortality**
  - *Fresh* (less than 3 weeks old): Nil – (c of d: nil)
  - *Recent* (less than 3 months old): Nil (c of d: nil)
- **Poacher camps/hides**
  - *Fresh* - Nil
  - *Recent* – Nil
- **Arrests**: 2 – by KWS / TT – 2 bushmeat for year to date
  - Bushmeat recvd: 450kg (629kg for year to date)
- **Snares/traps recovered**: 19 by Tembo Teams: 147 snares to date 2020 (114 small; 33 medium)
- **Support to KWS-armed incidents**: Nil
- **Illegal Livestock (only in PA)**: 7 cattle bomas (2,950 + cows, 200 shoots, 5 men)

#### Written reports to KWS

- 51 (daily Situation reports, various communications & 1 monthly report)

#### General & significant notes:

- Effects of COVID-19 has reduced TT operational activities by 40% (ground & aerial)
- Bushmeat poaching seen to be on the increase!
- 2/4/20: KWS Ranger attached to TT/KWS Tembo 3 team attacked by lioness in TWNP
- 9/4/20: Deployed TT Tembo 4 vehicle to TWNP IPZ to assist KWS rhino monitoring
- 21/4/20: Assisted in recovery of 1 rhino horn (natural drop off) in TWNP-IPZ
- 30/4/20: Sand Dam construction of Mbololo B, TENP, nearly completed

#### COMMUNITY CONSERVANCY PROGRAM:

##### Kamungi Conservancy

**North boundary TWNP**

- **Employment** (through T/Trust): 25 permanent, 20 temporaries
- **Membership**: 1,100 people
- **Community Mobilization meetings**: 4
- **Ongoing Projects**: Water project; Dispensary support; Kamungi HQ construction; VSLA’s
- **Human Wildlife Conflict (HWC)**: 18 reports, mainly stock killing leopard
- **Wildlife Counts**: Nil sample transect counts
- **Security Ops**: 15 snares recvd.; 3 ambushes for reported poachers

##### Shirango Conservancy

**South East boundary TENP**

- **Employment** (through T/Trust): 10 permanents
- **Membership**: 2,300 people
- **Community Mobilization meetings**: Nil
- **Ongoing Projects**: Water project; security outpost development; Social Economic Survey
- **Human Wildlife Conflict (HWC)**: 9 reports, mainly leopard & hyena
- **Wildlife Counts**: Nil
- **Security Ops**: T1 team – 2 arrests (bushmeat); 11 snares recvd; 450kg L/kudu meat recvd.

#### FIELD CONSERVATION FORMAL PARTNERS:

- **ZSL-Zoological Society London**: Partner with ZSL: Rhino Impact Bond (RIB) in TWNP & Community development
- **STE-Save The Elephants**: Partner in aerial & ground monitoring - collared elephants; Elephants & Bees project
- **ASDF-African Sand Dam Fdn**: Construction of sand dams to assist in habitat recovery – partnership with KWS / ASDF & Excellent Development UK
- **JAAT-Anti-venom Trust**: Partner to JAAT (professional supplier of top-quality snake bite antivenom) – Tsavo outlet

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**WILDLIFE CONSERVATION PROGRAM:**

“**Big Tusker Project**” - aerial and ground mobile teams:

### Table 1: Summary of Big Tusker Project (BTP)

<table>
<thead>
<tr>
<th>Activity / Detail</th>
<th>Number &amp; Brief Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BTP individual Tusker sightings</strong></td>
<td>Total = 25 sightings – with recent rains, elephants are spread far and wide</td>
</tr>
<tr>
<td>Super Tusker Bulls</td>
<td>3 individuals (HA1 re-sighted, last confirmed sighting Sept18)</td>
</tr>
<tr>
<td>Emerging Tuskers (bulls)</td>
<td>8 individuals</td>
</tr>
<tr>
<td>Iconic Cow Tuskers</td>
<td>1 individual</td>
</tr>
<tr>
<td>Elephant Mortality</td>
<td>Nil</td>
</tr>
<tr>
<td>Ivory Recovered</td>
<td>Nil</td>
</tr>
<tr>
<td>Elephant Treatment</td>
<td>Nil</td>
</tr>
<tr>
<td>Wildlife Rescues</td>
<td>Nil</td>
</tr>
<tr>
<td><strong>Rhino Support</strong></td>
<td>Regular aerial patrols with KWS over TWNP &amp; TENP rhino areas in partnership with KWS / ZSL. 9 rhino specific recce resulting in 2,224km flown over 19.5hrs (9 TW &amp; Nil TE).</td>
</tr>
<tr>
<td><strong>HWC cases attended to</strong></td>
<td>Nil</td>
</tr>
<tr>
<td>Arrests</td>
<td>2 (bushmeat poachers)</td>
</tr>
<tr>
<td>Wire Snares Recovered</td>
<td>19 (4 medium, 15 small)</td>
</tr>
<tr>
<td>Bush Meat Recovered (Kg)</td>
<td>450kg (Lesser kudu meat &amp; 1 Dikdik)</td>
</tr>
<tr>
<td>Poachers Equip. Recovered</td>
<td>3 m/bikes, 3 pangas, 2 lamps, 2 horns, 2 m/phones &amp; other equip.</td>
</tr>
<tr>
<td>Poachers camps/Blinds</td>
<td>2 (2 fresh)</td>
</tr>
<tr>
<td>Night Ambushes set</td>
<td>3</td>
</tr>
<tr>
<td>Response to Armed Situations</td>
<td>Nil</td>
</tr>
<tr>
<td><strong>Foot patrols (km) Tembo Teams</strong></td>
<td>625km foot patrols – 3 teams</td>
</tr>
<tr>
<td>Collared Elephant Observations</td>
<td>20 forms submitted to STE (joint KWS/TT teams)</td>
</tr>
<tr>
<td>Carnivore Monitoring</td>
<td>Ongoing partner to KWS TCA Research for carnivore monitoring</td>
</tr>
<tr>
<td>Invasive Plants</td>
<td>Ongoing mapping and monitoring of Opuntia cactus – TENP</td>
</tr>
<tr>
<td>Critically Endangered Raptors</td>
<td>Ongoing monitoring</td>
</tr>
<tr>
<td>Illegal Cattle Drive KWS Support</td>
<td>Nil</td>
</tr>
<tr>
<td>Charcoal &amp; Logging</td>
<td>Nil inside TWNP. (Certain areas outside the Parks are out of control)</td>
</tr>
<tr>
<td>Training</td>
<td>1 TT Scout – snake handling at Bio-Ken Snake Farm, Watamu</td>
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<tr>
<td></td>
<td>1 KWS Research Officer-Masters training with funding support from TT</td>
</tr>
<tr>
<td><strong>TT HQ Rainfall</strong></td>
<td>140mm. Total rainfall to date: 443mm</td>
</tr>
</tbody>
</table>

**Photo of Tusker coded as LU1 on 25th April 2020, TWNP.**

**LU1 is one of the 10 Super Tuskers that live in Tsavo today.**

**LU1 has been physically observed by Tsavo Trust / KWS 273 times since 1st January 2014, the date he was first recorded into the BTP database. This averages 1 sighting every 8 days since then.**
**Aerial Reconnaissance - Areas Covered:**

- This vital conservation tool provides "eyes in the skies" over Tsavo and directional guidance to ground units.
- All flight paths are logged and recorded with all relevant real-time observations relayed to KWS on a daily basis for their records as well as necessary rapid actions.

Map shows Tsavo Trust’s flight paths over the TCA in April 2020.

52.5 hours flown covering 6,280 kilometers over Tsavo in support of KWS.

Covering: Air & ground activities; Big Tusker monitoring; Locating illegal activities; Wildlife monitoring; Aerial census and telemetry tracking.

Photo shows inside view from the Tsavo Trust Super Cub 5Y TTZ with pilot Nick Haller carrying out aerial patrol on 2nd April 2020 over the flowing seasonal Tiva River in TENP.
**Field Mobile Units:**

Tsavo Trust’s mobile field teams work alongside KWS, who take the lead role, on a daily basis. **Tembo 1, 3, 5 teams & Kamungi Scouts** are habitat protection / de-snaring focused whilst **Tembo 2 & 4 teams** are wildlife monitoring based. All teams provide further “eyes and ears on the ground”.

**Habitat Protection / De-snaring teams:**

**Table 7: Shows outcomes from field activities from Tembo 1, 3, 5 & Kamungi Scouts teams:**

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</thead>
<tbody>
<tr>
<td>Tembo 1 (TENP) (6 TT Scouts + 3 KWS Rangers)</td>
<td>30</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>450kg Lesser kudu &amp; Dikdik</td>
<td>3 mbikes, 3 pangas, 2 spotlights, 2 horns, 2 torches, 2 phones</td>
<td>2 active</td>
<td>-</td>
<td>2,344</td>
<td>195</td>
</tr>
<tr>
<td>Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)</td>
<td>30</td>
<td>-</td>
<td>-</td>
<td>4 medium</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,644</td>
<td>206</td>
</tr>
<tr>
<td>Tembo 5 (TWNP) 14 TT Scouts + 3 KWS Rangers</td>
<td>Temp. halted Due to COVID</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Kamungi Scouts 4 Scouts</td>
<td>30</td>
<td>Nil</td>
<td>15</td>
<td>15 small</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3,988</td>
<td>224</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>90</strong></td>
<td><strong>2</strong></td>
<td><strong>Nil</strong></td>
<td><strong>13</strong></td>
<td><strong>450kg</strong></td>
<td><strong>As above</strong></td>
<td><strong>2</strong></td>
<td><strong>Nil</strong></td>
<td><strong>3,988</strong></td>
<td><strong>625</strong></td>
</tr>
</tbody>
</table>

**Monitoring & Evaluation teams:**

**Table 8: Shows activities carried out by Tembo 2 & 4 teams – monitoring & evaluation:**

<table>
<thead>
<tr>
<th>Monitoring teams</th>
<th>No. Field days</th>
<th>Activities</th>
<th>Endangered species records / sightings</th>
<th>Operating locations</th>
<th>Vehicle mileage km</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>39</strong></td>
<td><strong>As above</strong></td>
<td><strong>As above</strong></td>
<td><strong>As above</strong></td>
<td><strong>1,619</strong></td>
</tr>
<tr>
<td><strong>Total 2020</strong></td>
<td><strong>116</strong></td>
<td><strong>-</strong></td>
<td><strong>-</strong></td>
<td><strong>-</strong></td>
<td><strong>8,867</strong></td>
</tr>
</tbody>
</table>
18th April 2020: TENP / Murondo boundary - 3 freshly poached lesser kudu and 1 Dikdik recovered during a night ambush, following informer tip off and aerial sighting of poachers with motorbikes carrying bushmeat. 2 bushmeat poachers arrested, 3 motorbikes recovered and various poachers’ equipment also.

28th April 2020, KWS Dakota Base, TENP, Tsavo Trust Board Member Stuart Herd donating field solar equipment to this strategic KWS outpost including radio and mobile phone charging options; lights for base and for field mobile unit.
<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>KAMUNGI Conservancy</th>
<th>SHIRANGO Community Conservancy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ongoing partnership between Tsavo Trust &amp; KC &amp; SCC</td>
<td>North boundary of TWNP – Triangle. Marken County; Kibwezi Sub county; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.</td>
<td>South boundary of TENP – Voi River area. Total area 270km²; Kilifi County; Ganze Sub-location; Bamba Ward; Mitangani location; Gede Sub-location.</td>
</tr>
<tr>
<td>Employment (through Tsavo Trust)</td>
<td>Between Tsavo Trust and its partners 25 permanent staff and 20 casual staff were employed generating over $10,000 (Ksh. 1,000,000) of income into Kamungi monthly.</td>
<td>Tsavo Trust employs 10 staff from SCC including a Community Liaison Officer (CLO) to spear head activities. Salaries generate over $2,200 (Ksh.220,000) of income monthly as a result.</td>
</tr>
<tr>
<td>Community Mobilization and Sensitization Meetings</td>
<td>➢ 4 community meetings held ➢ ZSL/Darwin – VSLA meetings - Nil</td>
<td>➢ Nil ➢ Social Economic Survey completed</td>
</tr>
<tr>
<td>Membership</td>
<td>Through a registered CBO KC membership represents 100 families &amp; over 1,100 individuals from 2 villages, mainly from the WaKamba community.</td>
<td>Through a registered CBO SCC membership represents at least 2,300 individuals from 5 villages, mainly from the Watha and Giriama ethnic groups.</td>
</tr>
<tr>
<td>Water Project</td>
<td>NIL litres of water was issued – pump has failed and needs repairs. Tsavo Trust is looking to other alternatives and funding to supplement supply.</td>
<td>Solar bore hole pump and solar panels are in place. Water users committee established. 2 community members now employed at water project. Security outpost is being constructed.</td>
</tr>
<tr>
<td>Basic Health care</td>
<td>314 patients attended (915 for year to date). Tsavo Trust is looking for funding for a bore hole here to support this healthcare outlet.</td>
<td>This is currently dis-functional. Nearest health centre is 10km away. 50% of residents rely on traditional herbal medicines.</td>
</tr>
<tr>
<td>Basic Education</td>
<td>Tsavo Trust has paid for 2 teachers (1 at Ngiluni &amp; 1 at Kamunyu School within KC) for the last 7 years. This is ongoing.</td>
<td>No activities as yet.</td>
</tr>
<tr>
<td>VSLA – Savings Groups</td>
<td>Village savings &amp; loan groups are in the progress – partnership between ZSL / KC &amp; Tsavo Trust for next 4 years.</td>
<td>None at present.</td>
</tr>
<tr>
<td>Training</td>
<td>Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for Snake handling and identification.</td>
<td>None at present.</td>
</tr>
<tr>
<td>HWC – Elephant Bee Fences</td>
<td>7 x 1-acre bee fences, total 105 beehives with 26 currently occupied.</td>
<td>N/A</td>
</tr>
<tr>
<td>Human Wildlife Conflict (HWC)</td>
<td>18 cases recorded: 3 elephant cases; 5 Leopard (8 shots); 8 zebra; 2 others</td>
<td>9 cases recorded: 4 hyenas (4 shots); 2 leopards (2 shots); 2 honey badger (2 chickens); 1 python</td>
</tr>
<tr>
<td>Land Tenure</td>
<td>KC was historically Ngai Ndethia NR. Land was surveyed and sold to individuals under Ngiluni Settlement Scheme back in the 1970’s. Title deeds have yet to be issued.</td>
<td>SCC land currently traditional communal mode of ownership, not legally protected. Efforts underway to ensure the local communities legally own their land. Ongoing.</td>
</tr>
<tr>
<td>Wildlife Census Transects</td>
<td>Nil – due to COVID-19</td>
<td>Annual aerial census due to take place.</td>
</tr>
</tbody>
</table>
Unusual Photo of the Month:

30th April 2020 - shows Tsavo Trust Super Cub at Finch Hattons airstrip in TWNP with Mt. Kilimanjaro extensively covered in ice in the background. Recent heavy rains has revealed some spectacular views of Kilimanjaro from Tsavo.

With sincere thanks and appreciation to the Kenya Wildlife Service; USAID / DOI; US Fish & Wildlife Service; The Oak Foundation; Leopardess Foundation (Nicole Honegger); JM Foundation Africa; Zoological Society of London (ZSL); Save The Elephants (STE) / Elephant Crisis Fund (ECF) / Wildlife Conservation Network (WCN); Global Wildlife Conservation; Cheyenne Mountain Zoo; Tusk Trust; International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); Stuart Herd; Sir Colin Southgate; Nick Southgate; Alex Graham; Nick Powell; James Robertson; Markus Jebsen; The Kratt Family; Loic Gouzer; Georg Waechter Memorial Foundation; Ndovu Trust (UK); Nick Lapham; Mike Kirkland - Satao Camp & Southern Cross Safaris (Msa); Ker & Downey Safaris; Paul Block; Anita Mishra & Paolo Mapelli; Glassybaby White Light Fund; Tropical Ice Ltd; the late John Fletcher; Paul & James Wilson; Askari Project – Australia; James Chiappa; Will Burrard-Lucas; Drew Doggett photography; Tofauti Foundation; Masai Wilderness Conservation Trust (MWCT); Origins Safaris; Catherine Lagrange; Enos Enterprises – Tembo Wine; International Fund for Animal Welfare (IFAW); TUI Care Foundation; Empowers Africa; Salama Fikira; Steve Parkinson; Conservation Alpha; JW Seagon Insurance; Howard Saunders; Sandor Carter; Sean Dundas; Karen Laurence-Rowe; James Lewin; OnSafari-Kenya-Anthony Cheffings; Alan Binks; Andreas Fox; Saving the Survivors – Johan Marais; Chris Acreman; Alex Hunter – Insiders Africa; Lewa Canada; ESRI – E.A.; Spidertracks; Pembroke House School and numerous other individual supporters.

Report compiled by Richard Moller – Chief Executive Officer, Tsavo Trust

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