

Tsavo Trust film clip: <https://www.youtube.com/watch?v=qGgM6-ggZOE&t=270s>

WILDLIFE CONSERVATION PROGRAM: Big Tusker Project – Aerial & Ground Activities		
Activity	Hours Flown	Kilometers Covered
 Aerial Reconnaissance	83.5 (693.5 for year) Average 115km p/h of low-level flight	9,519 (75,680km for year) Flights carried out jointly with KWS staff
 Rhino specific flights	23 (184.5 for year)	2,627 (23,575km for year)
Field Patrol Days		Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 155 days (1,426 to date) Monitoring teams: 31 days (534 to date)	Vehicle patrols: 12,406km (101,660km to date) Foot patrols: 863km (7,691km to date) Monitoring teams: 4,641km (70,284km to date)
 Big “Tuskers” observed	11 Tuskers - 3 Super Tusker bulls, 8 emerging bulls, Nil cow Tusker = 22 individual observations	
Ivory recovered	11 elephant tusks (38 for year)	
Elephant mortality	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	6 – (c of d: 6 natural-drought)	2 - (c of d: 2 poached)
Poacher camps/hides	Fresh - 3	Recent – Nil
Arrests	9 – by KWS / TT – 9 bushmeat poachers (66 for year to date); Bushmeat recvd (wet & dried): 24kg (660kg for year to date)	
Snares/traps recovered	85 by Tembo Teams: 1,171 snares to date 2021 (827 small; 250 medium, 94 large)	
Human Elephant Conflict	Joint TT-KWS team: 10 elephants driven from farmlands east of Mtito Andei (1,640 elephants pushed out of farms in 2021 to date – ave. 5.5 per night)	
Illegal Livestock (only in PA)	2 live cattle bomas (11,530 cows; 3,000 shoats; 20 camels; 6 men)	
Written reports to KWS	89 (daily Situation reports, various communications & 1 monthly report)	
Significant notes	<ul style="list-style-type: none"> • HEC 32km Fencing Project: Mtito to Athi fence nearly completed • 15/10/21: Drought relief food: TT to Shirango Communities 7,200kg maize; 1,800kg beans (\$4,000) • 16/10/21: Joint TT/KWS roadkill surveys: 1 leopard killed Mombasa Highway, Kanga • 29/10/21: TT Board Governance Training workshop 	
COMMUNITY CONSERVANCY PROGRAM:		
Kamungi Conservancy North boundary TWNP 	<ul style="list-style-type: none"> • Employment (through T/Trust): 36 permanent, 15 temporaries • Membership: 1,400 people • Community Mobilization meetings: 10 • Ongoing Projects: Water project; 10% fence plan; VSLA’s; HEC-Mtito fence; Dispensary support; Permaculture Project; trainings • Human Wildlife Conflict (HWC): 67 reports; crop raiding elephants, leopard & lion issues • Security Ops (KWS, T3 & KS): 	
Shirango Conservancy Southeast boundary TENP 	<ul style="list-style-type: none"> • Employment (through T/Trust): 12 permanents • Membership: 2,300 people • Community Mobilization meetings: 6 • Ongoing Projects: Water project; anti-poaching; land tenure • Human Wildlife Conflict (HWC): 10 reports elephant & livestock predations • Security Ops (KWS T1, T7 & SS): 	
FORMAL FIELD CONSERVATION PARTNERS: (Full list of supporters/partners shown on last page)		
  	 	    

WILDLIFE CONSERVATION PROGRAM:



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

Table 1: Summary of Big Tusker Project (BTP)

Activity / Detail	Number & Brief Remarks
<i>BTP individual Tusker sightings</i>	Total = 22 sightings
<i>Super Tusker Bulls</i>	3 individuals (6 sightings)
<i>Emerging Tuskers (bulls)</i>	8 individuals (16 sightings)
<i>Iconic Cow Tuskers</i>	Nil individual (- sighting)
<i>Elephant Mortality</i>	8: - 6 fresh (c of d: 6 natural – drought; 2 recent - poached)
<i>Ivory Recovered</i>	11 tusks
<i>Elephant Treatment/Translocation</i>	Nil
<i>Wildlife Rescues (mainly venomous reptiles)</i>	8: 1 Black mamba; 2 Puff-adder; 1 Ashes spitting cobra; 1 African rock python; 1 Speckled sand snake; 1 Boomslang; 1 Rufous beaked snake
<i>Rhino Aerial Patrol Support (KWS / ZSL / TT partnership)</i>	10 rhino specific recces: 2,627km flown = 23hrs (8 TW & 2 TE)
<i>HWC cases attended to</i>	3 (10 elephants driven from community farmland east of Mtito Andei)
<i>Arrests</i>	9 (9 bushmeat poachers)
<i>Wire Snares Recovered</i>	85 (75 small, 7 medium, 3 large)
<i>Bush Meat Recovered (Kg)</i>	24kg (3 dried Dik-dik, 3 dried lesser kudu, 1 dried honey badger)
<i>Poachers Equip. Recovered</i>	4 pangas; 2 bicycles; 3 knives, 1 catapult, 2 poisoned arrows; 2 bows
<i>Poachers' camps/Blinds</i>	3 active
<i>Night Ambushes set</i>	15 (6 Kulalu/Giriama/Shirango/Dakota/Voi River; 1 Triangle; 5 Kangechwa; 3 Tsavo River)
<i>Response to Armed Situations</i>	Nil
<i>Foot patrols (km) Tembo Teams</i>	863km foot patrols – 6 teams
<i>Collared Elephant Observations</i>	15 sighting record forms submitted to STE (joint KWS/TT teams)
<i>High Value Wildlife Monitoring</i>	Ongoing partner to KWS TCA Research (Hirola, Grevy's zebra, carnivores)
<i>Firefighting cases</i>	1 (Triangle)
<i>Illegal Cattle Drive KWS Support</i>	1 TENP, Dakota/Voi River
<i>Charcoal & Logging</i>	Nil
<i>Training</i>	2 TT Officers Masters training; aircraft training; HWC community training; Maliasili – African Conservation Leadership Course
<i>TT HQ Rainfall</i>	Nil mm. Total rainfall to date: 265mm



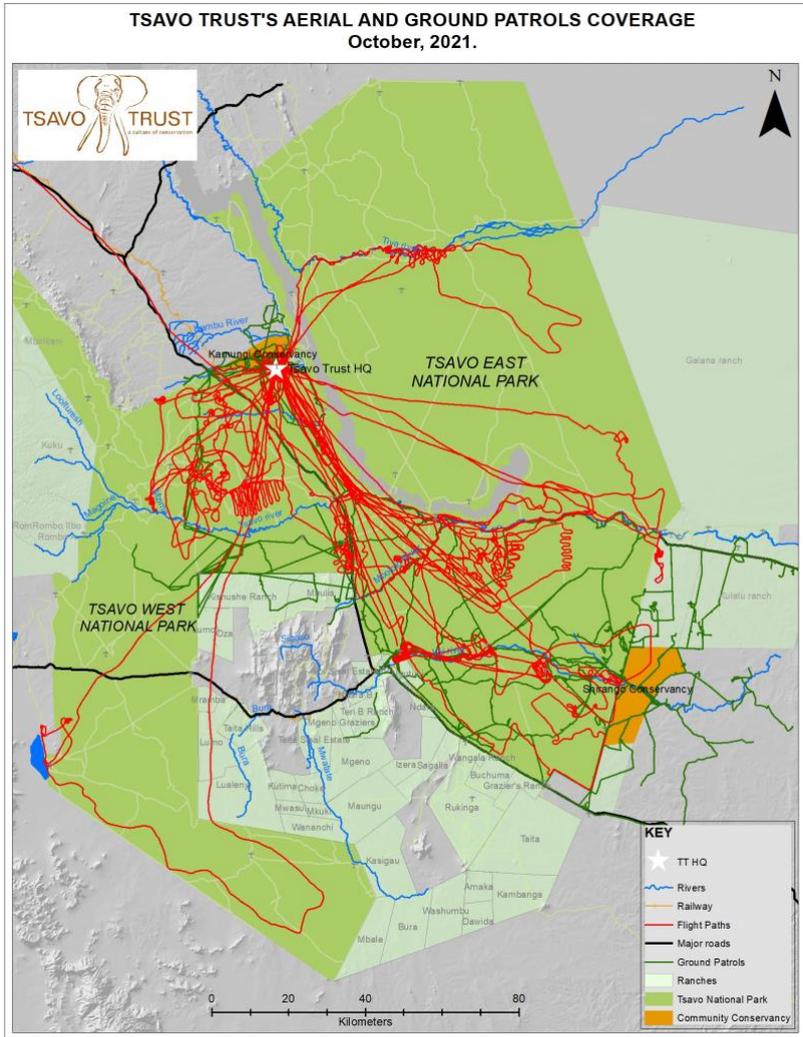
4th October 2021: Photo shows TWNP – IPZ rhino “Maria” with a newborn calf.

Tsavo Trust play a key support role to KWS, who take the lead role, in monitoring rhino both from aerial and ground joint activities on a regular basis.



Aerial Reconnaissance and Ground Patrols - Areas Covered:

- Aerial patrolling is a vital conservation tool providing “*eyes in the skies*” and directional guidance to ground units who provide “*eyes and ears*” on the ground. The combination of both is effective.
- All flight paths and ground patrols are carried out jointly - KWS/TT and recorded with all relevant real-time observations relayed to KWS daily for rapid actions and for their records.



*Map shows Tsavo Trust's flight paths in **RED** and ground patrol paths in **GREEN** over the TCA this month.*

***Aerial:** 83.5 hours flown covering 9,519 kilometers over Tsavo in support of KWS.*

***Ground:** 863 kilometers of foot patrol and a further 17,047 kilometers of vehicle patrol in Tsavo to support KWS.*

Activities cover: Air & ground security patrols; Big Tusker monitoring; Rhino related activities; Locating illegal activities; Wildlife monitoring; Aerial census and telemetry tracking as well as Community Conservancy aerial and ground activities.



October 2021: Photo shows a healthy TENP lioness with 6 half grown cubs. Lions seem to fair well during drought conditions as other prey species, that include young elephants, are weakened due to deteriorating food availability.

Field Mobile Units:

Tembo 1, 3, 5, 7 teams, Kamungi & Shirango Scouts are habitat protection / de-snaring focused.

Tembo 2 (TENP) & 4 (TWNP) teams are wildlife monitoring dedicated.

All teams work alongside KWS daily and provide further "eyes and ears in the field".

Habitat Protection / De-snaring teams:

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

De-snaring teams	No. Field days	No. Arrest	No. Ivory recvd.	No. Snare recvd.	Bushmeat at recvd. Kg	Poacher equip. recvd.	No. Poacher camps	No. HWC Cases	Vehicle mileage km	Foot Patrol km
Tembo 1 (TENP) & Shirango Scouts (6 TT Scouts + 3 KWS Rangers)	31	5 Bushmeat poachers	9	6 6 small	20kg 3 dried lesser kudu	-	1 Active	-	3,667	199
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	-	-	43 42 small 1 medium	-	-	-	3 HEC 10 elephants driven from farms at night by TT/KWS team	2,825	173
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	31	-	2	-	-	-	-	-	3,245	155
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	31	4 Bushmeat poachers	-	31 22 small 6 medium 3 large	4kg Dried: 3 Dik-dik 1 l/kudu 1 honey badger	2 bicycle 4 pangas 1 bicycle 3 knife 1 catapult 2 p/arrows 2 bows	2 Active	-	2,669	160
Kamungi Scouts 4 Scouts	31	-	-	5 5 small	-	-	-	-	-	176
TOTALS	155	9	11	85	24kg	As above	3	3	12,406	863
Total 2021	1,426	66	37	1,171	660kg	-	24	499	101,660	7,691

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) (2 TT staff + 2 KWS) 	31	-Tusker monitoring -Hirola monitoring -Grevy's zebra monitoring -Carnivore monitoring -Carnivore scat analysis: hair content -Highway & SGR roadkill surveys -Camera trap surveys -Fixed point photos -Collared elephant reporting	-Tuskers – 14 sighting -Hirola – 5 -Grevy's Zebra – nil -Large Carnivores – 33 Ground Hornbill - 2 -Road & Rail kills – 1 -Elephant carcasses – Nil -Ivory recvd. – Nil -Rain gauge readings -Collared elephants – 7 Carnivore scat collect – 0	Tsavo East Nat. Park – mainly southern, central and eastern sections including Shirango Conservancy	4,641
Tembo 4 (TWNP) (2 TT staff + 4 KWS) 	0	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 21 -Tuskers - 0 -Large Carnivores – nil -Collared elephants – nil -Elephant carcasses – nil -NRS Rhino night census – n/a	Tsavo West Nat. Park – IPZ and Triangle	Vehicle in for major repairs
TOTALS	31	As above	As above	As above	4,641
Total 2020	534	-	-	-	70,284



COMMUNITY CONSERVANCY PROGRAM:



ACTIVITY	KAMUNGI Conservancy	SHIRANGO Community Conservancy
Ongoing partnership between Tsavo Trust & KC & SCC	North boundary of TWNP – Triangle. Total area 101km ² Makeni County; Kibwezi Sub county; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.	South boundary of TENP – Voi River area. Total area 270km ² . Kilifi County; Ganze Sub-location; Bamba Ward; Mitangani location; Gede Sub-location.
Employment (through Tsavo Trust)	Between Tsavo Trust & partners 36 permanent staff & 15 casual staff employed generating over \$10,000 (Ksh.1,000,000) of income into Kamungi monthly.	Tsavo Trust employs 12 staff from SCC including a Community Liaison Officer (CLO) to spear head activities. Salaries generate over \$2,200 (Ksh.220,000) of income monthly.
Community Mobilization and Sensitization Meetings	10 community meetings held <ul style="list-style-type: none"> ➤ Mtito Fence meeting: GMC, TT/Kamungi, KWS - HWC ➤ SAPA Process trainings & baraza's ➤ Makeni Dev. Trust ➤ Board Meeting ➤ VSLA's ➤ 10% Fence Planning meeting 	6 community meetings held <ul style="list-style-type: none"> ➤ Food relief ➤ MCA & ACC's Bamba Office – various security issues ➤ General Community – drought etc ➤ Ndaraku youth meeting
Membership	Through a registered CBO KC membership represents 140 families & over 1,400 individuals from 2 villages, mainly from the WaKamba community.	Through a registered CBO SCC membership represents at least 2,300 individuals from 5 villages, mainly from the Watha and Giriama ethnic groups.
Water Project	129,030 litres of water issued. (758,051 litres for year to date) Piped water to Ngiluni school now	Bore hole, pump and solar panels are in place, but saline water. Plans for construction of an earth dam underway if funded.
Basic Health care	284 patients attended (2, 662 for year to date).	There is need to support this project.
Constructions	Honey processing room under construction Scouts HQ & Office/store completed	Scouts HQ completed
Basic Education	Paid for 2 teachers (1-Ngiluni & 1-Kamunyu School in KC) for the last 9 years. Ongoing.	No activities yet.
Village Saving & Loan Associations – VSLA's	5 women run VSLA's are in progress: partnership between ZSL / KC & TT	None at present.
Poultry Project	3 poultry projects: partnership between ZSL / KC & TT	
Training	VSLA, HWC mitigation, SAPA	Scouts trained on GPS use & data collection
HWC Mitigation Elephant Bee Fence	7 x 1-acre bee fences, total 105 beehives with 12 currently occupied.	N/A yet
10% Fence Plan	10% fence plan completed Phase 2 completed: Total 12 plots (HWC electric fencing of 10% of individual land).	N/A yet
Mtito 30km fence line	7 predator proof bomas set up: by TT/ZSL	N/A yet
	13/9/21: Construction started - ongoing	N/A yet
Human Wildlife Conflict (HWC)	67 cases recorded: 57 elephant; 4 lion; 2 leopard; 2 poisonous snake; 1 crocodile; mongoose	10 cases recorded: 4 lion; 4 hyena, 2 Cheetah
Land Tenure	Ongoing	SCC land currently traditional communal mode of ownership, not legally protected. Efforts underway to ensure the local communities legally own their land. Ongoing.
Wildlife Census Transects	Nil	None
Operations and Security	➤ See Field Units table above	➤ See Field Units table above



Above: 15th October 2021 - shows community members from Shirango area gathering for drought related food relief from Tsavo Trust/Shirango Conservancy amounting to US\$4,000 at Ndaraku Village. Over 500 community members were present. Although this was a small gesture of good will, this support goes along way to help during these very tough times.



Left: Local Administration from Asst. County Commissioners Office & Chief's Office were present as well as elders, women, and youth.

Unusual Photo of the Month:



October 2021 shows an aerial photo of a pod of hippos amongst a healthy population of large crocodiles basking on the rock in the Athi River, TWNP Triangle.

With sincere thanks and appreciation:

Organizations: Kenya Wildlife Service; USAID/DOI; US Fish & Wildlife Service; The Oak Foundation; Leopardess Foundation; JM Foundation Africa; Cheyenne Mountain Zoo; Save The Elephants (STE); Global Wildlife Conservation (GWC); Tusk Trust; Rhino Recovery Fund (WCN); International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); Zoological Society of London (ZSL); Georg Waechter Memorial Foundation; Maliasili; EU-Biopama Programme; The Glassybaby Foundation; Ndovu Trust (UK); Satao Camp & Southern Cross Safaris (Msa); Origins Safaris; Ker & Downey Safaris; Tropical Ice Ltd; OnSafari-Kenya; Askari Project–Australia; Tofauti Foundation; Maasai Wilderness Conservation Trust (MWCT); Chesbro Foundation; Milkywire; Elephant Cooperation; Off Piste Africa; Empowers Africa; Enos Enterprises–Tembo Wine; 51 degrees-Vulcan; Conservation Alpha; JW Seagon Insurance; World Book; Lewa Canada; Prints for Conservation; twio, Remembering Wildlife Books and many more.

Individuals: Stuart Herd; Nick Southgate; Nicole Honegger; Alex Graham; Nick Powell; James Robertson; The Kratt Family; Loic Gouzer; Griet Van Malderen; Nick Lapham; The Davies Family; Mike Kirkland; Paul Block; Anita Mishra & Paolo Mapelli; James Lewin; the late John Fletcher; Paul & James Wilson; James Chiappa; David Calderone; Will Burrard-Lucas; Drew Doggett photography; Goh & Courtney Iromoto; the Kiddingtons; Marie de Brouwer; Renzo Bernardi; Kim Makenzi; Howard Saunders; Sandor Carter; Sean Dundas; Karen Laurence-Rowe; John Carr; Anthony Cheffings; Andreas Fox; Paolo Parazzi; Sam Stogdale; Prints for Conservation; Johan Marais; Chris Acreman; Alex Hunter and numerous other enthusiasts.

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

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