

SUMMARY:


WILDLIFE CONSERVATION PROGRAM: Big Tusker Project – Aerial & Ground Activities		
Activity	Hours Flown	Kilometers Covered
<i>Aerial Reconnaissance</i>	103 (768.5 for year) Average 114km p/h of low-level flight	11,543 (87,437km for year) Flights carried out jointly with KWS staff
<i>Rhino specific flights</i>	48.5 (295 for year)	5,661 (34,210km for year)
Field Patrol Days		Kilometers Covered
<i>Ground Activities</i> (Joint KWS / TT)	Protection teams: 93 days (854 to date) Monitoring teams: 57 days (481 to date)	Protection teams: 10,175 km (92,574 to date) Monitoring teams: 9,217 km (64,552 to date)
<i>Big “Tuskers” observed</i>	13 Tuskers - 2 Super Tusker bulls, 9 emerging bulls, 2 cow Tuskers = 40 individual observations	
<i>Ivory recovered</i>	9 elephant tusks (59 for year to date)	
<i>Elephant mortality</i>	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	5 – (c of d: 1 poached, 2 natural, 2 unconfirmed)	Nil (c of d: nil)
<i>Poacher camps/hides</i>	Fresh - Nil	Recent – Nil
<i>Arrests</i>	2 – by KWS / TT – (2 logging - 46 to date 2019) Bushmeat: Nil (377kg for year to date)	
<i>Snares/traps recovered</i>	Nil by Tembo Teams – (530 for year to date)	
<i>Support to KWS-armed incidents</i>	Nil	
<i>Illegal Livestock (only in PA)</i>	21 cattle bomas (10,100 + cows, 4 people)	
<i>Written reports to KWS</i>	72 (daily Situation reports, various communications & 1 monthly report)	
<i>General & significant notes</i>	<ul style="list-style-type: none"> 16th Oct: Located & assisted in rescue of 6-month old elephant calf, TWNP – IPZ following locating its dead mother (having died of natural causes-both tusks recvd.) 	
COMMUNITY CONSERVANCY PROGRAM:		
Kamungi Conservancy North boundary TWNP 	<ul style="list-style-type: none"> Employment (through T/Trust): 28 permanent, 20 temporary Membership: 1,000 people Community Mobilization meetings: 5 Ongoing Projects: Water project, Dispensary support, Kamungi HQ support, tree planting, VSLA planning Human Wildlife Conflict (HWC): 22 reports; HEC fence planning stages Wildlife Counts: 2 sample transect counts Operations / Security: Nothing to report 	
Shirango Conservancy South East boundary TENP	<ul style="list-style-type: none"> Employment (through T/Trust): 8 permanent Membership: 2,100 people Community Mobilization meetings: 3 Ongoing Projects: Water project Human Wildlife Conflict (HWC): 6 reports Wildlife Counts: Nil Operations / Security: Tembo 1 team – 2 night ambushes nil returns 	
FIELD CONSERVATION PARTNERS:		
<i>Kenya Wildlife Service (KWS)</i>	<ul style="list-style-type: none"> Assist in implementation of the TCA Management Plan 2019 – 2029 Partner to KWS & ZSL in the Tsavo’s in line with KWS Rhino Strategy – RII Project Partner in implementation of the KWS Hirola Recovery Plan 	
<i>Zoological Society of London (ZSL)</i>	<ul style="list-style-type: none"> Partner with KWS & ZSL in Rhino Impact Investment (RII) in TWNP – 15 flights Community development projects – Mangaleta & Kamungi locations 	
<i>Save The Elephants (STE)</i>	<ul style="list-style-type: none"> Assist in aerial and ground monitoring of collared elephants – 23 observed Partner with STE – Elephants & Bees project – Kamungi Conservancy 	
<i>African Sand Dam Foundation-ASDF</i>	<ul style="list-style-type: none"> Start up plans to develop sand dams to assist in habitat recovery – partnership with KWS / ASDF & Excellent Development UK 	

Photo taken on 11th October 2019 in TWNP of a young 3-legged elephant calf. This calf was last seen and photographed by Tsavo Trust team in April this year – over 30 kilometers away. It's obvious that missing a leg is no serious hinderance to this calf and he keeps up with the family group just fine.



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 **13** different individual Tusker’s were observed from ground and air coverage.
- 2 bull Super Tuskers – 14 different sightings.
- 9 Emerging bull Tuskers – 23 sightings.
- 2 Iconic cow Tuskers – 3 sightings.
- **Total sightings – 40**
- **Rainfall - TT HQ: 114mm.** Total rainfall to date: **161mm.**
- **Elephant mortality: 5 carcasse located (5 fresh):** C of D – 1 poached, 2 natural, 2 unconfirmed; **Nil recent.**
- **Ivory recovered: 9 tusks** (from joint KWS / TT aerial & ground patrols).
- **Wildlife Rescues:** Found baby orphaned elephant calf, 16th Oct19, and rescued jointly KWS / TT / DSWT.
- **Elephant treatment: Nil**
- **Rhino security:** Regular aerial recces with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL. 15 rhino specific recces resulting in 5,661km flown over 48.5 hrs (13 TW & 2 TE).
- **Arrests: 2** (2 logging).
- **Snares recovered: Nil** (first month since T/Trust started operating in Jan2013 that not a single snare has been recvd)
- **Bushmeat recovered: Nil kg.**
- **Poachers equipment recovered: 1 panga.**
- **Poacher camps/Blinds: Nil** (fresh), Nil (recent).
- **Night ambushes: set on 4 nights.**
- **Response to armed situations: Nil.**
- **Hirola monitoring:** Key stakeholder with KWS in line with Hirola Recovery Strategy.
- **Collared Elephant: 26 observations – 15 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: Nil**
- **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	5	In good health, back to his regular dry season range
WS1	9	Back inside Park, but venturing out overnight for food
BU1	2	Back to original location
BL1	2	Normal location
SO1	1	Normal location
VO1	2	Normal location
KI1	2	Back to normal location
CH1	3	Normal location
MG1	9	Back to original dry season range
KM2	1	Normal location
MM1	1	Normal location
COWS		
F-DI1	1	Moved big distance in search of food
F-AR1	2	Normal location
TOTAL	11 bulls & 2 cows: 40 different individual sightings	
<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 October 2019. 103 hours flown covering 11,543 kilometers over Tsavo in support of KWS: Air & ground activities; Big Tusker monitoring; Locating illegal activities; Wildlife monitoring; Aerial census and tracking.

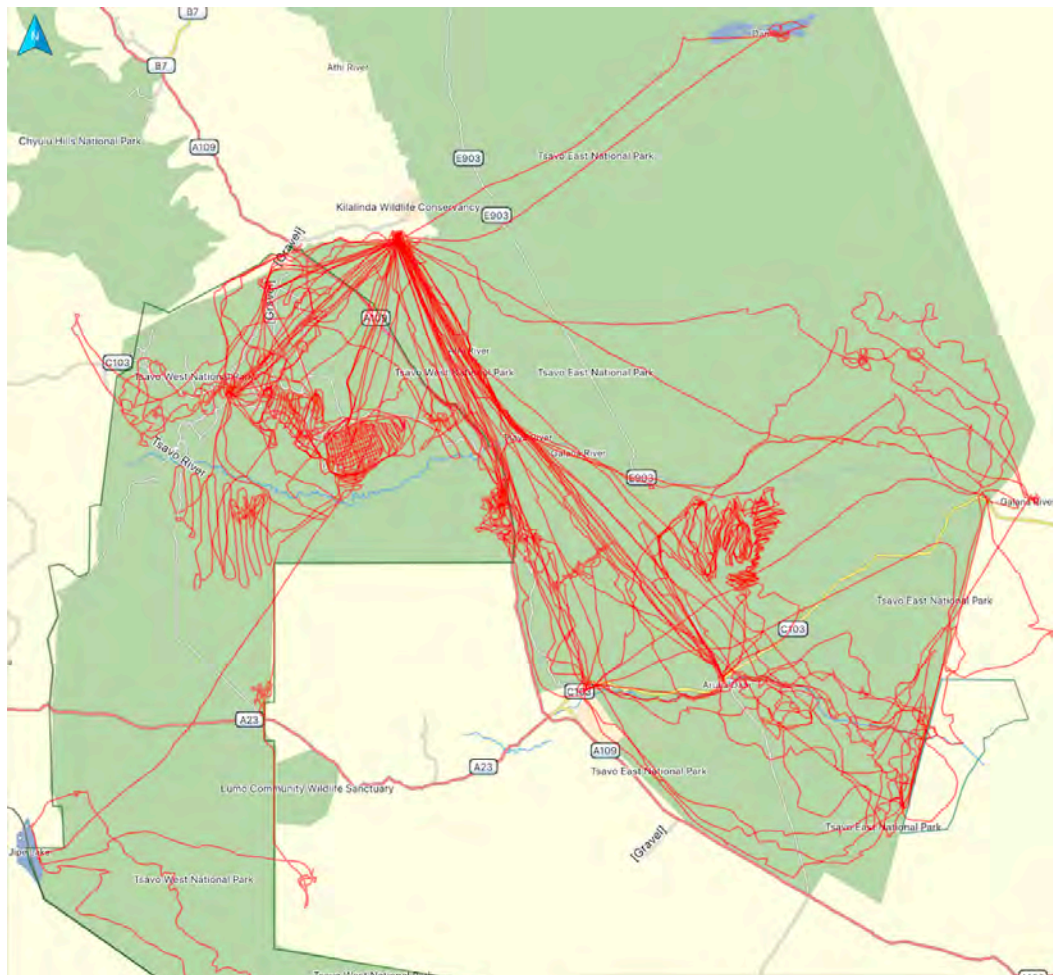


Photo taken in TWNP on 16th October 2019 of a dead cow elephant (natural death) with its young 6-month-old calf beside her. Following this observation, Tsavo Trust pilot, Nick Haller, and KWS initiated a rescue operation and between KWS / TT & DSWT the orphaned calf was rescued for hand rearing.



Photo shows Tsavo Trust Super Cub reg: 5Y JAR during aerial recce over Tsavo. This aircraft was partially sponsored through the generosity of Steve Parkinson and Stuart Herd (TT Board Member) and it replaced 5Y NRF that had a mishap earlier in the year.

Tsavo Trust compliments KWS activities (protection and monitoring) over the vast Tsavo Parks by adding 75 hours of reconnaissance flight every month which equates to covering approx. 8,500 kilometers. The aerial platform this provides is probably THE most important conservation tool considering Tsavo is huge, much of it inaccessible and largely roadless.



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)	31	Nil	Nil	Nil	Nil	Nil	Nil	Nil	3,345
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	Nil	2	Nil	Nil	Nil	Nil	Nil	3,415
Tembo 5 / Kamungi (TWNP) 14 TT Scouts + 3 KWS Rangers	31	2 2 hard wood collection	2	Nil	Nil	1 panga	Nil	Nil	3,415
TOTALS	93	2	4	Nil	Nil	As above	Nil	Nil	10,175
Total 2019	854	46	28	530	377kg	-	19	9	92,574

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)	26	-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 – 8 sighting -Hirola – 23 -Grevy's Zebra – 0 -Large Carnivores – Lion 9, Leopard 1, Cheetah -Road & Rail kills – 0 -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, Kupule Nek, Manyani, Irima, Mudanda, Ndi	4,217
Tembo 4 (TWNP) (2 TT staff + 2 KWS)	31	-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 – 15 sighting -Rhino monitoring IPZ -NRS night census – 95 -Large Carnivores – Leopard 1, lion 1, wild dog 3, spotted hyena 2, Cheetah 1 -Road & Rail kills – 6 -Elephant mortality - 0 -Rain gauge readings -Collared elephants – 1 Kamungi Cons. Game census transects – 13 species seen	TWNP, Kamboyo, Mangaleta, 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.	5,000
TOTALS	57	As above	As above	As above	9,217
Total 2019	481	-	-	-	64,552

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"> ➤ 9/10/19: Kibwezi County best practice agriculture training ➤ 21/10/19: Community Policing Chiefs meeting ➤ 22/10/19: KC Chairman & CLO presented docs to KCB Bank in Mtito for Account opening ➤ 23/10/19: Nthunguni Agricultural Show, CLO attended on behalf of KC ➤ 24/10/19: CLO to Kibwezi S/County Gender & Social Dev. To get letter of approval for CBO to open bank account
<i>Kamungi Membership</i>	Through a registered CBO KC membership represents 100 families & over 1,000 individuals.
<i>Kamungi Water Project</i>	13,750 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.
<i>Training</i>	Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for <i>Snake handling and identification.</i>
<i>HWC – Elephant Bee Fences</i>	7 x 1-acre bee fences, total 105 beehives with 15 currently occupied. Due to the poor rains in this area, the bees have not made the honey we had anticipated. It is hoped this will improve with good recent rains.
<i>Human Wildlife Conflict (HWC)</i>	22 cases were recorded around Kamungi Conservancy. HWC cases: 4 elephant cases, 14 Leopard (19 shoats, 2 dogs, 1 calf killed), 1 mongoose, 1 Jackal, snake 1, crocodile 1.
<i>Kamungi Forestry Project</i>	24/9/19: over 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. 13 different species were identified this month (205 observations).
<i>Operations and Security Tembo 5 Team = T5 Kamungi Scouts = KS</i>	<ul style="list-style-type: none"> ➤ Arrests: Nil ➤ Snares / traps / bushmeat: Nil ➤ Equip. recvd.: Nil ➤ 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>	<ul style="list-style-type: none"> ➤ 11/10/19: CLO meeting with Ndarako Village re water project progress & CBO for SCC & the ongoing land tenure issue. ➤ 13/10/19: CLO meeting re Community Policing, upcoming Social Eco Survey etc ➤ 27/10/19: CLO met with MCA Bamba Ward re land tenure issues & water project
<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 are being procured and then installed to finalise this much needed project. 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>	6 cases recorded in SCC. HWC cases: 4 hyena, 2 leopard
<i>Operations and Security Tembo 1 team = T1</i>	<ul style="list-style-type: none"> ➤ Arrests: Nil ➤ Snares & traps recvd.: Nil ➤ Equip. recvd.: 1 pangas ➤ Elephant carcass / Ivory: 12/10/19 – T1 located 1 fresh elephant carcass, poached, 2 ivory recvd., TENP, Voi River ➤ Night ambushes: 2



Photo shows 2 destroyed plastic water tanks in Ngiluni area of Kamungi Conservancy.

Elephants have created havoc in this region during the extensive dry season.

Tsavo Trust is looking for ways and seeking funding support to address this ever present and increasing Human Elephant Conflict (HEC) issue.

Unusual Photo of the Month:

Photo taken in TENP of a critically endangered Hirola (Beatragus hunteri) and her young calf, courtesy of Robin Moore from Global Wildlife Conservation (GWC) on 5th October 2019. There are thought to be less than 450 Hirola left on the planet today, 70 of which reside in TENP (the second and only other viable population remaining). In line with the National Hirola Recovery Strategy, KWS is taking the lead role in establishing further Hirola conservation measures in TENP and Tsavo Trust and GWC is a partner to this.



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