

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	55 (510 for year) Average 115km p/h of low-level flight	6,540 (57,848km for year) Flights carried out jointly with KWS staff
 Rhino specific flights	16 (145 for year)	1,936 (19,083km for year)
	Field Patrol Days	Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 155 days (1,121 to date) Monitoring teams: 59 days (454 to date)	Vehicle patrols: 12,332km (77,844km to date) Foot patrols: 904km (5,843km to date) Monitoring teams: 8,544km (58,648km to date)
 Big “Tuskers” observed	10 Tuskers - 3 Super Tusker bulls, 7 emerging bulls, Nil cow Tusker = 19 individual observations	
Ivory recovered	5 elephant tusks (23 for year)	
Elephant mortality	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	2 – (c of d: 1 unknown, 1 roadkill)	1 - (c of d: natural)
Poacher camps/hides	Fresh - 2	Recent – Nil
Arrests	9 – by KWS / TT – 9 bushmeat poachers (45 for year to date); Bushmeat recvd (wet & dried): 256kg (476kg for year to date)	
Snares/traps recovered	140 by Tembo Teams: 771 snares to date 2021 (643 small; 108 medium, 21 large)	
Human Wildlife Conflict	Joint TT-KWS team: 52 elephants driven from farmlands east of Mtito Andei (1,517 elephants pushed out of farms in 2021 to date – ave. 6.5 per night)	
Illegal Livestock (only in PA)	1 live cattle bomas (9,670 cows; 2,000 shoats; 2 donkeys; 10 men)	
Written reports to KWS	58 (daily Situation reports, various communications & 1 monthly report)	
Significant notes	- Tsavo is really starting to suffer from extreme dry conditions, with 2 months to go before rain! 14/8/21: Joint KWS/TT arrest along Msa Highway of 1 truck, 2 poachers with 35 Dik-diks 19/8/21: lion poisoning incident (3) TWNP boundary / Il Talal with joint KWS/TT response 21st to 23rd Aug21: KWS led NRS full moon rhino census sponsored by TT & ZSL 23/8/21: Melanistic leopard sighting near TT HQ / Kamungi TWNP boundary 23/8/21: TWNP IPZ sand dam ground survey – KWS/TT/ASFD/NEMA 28/8/21: VIP Rhino Viewing Platform in TWNP NRS completed	
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: 17 - Ongoing Projects: Water project; 10% fence plan; VSLA's; HEC-Mtito fence; Dispensary support; Permaculture Project; trainings - Human Wildlife Conflict (HWC): 52 reports; crop raiding elephants, leopard & lion issues - Security Ops (KWS, T3 & KS):	
Shirango Conservancy Southeast boundary TENP 	<u>Employment</u> (through T/Trust): 12 permanents <u>Membership</u>: 2,300 people - Community Mobilization meetings: 3 - Ongoing Projects: Water project; anti-poaching; land tenure - Human Wildlife Conflict (HWC): 12 reports elephant & livestock predations - Security Ops (KWS T1, T7 & SS):	
FORMAL FIELD CONSERVATION PARTNERS:		
(Full list of supporters/partners shown on last page)		
  	 	    

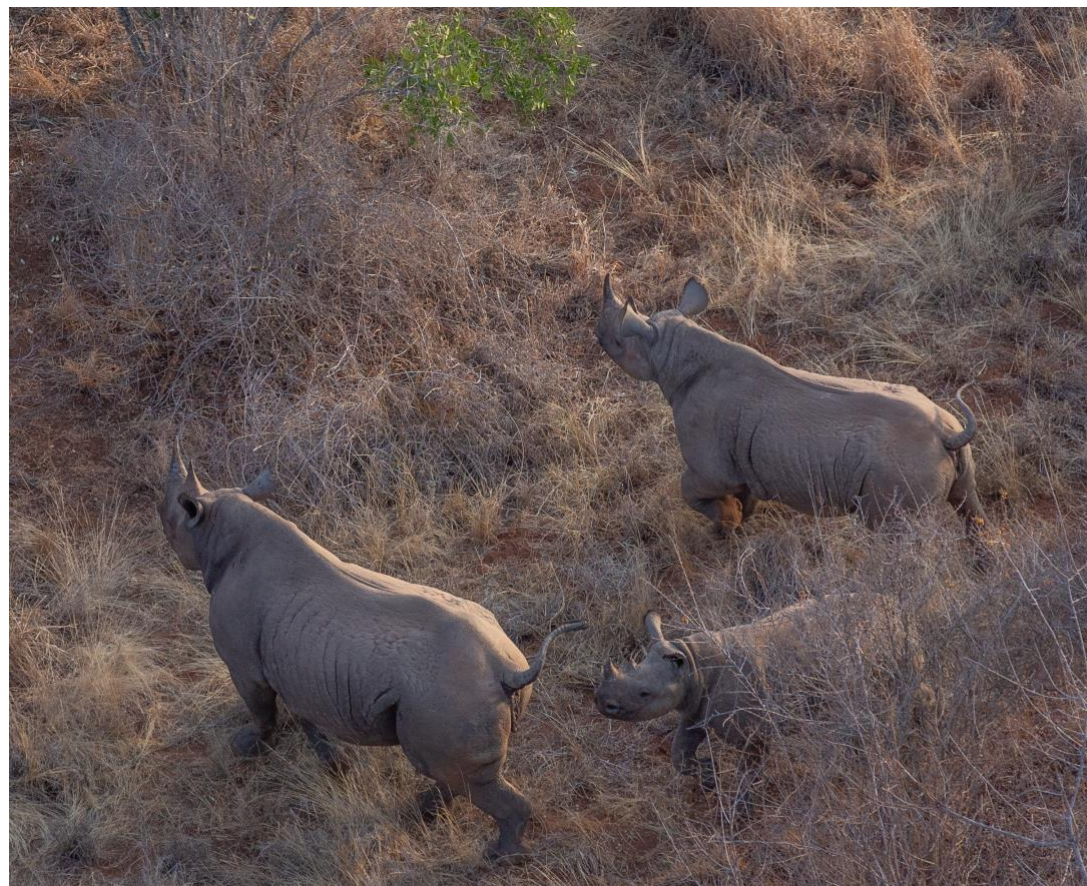
WILDLIFE CONSERVATION PROGRAM:



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

Table 1: Summary of Big Tusker Project (BTP)

Activity / Detail	Number & Brief Remarks
BTP individual Tusker sightings	Total = 19 sightings
Super Tusker Bulls	3 individuals (5 sightings)
Emerging Tuskers (bulls)	7 individuals (14 sightings)
Iconic Cow Tuskers	Nil individual (- sighting)
Elephant Mortality	3: - 2 fresh (c of d: 1 unknown; 1 roadkill) 1 recent (1 natural)
Ivory Recovered	5 tusks
Elephant Treatment/Translocation	Nil
Wildlife Rescues (mainly venomous reptiles)	7: 1 Puff-adder; 2 Boomslang; 3 sand snakes; 1 Red spitting cobra
Rhino Aerial Patrol Support (KWS / ZSL / TT partnership)	8 rhino specific reces: 1,936km flown = 16hrs (7 TW & 1 TE)
HWC cases attended to	16 (52 elephants driven from community farmland east of Mtito Andei)
Arrests	9 (9 bushmeat poachers)
Wire Snares Recovered	140 (114 small, 26 medium)
Bush Meat Recovered (Kg)	256kg (dried Eland, Impala, Dik-dik, lesser kudu & serval cat meat)
Poachers Equip. Recovered	1 truck; 1 motorbike; 4 spotlight; 1 siren; 1 slasher; 4 pangas; 3 bicycles; 2 knives
Poachers' camps/Blinds	2 active (1 Kulalu; 1 Giriama Ranch)
Night Ambushes set	8 (4 Kulalu/Giriama/Shirango; 3 Bondeni/Mangalet; 1 Mifupa ya Ndovu)
Response to Armed Situations	Nil
Foot patrols (km) Tembo Teams	904km foot patrols – 6 teams
Collared Elephant Observations	14 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	5 (4 Chyulu Hills Bondeni & Kathekai, 1 Ndiandaza TE)
Illegal Cattle Drive KWS Support	2 TENP, Mifupa ya Ndovu area (700 cows driven out)
Charcoal & Logging	Nil
Training	2 TT Officers Masters training; 1 KWS Officer Masters training; HWC community training
TT HQ Rainfall	Nil mm. Total rainfall to date: 265mm



10th August 2021:
Photo shows three healthy TWNP IPZ rhino's during a regular aerial patrol in support of the KWS TWNP Rhino Program.

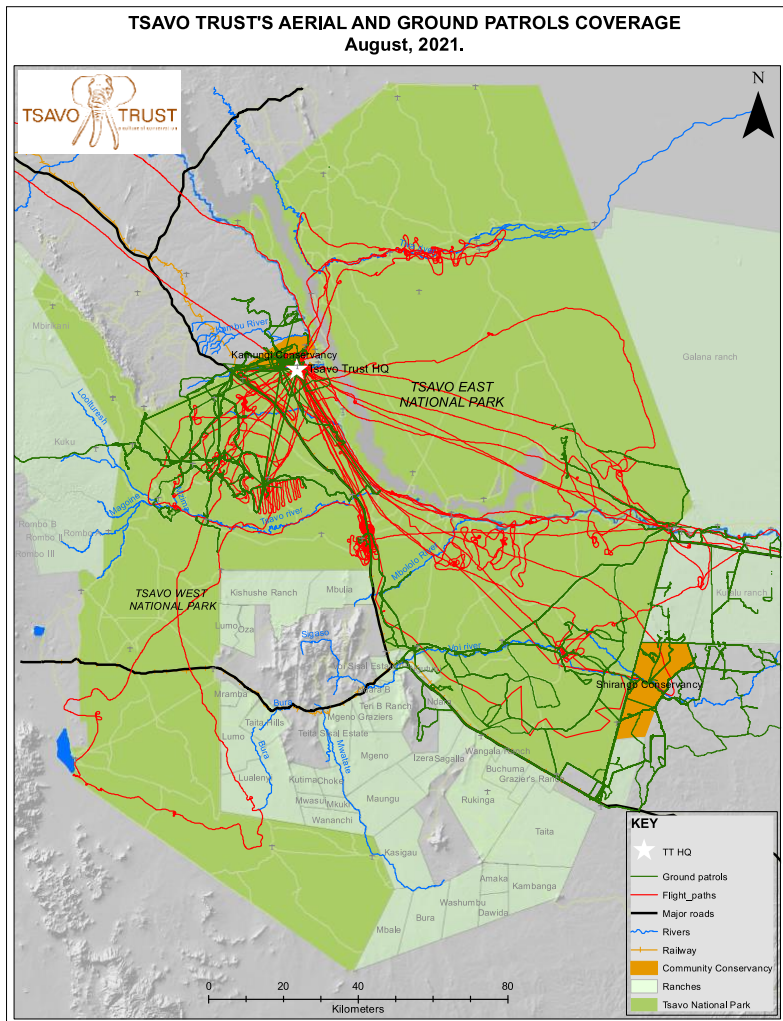
Rhino numbers continue to grow significantly in TWNP in recent years – a big positive rhino conservation story.

Over the last 7 years Tsavo Trust has continued to partner with ZSL to support KWS in this program.



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: 55 hours flown covering 6,540 kilometers over Tsavo in support of KWS.

Ground: 904 kilometers of foot patrol and a further 20,876 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.



28th August 2021: Ngulia VIP Rhino viewing platform in TWNP NRS. Funding for this project has generously been made possible by David Calderone through Off Piste Africa and construction through Tsavo Trust in collaboration with KWS TWNP. This facility will help KWS to show case their TWNP rhino program but also to generate revenue from potential high-end guests who seek a very special experience.

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, 7, 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	4 Bushmeat poachers	-	34 21 small 13 medium	133kg Impala, Eland, L. Kudu., 15 Dik-diks	1 motorbike 3 pangas 1 siren 1 spotlight 1 slasher 1 knife	1 Active	-	3,448	236
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	3 3 Bushmeat	-	33 31 small 2 medium	105kg 35 Dik-diks	1 lorry truck (used to ferry meat)	-	15 HWC 14 HEC 1 HCC Total 52 elephants driven from farms at night by TT/KWS team	2,648	173
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	31	-	-	14 8 small 6 bird traps	-	-	-	1 HEC	2,490	158
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	31	1 Bushmeat poacher	4 Elephant tusks	48 37 small 11 medium	18kg Dried Dik-dik meat & 1 serval cat	3 spotlights 1 panga 1 bicycle 1 knife	1 Active	-	3,746	145
Kamungi Scouts 4 Scouts	31	1 Bushmeat poacher	-	11 10 small 1 bird trap	-	-	-	-	-	192
TOTALS	155	9	4	140	256kg	As above	2	16	12,332	904
Total 2021	1,121	45	22	771	476kg	-	17	463	77,844	5,843

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) 	28	-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 – 11 sighting -Hirola – 9 -Grevy's Zebra – Nil -Large Carnivores – 15 Ground Hornbill - 2 -Road & Rail kills – 2 -Elephant carcasses – Nil -Ivory recvd. – Nil -Rain gauge readings -Collared elephants – 3 Carnivore scat collect – 0	Tsavo East Nat. Park – mainly southern, central and eastern sections including Shirango Conservancy	3,556
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 – 11 -Tuskers - 1 -Large Carnivores – 1 -Collared elephants – nil -Elephant carcasses – nil -NRS Rhino night census – 121	Tsavo West Nat. Park – IPZ and Triangle	4,988
TOTALS	59	As above	As above	As above	8,544
Total 2020	454	-	-	-	58,648



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 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	17 community meetings held ➤ Mtito Fence meeting: GMC, TT/Kamungi, KWS ➤ Makueni Dev. Trust ➤ Board Meeting ➤ VSLA's ➤ 10% Fence Planning meeting	3 community meetings held ➤ Maliasili S/Planning ➤ General Community
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	112,860 litres of water issued. 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	337 patients attended (2,000 for year to date).	This is currently dis-functional. Nearest health center is 10km away. 50% of residents rely on traditional herbal medicines.
Constructions	Honey processing room under construction Scouts HQ & Office/store completed	Scouts HQ completed
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 yet.
VSLA – Savings Groups	5 Village Savings & Loan Association (VSLA) are in progress – partnership between ZSL / KC & TT	None at present.
Training	VSLA, permaculture & HWC mitigation	Scouts trained on GPS use & data collection
<u>HWC Mitigation</u> Elephant Bee Fence 10% Fence Plan	7 x 1-acre bee fences, total 105 beehives with 15 currently occupied.	N/A yet
	10% fence plan completed Phase 2 completed: Total 12 plots (HWC electric fencing of 10% of individual land).	N/A yet
	7 predator proof bomas set up: by TT/ZSL	N/A yet
Mtito 30km fence line	13/9/21: Construction started	N/A yet
Human Wildlife Conflict (HWC)	52 cases recorded: 46 elephant cases; 1 Leopard; 2 lion; 2 Hyena; 1 mongoose	12 cases recorded: 2 elephants; 2 lion; 8 hyena
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	1	None
Operations and Security	➤ See Field Units table above	➤ See Field Units table above



Left: Human Wildlife Conflict – a daily occurrence in many surrounding communities of Tsavo. 17th August 2021 shows the remains of 5 goats killed by a leopard in Kamungi Conservancy.



Left: 28th August 2021 shows the inside view of the recently completed VIP Rhino Viewing Platform in TWNP Ngulia Rhino Sanctuary.

Right: 15th July 2021 - renovations of TWNP old Chyulu Gate, shown here, have commenced by Tsavo Trust in support of KWS.



Left: 28th August 2021 – renovations well underway. This facility will become a permanent ranger outpost. It is well located and within the TWNP IPZ which will boost ranger morale and security presence significantly.

Unusual Photo of the Month:



15th August 2021 shows an aerial photo of a leopard (lower right corner) overlooking a small water hole in the Tsavo Triangle taken by Tsavo Trust Conservation Officer/Pilot – Nick Haller. Leopards are quite often observed during aerial patrols, but rarely can you fly round a second time to take a clear photo.

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; 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; 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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