


MONTHLY REPORT:

NOVEMBER 2019

ACTIVITY & OUTCOME SUMMARY TABLE:

WILDLIFE CONSERVATION PROGRAM: Big Tusker Project – Aerial & Ground Activities		
Activity	Hours Flown	Kilometers Covered
Aerial Reconnaissance	76 (844.5 for year) Average 114km p/h of low-level flight	9,036 (96,473km for year) Flights carried out jointly with KWS staff
Rhino specific flights	28.5 (323.5 for year)	3,216 (37,426km for year)
	Field Patrol Days	Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 90 days (944 to date) Monitoring teams: 51 days (532 to date)	Protection teams: 10,315km (102,889 to date) Monitoring teams: 5,796km (70,348 to date)
Big “Tuskers” observed	11 Tuskers - 2 Super Tusker bulls, 6 emerging bulls, 3 cow Tuskers = 29 individual observations	
Ivory recovered	6 elephant tusks (65 for year to date)	
Elephant mortality	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	1 – (c of d: 1 unconfirmed)	1 (c of d: 1 unconfirmed)
Poacher camps/hides	Fresh - Nil	Recent – 1
Arrests	15 – by KWS / TT – (1 bushmeat poacher, 14 illegal livestock - 61 to date 2019) Bushmeat: Nil (417kg for year to date)	
Snares/traps recovered	95 by Tembo Teams – (625 for year to date)	
Support to KWS-armed incidents	1	
Illegal Livestock (only in PA)	21 cattle bomas (10,100 + cows, 4 people)	
Written reports to KWS	78 (daily Situation reports, various communications & 1 monthly report)	
General & significant notes	<ul style="list-style-type: none">Nov19: Aerial & ground team support KWS during major cattle drive in TWNP. 14 arrested illegal herders; over 2,700 cows impounded & 15 bomas destroyedMajor rainfall throughout Nov19 = 163mm at TT HQ	
COMMUNITY CONSERVANCY PROGRAM:		
<div><div>Kamungi Conservancy</div><div>North boundary TWNP</div><div></div></div>	<ul style="list-style-type: none">Employment (through T/Trust): 28 permanent, 20 temporaryMembership: 1,000 peopleCommunity Mobilization meetings: 5Ongoing Projects: Water project, Dispensary support, Kamungi HQ support, tree planting, VSLA planningHuman Wildlife Conflict (HWC): 21 reports; HEC fence planning stagesWildlife Counts: 2 sample transect counts. 1 cheetah spotted in KC – a first for over 20 years (info. from local community)Security Ops: 1 arrested bushmeat poacher (Kyusiani Village); 93 snares recvd. (Kalawa)	
<div><div>Shirango Conservancy</div><div>South East boundary TENP</div></div>	<ul style="list-style-type: none">Employment (through T/Trust): 8 permanentMembership: 2,100 peopleCommunity Mobilization meetings: 1Ongoing Projects: Water project near completionHuman Wildlife Conflict (HWC): 4 reportsWildlife Counts: NilSecurity Ops: T1 team – 3-night ambushes; 3 snares recvd.; 1 poachers camp located	
FIELD CONSERVATION PARTNERS:		
Kenya Wildlife Service (KWS)	<ul style="list-style-type: none">Partner to KWS & ZSL in the Tsavo’s in line with KWS Rhino Strategy – RII ProjectPartner in implementation of the KWS Hirola Recovery Plan	
Zoological Society of London (ZSL)	<ul style="list-style-type: none">Partner with KWS & ZSL in Rhino Impact Investment (RII) in TWNP – 10 flightsCommunity development projects – Mangalet & Kamungi locations	
Save The Elephants (STE)	<ul style="list-style-type: none">Assist in aerial and ground monitoring of collared elephants – 14 observedPartner with STE – Elephants & Bees project – Kamungi Conservancy	
African Sand Dam Foundation-ASDF	<ul style="list-style-type: none">Construction of sand dams to assist in habitat recovery – partnership with KWS / ASDF & Excellent Development UK	

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 **11** different individual Tusker’s were observed from ground and air coverage.
- 2 bull Super Tuskers – 10 different sightings.
- 6 Emerging bull Tuskers – 15 sightings.
- 3 Iconic cow Tuskers – 4 sightings.
- **Total sightings – 29**
- **Rainfall - TT HQ: 163mm.** Total rainfall to date: **324mm.**
- **Elephant mortality: 2 carcasses located (1 fresh, 1 recent):** C of D – 2 unconfirmed.
- **Ivory recovered: 6 tusks** (from joint KWS / TT aerial & ground patrols).
- **Wildlife Rescues:** 1 Dikdik released from snare.
- **Elephant treatment: Nil**
- **Rhino security:** Regular aerial recces with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL. 10 rhino specific recces resulting in 3,216km flown over 28.5 hrs (8 TW & 2 TE).
- **Arrests: 15** (1 bushmeat poacher, 14 illegal livestock herders).
- **Snares recovered: 95**
- **Bushmeat recovered: 40kg.**
- **Poachers equipment recovered:** 5 spotlights; 2 lamping horns; 10 pangas; 2 spears; 1 bicycle; 1 axe.
- **Poacher camps/Blinds: Nil** (fresh), **1** (recent).
- **Night ambushes:** set on **3** nights.
- **Response to armed situations: 1** (gunshot report-CHNP).
- **Hirola monitoring:** Key stakeholder with KWS in line with Hirola Recovery Strategy.
- **Collared Elephant:** 14 observations – 14 submitted forms to STE (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:** 7th to 30th Nov19. Assisted with Tembo 5 team & aerial coverage.
- **Charcoal burning and logging: 1** 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.

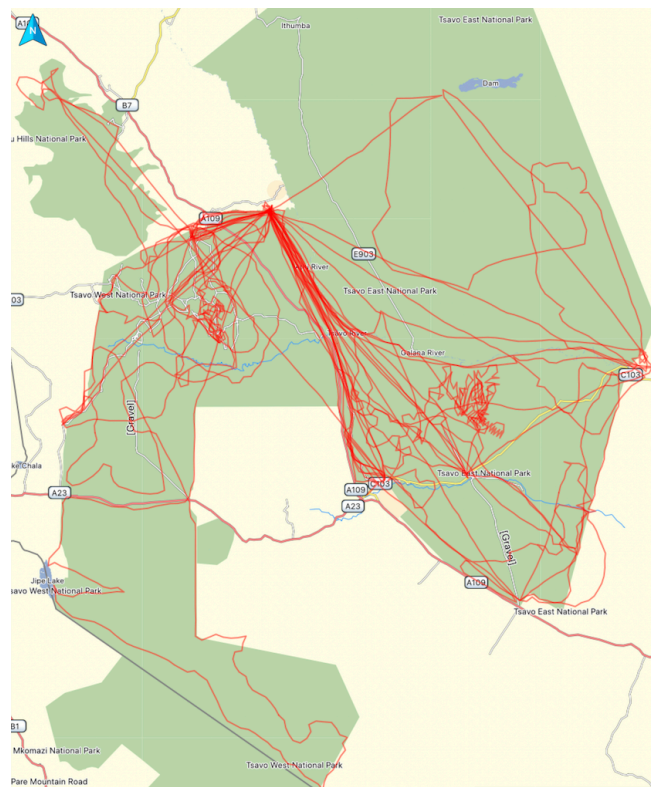
Tusker Code	No. Times Seen / Month	Brief Remarks
BULLS		
LU1	9	In good health, moved to wet season location
WS1	1	Back inside Park, but venturing out overnight for food
BL1	1	Normal location
SI1	1	Normal location
TA1	2	Normal location
KI1	1	Back to normal location
CH1	4	Normal location
MG1	6	Back to original dry season range
COWS		
F-DI1	1	Moved big distance in search of food
F-AR1	1	Normal location
F-XT1	2	Normal location
TOTAL	8 bulls & 3 cows: 29 different individual sightings	
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.		



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 November 2019. 76 hours flown covering 9,036 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
Tembo 1 (TENP) (6 TT Scouts + 3 KWS Rangers)	30	Nil	Nil	2	Nil	Nil	1	Nil	3,319
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	30	1 Bushmeat poacher	2	93	40kg	5 Spotlights 2 lamping horns 4 pangas 1 bicycle 1 axe	Nil	Nil	2,808
Tembo 5 / Kamungi (TWNP) 14 TT Scouts + 3 KWS Rangers	30	14 Illegal herders	Nil	Nil	Nil	2 spears 6 pangas	Nil	Nil	4,188
TOTALS	90	15	2	Nil	40kg	As above	1	Nil	10,315
Total 2019	944	61	30	530	417kg	-	20	9	102,889

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
Tembo 2 (TENP) (3 TT staff + 2 KWS)	21	-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	-Tuskers – 7 sighting -Hirola – 5 -Grevy's Zebra – 0 -Large Carnivores – Lion 4, Leopard 1, Cheetah 1 -Road & Rail kills – 0 -Elephant carcasses – 0 -Rain gauge readings -Collared elephants – 1 Carnivore scat collect - 0	Tsavo East Nat. Park – mainly southern, central and eastern sections	2,721
Tembo 4 (TWNP) (2 TT staff + 2 KWS)	30	-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 – 10 sighting -Rhino monitoring IPZ -NRS night census – n/a -Large Carnivores – Nil -Road & Rail kills – 5 -Elephant mortality - 0 -Rain gauge readings -Collared elephants – Nil Kamungi Cons. Game census transects – 11 species seen	Tsavo West Nat. Park – mainly IPZ areas	3,075
TOTALS	51	As above	As above	As above	5,796
Total 2019	532	-	-	-	70,348

Photo shows recovered bushmeat poacher equipment on 25th November 2019. Joint Tsavo Trust / KWS Tembo 3 team followed fresh tracks of 2 poachers inside TWNP Triangle and later arrested 1 poacher just outside the Park. Items recovered included: 1 large cable snare; 2 lamping torches with horns; 1 panga; 40kg lesser kudu meat; and various other equipment.



Photo shows Tembo 2 field monitoring team in TENP searching for Tuskers in the flat bushland in this area.



COMMUNITY CONSERVANCY PROGRAM:



KAMUNGI CONSERVANCY - Monthly Activities – August 2019	
PROJECT	ACTIVITY REPORT
<i>Ongoing partnership between Tsavo Trust and Kamungi Conservancy (KC)</i>	Bordering northern boundary of TWNP – Triangle. KC is located in Makueni County; Kibwezi Sub county; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.
<i>Employment (through Tsavo Trust)</i>	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.
<i>Community Mobilization and Sensitization Meetings</i>	<ul style="list-style-type: none"> ➤ Various meetings throughout the month re VSLA's & Darwin support ➤ 5/11/19: Tree seedling planting with community at Ngiluni ➤ 7/11/19: Community Policing Chiefs meeting & Jamhuri Day planning ➤ 25/11/19: Community Policing Chiefs meeting ➤ 27/11/19: Tsavo Trust invited to REDD+ Carbon Project strategic meeting to represent eastern side of CHNP communities
<i>Kamungi Membership</i>	Through a registered CBO KC membership represents 100 families & over 1,000 individuals.
<i>Kamungi Water Project</i>	1,960 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>
<i>Health - Ngiluni Dispensary</i>	<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>
<i>Education</i>	Tsavo Trust has paid for 2 teachers (1 at Ngiluni & 1 at Kamunyu School within KC) for the last 6 years. This is ongoing.
<i>VSLA – Savings Groups</i>	Village savings & loan groups are in the process of being set up – partnership between ZSL / KC & Tsavo Trust for next 4 years. 9 meetings held.
<i>Training</i>	Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for <i>Snake handling and identification</i> . VSLA training to KC communities
<i>HWC – Elephant Bee Fences</i>	7 x 1-acre bee fences, total 105 beehives with 19 currently occupied. With the recent rains, more hives are being colonized.
<i>Human Wildlife Conflict (HWC)</i>	21 cases were recorded around Kamungi Conservancy. HWC cases: 6 elephant cases, 7 Leopard (6 shoats, 2 dogs), 2 Duiker, 4 impala, 1 wild dog (1 sheep), 2 honey badger (2 chickens).
<i>Kamungi Forestry Project</i>	15 different species indigenous trees planted.
<i>Snake anti-venom</i>	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).
<i>Wildlife Census Transects</i>	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 (198 observations). 1 cheetah seen in KC – this is the first confirmed observation for over 20 years!
<i>Operations and Security</i> <i>Tembo 5 Team = T5</i> <i>Kamungi Scouts = KS</i>	<ul style="list-style-type: none"> ➤ Arrests: 1 bushmeat poacher (John Kioko) booked Mtito P/St: OB No. 18/25/11/2019 ➤ Snares / traps / bushmeat: 93 snares ➤ Equip. recvd.: 1 bicycle; 2 lamping horns; 2 spotlights; 1 axe; 1 panga ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: Nil

“SHIRANGO COMMUNITY CONSERVANCY”:

SHIRANGO COMMUNITY CONSERVANCY - Monthly Activities – August 2019	
PROJECT	ACTIVITY REPORT
<i>Ongoing partnership between Tsavo Trust and Shirango Community Conservancy (SCC)</i>	Bordering onto southern boundary of TENP – Voi River area. Total area 270km ² . SCC is located within Kilifi County; Ganze Sub-location; Bamba Ward; Mitangani location; Gede Sub-location.
<i>Employment (through Tsavo Trust)</i>	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.
<i>Community Mobilization and Sensitization Meetings</i>	➤ 18/11/19: CLO meeting with Kilifi County Lands Office to discuss further the land security in SCC.
<i>Shirango Membership</i>	CBO name to remain as <i>Shirango Community Development Project</i> but on the ground known as <i>Shirango Community Conservancy (SCC)</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.
<i>SCC Land tenure</i>	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.
<i>Shirango Water Project</i>	Solar bore hole pump and solar panels have been procured and by year end this will be complete. Recent rains have hindered mobilizing this equipment.
<i>Health – Shirango Dispensary</i>	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.
<i>Education</i>	No activities as yet.
<i>Training</i>	None in August.
<i>Human Wildlife Conflict (HWC)</i>	4 cases recorded in SCC. HWC cases: 3 hyena (3 shoats), 1 leopard (1 shoat)
<i>Operations and Security Tembo 1 team = T1</i>	<ul style="list-style-type: none"> ➤ Arrests: Nil ➤ Snares & traps recvd.: 3 snares ➤ Equip. recvd.: 1 pangas ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 3 ➤ Poachers camps: 1 – Kizingo Ranch



Photo taken on 9th November 2019 at Ngiluni Village where VSLA training took place of several Kamungi Conservancy community members.

This is part of joint efforts by Tsavo Trust and ZSL to bring benefits to communities bordering the north boundary of TWNP between Chyulu Hills and Athi River.

Unusual Photo of the Month:

Photo taken on 27th November 2019 at one of the SGR - vehicle under passes just south of Mtito Andei town. This small underpass is regularly used by varying wildlife to include elephants; buffalo; lion; leopard; hyena; impala and more. It clearly shows that wildlife does find a way to cross major infrastructure developments, as long as well-informed planning for wildlife movements is implemented during construction phases. This underpass is important for wildlife moving between main TWNP and the Tsavo Triangle.



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 (STE) / Elephant Crisis Fund (ECF) / Wildlife Conservation Network (WCN); Global Wildlife Conservation; Stuart Herd; Sir Colin Southgate; Nick Southgate; Alex Graham; Nick Powell; James Robertson; Markus Jebesen; The Kratt Family; Loic Gouzer; Georg Waechter Memorial Foundation; International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); Ndovu Trust (UK); Nick Lapham; Mike Kirkland - Satao Camp & Southern Cross Safaris (Msa); Ker & Downey Safaris; 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; International Fund for Animal Welfare (IFAW); TUI Care Foundation; 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; Oleg Guerrand-Hermes; Saving the Survivors – Johan Marais; 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.

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