

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	67 (198 for year) Average 114km p/h of low-level flight	7,490 (22,080km for year) Flights carried out jointly with KWS staff
 Rhino specific flights	11 (38.5 for year)	3,765 (6,981km for year)
	Field Patrol Days	Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 132 days (356 to date) Monitoring teams: 55 days (168 to date)	Vehicle patrols: 8,429km (22,829km to date) Foot patrols: 509km (1,627km to date) Monitoring teams: 7,292km (22,049km to date)
 Big “Tuskers” observed	19 Tuskers - 6 Super Tusker bulls, 10 emerging bulls, 3 cow Tuskers = 63 individual observations	
Ivory recovered	2 elephant tusks + 6 broken off sections of tusk (5 for year)	
Elephant mortality	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	1 – (c of d: poached)	2 (c of d: 2 natural)
Poacher camps/hides	Fresh - 1	Recent – Nil
Arrests	5 – by KWS / TT – 2 ivory dealers; 3 bushmeat poachers; (12 for year to date); Bushmeat recvd: 10kg (55kg for year to date)	
Snares/traps recovered	93 by Tembo Teams: 194 snares to date 2021 (163 small; 16 medium, 15 large)	
Human Wildlife Conflict	Joint TT-KWS team:193 elephants driven from farmlands east of Mtito Andei (722 pushed out of farms in 2021 to date)	
Illegal Livestock (only in PA)	11 live cattle bomas (5,680 cows+) assisted with illegal livestock drive	
Written reports to KWS	71 (daily Situation reports, various communications & 1 monthly report)	
Significant notes	• Serious HEC continues east of Mtito / Kamungi. Joint TT – KWS PAMU mobile teams • Ongoing plans for HEC mitigation fence: Mtito East • 3rd to 13th: Tembo 1 team assisted KWS with illegal cattle drive – TENP SW boundary • 24/3/21: Deployment of joint KWS/TT Tembo 7 de-snaring team to Kulalu/TENP areas • 20/3/21: 2nd treated Super Tusker IL1 for leg wounds • Started TT Strategic Planning process with new partner Maliasili • Highest no. of Tusker observations since TT started in Jan2013	
COMMUNITY CONSERVANCY PROGRAM:		
Kamungi Conservancy North boundary TWNP 	• <u>Employment</u> (through T/Trust): 36 permanent, 15 temporaries • <u>Membership</u>: 1,400 people • Community Mobilization meetings: 10 • Ongoing Projects: Water project; 10% fence plan; VSLA's; HEC-fence; Dispensary support; Permaculture Project; trainings • Human Wildlife Conflict (HWC): 36 reports, mainly crop raiding elephants, leopard issues • Security Ops: 5 snares recvd.	
Shirango Conservancy South East boundary TENP 	• <u>Employment</u> (through T/Trust): 12 permanents • <u>Membership</u>: 2,300 people • Community Mobilization meetings: 2 • Ongoing Projects: Water project; anti-poaching; land tenure • Human Wildlife Conflict (HWC): 18 reports all livestock predations • Security Ops: T1 team: 1 arrests (bushmeat); 31 snares recvd; 2kg dried bushmeat	
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
BTP individual Tusker sightings	Total = 63 sightings (highest monthly sightings since started in Jan2013)
Super Tusker Bulls	6 individuals (41 sightings: Tusker IL1 seen every day in March21 – MWCT/TT monitoring his leg injury)
Emerging Tuskers (bulls)	10 individuals (19 sightings)
Iconic Cow Tuskers	3 individuals (3 sighting)
Elephant Mortality	3: 1 fresh; 2 old (c of d: 1 poached, 2 natural)
Ivory Recovered	2 tusks
Elephant Treatment/Translocation	1: to S/Tusker IL1 for serious foot injury
Wildlife Rescues	Nil
Rhino Aerial Patrol Support (KWS / ZSL / TT partnership)	11 rhino specific reces: 3,765km flown = 32hrs (9 TW & 2 TE)
HWC cases attended to	62 (193 elephants driven from community farmland east of Mtito Andei)
Arrests	5 (2 ivory dealers; 3 bushmeat poachers)
Wire Snares Recovered	93 (87 small, 6 medium)
Bush Meat Recovered (Kg)	10kg (4 Dikdiks, dried lesser kudu meat)
Poachers Equip. Recovered	1 motorbike KMDF 009Z; 1 knife; cooking equip
Poachers' camps/Blinds	1 (1 active)
Night Ambushes set	4 (1 Sagala, 1 Kibwezi, 2 Lukenya – Athi River)
Response to Armed Situations	Nil
Foot patrols (km) Tembo Teams	509km foot patrols – 5 teams
Collared Elephant Observations	10 forms submitted to STE (joint KWS/TT teams)
High Value Wildlife Monitoring	Ongoing partner to KWS TCA Research (Hirola, Grevy's zebra, carnivores)
Firefighting cases	Nil
Illegal Cattle Drive KWS Support	10 days: TENP southwest boundary (400 cows impounded)
Charcoal & Logging	1 (5 freshly cut hard wood logs located – TWNP north boundary)
Training	2 TT Officers Masters training; 1 KWS Officer Masters training; HWC community training;
TT HQ Rainfall	75mm. Total rainfall to date: 86mm



20th March 2021: photo shows Tusker called Il Talal being treated a 2nd time for a serious foot wound.

This operation was conducted jointly by Tsavo Trust, Maasai Wilderness Conservation Trust and the Kenya Wildlife Service Tsavo Vet Unit (that is supported by DSWT).

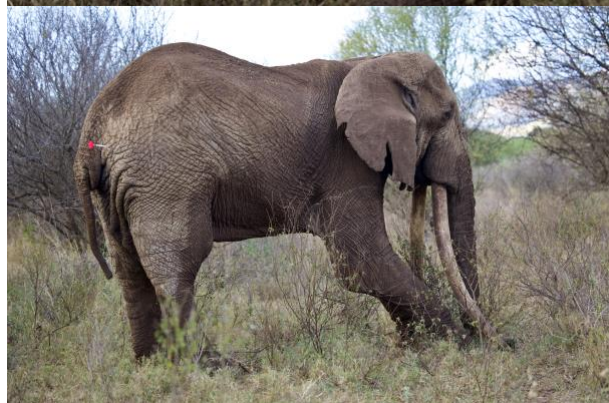


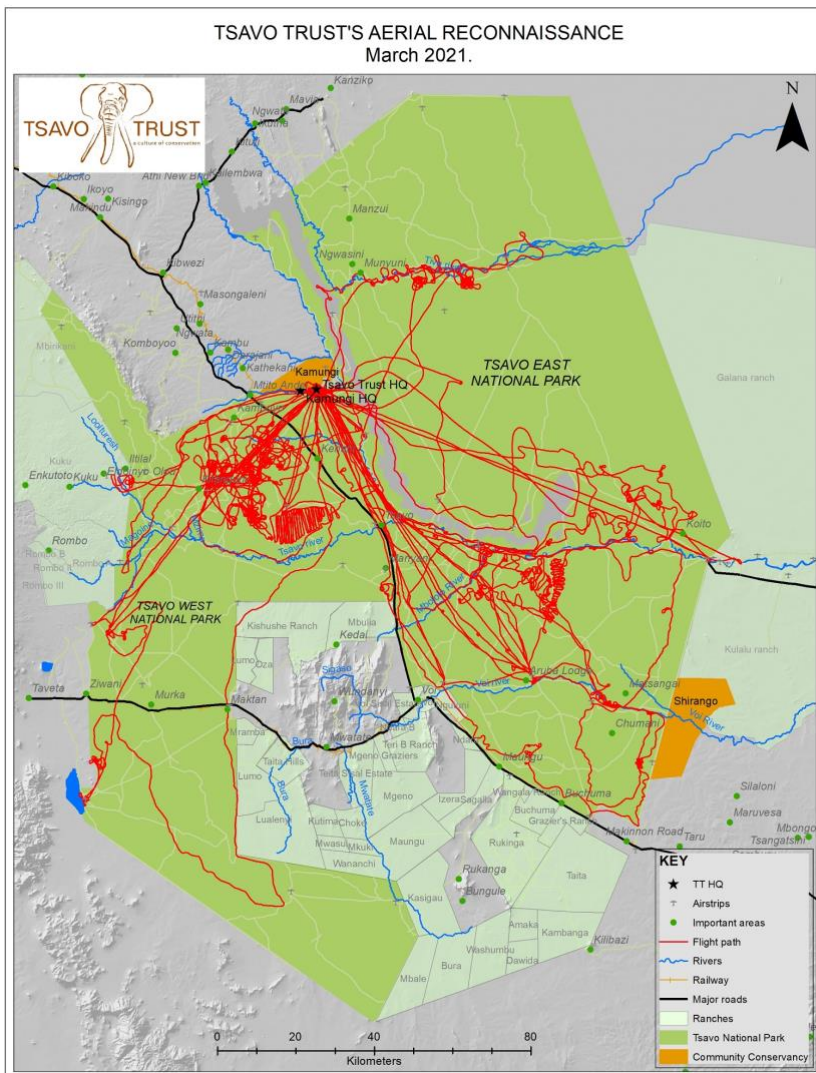
Photo shows Il Talal just after darting prior to going down for treatment.

It is clear he is very old and frail.



Aerial Reconnaissance – Areas Covered:

- This vital conservation tool provides “*eyes in the skies*” 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 necessary rapid actions and their records.



9th March 2021: A very healthy-looking black rhino cow and calf – TENP. In support to the KWS Tsavo rhino program, Tsavo Trust assists with aerial patrols on a regular basis, in March 2021; 32 hours were flown covering 3,765 kilometers over rhino areas.

Field Teams Activities:

- **Elephant Carcasses Observed: Table 2: Shows fresh and recent elephant carcasses observed:**

Date	No.	Fresh Carcass	Recent Carcass	Cause of Death	Location
6/3/2021	1	-	1	Unknown; 1 tusk recvd.	TWNP, Tsavo River
8/3/2021	1	-	1	Unknown; juvenile, no ivory found	TWNP, Tsavo River
25/3/2021	1	1	-	Poached; ivory missing, carcass covered in bush	TWNP, Loisoito
Month Total	3	1	2		
Total 2021	5	2	3		

- **Poachers Activities Observed: Table 3: Shows fresh and recent poachers blinds/hides/platforms observed:**

Date	No	Fresh Hide, Blind, platform	Recent Hide, Blind, P/Camp	Fresh Poacher camp	Location
23/3/2021	1	-	-	1	Kulalu Ranch
Month Total	1	-	-	1	-
Total 2021	9	-	-	9	-
Not included	Charcoalers camps close to TENP boundary – Kulalu Ranch, and cattle bomas outside the Parks				

- **Illegal livestock grazing: Table 4: Shows aerial observations - active livestock bomas & estimated number livestock inside the Parks only:**

TCA Park	No. Flights	Active Bomas	Livestock numbers est.
TENP	1	-	500 cows
TWNP	2	11	5,180 cows
TOTALS	3	11	5,680 cows

Table 5: Shows some examples of joint KWS/TT activities and outcomes from aerial patrols:

Date	Incident	Location
Routine & Monthly	Regular aerial patrols carried out to compliment KWS Park field operations & management	TENP, TWNP and dispersal areas
9/3/21	Rhino recce: 5 rhinos; 3 honey badgers; 3 lionesses; 4 southern ground hornbills observed	TENP - IPZ
16/3/21	Rhino recce: 15 rhinos; 2 wild dogs observed	TWNP - NRS
25/3/21	Illegal livestock flight: 1 freshly poached elephant carcass (ivory missing & covered in cut bush); 4,380 cows inside Park; 1 collared elephant; 3 southern ground hornbills	TWNP- Southern sector & Loisoito

Financial Support to KWS Activities Inside TWNP & TENP:

Table 6: Shows brief costs of activities carried out by Tsavo Trust to compliment KWS in Tsavo:

TT Activity	Cost (\$) Justification	Total \$
Aerial support – ongoing TENP & TWNP	67hrs in Super Cub aircraft @ \$250 all incl.	16,750
Vehicle running costs - Field Mobile Teams (Tembo 1, 2, 3, 4 & 5) – ongoing TENP & TWNP	6 vehicles covered 15,721km @ \$1 p/km incl. fuel, tires, maintenance, servicing & f/c insurance	15,721
TT Field Staff x 30 (Tembo teams)	Not Included	-
TENP - Dakota Platoon Vehicle Diesel - ongoing	100ltrs p/month	100
TENP - DSTV Dakota Base - ongoing	Monthly subscription	40
TWNP – HQ Support	Office furniture – CC Office	330
TOTAL MONTH		\$32,941
TOTAL 2021 to DATE:		\$96,983

Field Mobile Units:

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

Tembo 2 & 4 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, Kamungi & Shirango Scout teams:

De-snaring teams	No. Field days	No. Arrest	No. Ivory recvd.	No. Snare recvd.	Bushme 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	1 Bushmeat poacher	6 small pieces of ivory, broken off bits	31 31 small	2kg Dried lesser kudu meat	-	-	-	3,090	65
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	1 Bushmeat poacher	-	-	1kg 1 Dikdik	-	-	62 HEC Total 193 elephants driven from farms at night by TT/KWS team	2,118	Nil
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	31	2 Ivory dealers	2 1 from ivory dealers & 1 from recovery	42 40 small 2 medium	-	1 motorbike KMDF 009Z	-	-	2,308	190
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	8	1 Bushmeat poacher	-	14 11 small 3 medium	7kg 3 Dikdiks	1 knife Cooking equip	1 Active	-	913	37
Kamungi Scouts 4 Scouts	31	-	-	6 5 small + 1 bird trap	-	-	-	-	N/A Bicycle patrol	217
TOTALS	132	5	2 + pieces	93	10kg	As above	1	62	8,429	509
Total 2021	356	12	3	194	55kg	-	9	214	22,829	1,627

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) 	24	-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 – 15 sighting -Hirola – 2 -Grevy's Zebra – 1 -Large Carnivores – 14 -Road & Rail kills – 1 -Elephant carcasses – Nil -Ivory recvd. – Nil -Rain gauge readings -Collared elephants – 9 Carnivore scat collect – 0	Tsavo East Nat. Park – mainly southern, central and eastern sections including Shirango Conservancy	2,907
Tembo 4 (TWNP) (2 TT staff + 2 KWS) 	31	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 11 -Tuskers - Nil -Large Carnivores – 5 -Collared elephants – Nil -Elephant carcasses – Nil -NRS Rhino night census – n/a	Tsavo West Nat. Park – IPZ	4,385
TOTALS	55	As above	As above	As above	7,292
Total 2020	168	-	-	-	22,049



As part of Tsavo Trust's efforts to uplift the food security situation within Kamungi Conservancy and surrounding areas, a pilot permaculture project has been implemented between 2nd and 27th March 2021. This included training sessions and set up materials that was carried out by Nurisha Gaia and funded through our partnership with USAid/DOI.



ACTIVITY	KAMUNGI Conservancy	SHIRANGO Community Conservancy
Ongoing partnership between Tsavo Trust & KC & SCC	North boundary of TWNP – Triangle. Total area 101km ² Makueni 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 ➤ HEC meetings took place ➤ Permaculture training	➤ 2 community meetings held
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	47,940 litres of water issued.	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	382 patients attended (936 for year to date).	This is currently dis-functional. Nearest health centre is 10km away. 50% of residents rely on traditional herbal medicines.
Constructions	Scouts HQ & Office/store completed	Scouts HQ completed
Feeding Program due to COVID-19	Dis-continued through lack of funding	None at present due to distances involved and lack of funds to implement.
Basic Education	Tsavo Trust has paid for 2 teachers (1 at Ngiluni & 1 at Kamunyu School within KC) for the last 8 years. This is ongoing.	No activities as yet.
VSLA – Savings Groups	Village savings & loan groups are in progress – partnership between ZSL / KC & TT	None at present.
Training	VSLA, permaculture & HWC mitigation	None at present.
HWC	7 x 1-acre bee fences, total 105 beehives with 21 currently occupied.	N/A yet
Elephant Bee Fence	10% fence plan completed Phase 1: 3 plots (electric fencing of 10% of individual land).	N/A yet
10% Fence Plan	3 predator proof bomas set up: by TT/ZSL	N/A yet
Human Wildlife Conflict (HWC)	36 cases recorded: 27elephant cases; 2 Leopard; 1 baboon; 3 lion; 3 mongoose	18 cases recorded: 8 hyenas; 9 Cheetah; 1 lion;
Land Tenure	KC: historically Ngai Ndethia NR. Land surveyed and sold to individuals under Ngiluni Settlement Scheme in the 1970's but Title Deeds have yet to be issued. 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	None	None
Operations and Security	➤ Arrests: Nil ➤ Snares / traps / bushmeat: 6 snare ➤ Equip. recvd.: Nil ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: Nil ➤ HEC: 1 ➤ Foot patrols: 217km	➤ Arrests: 1 (1 bushmeat poacher) ➤ Snares & traps recvd.: 31; 2kg dried meat ➤ Equip. recvd.: Nil ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 2 ➤ Poachers camps: Nil ➤ Foot patrols: 65km
Tembo 1 Team = T1		
Tembo 3 Team = T3		
Kamungi Scouts = KS		
Shirango Scouts = SS		

Unusual Photo of the Month:



Aerial photo taken from Tsavo Trust Super Cub – of two lionesses (the other hidden behind bush) on 10th March 2021 just inside TENP having dined on an illegal cattle herder's cow during the night. Although livestock predation is quite common, it is unusual to actually capture a photo of the predator and its livestock prey together.

With sincere thanks and appreciation:

Organisations: Kenya Wildlife Service; USAID/DOI; US Fish & Wildlife Service; The Oak Foundation; Leopardess Foundation; JM Foundation Africa; Cheyenne Mountain Zoo; Zoological Society of London (ZSL); Save The Elephants (STE); Global Wildlife Conservation (GWC); Tusk Trust; Rhino Recovery Fund (WCN); International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); Georg Waechter Memorial Foundation; Glassybaby White Light Fund; 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; International Fund for Animal Welfare (IFAW); TUI Care Foundation; Empowers Africa; Off Piste Africa; Enos Enterprises–Tembo Wine; Salama Fikira; 51 degrees-Vulcan; Conservation Alpha; JW Seagon Insurance; Saving the Survivors; World Book; Lewa Canada; Prints for Conservation; Remembering Wildlife Books and many more.

Individuals: Stuart Herd; Sir Colin Southgate; 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; the late John Fletcher; Paul & James Wilson; James Chiappa; David Calderone; Will Burrard-Lucas; Drew Doggett photography; Goh & Courtney Iromoto; the Kiddingtons; Renzo Bernardi; Howard Saunders; Sandor Carter; Sean Dundas; Karen Laurence-Rowe; James Lewin; 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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