

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	50 (for year) Average 117km p/h of low-level flight	5,877 (km for year) Flights carried out jointly with KWS staff
 Rhino specific flights	17 (for year)	1,951 (km for year)
	Field Patrol Days	Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 124 days (to date) Monitoring teams: 58 days (to date)	Vehicle patrols: 9,597km (km to date) Foot patrols: 765km (km to date) Monitoring teams: 6,707km (km to date)
 Big “Tuskers” observed	13 Tuskers - 2 Super Tusker bulls, 10 emerging bulls, 1 cow Tusker = 47 individual observations	
Ivory recovered	4 elephant tusks (for year to date)	
Elephant mortality	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	1 – (c of d: 1 natural)	1 - (c of d: 1 natural)
Poacher camps/hides	Fresh - 3	Recent – Nil
Arrests	2 – by KWS / TT – 1 bushmeat poacher; 1 illegal cattle herder (2 for year to date); Bushmeat recvd (wet & dried): 15kg (15kg for year to date)	
Snares/traps recovered	6 by Tembo Teams: 6 snares to date 2022 (5 small; 1 medium, 0 large)	
Human Elephant Conflict	Joint TT-KWS team: 9 elephants driven from farmlands east of Mtito Andei (9 elephants pushed out of farms in 2022 to date – 185 for Jan21 = 95% reduction following TT fence)	
Illegal Livestock (only in PA)	6 live cattle bomas (500 cows; 400 shoats; 4 men)	
Written reports to KWS	69 (daily Situation reports, various communications & 1 monthly report)	
Significant notes	25/1/22: Official opening by Governor of Makueni County of Mtito to Athi 32km HEC fence funded by TT in partnership with Makueni Govt., KWS and Kamungi Conservancy. 25/1/22: Signing of formal MOU between Makueni County Govt. and Tsavo Trust relating to conservation and community development. 95% reduction in HEC between Mtito Andei and Kamunyu Village following completion of Tsavo Trust/Makueni Govt/KWS/Kamungi 3 strand 32km fence with only 9 elephants pushed from farmlands in Jan22 as opposed to 185 in Jan21!	
COMMUNITY CONSERVANCY PROGRAM:		
Kamungi Conservancy North boundary TWNP 	<u>Employment</u> (through T/Trust): 40 permanent, 9 temporaries <u>Membership</u>: 1,400 people - Community Mobilization meetings: 17 - Ongoing Projects: Water project; 10% fence plan; VSLA’s; HEC-Mtito fence; Dispensary support; Permaculture Project; SAPA workshops & trainings - Human Wildlife Conflict (HWC): 34 reports; crop raiding elephants & venomous snake issues - Security Ops (KWS, T3 & KS):	
Shirango Conservancy Southeast boundary TENP 	<u>Employment</u> (through T/Trust): 15 permanents <u>Membership</u>: 2,300 people - Community Mobilization meetings: 3 - Ongoing Projects: Water project; anti-poaching; land tenure - Human Wildlife Conflict (HWC): 10 reports mainly 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
BTP individual Tusker sightings	Total = 47 sightings
Super Tusker Bulls	2 individuals (22 sightings)
Emerging Tuskers (bulls)	10 individuals (24 sightings)
Iconic Cow Tuskers	1 individual (1 sighting)
Elephant Mortality	2: - 1 fresh (c of d: 1 natural; 1 recent – 1 natural)
Ivory Recovered	4 tusks (from carcass recovery)
Elephant Treatment/Translocation	Nil
Wildlife Rescues (mainly venomous reptiles)	7: All snakes: 5 Red spitting cobra; 1 black mamba; 1 speckled sand snake
Rhino Aerial Patrol Support (KWS / ZSL / TT partnership)	7 rhino specific reces: 1,951km flown = 17hrs (3 TW & 4 TE)
HWC cases attended to	3 (9 elephants - community farms east of Mtito Andei)
Arrests	2 (1 bushmeat poacher; 1 illegal cattle herder)
Wire Snares Recovered	6 (5 small, 1 medium)
Bush Meat Recovered (Kg)	15kg (2 dried Dik-dik, 1 spurfowl, 1 giraffe tail)
Poachers Equip. Recovered	2 pangas; 3 bicycles; 3 lamping torches; 1 sirens; 1 2 slashers; 2 knives; cooking equip
Poachers' camps/Blinds	3 active
Night Ambushes set	15 (9 Kulalu/Shirango/Dakota-Voi River/Morondo; 6 Kamungi area)
Response to Armed Situations	Nil
Foot patrols (km) Tembo Teams	765km foot patrols – 6 teams
Collared Elephant Observations	11 sighting record 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	9 days TWNP - Ziواني/Manda/Losoito; 12 days TENP – Ndara-underpasses
Charcoal & Logging	Nil
Training	2 TT Officers Masters training; aircraft training; HWC community training; Maliasili – African Conservation Leadership Course; IT / computer training
TT HQ Rainfall	Nil mm. Total rainfall to date for 2022: Nil mm



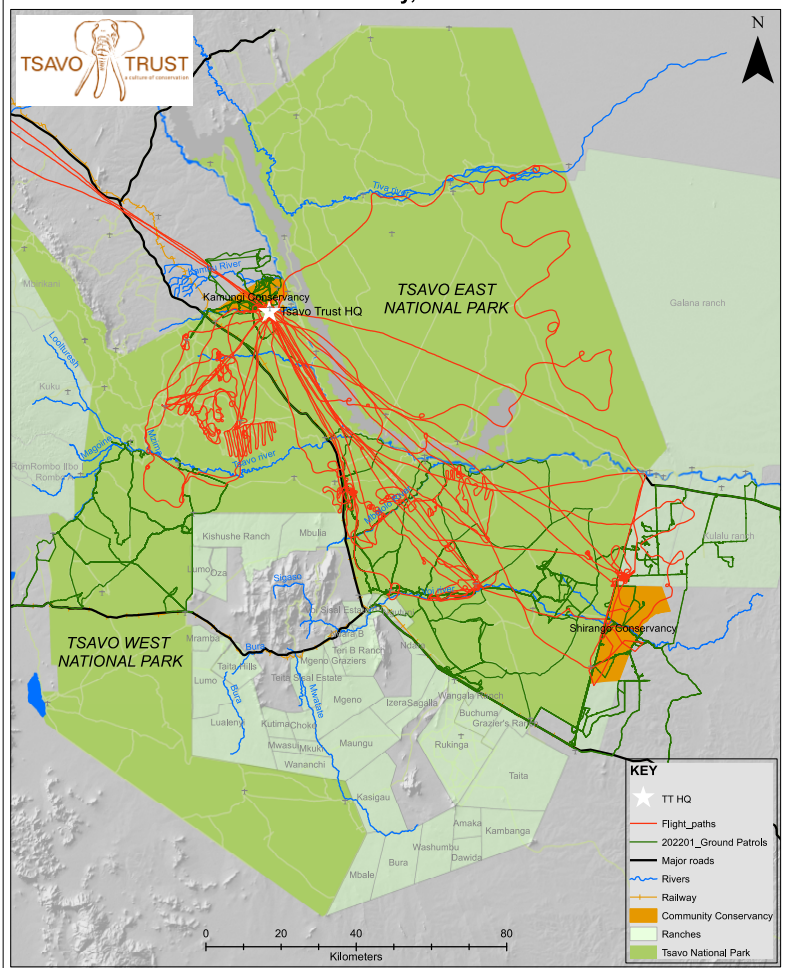
25th January 2022: Shows His Excellency Professor Kivutha Kibwana – Governor of Makueni County (CGM) and some of his team whilst signing the MOU between CGM and Tsavo Trust pertaining to conservation matters and community development. This was carried out at the opening of the 3 strand HEC 32km fence from Mtito Andei running eastwards towards Athi River.



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.

TSAVO TRUST'S AERIAL AND GROUND PATROLS COVERAGE
January, 2022.



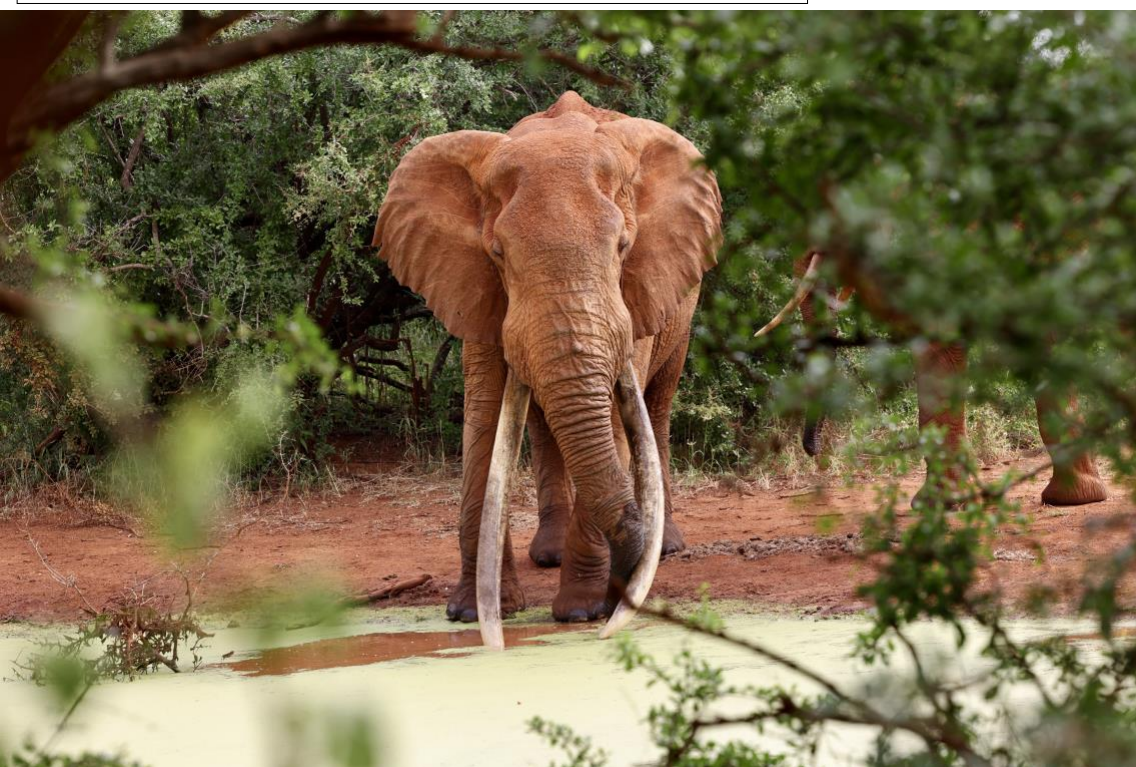
*Map shows Tsavo Trust's flight paths in **RED** and ground patrol paths in **GREEN** over the TCA this month.*

***Note:** The Tsavo Parks are huge comprising 22,000km² (TENP, TWNP & CHNP) and then a further 20,000km² totaling 42,000km² to form the Tsavo Conservation Area (TCA).*

***Aerial:** 50 hours flown covering 5,877 kilometers over Tsavo in support of KWS.*

***Ground:** 765 kilometers of foot patrol and a further 16,304 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.*



*23rd January 2022:
Photo shows one of the 9 remaining Super Tuskers in Tsavo, coded as LU1.*

LU1 is without a doubt one of Tsavo's “jewels in the crown”.

The joint KWS/Tsavo Trust Big Tusker Project named and coded this magnificent bull Tusker on 1st January 2014 and the monitoring teams have observed him several hundred times since, 19 of these in the month of January 2022 alone.

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 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	-	-	-	-	2 bicycles 1 panga 2 slashers Cooking equip	2 Active	-	3,642	217
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	1 Illegal herder	-	6 5 small 1 medium	-	-	-	2 HEC 4 elephants driven from farms at night by TT/KWS	2,786	176
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	Vehicle problems Team sent of off days	-	-	-	-	-	-	-	-	-
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	31	1 1 Bushmeat poacher	2	-	15kg 2 Dikdiks 1 spurfowl 1 giraffe tail	1 bicycle 3 spotlights 1 siren 1 pangas Cooking equip	1 Active	-	3,169	168
Kamungi Scouts 4 Scouts	31	-	-	-	-	-	-	1 HEC 5 elephants driven from farms at night by TT/KWS	-	204
TOTALS	124	2	2	6	15kg	As above	3	3	9,597	765
Total 2021	124	2	2	6	15kg	-	3	3	9,597	765

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) 	27	-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 – 27 sighting -Hirola – 1 -Grevy's Zebra – 1 -Large Carnivores – 10 Ground Hornbill - 5 -Road & Rail kills – 1 -Elephant carcasses – 0 -Ivory recvd. – 0 -Rain gauge readings -Collared elephants – 1 Carnivore scat collect – 0	Tsavo East Nat. Park – mainly southern, central and eastern sections including Shirango Conservancy	3,687
Tembo 4 (TWNP) (2 TT staff + 4 KWS) 	31	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 16 -Tuskers - 0 -Large Carnivores – 3 -Collared elephants – nil -Elephant carcasses – nil -NRS Rhino night census – n/a	Tsavo West Nat. Park – IPZ and Triangle	3,020
TOTALS	58	As above	As above	As above	6,707
Total 2022	58	-	-	-	6,707

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 45 permanent staff & 15 casual staff employed generating over \$12,000 (Ksh.1,320,000) of income into Kamungi monthly.	Tsavo Trust employs 14 staff from SCC including a Community Liaison Officer (CLO) to spear head activities. Salaries generate over \$3,000 (Ksh.330,000) of income monthly.
Community Mobilization and Sensitization Meetings	17 community meetings held ➤ Mtito Fence meeting: GMC, TT/Kamungi, KWS - HWC ➤ Makueni Dev. Trust ➤ Board Meeting ➤ School bursary scheme start up ➤ ZSL projects ➤ 10% Fence Planning meeting	3 community meetings held ➤ General Community ➤ Chiefs Office baraza re land registration
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	26,000 litres of water issued. (26,000 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	276 patients attended (276 for year to date).	There is need to support this project.
Constructions	Honey processing room-completed and opened by Governor Makueni C on 25/1/22	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	Scouts trained on GPS use & data collection
HWC Mitigation	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 32km fence line	7 predator proof bomas set up: by TT/ZSL	N/A yet
	Completed 30/11/21	N/A yet
Human Wildlife Conflict (HWC)	34 cases recorded: 23 elephant; 1 leopard; 8 poisonous snake; 2 mongoose	10 cases recorded: 1 lion; 7 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



Left: 15th January 2022: Tsavo Trust's professional snake handler, Patrick Mutua, with a Red spitting cobra (*Naja pallida*) having been caught and rescued from TT CEO house and later released. In January 2022, Patrick caught in community homesteads and later released 5 Red spitting cobras, 1 Black mamba and 1 Speckled sand snake.

Below: 18th January 2022: Following the December 21 rains, all those Kamungi community members that were elected for the 10% fence plan have benefited hugely and are now able to grow crops free from Human Wildlife Conflict. The photo below shows this homestead with electric fence and all available land within has successfully been planted.



Above: 25th January 2022: Shows His Excellency Professor Kivutha Kibwana – Governor of Makueni County (CGM) and with his team being shown the 32km HEC fence configurations by Joseph Kyalo of Tsavo Trust during the official opening ceremony at Ngiluni Village in Kamungi Conservancy.

Unusual Photo of the Month:



27th January 2022: this incredible photo taken from a Super Cub aircraft by Nick Haller – Tsavo Trust Conservation Officer / pilot, shows a magnificent leopard relaxing on a branch of a Delonix digitata tree in TWNP. It is certainly not easy to capture a good photo of a leopard from a fixed wing aircraft.

With sincere thanks and appreciation:

Organizations: Kenya Wildlife Service; Government of Makueni County; USAID / DOI; US Fish & Wildlife Service; CITES / MIKE Programme-funded by the European Union; The Oak Foundation; Leopardess Foundation; JM Foundation Africa; Cheyenne Mountain Zoo; Save The Elephants (STE); Re:wild; Tusk Trust; Rhino Recovery Fund (WCN); International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); IUCN Save Our Species; Zoological Society of London (ZSL); The Glassybaby Foundation; Georg Waechter Memorial Foundation; Maliasili; EU-Biopama Programme; Tofauti Foundation; Ndovu Trust (UK); Satao Camp & Southern Cross Safaris (Msa); Origins Safaris; Ker & Downey Safaris; Tropical Ice Ltd; OnSafari-Kenya; Askari Project–Australia; Exodus Travel; Maasai Wilderness Conservation Trust (MWCT); Chesbro Foundation; Milkywire; 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; Griet Van Malderen; The Kratt Family; Loic Gouzer; Nick Lapham; Alex Graham; Nick Powell; James Robertson; 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; Kim Makenzi; Paolo Parazzi; Sam Stogdale; Howard Saunders; Sandor Carter; Sean Dundas; Andreas Fox; Karen Laurence-Rowe; John Carr; Max Haller; Anthony Cheffings; 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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