



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

MAY 2022 MONTHLY REPORT



20th May 2022, photo (Nick Haller) shows one of the Tsavo Super Tuskers Coded as LU1.

SUMMARY of ACTIVITIES:

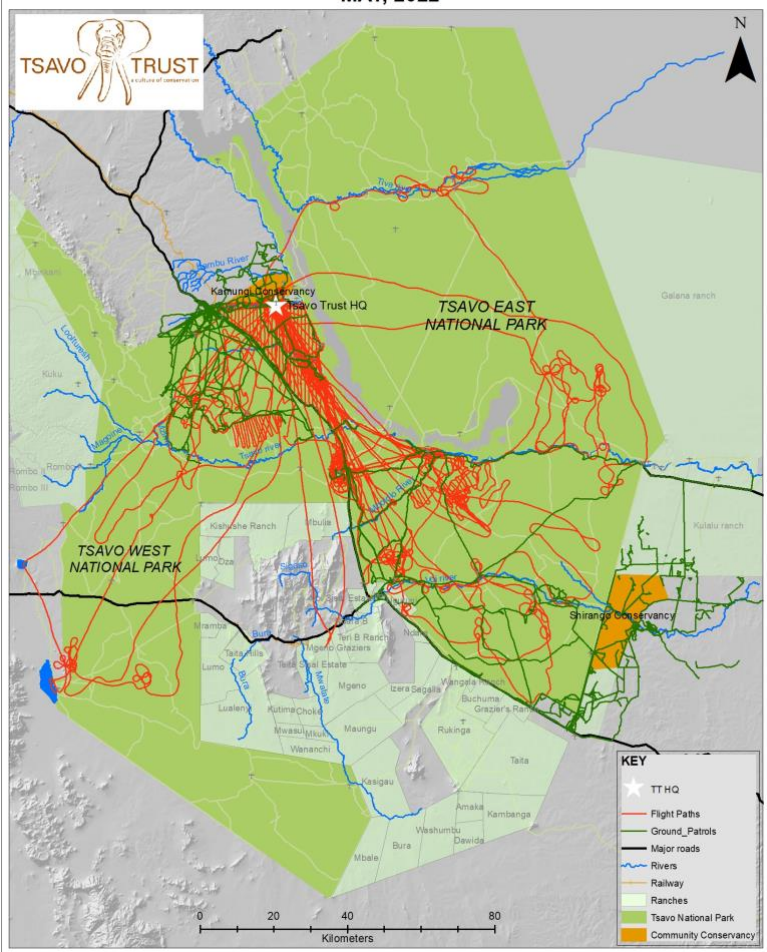
WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial & Ground Activities</i>		
Activity	Hours Flown	Kilometers Covered
 Aerial Unit	61 (272 for year) Average 115km p/h of low-level flight	7,001 (31,395km for year) Flights carried out jointly with KWS staff
 Rhino Aerial Patrols	Aerial Patrols: 13.8 (6 TWNP; 1 TENP) (82.8hrs for year to date)	Aerial: 1,990 (9,989km for year)
	Field Patrol Days	Kilometers Covered
Ground Protection Activities (Joint with KWS / TT & Community Scouts)	Protection teams: 155 days (709 to date) Monitoring teams: 54 days (275 to date)	Vehicle patrols: 9,724km (47,090km to date) Foot patrols: 842km (4,394km to date) Monitoring teams: 6,583km (36,204km to date)
 Big Tusker Project	9 Tuskers - 1 Super Tusker bulls (10 sights), 7 emerging bulls (16 sights), 1 cow Tusker (2 sights): 28 individual observations	
Collared Elephant Sightings: Joint KWS/STE/TT program	15 sightings: record forms submitted to STE (aerial and ground observations)	
Ivory recovered	2 elephant tusks (16 for year to date)	
Elephant mortality	Fresh: 2 (c of d: 1 natural, 1 poached) (Less than 3 weeks old)	Recent: 1 (c of d: unknown) (Less than 3 months old)
High Value Species Monitoring	Ongoing partner with KWS TCA Research under WRTI: Monitoring Hirola, Grevy's zebra, large carnivores, Roadkill Surveys, Southern Ground Hornbill etc	
Wildlife - Treatment & Translocation	Venomous snakes re-located from communities: 1 Red spitting cobra; 2 Puff adder; 1 R. python Others: Nil	
Poacher camps/hides	Fresh – Nil (6 to date)	Recent – Nil (1 to date)
Arrests – joint KWS/TT	3 – 2 illegal herders in TENP; 1Bushmeat poacher in TWNP (29 for year to date)	
Snares/traps recovered	265 by Tembo Teams: 466 snares to date 2022 (396 small; 47 medium, 23 large)	
Bushmeat recoveries (wet & dried)	446kg (931kg for year to date) 1 Buffalo; 1 L/Kudu; 6 Dik-dik	
Poachers Equip. Recvd.	1 Motorbike; 2 lamping horns; 1 saw and 1 knife.	
Night Ambushes	Joint KWS / TT: 10 (3 Dakota R; 2 Giriama R; 1 KMC R; 1 Mtito River; 1 Mangelete; 1 Subati; 1 Bondeni)	
Firefighting	Nil	
Human Elephant Conflict	Joint TT-KWS team: 24 elephants driven from farmlands east of Mtito Andei (24 elephants pushed from farms – May22 compared to 274 in Apr21 = 92% reduction following TT fence)	
Illegal Livestock (only in PA)	1 active cattle boma (3,038 cows; 23 shoats; Nil donkey; 13 people)	
Written reports to KWS	78 (daily Situation reports, various communications & 1 monthly report)	
TT Staff Training activities	2 TT Officers Masters training; aircraft pilot training; 2 KWS Officer GIS training; HWC community training; Maliasili – African Conservation Leadership Course	
TT HQ Rainfall figures	2mm. Total rainfall to date for 2022: 77mm	
Significant notes	- Makueni Development Trust (MADET): Since January 2022 Tsavo Trust was chosen to support and help operationalize MADET with seed funding from USAid through the Aga Khan Foundation (EA) – Yetu Initiative. This is a key development project for Makueni County. - Kamungi Conservancy and Shirango Community Conservancy represented during the Kenya Wildlife Conservancies Association (KWCA) annual general meeting held at the Kenya Commercial Bank (KCB) Leadership Centre, Karen Nairobi.	
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 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
MAY, 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:** 61 hours flown covering 7,001 kilometers over Tsavo in support of KWS.*

***Ground:** 842 kilometers of foot patrol and a further 16,307 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.*

***Right:** 30th May 2022: Photo shows an Earth dam under construction in Shirango, Gede. The area is arid and remote, marginalized from development projects. After its completion, the Earth dam will hold rainwater and sustain the local communities during the dry seasons.*



***Left:** 27th May 2022: Photo shows brand-new boat deployed in Lake Jipe – TWNP Southern Sector under the CITES/MIKE program.*

Lake Jipe is bisected by the international border between Tanzania and Kenya and is prone to illegal fishing activities as well as Transboundary poaching incursions.

The deployed boat and engine will enhance KWS waterborne patrols that will further improve cross-border security and combat illegal fishing and poaching activities. KWS security personnel's and boat coxswain's skills in conducting waterborne patrols will also be upgraded.



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	-	-	47 22 small 15 medium 10 large	27 kg 1 Lesser kudu 5 Dik diks	1 motorbike 2 lamping horns.	-	1 HEC 20 elephants driven from farms by KWS/TT Team	2,830	182
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	-	2	172 149 small 4 medium 19 bird traps	4kg Dik dik (snared)	-	-	5 HEC 20 elephants driven from farms at night by TT/KWS Team	2,200	192
Tembo 5 (TWNP) 6 TT Scouts + 3 KWS Rangers	31	1 Bushmeat Poacher	-	5 2 small 1 medium 2 large	415kg 1 Buffalo	1 knife 1 saw 1 spotlight	-	4 HEC 4 elephants driven from farms at night by TT/KWS Team	2,288	155
Tembo 7 (Kulalu/TENP) 5 TT Scouts + 3 KWS Rangers	31	2 Illegal herders	-	-	-	-	-	-	2,376	124
Kamungi Scouts 4 Scouts	31	-	-	41 38 small 1 medium 2 bird trap	-	-	-	-	30	189
TOTALS	155	3	2	265	446kg	As above	Nil	10	9,724	842
Total 2021	709	29	10	466	931kg	-	7	30	47,090	4,394

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) 	23	-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 – 15 sighting -Hirola – 5 -Grevy's Zebra – Nil -Large Carnivores – 15 Ground Hornbill - 4 -Road & Rail kills – Nil -Elephant carcasses – Nil -Ivory recvd. – Nil -Rain gauge readings -Collared elephants – 4 Carnivore scat collect – 0	Tsavo East Nat. Park – mainly southern, central and eastern sections including, Voi River & Shirango Conservancy	2,783
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 – 19 -Tuskers - 0 -Large Carnivores – 4 -Collared elephants – Nil -Elephant carcasses – Nil -NRS Rhino night census – N/A	Tsavo West Nat. Park – IPZ and Triangle	3,800
TOTALS	54	As above	As above	As above	6,583
Total 2022	275	-	-	-	36,204

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-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	13 community meetings held ➤ Mtito Fence meeting: GMC, TT/Kamungi, KWS, ZSL – HWC ➤ KWCA Annual General Meeting ➤ Makueni Dev. Trust ➤ Kamungi Monthly Meeting 26/05/22 ➤ VSLA livelihoods meetings ➤ KWS quarterly community outreach ➤ Human Carnivore Conflict Mitigation ➤ Mtito Stakeholders quarterly meeting ➤ Mtito Andei's Chief monthly meeting	2 community meetings held ➤ Earth dam construction for water - ongoing ➤ Chiefs Office baraza re Land Management Committee & registration – ongoing ➤ KWCA Annual General Meeting
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	103,710 litres of water issued. (352,410 litres for year to date) Piped water to Ngiluni school now	Bore hole, pump and solar panels are in place, but saline water. Construction of an earth dam underway.
Basic Health care	306 patients attended (995 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 Construction of an Earth dam ongoing
Education	Paid for 2 teachers (1-Ngiluni & 1-Kamunyu School in KC) for the last 9 years. Ongoing.	None at present
Bursary Scheme	Started in April22 5 needy students selected supported through	None at present
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	None at present
Training	VSLA livelihoods, HWC mitigation	Scouts trained on GPS use & data collection
HWC Mitigation	7 x 1-acre bee fences, total 105 beehives with 10 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)	30 cases recorded: 29 elephant; 1 poisonous snake.	10 cases recorded: 4 lion; 4 hyena; 1 Cheetah; 1 elephant
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.
Wildlife Census Transects	1	None
Operations and Security	➤ See Field Units table above	➤ See Field Units table above

Unusual Photo of the Month:



28th May 2022: The above photo was taken by Christine Mwende of Tsavo Trust's Tembo 2 Monitoring Team near Satao - Tsavo East National Park. Tsavo male lions are known to be maneless or with scanty mane unlike the one with full mane in the above photo.

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; Leopardess Foundation; JM Foundation Africa; Cheyenne Mountain Zoo; Save The Elephants (STE); 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; 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; 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; 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 enthusiasts.

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

All photographs ©Tsavo Trust 2022