


### SUMMARY:

<b>WILDLIFE CONSERVATION PROGRAM: Big Tusker Project – Aerial &amp; Ground Activities</b>		
<b>Activity</b>	<b>Hours Flown</b>	<b>Kilometers Covered</b>
<i>Aerial Reconnaissance</i>	<b>76</b> (655.5 for year) Average 116km p/h of low-level flight	<b>8,638</b> (75,894km for year) Flights carried out jointly with KWS staff
<i>Rhino specific flights</i>	<b>43.5</b> (246.6 for year)	<b>4,782</b> (28,549km for year)
<b>Field Patrol Days</b>		<b>Kilometers Covered</b>
<i>Ground Activities</i> (Joint KWS / TT)	<b>Protection teams: 90 days</b> (761 to date) <b>Monitoring teams: 45 days</b> (424 to date)	<b>Protection teams: 11,397 km</b> (82,399 to date) <b>Monitoring teams: 6,845 km</b> (55,335 to date)
<i>Big “Tuskers” observed</i>	<b>12</b> Tuskers - 4 Super Tusker bulls, 8 emerging bulls, Nil cow Tuskers = 22 individual observations	
<i>Ivory recovered</i>	<b>7</b> elephant tusks ( <b>50</b> for year to date)	
<i>Elephant carcasses</i>	<b>Fresh</b> (less than 3 weeks old)	<b>Recent</b> (less than 3 months old)
	<b>1</b> – (c of d: 1 poached)	<b>Nil</b> (c of d: nil)
<i>Poacher camps/hides</i>	<b>Fresh - 1</b>	<b>Recent – 2</b> (old)
<i>Arrests</i>	<b>5</b> – by KWS / TT – (2 bushmeat, 1 illegal grazer, 2 logging - <b>44 to date 2019</b> ) <b>Bushmeat: 45kg</b> bushmeat recovered (377kg for year to date)	
<i>Snares/traps recovered</i>	<b>77</b> by Tembo Teams – ( <b>530</b> for year to date)	
<i>Support to KWS-armed incidents</i>	<b>Nil</b>	
<i>Illegal Livestock (only in PA)</i>	<b>10</b> cattle bomas (8,250 + cows, 2,000 shoats, 12 people)	
<i>Written reports to KWS</i>	<b>82</b> (daily Situation reports, various communications & 1 monthly report)	
<i>General &amp; significant notes</i>	<ul style="list-style-type: none"> <li>21<sup>st</sup> Sept: Assisted in rescue of 6-month rhino calf in TWNP – IPZ following locating its dead mother (having died of natural causes-both horns recvd.)</li> </ul>	
<b>COMMUNITY CONSERVANCY PROGRAM:</b>		
<b>Kamungi Conservancy</b> North boundary TWNP 	<ul style="list-style-type: none"> <li>Employment: <b>28</b> permanent, <b>20</b> temporary      Membership: <b>1,000 people</b></li> <li>Community Mobilization meetings: <b>8</b></li> <li>Ongoing Projects: Water project, Dispensary support, Kamungi HQ support, tree planting, VSLA planning</li> <li>Human Wildlife Conflict (HWC): <b>30</b> reports; HEC fence planning stages</li> <li>Wildlife Counts: <b>2</b> sample transect counts</li> <li>Operations / Security: Nothing to report</li> </ul>	
<b>Shirango Conservancy</b> South East boundary TENP	<ul style="list-style-type: none"> <li>Employment: <b>8</b> permanent      Membership: <b>2,100 people</b></li> <li>Community Mobilization meetings: <b>2</b></li> <li>Ongoing Projects: Water project</li> <li>Human Wildlife Conflict (HWC): <b>16</b> reports</li> <li>Wildlife Counts: <b>Nil</b></li> <li>Operations / Security: Tembo 1 team – <b>2 bushmeat</b> poachers arrested</li> </ul>	
<b>FIELD CONSERVATION PARTNERS:</b>		
<i>Kenya Wildlife Service (KWS)</i>	<ul style="list-style-type: none"> <li>Assist in implementation of the TCA Management Plan 2019 – 2029</li> <li>Partner to KWS &amp; ZSL in the Tsavo’s in line with KWS Rhino Strategy – RII Project</li> <li>Assist in implementation of the KWS Hirola Recovery Plan</li> </ul>	
<i>Zoological Society of London (ZSL)</i>	<ul style="list-style-type: none"> <li>Partner with KWS &amp; ZSL in Rhino Impact Investment (RII) in TWNP – 15 flights</li> <li>Community development projects – north boundary of TWNP – Mangaleta &amp; Kamungi locations</li> </ul>	
<i>Save The Elephants (STE)</i>	<ul style="list-style-type: none"> <li>Assist in aerial and ground monitoring of collared elephants – 23 observed</li> <li>Partner with STE – Elephants &amp; Bees project – Kamungi Conservancy</li> </ul>	
<i>African Sand Dam Foundation-ASDF</i>	<ul style="list-style-type: none"> <li>Start up plans to develop sand dams to assist in habitat recovery – partnership with KWS / ASDF &amp; Excellent Development UK</li> </ul>	



### **WILDLIFE CONSERVATION PROGRAM:**

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

Tsavo Trust's Big Tusker Project (BTP) recorded the following details in the BTP database:

- Total of **12** different individual Tusker's were observed from ground and air coverage.
- 4 bull Super Tuskers – 8 different sightings.
- 8 Emerging bull Tuskers – 14 sightings.
- Nil Iconic cow Tuskers – Nil sightings.
- **Total sightings – 22**
- **Weather conditions:** TT HQ rainfall: **1mm**. Total rainfall at Tsavo Trust HQ to date: **47.5mm**.
- **Elephant mortality: 1 carcasse located (1 fresh):** C of D – 1 poached; **Nil recent**.
- **Ivory recovered: 7** tusks (from joint KWS / TT aerial & ground patrols).
- **Elephant treatment: Nil**
- **Rhino security:** Regular aerial reces with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL. 15 rhino specific reces resulting in 4,782km flown over 43.5 hrs (13 TW & 2 TE). 21<sup>st</sup> Sept19: Assisted in rescue of 6-month rhino calf in TWNP – IPZ following locating its dead mother (having died of natural causes-both horns recvd.)
- **Arrests: 5** (2 bushmeat poacher, 1 illegal livestock, 2 logging).
- **Snares recovered: 65**
- **Bushmeat recovered: 45kg** (1 warthog, 1 impala, 5 Dikdiks).
- **Poachers equipment recovered:** 1 poisoned arrow, 2 panga, 1 spotlights, 2 lamping horn, 1 knife.
- **Poacher camps/Blinds: 1** (fresh), **2** (1 old shooters platform & 1 old wood carvers camp).
- **Night ambushes:** set on **6** nights.
- **Response to armed situations: Nil.**
- **Hirola monitoring:** Ongoing key stakeholder with KWS in line with Hirola Recovery Strategy.
- **Collared Elephant:** Ongoing – 23 observations (ground and air) by joint KWS / TT teams.
- **Carnivore monitoring:** Ongoing partner to KWS TCA Research for carnivore monitoring.
- **Invasive Plants:** Ongoing mapping and monitoring of Opuntia cactus – TENP.
- **Critically Endangered Raptor monitoring:** Ongoing.
- **Illegal cattle drive:** Nil
- **Charcoal burning and logging:** Nil inside Park (certain areas outside the Parks charcoaling is out of control).
- **Training:**
  - ✓ 1 Tsavo Trust scout on snake handling training, ongoing at Bio Ken Snake Farm, Watamu.
  - ✓ 1 KWS Research Officer - Masters training with funding support from Tsavo Trust.

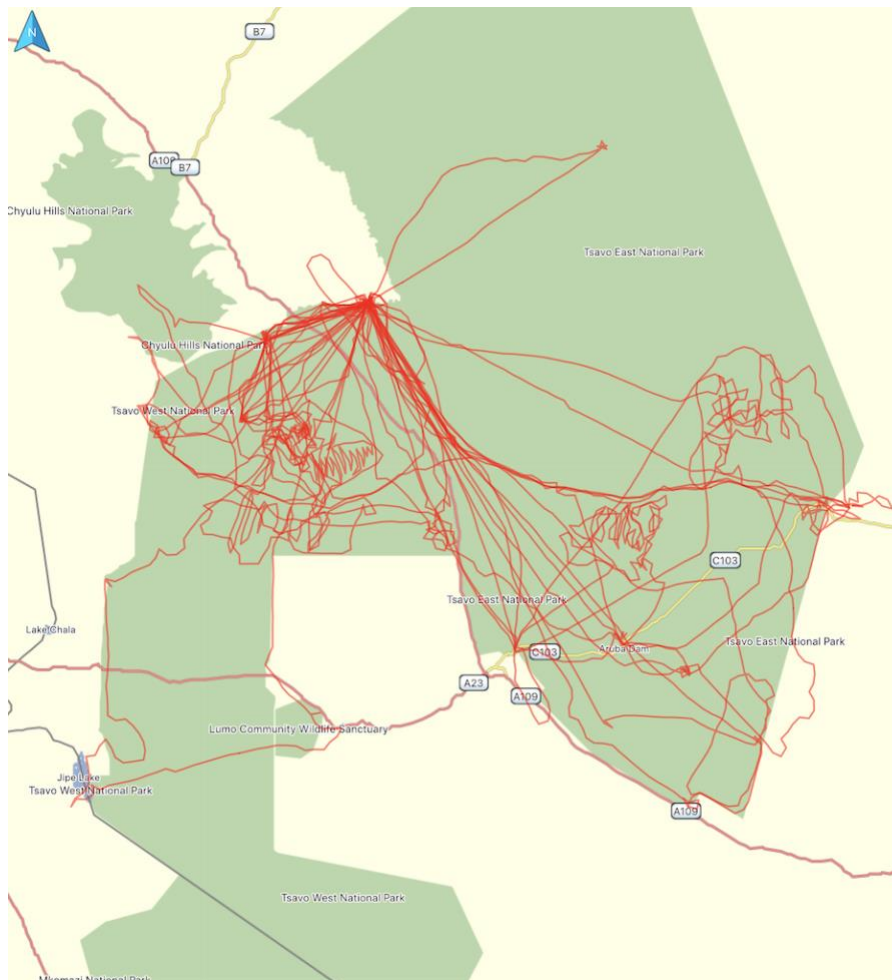
**Table 1: Shows “Tusker” code, number of times observed during month and brief remarks.**

Tusker Code	No. Times Seen / Month	Brief Remarks
<b>BULLS</b>		
LU1	2	In good health, back to his regular dry season range
WS1	3	Back inside Park, but venturing out overnight for food
BA1	2	Settled back to his original dry season range
IL1	1	Normal location
TA1	1	Back to original location
BL1	2	Normal location
TS1	2	Normal location
KI1	3	Back to normal location
CH1	1	Normal location
MG1	2	Back to original dry season range
KM2	2	Normal location
MM1	1	Normal location
<b>COWS</b>		
Nil		
<b>TOTAL</b>	<b>12 bulls &amp; Nil cows: 22 different sightings</b>	
<i>Close working relationship between KWS and Tsavo Trust (aerial and ground units) is without doubt adding to elephant security / safety of the big Tuskers and other elephants in Tsavo through meaningful and joint teamwork.</i>		

**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 reaction.

**Map below shows Tsavo Trust’s flight paths over the TCA in September 2019. 76 hours flown covering 8,638 kilometers over Tsavo in support of KWS: Air & ground activities; Big Tusker monitoring; Locating illegal activities; Wildlife monitoring; Aerial census and tracking.**



## 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:

De-snaring teams	No. Field days	No. Arrest	No. Ivory recvd.	No. Snare recvd.	Bushmeat recvd.	Poachers equip. recvd.	No. Poacher camps	No. HWC Cases	Vehicle mileage km
<b>Tembo 1 (TENP)</b> (6 TT Scouts + 3 KWS Rangers)	30	2 Bushmeat poachers	2	55 All for small game	45kg 1 warthog, 1 impala, 5 Dikdiks	2 laming horns, 1 poisonous arrow	1 fresh	Nil	3,640
<b>Tembo 3 (TWNP)</b> (6 TT Scouts + 3 KWS Rangers)	30	1 Illegal livestock herder	3	3 2 for small game, 1 medium	Nil	Nil	1 old shooting platform	1 Assisted KWS to put out bushfire	4,525
<b>Tembo 5 / Kamungi (TWNP)</b> 14 TT Scouts + 3 KWS Rangers	30	2 2 hard wood collection	2	19 All for medium game	Nil	Nil	Nil	Nil	3,232
<b>TOTALS</b>	<b>90</b>	<b>5</b>	<b>7</b>	<b>77</b>	<b>45kg</b>	<b>As above</b>	<b>2</b>	<b>1</b>	<b>11,397</b>
<b>Total 2019</b>	<b>761</b>	<b>44</b>	<b>24</b>	<b>530</b>	<b>377kg</b>	<b>-</b>	<b>19</b>	<b>9</b>	<b>82,399</b>

## Monitoring & Evaluation teams:

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

Monitoring teams	No. Field days	Activities	Endangered species records / sightings	Operating locations	Vehicle mileage km
<b>Tembo 2 (TENP)</b> (3 TT staff + 2 KWS)	25	-Tusker monitoring -Hirola monitoring -Grevy's zebra monitoring -Carnivore monitoring -Carnivore scat collection for analysis – hair content -Mombasa/Nairobi - Road & SGR kill surveys -Camera trap surveys -Fixed point photos -Collared elephant reporting -SGR underpass surveys – 10 days	-Tuskers – 6 sighting -Hirola – 5 -Grevy's Zebra – 3 -Large Carnivores – Lion 11, wild dogs 2 -Road & Rail kills – 3 -Elephant carcasses – 0 -Rain gauge readings -Collared elephants – 6 Carnivore scat collect - 0	TENP, Ndololo, Kandechea, Kanderi, Aruba, Satao, Mukuaju, Voi, Kono Moju, Dida Harea, Ndara, Ngutuni, Dika plains, Bachuma, Dakota, Msa – Nbi road between Voi & Bachuma, KMC Ranch, Kuple Nek, Manyani, Irima, Mudanda, Ndii	4,023
<b>Tembo 4 (TWNP)</b> (2 TT staff + 2 KWS)	20	-Tusker monitoring -Rhino monitoring in IPZ -Carnivore monitoring -Mombasa/Nairobi - Road & SGR kill surveys -Rainfall data collection -Camera trap surveys -Fixed point photos -Collared elephant reporting	-Tuskers – 5 sighting -Rhino monitoring IPZ -NRS night census – 95 -Large Carnivores – Leopard 1, lion 1, wild dog 4, spotted hyena 1 -Road & Rail kills – 7 -Elephant mortality - 0 -Rain gauge readings -Collared elephants – 2 Kamungi Cons. Game census transects – 11 species	TWNP, Kamboyo, Mangalete, Kilaguni, Mungai, Poachers lookout, Kitani, old Chyulu gate, Mzima, Shetani, Finch H, Ziwani, Tsavo River, Rhodesia Hill, pipe line, Rhino Valley, Ndawe, Ngulia, Kenani, Kyulu, Manyani, IPZ, NRS, Kamungi Cons.	2,822
<b>TOTALS</b>	<b>45</b>	<b>As above</b>	<b>As above</b>	<b>As above</b>	<b>6,845</b>
<b>Total 2019</b>	<b>424</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>55,335</b>

**COMMUNITY CONSERVANCY PROGRAM:**



<b>KAMUNGI CONSERVANCY - Monthly Activities – August 2019</b>	
<b>PROJECT</b>	<b>ACTIVITY REPORT</b>
<b>Ongoing partnership between Tsavo Trust and Kamungi Conservancy (KC)</b>	Bordering northern boundary of TWNP – Triangle. KC is located in Makueni County; Kibwezi Sub county; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.
<b>Employment</b>	Between Tsavo Trust and its partners 38 permanent staff and 20 casual staff were employed generating over \$ 10,000 (Ksh. 1,000,000) of income into Kamungi every month.
<b>Community Mobilization and Sensitization Meetings</b>	<ul style="list-style-type: none"> <li>➤ 8/9/19: KC Board meeting – CBO, bank acc. Opening, HEC fence etc</li> <li>➤ 12/9/19: Iviani &amp; KC &amp; TT community meeting re HEC fence</li> <li>➤ 16/9/19: Chiefs Office meeting Mtito Andei – Community policing etc</li> <li>➤ 24/9/19: Tree planting at Ngiluni water tank</li> <li>➤ 26/9/19: HEC fence meeting – MC Govt, MCA, CLO, &amp; EIA Officers</li> <li>➤ 27/9/19: HEC fence meeting Kyusiani, MCA, KC CLO &amp; TT</li> <li>➤ 27/9/19: CBO up dated name</li> </ul>
<b>Kamungi Membership</b>	Through a registered CBO KC membership represents 100 families & over 1,000 individuals.
<b>Kamungi Water Project</b>	15,300 litres of water was issued from dispensing kiosk at Ngiluni Village. <i>Tsavo Trust is looking to other alternatives and funding to supplement supply.</i>
<b>Health - Ngiluni Dispensary</b>	<i>Tsavo Trust is looking for funding for a water bore hole here to support this vital healthcare outlet in this region. Numbers of visitors have increased since Dispensary re build and upgraded.</i>
<b>Education</b>	Tsavo Trust has paid for 2 teachers (1 at Ngiluni & 1 at Kamunyu School within KC) for the last 6 years. This is ongoing.
<b>Training</b>	Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for <i>Snake handling and identification.</i>
<b>HWC – Elephant Bee Fences</b>	7 x 1-acre bee fences, total 105 bee hives with 15 currently occupied. Due to the poor rains in this area, the bees have not made the honey we had anticipated and in fact many have vacated hives.
<b>Human Wildlife Conflict (HWC)</b>	30 cases were recorded around Kamungi Conservancy. HWC cases: 21 elephant cases, 4 Leopard (5 shoats killed), 2 Hyena, 2 baboons, 1 Jackal.
<b>Kamungi Forestry Project</b>	24/9/19: over 15 different species indigenous trees planted.
<b>Snake anti-venom</b>	Tsavo Trust partners with the James Ashe Anti-venom Trust (JAAT)/ Bio-Ken Snake Farm, Watamu stock top-quality anti-venom. No human cases this month. (Tsavo Trust currently holds 4 vials for emergency use).
<b>Wildlife Census Transects</b>	Ongoing – taking place 2 times p/month along set transects within KC to give base line data on wildlife trends. 11 different species were identified this month (218 observations).
<b>Operations and Security Tembo 5 Team = T5 Kamungi Scouts = KS</b>	<ul style="list-style-type: none"> <li>➤ <b>Arrests:</b> Nil</li> <li>➤ <b>Snares / traps / bushmeat:</b> Nil</li> <li>➤ <b>Equip. recvd.:</b> Nil</li> <li>➤ <b>Elephant carcass / Ivory:</b> Nil</li> <li>➤ <b>Night ambushes:</b> Nil</li> </ul>
<b>VSLA – Savings Groups</b>	Village savings & loan groups are in the process of being set up – partnership between ZSL / KC & Tsavo Trust for next 4 years.

**“SHIRANGO COMMUNITY CONSERVANCY”:**

<b>SHIRANGO COMMUNITY CONSERVANCY - Monthly Activities – August 2019</b>	
<b>PROJECT</b>	<b>ACTIVITY REPORT</b>
<b>Ongoing partnership between Tsavo Trust and Shirango Community Conservancy (SCC)</b>	Bordering onto southern boundary of TENP – Voi River area. Total area 270km. SCC is located within Kilifi County; Ganze Sub-location; Bamba Ward; Mitangani location; Gede Sub-location.
<b>Employment</b>	Tsavo Trust employs 8 staff from this community including a Community Liaison Officer (CLO) to spear head activities. Salaries generate over \$ 1,600 (Ksh. 160,000) of income every month to this community as a result.
<b>Community Mobilization and Sensitization Meetings</b>	<ul style="list-style-type: none"> <li>➤ 9/9/19: CLO meeting with Ndarako Village re water project progress &amp; re name change of CBO for SCC.</li> <li>➤ 18/9/19: CLO to Kilifi County Lands Office re Shirango land tenure. Community Land Committee to be established and Govt. Lands Surveyor to follow, but this will take time.</li> </ul>
<b>Shirango Membership</b>	CBO name change to <i>Shirango Community Conservancy</i> (SCC) is in process and approved by the Board (was <i>Shirango Community Development Project</i> ). Members come from 5 villages on the fringes of Shirango Community Conservancy: Shirango; Gede Jira/Garbiti; Ngambo/Baisa; Dabaso; Chamamba. Members registration is ongoing – at least 2,000 to date, mainly come from the Watha and Giriama ethnic groups. Ongoing.
<b>SCC Land tenure</b>	SCC land is currently under traditional communal mode of ownership. It is not legally protected & hence has been used and abused (charcoaling, poaching, hard wood extraction, livestock barons coming in from far etc). Efforts are underway to ensure the Watha & local communities legally own land that is historically theirs.
<b>Shirango Water Project</b>	Solar bore hole pump and solar panels are being procured and then installed to finalise this much needed project. By year end this will be complete.
<b>Health – Shirango Dispensary</b>	This is currently dis-functional due to various challenges – funding, water supply, no nurse, no equipment etc. Nearest health centre is 10km away. 50% of residents rely on traditional herbal medicines.
<b>Education</b>	No activities as yet.
<b>Training</b>	None in August.
<b>Human Wildlife Conflict (HWC)</b>	16 cases recorded in SCC. HWC cases: 10 hyena, 4 lion (3 cows killed, 2 injured), 2 leopard
<b>Operations and Security Tembo 1 team = T1</b>	<ul style="list-style-type: none"> <li>➤ <b>Arrests:</b> 3/9/19 – 2 bushmeat poachers, OB No. 45/03/09/2019, boundary with Shirango / TENP Voi River</li> <li>➤ <b>Snares &amp; traps recvd.:</b> 55 snares, 45kg warthog, impala, 5 Dikdiks</li> <li>➤ <b>Equip. recvd.:</b> 1 horns, 1 spotlights, 2 pangas</li> <li>➤ <b>Elephant carcass / Ivory:</b> 26/9/19 – T1 located 1 fresh elephant carcass, poached, 2 ivory recvd. 45.8kg both, TENP, Voi River</li> <li>➤ <b>Night ambushes:</b> 2</li> </ul>

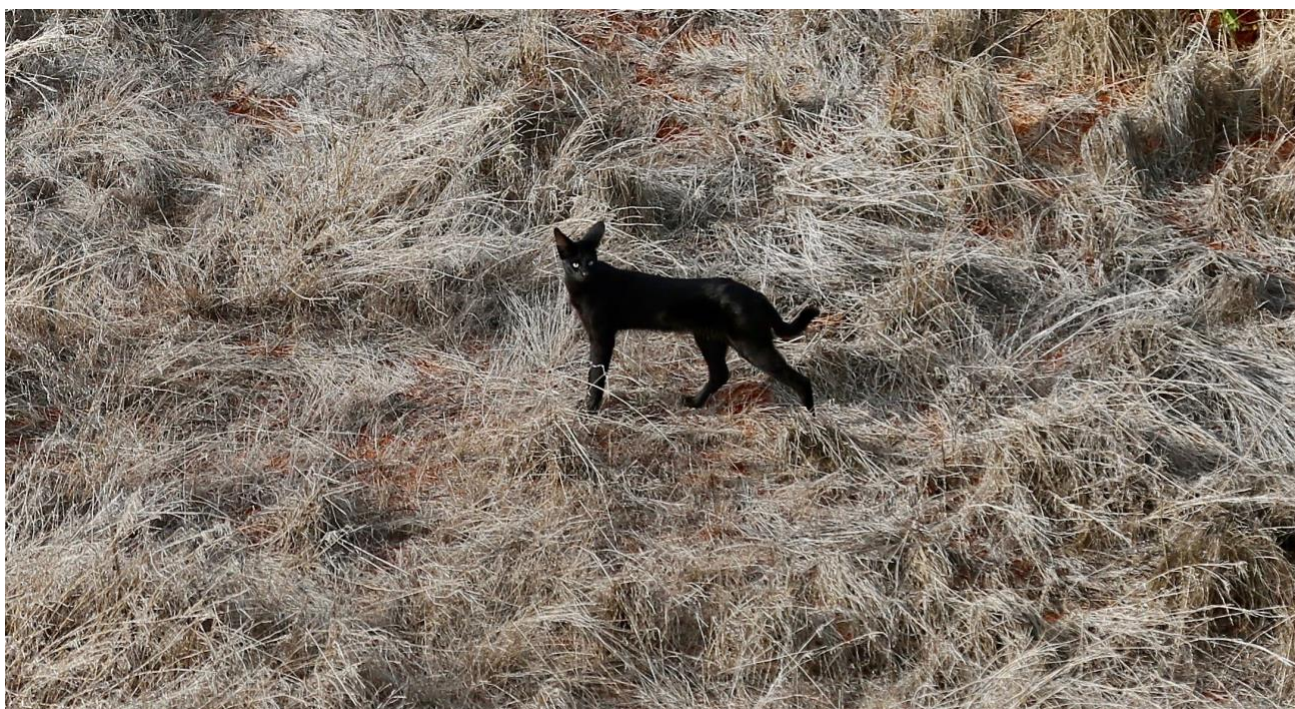


*Photo shows a de-snaring team member uplifting a snare on Shirango in September 2019.*

*These patrols are carried out jointly with KWS.*

## ***Unusual Photo of the Month:***

*Photo taken on 28<sup>th</sup> September 2019 in TENP of a rare melanistic Serval cat (*Leptailurus serval*). We have seen this special cat on occasions before now in the same location.*



**With sincere thanks and appreciation** to the Kenya Wildlife Service, US Fish & Wildlife Service, The Oak Foundation, USAid / DOI, Tusk Trust, Cheyenne Mountain Zoo, Leopardess Foundation (Nicole Honegger), JM Foundation Africa, Zoological Society of London (ZSL), Save The Elephants, Stuart Herd, Sir Colin Southgate, Nick Southgate, Alex Graham, Nick Powell, James Robertson, Markus Jebsen, The Kratt Family, International Fund for Animal Welfare (IFAW), Loic Gouzer, Georg Waechter Memorial Foundation, International Elephant Foundation (IEF), Disney/Wildlife Conservation Society (WCS), Ndovu Trust (UK), Mike Kirkland - Satao Camp & Southern Cross Safaris (Msa), Ker & Downey Safaris, Global Wildlife Conservation, Paul Block, Anita Mishra & Paolo Mapelli, Tropical Ice Ltd, the late John Fletcher, Askari Project – Australia, Skip & Joanie Mooney, Origins Safaris, Catherine Lagrange, Enos Vineyards, Salama Fikira, Steve Parkinson, Conservation Alpha, JW Seagon Insurance, The Art of BAS & Oak Furniture Land, Howard Saunders, Sandor Carter, Sean Dundas, Karen Laurence-Rowe, James Lewin, OnSafari-Kenya-Anthony Cheffings, Alan Binks, Andreas Fox, Oleg Guerrand-Hermes, Kathy Snowden, Saving the Survivors – Johan Marais, TUI Care Foundation, Chris Acreman, Paul & James Wilson, Alex Hunter – Insiders Africa, Will Burrard-Lucas, Lewa Canada, ESRI – E.A., Spidertracks, Pembroke House School and numerous other individual supporters.

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

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