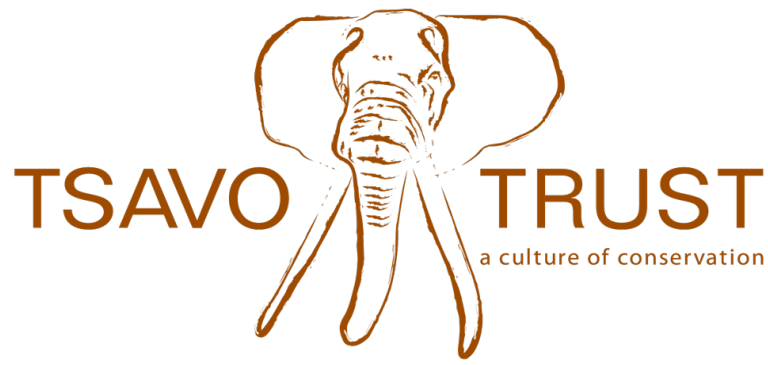




Tsavo Trust is an action orientated, field-based, Kenyan not-for-profit conservation organization that recognizes the importance of a holistic approach to biodiversity conservation. www.tsavotrust.org

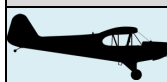
Tsavo Trust film clip: <https://www.youtube.com/watch?v=qGgM6-gqZOE&t=270s>

AUGUST 2023 MONTHLY REPORT



*The photo above shows two of the Tsavo West National Park rhinos (Terry and Calf) taken during a rhino monitoring aerial reconnaissance. Tsavo Trust supports KWS rhino conservation efforts by jointly monitoring and protecting the Black rhino population in the Tsavo Conservation Area
Photo Credit: Tsavo Trust – Nick Haller.*

SUMMARY of ACTIVITIES:

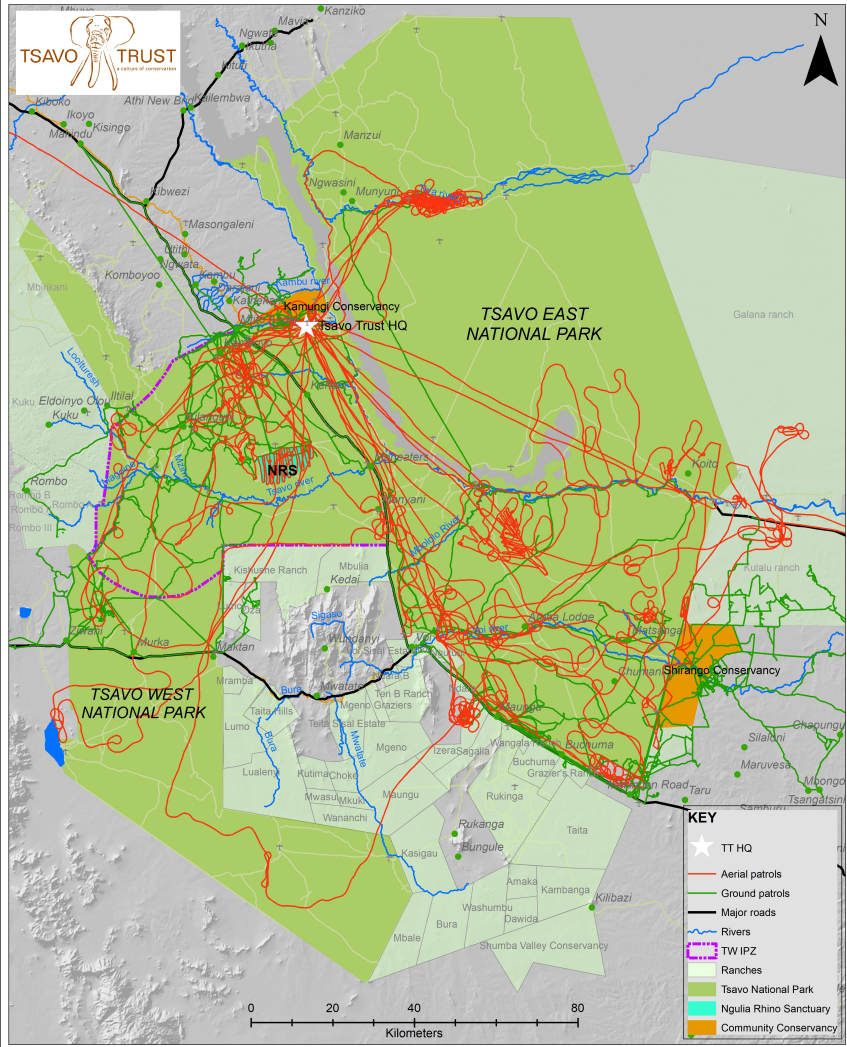
WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial & Ground Activities</i>					
Activity		Hours Flown		Kilometers Covered	
	Aerial Unit	51 (436 for year) Average 133km p/h of low-level flight		7,850 (57,989km for year) Flights carried out jointly with KWS staff	
	Rhino Aerial Patrols	Aerial Patrols: 19 (6 TWNP; 2 TENP) (186hrs for year to date)		Aerial: 2,038 (21,090km for year)	
		Field Patrol Days		Kilometers Covered	
Ground Protection Activities (Joint with KWS / TT & Community Scouts)		Protection teams: 186 days (1,58 to date) Monitoring teams: 46 days (439 to date)		Vehicle patrols: 17,232km (141,120km to date) Foot patrols: 1,248km (8,567km to date) Monitoring teams: 6,024km (54,080km to date)	
	Big Tusker Project	12 Tuskers - 3 Super Tusker bulls (10 sights), 8 emerging bulls (12 sights), 1 cow Tusker (2 sights): 24 individual observations			
Collared Elephant Sightings: Joint KWS/STE/TT program		8 sightings: record forms submitted to STE (aerial and ground observations)			
Ivory recovered		20 elephant tusks (87 for the year to date)			
Elephant mortality		Fresh: 6 (Less than 3 weeks old) (c of d: 3 HEC; 2 unknown; 1 natural)	Recent: 0 (Less than 3 months old)	Old: 1 (More than 3 months old) (c of d: natural)	
High Value Species Monitoring		Ongoing partner with WRTI / KWS TCA Research: Monitoring Hirola, Grevy's zebra, large carnivores, Roadkill Surveys, Southern Ground Hornbill etc			
Wildlife - Treatment & Translocation		Venomous snakes re-located from communities: 2 Red Spitting Cobras and 1 Black Mamba Others: Nil			
Poacher camps/hides		Fresh – 1 (10 to date)		Recent – Nil (3 to date)	
Arrests – joint KWS/TT		16 – 1 trophy dealer; 5 bushmeat poachers and 10 illegal herders (290 for the year to date)			
Snares/traps recovered		193 by Tembo Teams: 1,076 snares for the year to date (133 small; 59 medium; 1 large)			
Bushmeat recoveries (wet & dried)		39kg (1,440kg for the year to date) 13 Dik-diks			
Poachers Equip. Recvd.		2 machetes; 1 knives; 1 spear; 3 torches; 3 lamping horns; 2 bicycles; weighing scale			
Night Ambushes		Joint KWS / TT: 16 (Kizingo; Murondo; Dakota; Ziواني; Dika; Mangelete; Bondeni; Dabaso)			
Firefighting		Nil - (No Fire outbreaks reported as of recent)			
Human Elephant Conflict		Joint TT-KWS team: 12 elephants driven from farmlands east of Mtito Andei 1 elephant eliminated after killing a boy and injuring his mother. 2 other elephants killed in retaliation by the Rombo local community who border TWNP on the western side.			
Illegal Livestock (only in PA)		9 active cattle bomas (3,450 cattle; 1,130 shoats; 1 donkey; 20 people)			
Written reports to KWS		78 (daily Situation reports, various communications & 1 monthly report)			
TT Staff Training activities		2 TT Officers Masters training; 2 KWS Officer Masters training; 1 TT Officer Bachelors training; 6 Kamungi youth certificate training in Hotel Management.			
TT HQ Rainfall figures		Nil. Total rainfall to date for 2023: 127mm			
Significant notes	1/8/2023: Handover of new officers' houses and Ranger barracks at Maktau built through CITES/MIKE support. 4/8/2023: Deliberations between KWS, WRTI, and Tsavo Trust on Destocking Ngulia Rhino Sanctuary and Upgrading the TW IPZ. The meeting was held at Kilaguni, Tsavo West National Park. 10/8/2023: TCA Stakeholders meeting with KWS Director General and other KWS officers at TCA HQ boardroom. The meeting aim was to determine areas of collaboration between KWS and its conservation partners.				
COMMUNITY CONSERVANCY PROGRAM:					
	Kamungi Conservancy ➤ <i>Located: Northern boundary TWNP Triangle</i> ➤ <i>TT has played a stewardship role and partnered with KC since 2014</i>		Shirango Community Conservancy ➤ <i>Located: Southeast boundary TENP</i> ➤ <i>TT has played a stewardship role and partnered with SCC since 2016</i>		
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 AUGUST, 2023



*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:** 51 hours flown covering 7,850 kilometers over Tsavo in support of KWS.*

***Ground:** 1,248 kilometers of foot patrol and a further 23,256 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:** The photo shows Makueni County Governor Hon. Mutula Kilonzo Jr, The Safaricom Foundation Chairman Mr. Joseph Ogutu and Tsavo Trust's Chief Community Officer Mr. Nicholas Njogu during the handover of the Kyusiani Secondary Science and Computer laboratories built through the support and collaboration of Safaricom Foundation, ARES NGO and Tsavo Trust. Photo Credit: Makueni County Government.*



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, providing 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	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 Illegal herder	4	25 5 small 19 medium 1 large	3 kg 1 Dik-dik	1 bicycle, 1 panga, 1 knife, 1 lamping horn, 1 torch, cooking pot	1 Active	-	2,921	427
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	-	-	-	-	-	-	-	2,536	121
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	31	3 2 Bushmeat poachers 1 ivory dealer	14	9 All small	30 kg 10 Dik-dik	3 torches, 1 bicycle, 1 lamping horn, weighing scale.	-	1 1 HEC A boy killed and his mother injured.	2,940	118
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	31	1 Illegal herder	-	-	-	-	-	-	3,607	212
Tembo 9 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	31	10 9 illegal herders and 1 bushmeat poacher	-	58 26 small 32 medium	3 kg 1 Dik-dik	1 spear, 1 panga, 1 lamping horn, 1 torch, solar panel	-	-	3,460	165
Kamungi Scouts 4 Scouts	31	1 Bushmeat poacher	-	101 93 small 8 medium	3 kg Dik-dik	-	-	4 4 HEC 12 elephants driven from farms by KWS/TT team	1,768	205
TOTALS	186	16	18	193	39kg	As above	1	5	17,232	1,248
Total 2023	1,458	290	54	1,076	1,440 kg	-	13	90	141,120	8,567

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) 	15	-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 – 7 sightings -Hirola – 1 sighting -Grevy's Zebra – Nil -Large Carnivores – 17 sightings -Ground Hornbill – 4 sightings -Road & Rail kills – Nil -Elephant carcasses – 1 - Ivory recovered. – Nil - Collared elephants – Nil - Black rhino - 1	Tsavo East Nat. Park – mainly southern, central, and eastern sections including, Voi River & Shirango Conservancy	2,495
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 – 26 -Tuskers - Nil -Large Carnivores –10 sightings -Collared elephants – 1 -Elephant carcasses – Nil - Ivory recovered. – Nil -NRS Rhino night census – 136	Tsavo West Nat. Park – IPZ and Triangle	3,529
TOTALS	46	As above	As above	As above	6,024
Total 2023	439	-	-	-	54,080

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 Makueni 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-County; 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	12 community meetings held. ➤ 08/08/2023. Handing over ceremony of Kyusiani Secondary School Science and Computer laboratories. ➤ 11/08/2023. Social Assessment for Protected Areas (SAPA) progress review workshop on Kamungi Conservancy. ➤ 22/08/2023. 12 day training on energy saving cooking stoves for 10 Kamungi youth. The trained youth will build 200 energy saving cooking stoves in Kamungi Conservancy. ➤ 24-25/08/2023. Conservation stakeholders workshop on HWC held at TWNP Education Centre. ➤ 26/08/2023. Kamungi Conservancy members monthly meeting held at Ngiluni Water tank.	3 community meetings held. ➤ 08/08/2023. Stakeholders' engagement forum held at DCC's Office, Ganze. ➤ 08/08/2023. A meeting between the DCC Ganze and Shirango Conservancy regarding the various projects implemented by the conservancy and the challenges faced. ➤ 14/08/2023. Tsavo Trust's Chief Community Officer and Shirango Conservancy Manager met with the Ganze Deputy County Commissioner regarding challenges with implementing projects in Shirango.
Membership	Through a registered CBO KC membership represents 385 families & over 3,850 individuals from 13 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	97,940 litres of water issued. (576,230 litres for the 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	124 patients attended (2,238 for the year to date).	There is a need to support this project
Constructions	KC additional scouts & office units to commence soon. Works for the Kamungi bandas in progress.	SCC additional scouts & office units to commence soon
Education	Paid for 2 teachers (1-Ngiluni & 1-Kamunyu School in KC) for the last 9 years. Ongoing. 6 youth certificate training in hotel management	None at present
Bursary Scheme	Started on April 22 9 needy students selected being supported.	None at present
Village Saving & Loan Associations – VSLA's	5 women-run VSLAs are in progress: In 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, Climate Smart Agriculture, permaculture	Climate Smart agriculture by KALRO.
HWC Mitigation	7 x 1-acre bee fences, total 105 beehives with 6 currently occupied.	N/A yet
10% Fence Plan	10% fence plan completed Phase 2 completed: Total 16 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	Delivery of materials for the construction of the 10% fence plans. 4 10% fence plans were constructed bringing the total to 8 10% fence pans in Shirango.
Predator Proof bomas	10 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)	36 cases recorded: 23 elephant; 6 lion; 5 leopard and 2 snake-related incidents.	4 cases of Human Threat by Elephants recorded.
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 Photo of the Month:



The photo above shows great white pelicans in Tsavo West National Park. Though there are no records of the species breeding in the Tsavo Conservation Area, the Tsavos provide a great “rest stop” for these migratory birds protected under the Agreement on the Conservation of African-Eurasian Migratory Waterbirds. Photo credit Tsavo Trust – Nick Haller.

Wildlife Ranger Challenge (WRC) 2023

WRC is the world’s largest celebration of solidarity, support, and fundraising, supporting more than 10,000 rangers in 23 countries since its inception. On 16th September this year, Tsavo Trust Rangers will be among more than 100 Ranger Teams completing a coordinated 21 km race in Protected Areas where the rangers work. To find out more and support our team please follow the link below.

<https://wildlife.rangerchallenge.org/campaigns/tsavo-trust-2023>

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); WildLandscapes International; 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; 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; Alex Hunter; John Carr; Anthony Cheffings; Chris Acreman and numerous other dedicated enthusiasts.

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

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