



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>

JUNE 2023 MONTHLY REPORT



The photo above shows Black Rhino cow and calf taken during a rhino monitoring aerial patrol in Tsavo East National Park. Joining efforts to boost the population of the red-listed black rhinoceros, Tsavo Trust supports the Kenya Wildlife Service and the Wildlife Research Training Institute in the monitoring and protection of the rhinos in the Tsavo Conservation Area. Photo Credit: Tsavo Trust – Nick Haller.



WILDLIFE CONSERVATION PROGRAM: *Big Tusker Project – Aerial & Ground Activities*

Activity	Hours Flown	Kilometers Covered
 Aerial Unit	66 (320 for year) Average 129km p/h of low-level flight	9,384 (41,167km for year) Flights carried out jointly with KWS staff
 Rhino Aerial Patrols	Aerial Patrols: 28 (8 TWNP; 2 TENP) (144hrs for year to date)	Aerial: 3,327 (16,511km for year)
	Field Patrol Days	Kilometers Covered
Ground Protection Activities (Joint with KWS / TT & Community Scouts)	Protection teams: 180 days (1086 to date) Monitoring teams: 56 days (331 to date)	Vehicle patrols: 17,156km (105,398km to date) Foot patrols: 1,217km (6,132km to date) Monitoring teams: 5,266km (41,635km to date)
 Big Tusker Project	10 Tuskers - 2 Super Tusker bulls (5 sights), 7 emerging bulls (21 sights), 1 cow Tusker (3 sights): 29 individual observations	
Collared Elephant Sightings: Joint KWS/STE/TT program	13 sightings: record forms submitted to STE (aerial and ground observations)	
Ivory recovered	5 elephant tusks (57 for the year to date)	
Elephant mortality	Fresh: 2 (Less than 3 weeks old) (c of d: both natural)	Recent: Nil (Less than 3 months old)
		Old: 3 (More than 3 months old) (c of d: 1 natural; 2 unknowns)
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: Nil Others: Nil	
Poacher camps/hides	Fresh – 2 (8 to date)	Recent – Nil (3 to date)
Arrests – joint KWS/TT	24 – 4 bushmeat poachers; 5 illegal herders; 12 illegal entry and 3 for charcoaling (245 for the year to date)	
Snares/traps recovered	97 by Tembo Teams: 737 snares for the year to date (556 small; 161 medium; 20 large)	
Bushmeat recoveries (wet & dried)	69kg (1,207kg for the year to date) 30 Dik-dik and 1 Aardvark (ant-eater)	
Poachers Equip. Recvd.	3 machetes; 3 knives; 1 torch; 15 jerricans; cooking equipment; a sack of charcoal and a spade.	
Night Ambushes	Joint KWS / TT: 14 (Manda; Voi river; Shirango; Ndolwa; Kishushu; Triangle; Kulalu R; Giriama R)	
Firefighting	Nil - (No Fire outbreaks reported as of recent)	
Human Elephant Conflict	Joint TT-KWS team: 24 elephants driven from farmlands east of Mito Andei Over 400 elephants driven from settlements & farmlands in Shirango and adjacent areas	
Illegal Livestock (only in PA)	11 active cattle boma (10,490 cows; 2,670 shoats; 2 dogs; 7 people)	
Written reports to KWS	82 (daily Situation reports, various communications & 1 monthly report)	
TT Staff Training activities	2 TT Officers Masters training; 1 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

- 02/06/2023. Tsavo Trust's Chief Executive Officer and Chief Community Officer honored an invite from the Governor of Maukeni County Government at his office in Wote. They deliberated on areas where the county can partner with Tsavo Trust including conservation, tourism, education, health, food security, water, and so much more.
- 27/06/2023. Kilifi County Commissioner, his team, and local community representatives from Shirango Conservancy had an exposure visit to Kamungi Conservancy in Makueni County were received by DCC Kibwezi East, his team and hosted by Tsavo Trust and Kamungi leadership.

COMMUNITY CONSERVANCY PROGRAM:

 <p>Kamungi Conservancy ➤ Located: Northern boundary TWNP Triangle ➤ TT has played a stewardship role and partnered with KC since 2014</p>	 <p>Shirango Community Conservancy ➤ Located: Southeast boundary TENP ➤ TT has played a stewardship role and partnered with SCC since 2016</p>
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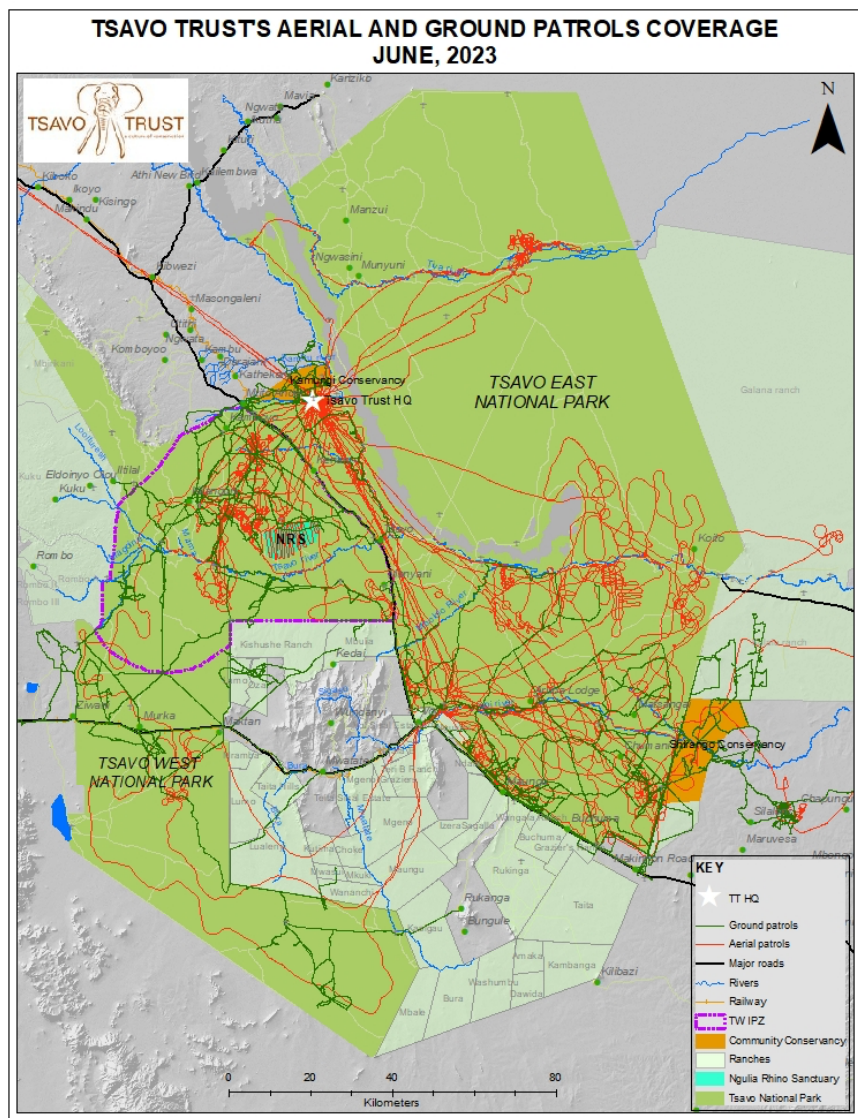
FORMAL FIELD CONSERVATION PARTNERS PROGRAM: (Full list of supporters/partners shown on last page)





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.



*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:** 66 hours flown covering 9,384 kilometers over Tsavo in support of KWS.*

***Ground:** 1,217 kilometers of foot patrol and a further 22,422 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 the Makueni County Governor H.E Mutula Kilonzo Jr presenting the Makueni County flag to Tsavo Trust Chief Executive Officer Richard Moller. Tsavo Trust had been invited by the Governor to explore partnership opportunities between the two organizations. Photo Credit: The 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	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	-	-	10 All targeting small game	-	-	-	7 HEC 400+ elephants driven	2,994	452
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	30	-	5	-	-	-	-	-	2,141	103
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	30	15 2 bushmeat poachers; 2 illegal herders; 11 for illegal entry in PA.	-	-	16 kg 8 Dik-diks	1 lamping horn; 1 torch; 1 knife	-	-	3,486	203
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	30	-	-	-	-	-	-	-	2,203	113
Tembo 9 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	30	5 1 bushmeat poacher; 3 illegal herders; 1 for illegal entry in PA.	-	59 All targeting small game	53 kg 24 Dik-dik & 1 anteater	3 machetes; 1 lamping horn; 2 knives; cooking equip; 13 jerricans	2 Active	-	4,363	152
Kamungi Scouts 4 Scouts	3	4 1 bushmeat poacher; 3 for charcoaling	-	28 26 small game snares & 2 bird traps	-	1 sack full of charcoal; 1 spade; 2 jerricans	-	10 9 HEC 1 HCC 24 elephants driven from farms	1,969	194
TOTALS	180	24	5	97	69kg	As above	6	17	17,156	1,217
Total 2023	1,086	245	30	737	1,207 kg	-	12	82	105,398	6,132

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) 	26	-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 – 9 sightings -Hirola – 12 sightings -Grevy's Zebra – Nil -Large Carnivores – 19 sightings -Ground Hornbill – 9 sightings -Road & Rail kills – 1 -Elephant carcasses – Nil -Ivory recovered. – Nil -Collared elephants – 3 -Carnivore scat collected - Nil	Tsavo East Nat. Park – mainly southern, central, and eastern sections including, Voi River & Shirango Conservancy	3,042
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 – 31 -Tuskers - Nil -Large Carnivores – 2 sighting -Collared elephants – Nil -Elephant carcasses – Nil - Ivory recovered. – Nil -NRS Rhino night census – N/A	Tsavo West Nat. Park – IPZ and Triangle	2,224
TOTALS	56	As above	As above	As above	5,266
Total 2023	331	-	-	-	41,635

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	<ul style="list-style-type: none"> ➤ 17 community meetings held. ➤ 02/06/2023. TT's CEO and CCO honored an invite from the Governor of Makeni at his office in Wote. They deliberated on areas where the county can partner with TT including livelihoods and welfare of the Kamungi community. ➤ 02/02/2023. Conservation-focused peer-to-peer learning workshop among 60 youth. ➤ 13/06/2023. Bushmeat sensitization workshop held at the Ngiluni water tank by KWS. ➤ 14/06/2023. Marie's family donation of assorted stationery and games kits at the Ngiluni Primary School. ➤ 27/06/2023. Kamungi Conservancy hosted the Shirango Conservancy for a benchmarking visit. 	6 community meetings held. <ul style="list-style-type: none"> ➤ 08/06/2023. Meeting to understand the Shirango Conservancy challenges and their interventions under the Sustainable Management of Amboseli and Tsavo Ecosystems. ➤ 16/06/2023. Meeting with the Kilifi County Commissioner on projects implementation at Shirango Conservancy. ➤ 22/06/2023. A ground reconnaissance in Shirango Conservancy to determine its viability for a climate action project in the area. ➤ 27/06/2023. Kilifi County Commissioner, his team, and local community representatives from Shirango Conservancy had an exposure visit to Kamungi Conservancy in Makeni County were received by DCC Kibwezi East, his team, and hosted by Tsavo Trust and Kamungi leadership.
Membership	Through a registered CBO KC membership represents 385 families & over 3,850 individuals from 4 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	92,180 litres of water issued. (431,140 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	328 patients attended (1,720 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 9 currently occupied.	N/A yet
Elephant Bee Fence	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	8 beneficiaries of the 10% fence plan have already been identified.
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)	12 cases recorded: 5 elephant; 5 lion and 2 snake-related incidents.	11 cases were recorded: All human elephant conflicts.
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 elephants in a maze of vegetation along the seasonal Tiva River in Tsavo East National Park. Tsavo is vast, hosting varied habitats with wildlife seasonally roaming great distances in search of the best forage and water. Both clicked the same month, this photo showing lush vegetation contrasts with one on page 1. 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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