



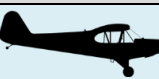
Tsavo Trust is an action orientated, field-based, Kenyan not-for-profit conservation organization that recognizes the importance of a holistic approach to biodiversity conservation. www.tsavotrust.org

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

SEPTEMBER 2022 MONTHLY REPORT



The above photo shows the magnificent Super Tusker coded as BA1 walking to a water point, TENP. Joint Tsavo Trust / KWS Big Tusker Project named this bull on 13th April 2014 and over time we have come to know, admire and respect this great Tsavo Tusker. Photo credit Tsavo Trust – R. Moller.

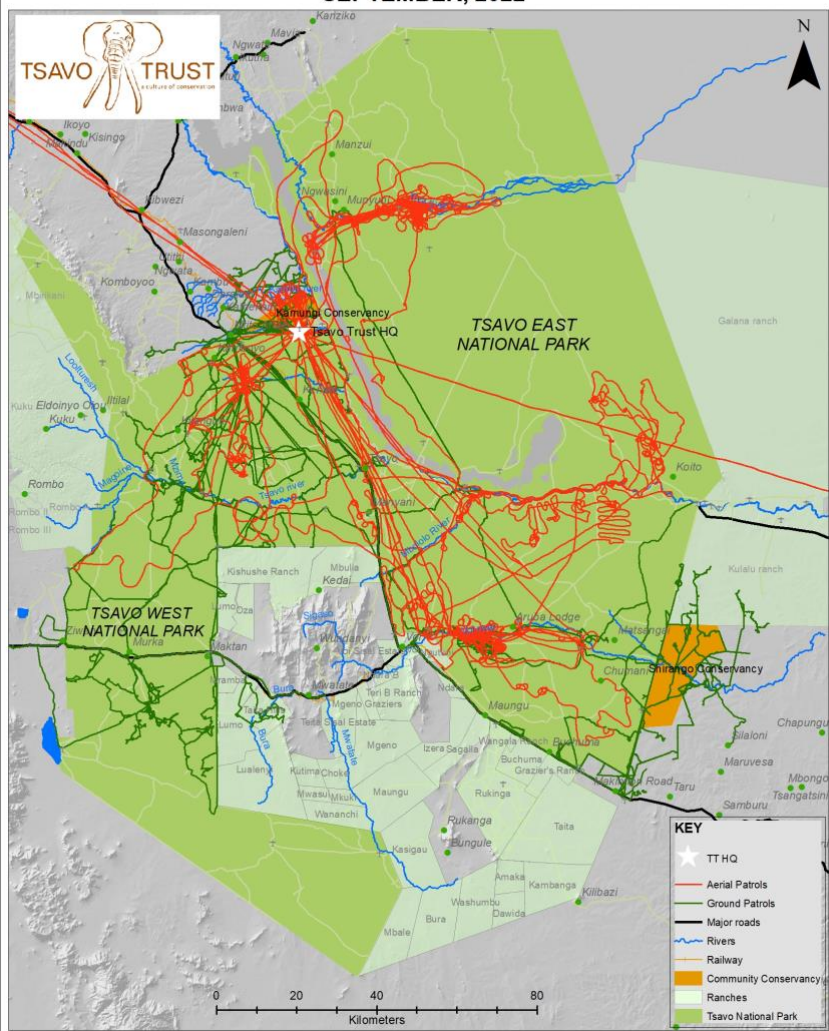
WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial & Ground Activities</i>					
Activity		Hours Flown		Kilometers Covered	
	Aerial Unit	55 (482 for year) Average 124km p/h of low-level flight		7,125 (59,803km for year) Flights carried out jointly with KWS staff	
	Rhino Aerial Patrols	Aerial Patrols: 16 (4 TWNP; 2 TENP) (170hrs for year to date)		Aerial: 1,749 (20,442km for year)	
		Field Patrol Days		Kilometers Covered	
Ground Protection Activities (Joint with KWS / TT & Community Scouts)		Protection teams: 180 days (1,390 to date) Monitoring teams: 47 days (499 to date)		Vehicle patrols: 15,229km (101,534km to date) Foot patrols: 1,156km (8,853km to date) Monitoring teams: 5,482km (67,410km to date)	
	Big Tusker Project	12 Tuskers - 5 Super Tusker bulls (14 sights), 5 emerging bulls (6 sights), 2 cow Tuskers (3 sights): 23 individual observations			
Collared Elephant Sightings: Joint KWS/STE/TT program		3 sightings: record forms submitted to STE (aerial and ground observations)			
Ivory recovered		9 elephant tusks (31 for year to date)			
Elephant mortality		Fresh: 6 (c of d: 3 natural, 2 unknown, 1 HEC) (Less than 3 weeks old)	Recent: Nil (Less than 3 months old)	Old: Nil (More than 3 months old)	
High Value Species Monitoring		Ongoing partner with KWS TCA Research / WRTI: Monitoring Hirola, Grevy’s zebra, large carnivores, Roadkill Surveys, Southern Ground Hornbill etc			
Wildlife - Treatment & Translocation		Venomous snakes re-located from communities: 1 Puff Adder and 1 Boomslang Others: Jointly with the KWS PAC team, trapped and translocated a male leopard from Iviani village where it was preying on livestock to Rhino Valley in TWNP.			
Poacher camps/hides		Fresh – 1 (11 to date)		Recent – 3 (4 to date)	
Arrests – joint KWS/TT		43 – 36 illegal herders; 6 bushmeat poachers; 1 trespassing - searching for grazing areas. (126 for year to date)			
Snares/traps recovered		138 by Tembo Teams: 1,305 snares to date 2022 (1,031 small; 233 medium; 41 large)			
Bushmeat recoveries (wet & dried)		76kg (1,765kg for year to date) 1 Warthog; 2 Dik diks; 1 Bushbuck and 1 porcupine and 1 Grant’s gazelle			
Poachers Equip. Recvd.		3 pangas; 1 bicycle; 3 knives; 4 lamping horns; 1 poison arrow and cooking equipment			
Night Ambushes		Joint KWS / TT: 12 (Shirango; Murondo; Alpha 3; Lumo; Ziواني; Kishushe; Egu; Voi River: Kilifi Ranch)			
Firefighting		1 – (Responded to and helped put out a fire in Chyulu hills NP)			
Human Elephant Conflict		Joint TT-KWS team: 7 elephants driven from farmlands east of Mtito Andei (32 elephants pushed from farms – Sep113 compared to 52 in Aug21 = 72% reduction following TT fence)			
Illegal Livestock (only in PA)		Nil active cattle boma (2,100 cows; Nil shoats; Nil donkey; 28 people)			
Written reports to KWS		82 (daily Situation reports, various communications & 1 monthly report)			
TT Staff Training activities		3 TT Officers Masters training; 1 KWS Officer Masters training; HWC community training; Community livelihood training on beekeeping.			
TT HQ Rainfall figures		Nil. Total rainfall to date for 2022: 80mm			
Significant notes	- Long dry spell has now really taken a grip in Tsavo and we are seeing wildlife drought related deaths including elephant, buffalo, hippo and more. - Good number of Super Tuskers (14) and Emerging Tuskers observed this month. - Wildlife Ranger Challenge results (took place on 17th Sept.22) – Tsavo Trust team came 13th overall out of 64 teams across Africa. They came 5th out of all those ranger teams from Kenya. We are very proud of this effort.				
COMMUNITY CONSERVANCY PROGRAM:					
	Kamungi Conservancy ➤ Located: Northern boundary TWNP Triangle ➤ TT has played a stewardship role and partnered with KC since 2014		Shirango Community Conservancy ➤ Located: Southeast boundary TENP ➤ TT has played a stewardship role and partnered with SCC since 2016		
FORMAL FIELD CONSERVATION PARTNERS PROGRAM: (Full list of supporters/partners shown on last page)					
					
					



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 aerial patrols 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
SEPTEMBER, 2022**



*The 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:** 55 hours flown covering 7,125 kilometers over Tsavo in support of KWS.*

***Ground:** 1,156 kilometers of foot patrol and a further 20,711 kilometers of vehicle patrol in Tsavo to support KWS.*

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

***Below:** 26/09/22: Tsavo Trust's Community Officer Peter Mophat addressing Kamungi Conservancy members during their monthly meeting held at Ngiluni, Mtito Andei. Tsavo Trust partners with the Kamba and Watha local communities as key stakeholders in Conservation. Tsavo Trust continues to positively impact the livelihoods and welfare of the marginalized communities living adjacent to the Tsavo National Parks. Photo Credit Tsavo Trust – Nicholas Njogu.*



Field Mobile Units:

Tembo 1, 3, 5, 7, 9 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, 9 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)	30	2 1 bushmeat poacher and 1 illegal herder	2	52 8 small 34 medium 10 large	24 kg 1 warthog 1 porcupine	1 panga, 1 knife, 1 bicycle, 1 poisonous arrow	-	1 1 HEC. 15 elephants driven from an earth dam at night	2,624	238
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	30	-	-	28 20 small 8 medium	10 kg Bushbuck	-	-	8 6 HEC. 2 HCC. 32 elephants driven from farms.	2,327	213
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	30	-	4	-	-	-	4 1 active and 3 recent	-	2,472	205
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	30	8 2 bushmeat poachers & 6 illegal herders	-	20 All small game snares	39 kg 1 Grant's gazelle 1 Dik-dik	2 pangas, 2 lamping horns and 2 knives.	-	-	3,294	129
Tembo 9 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	30	31 29 illegal herders 1 bushmeat poacher 1 illegal entry	-	-	-	1 lamping horn and club	1 1 active	-	3,890	134
Kamungi Scouts 4 Scouts	30	2 Bushmeat poachers	-	38 All small game snares	3 kg 1 Dik-dik	1 lamping horn and cooking equipment	1 1 recent	1 HEC. 2 elephants driven from a farm.	622	237
TOTALS	180	43	6	138	76 kg	As above	6	10	15,229	1,156
Total 2021	1,390	126	16	1,305	1,765 kg	-	16	64	101,534	8,853

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) 	17	-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 – 6 sightings -Hirola – 4 sightings -Grevy's Zebra – Nil -Large Carnivores – 16 sightings Ground Hornbill – 4 sightings -Road & Rail kills – Nil -Elephant carcasses – 1 -Ivory recovered. – 2 -Rain gauge readings -Collared elephants – Nil Carnivore scat collected – Nil	Tsavo East Nat. Park – mainly southern, central, and eastern sections including, Voi River & Shirango Conservancy	1,683
Tembo 4 (TWNP) (2 TT staff + 4 KWS) 	30	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 27 -Tuskers - Nil -Large Carnivores – 3 sightings -Collared elephants – Nil -Elephant carcasses – Nil -NRS Rhino night census – 129 B. rhinos	Tsavo West Nat. Park – IPZ and Triangle	3,799
TOTALS	47	As above	As above	As above	5,482
Total 2022	499	-	-	-	67,410

COMMUNITY CONSERVANCY PROGRAM:

ACTIVITY	KAMUNGI Conservancy	SHIRANGO Community Conservancy
Ongoing partnership between Tsavo Trust & KC & SCC	North boundary of TWNP – Triangle, since 2014. Total area approx. 100km ² Makeni County; Kibwezi Sub County; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.	South boundary of TENP – Voi River area, since 2016. 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 spearhead activities. Salaries generate over \$3,000 (Ksh.330,000) of income monthly.
Community Mobilization and Sensitization Meetings	13 community meetings held ➤ Relief food distribution at Nthunguni under the drought response program. ➤ Kyusiani Secondary School Board of Management meeting. ➤ Ngiluni Primary School environment club conservation discussion and tree planting exercise. ➤ Secondary School bursary scheme appraisal and mentorship meeting at Ngiluni. ➤ Kamungi Conservancy monthly meeting held on 27/09/2022. ➤ Kamungi Conservancy board meeting held at the Ngiluni water tank on 29/09/2022. ➤ Mtito Andei's Chief monthly meeting	4 community meetings held ➤ Meeting with local administration to inform on projects that have been done in Shirango Conservancy and those planned in the future. ➤ Sustainable Management of Amboseli and Tsavo ecosystems project inception meeting at Gede Chief's office. ➤ Meeting with the outgoing Shirango Conservancy manager regarding recruiting a new manager and the handing over process. ➤ Chief's meeting held on 27/09/2022 to discuss challenges facing education in Shirango Conservancy.
Membership	Through a registered CBO KC membership represents 140 families & over 1,400 individuals from 2 villages, mainly from the WaKamba community. Considerable interest for more membership from villages to the west towards Mtito	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	134,380 litres of water issued. (723,000 litres for year to date) Ngiluni Primary School connected to piped water.	Borehole, pump, and solar panels are in place, but saline water. Construction of an earth dam completed.
Basic Health care	351 patients attended (2,210 for year to date).	There is a need to support this project
Constructions	Honey processing room completed and opened by Governor Makeni C. on 25/1/22	Scouts HQ completed Construction of an Earth dam completed
Education	Paid for 2 teachers (1-Ngiluni & 1-Kamunyu School in KC) for the last 9 years. Ongoing.	None at present
Bursary Scheme	Started on April 22 5 needy students selected being supported.	None at present
Village Saving & Loan Associations – VSLA's	5 women-run VSLAs are in progress: partnership between ZSL / KC & TT	None at present
Poultry Project	3 poultry projects: partnership between ZSL / KC & TT	None at present
Training	VSLA livelihoods, HWC mitigation, permaculture	Scouts trained on GPS use & data collection
HWC Mitigation	7 x 1-acre bee fences, total 105 beehives with 9 currently occupied.	N/A yet
Elephant Bee Fence	10% fence plan completed Phase 2 completed: Total 12 plots (HWC electric fencing of 10% of individual land). There are issues with plots/land being purchased by a local NGO in this area that is threatening this innovative project, but mitigating measures are in place	N/A yet
10% Fence Plan		
Predator Proof bomas	7 predator-proof bomas set up: by TT/ZSL	N/A yet
Mtito 32km fence line	Completed 30/11/21 with 95% HEC reduction	N/A yet
Human Wildlife Conflict (HWC)	28 cases recorded: 13 elephant; 7 lion; 4 leopard; 1 honey badger; 2 snake and 1 crocodile.	8 cases were recorded: 4 hyena and 4 elephant.
Land Tenure	Ongoing	SCC land is currently a traditional communal mode of ownership, not legally protected. Efforts are underway to ensure the local communities legally own their land.
Wildlife Census Transects	1	None
Operations and Security	➤ See the Field Units table above	➤ See the Field Units table above

Unusual Photos of the Month:



Left: Photo shows a melanistic serval cat. Serval cats normally have a cheetah-like spotted coat and coming across a melanistic one is very rare. The photo was taken by Tsavo Trust's Katana Bulushi (Tembo 2 team) on 30/09/2022.



Left: Photo shows a Honey Badger (lower left) crawling amongst a group of bull elephants in TENP, and as usual showing no fear at all of anything, including these elephants, whilst drinking in small narrow dug out water holes dug by these same elephants in the dry riverbed.

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; Cheyenne Mountain Zoo; Leopardess Foundation; JM Foundation Africa; Save The Elephants (STE); Elephant Crisis Fund; Re:wild; Tusk Trust; Rhino Recovery Fund (WCN); Lion Recovery Fund (WCN); International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); IUCN Save Our Species; Zoological Society of London (ZSL); The Glassybaby Foundation; Maliasili; EU-Biopama Programme; Tofauti Foundation; Chesbro Foundation; Milkywire; Satao Camp & Southern Cross Safaris (Msa); Origins Safaris; Ker & Downey Safaris; Ndovu Trust (UK); Tropical Ice Ltd; OnSafari-Kenya; Askari Project–Australia; Exodus Travel; Maasai Wilderness Conservation Trust (MWCT); Off Piste Africa; Empowers Africa; 51 degrees-Vulcan; Conservation Alpha; Lewa Canada; Prints for Conservation; twio, Remembering Wildlife Books and many more anonymous donors.

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; Anita Mishra & Paolo Mapelli; James Lewin; the late John Fletcher; Paul & James Wilson; James Chiappa; David Calderone; Will Burrard-Lucas; Drew Doggett photography; the Kiddingtons; Marie de Brouwer; Kim Makenzi; Paolo Parazzi; Sam Stogdale; Howard Saunders; Sandor Carter; Sean Dundas; Andreas Fox; Karen Laurence-Rowe; Alex Hunter; John Carr; Max Haller; Anthony Cheffings; Prints for Conservation; Chris Acreman and numerous other dedicated enthusiasts.

Report compiled by Richard Moller (C.E.O) and the Tsavo Trust Team.

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