

SUMMARY - AERIAL & GROUND ACTIVITIES (“Big Tusker Project”):

Activity	Hours Flown	Kilometers Covered
Aerial Reconnaissance	94.5 (579.5 for year) Average 116km p/h of low-level flight	11,095 (67,256km for year) Flights carried out jointly with KWS staff
	Field Patrol Days	Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 93 days (671 to date) Monitoring teams: 37 days (379 to date)	Protection teams: 10,182 km (71,002 to date) Monitoring teams: 5,247 km (48,490 to date)
	No. Observed	
Big “Tuskers”	15 Tuskers - 4 Super Tusker bulls, 8 emerging bulls, 3 cow Tuskers = 35 individual observations	
	No. Recovered	
Ivory recovered	4 elephant tusks (43 for year to date)	
Elephant carcasses	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	3 – (c of d: 1 poached, 2 natural)	Nil (c of d: nil)
Poacher camps/hides	Fresh - 1	Recent - Nil
Arrests	6 – by KWS / TT – (1 bushmeat, 5 illegal grazer - 39 to date 2019) Bushmeat: 130kg bushmeat recovered	
Snares/traps recovered	65 by Tembo Teams – (458 for year to date)	
Support to KWS-armed incidents	Nil	
Illegal Livestock (only in PA)	2 cattle bomas (9,500 + cows, 5,700 shoats, 23 people, 1 poisoned lion)	
Written reports to KWS	74 (daily Situation reports, various communications & 1 monthly report)	
General & significant notes	<ul style="list-style-type: none"> • Partner to KWS to assist in implementation of the TCA Management Plan 2019 – 2029 • Partner to KWS & ZSL in the Tsavo’s in line with KWS Rhino Strategy – RII Project 	

Photo shows one of Tsavo’s true iconic Tuskers coded BAI on 7th August 2019. Believe it or not, BAI is very similar in terms of ivory size and weight of the World-famous Tusker called “Ahmed” of Marsabit in the 1970’s. Tsavo arguably holds the “lions share” of the last remaining true Tuskers left on the planet?



WILDLIFE CONSERVATION PROGRAM:

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

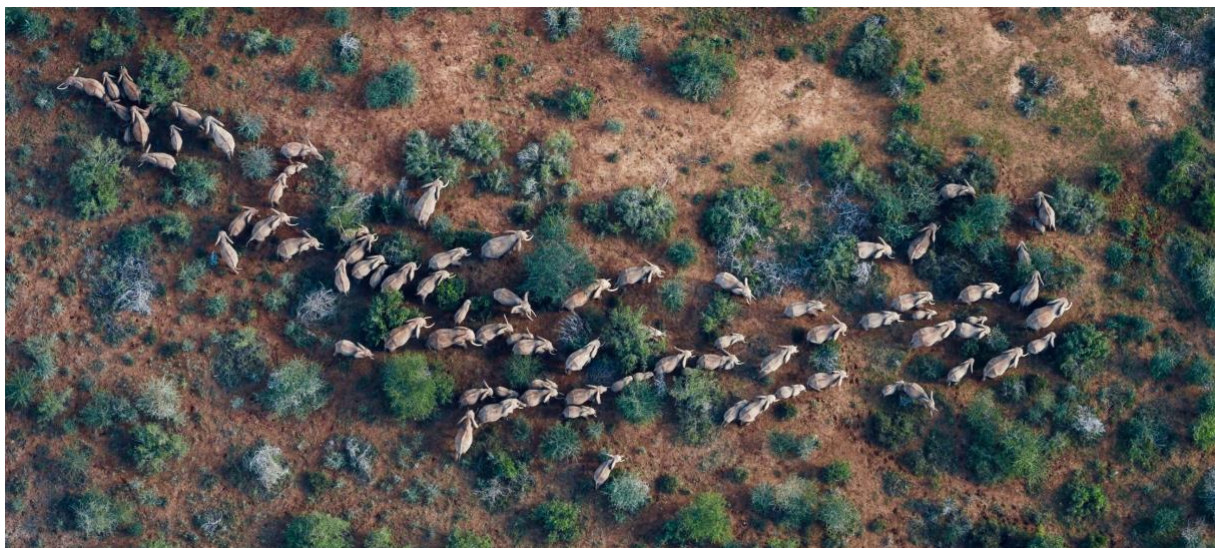
Tsavo Trust’s Big Tusker Project (BTP) recorded the following details in the BTP database:

- Total of **15** different individual Tusker’s were observed from ground and air coverage.
- 4 bull Super Tuskers – 14 different sightings.
- 8 Emerging bull Tuskers – 18 sightings.
- 3 Iconic cow Tuskers – 3 sightings.
- **Total sightings – 35**
- **Weather conditions:** TT HQ rainfall: **Nil**. Total rainfall at Tsavo Trust HQ to date: **46.5mm**.
- **Elephant mortality: 3 carcasses located (3 fresh):** C of D – 1 poached, 2 natural.
- **Elephant treatment: Nil**
- **Rhino security:** Regular aerial reces with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL. 9 rhino specific reces resulting in 2,983km flown over 25.5 hrs (7 TW & 2 TE).
- **Hirola monitoring:** Ongoing key stakeholder with KWS in line with Hirola Recovery Strategy.
- **Collared Elephant:** Ongoing – 25 observations (ground and air) by joint KWS / TT teams.
- **Carnivore monitoring:** Ongoing partner to KWS TCA Research for carnivore monitoring.
- **Invasive Plants:** Ongoing mapping and monitoring of Opuntia cactus – TENP.
- **Critically Endangered Raptor monitoring:** Ongoing.

Table 1: Shows “Tusker” code, number of times observed during month and brief remarks.

Tusker Code	No. Times Seen / Month	Brief Remarks
BULLS		
LU1	2	In good health, back to his regular dry season range
WS1	7	Back inside Park, but venturing out overnight for food
BA1	2	Settled back to his original dry season range
IL1	3	Normal location
TA1	2	Back to original location
BL1	1	Normal location
TS1	2	Normal location
VO1	4	Same location
KI1	4	Back to normal location
CH1	2	Normal location
MG1	2	Back to original dry season range
FH1	1	Normal location
COWS		
F-DH1	1	Normal location
F-SG1	1	Normal location
F-EM1	1	Normal location
TOTAL	12 bulls & 3 cows: 35 different sightings	
<i>Close working relationship between KWS and Tsavo Trust (aerial and ground units) is without doubt adding to elephant security / safety of the big Tuskers and other elephants in Tsavo through meaningful and joint teamwork.</i>		

Photo, courtesy of Goh Irimoto, of a herd of 87 elephants on the TENP boundary with Shirango Conservancy



Aerial Reconnaissance - Areas Covered:

- This vital conservation tool provides “*eyes in the skies*” over Tsavo and directional guidance to ground units.
- All flight paths are logged and recorded with all relevant real-time observations relayed to KWS on a daily basis for their records as well as necessary rapid reaction.

Map below shows Tsavo Trust’s flight paths over the TCA in August 2019. 94.5 hours flown covering 11,095 kilometers over Tsavo in support of KWS: Air & ground activities; Big Tusker monitoring; Locating illegal activities; Wildlife monitoring; Aerial census and tracking.

Note: From the 11,095 hours of flight in August; 30 of these hours were carried out for flight training for the new Tsavo Trust pilot and not reflected in the map below.

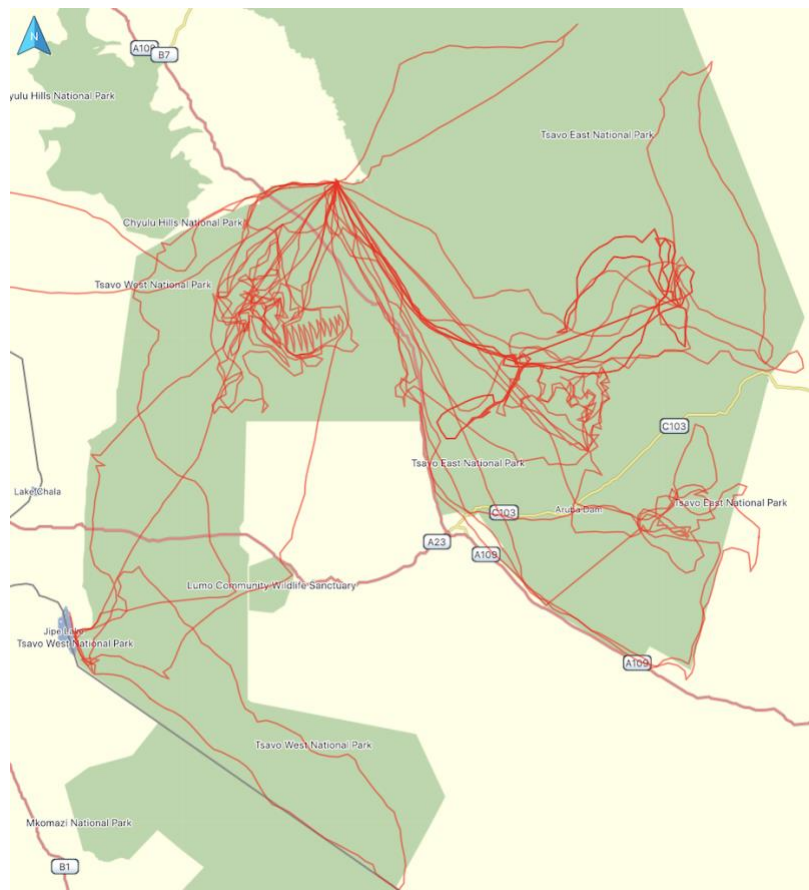


Photo shows an arrested bushmeat poacher with 15 freshly poached Dikdiks, 3 poisoned arrows and 1 bow on 22nd August 2019 on the boundary of Shirango Conservancy and ADC Kulalu Ranch.



Field Mobile Units:

Tsavo Trust's mobile field teams work alongside KWS, who take the lead role, on a daily basis. **Tembo 1, 3, 5 teams & Kamungi Scouts** are habitat protection / de-snaring focused whilst **Tembo 2 & 4 teams** are wildlife monitoring based. All teams provide further "eyes and ears on the ground".

Habitat Protection / De-snaring teams:

Table 7: Shows outcomes from field activities from Tembo 1, 3, 5 & Kamungi Scouts teams:

De-snaring teams	No. Field days	No. Arrest	No. Ivory recvd.	No. Snare recvd.	Bushmeat recvd.	Poachers equip. recvd.	No. Poacher camps	No. HWC Cases	Vehicle mileage km
Tembo 1 (TENP) (6 TT Scouts + 3 KWS Rangers)	31	2 2 illegal livestock herders	2	25 All for small game	100kg Smoked bushmeat believed to be Eland	2 pangas, 3 bicycles, 3 horns	Nil	Nil	3,534
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	3 3 illegal livestock herders	Nil	6 All for small game	Nil	Nil	1 Fresh	Nil	4,099
Tembo 5 / Kamungi (TWNP) 14 TT Scouts + 3 KWS Rangers	31	1 1 bushmeat poacher	Nil	34 33 for small game, 1 medium	30kg 15 Dikdiks	3 p/arrows, 1 horn, 1 spotlight, 1 knife, 1 bow	Nil	Nil	2,549
TOTALS	93	6	2	65	130kg	As above	1	1	10,182
Total 2019	671	39	17	458	332kg	-	17	8	71,002

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)	24	-Tusker monitoring -Hirola monitoring -Grevy's zebra monitoring -Carnivore monitoring -Carnivore scat collection for analysis – hair content -Mombasa/Nairobi - Road & SGR kill surveys -Camera trap surveys -Fixed point photos -Collared elephant reporting	-Tuskers – 12 sighting -Hirola – 25 -Grevy's Zebra – 7 -Large Carnivores – Lion 8, Leopard 1, spotted hyena 1 -Road & Rail kills – 1 -Elephant carcasses – 1 -Rain gauge readings -Collared elephants – 8 Carnivore scat collect - 5	TENP, Ndololo, Kandechea, Kanderi, Aruba, Satao, Mukuaju, Voi, Kono Moju, Dida Harea, Ndara, Ngutuni, Dika plains, Bachuma, Dakota, Msa – Nbi road between Voi & Bachuma, KMC Ranch, Kuple Nek, Manyani, Irima, Mudanda, Ndii	3,633
Tembo 4 (TWNP) (2 TT staff + 2 KWS)	13	-Tusker monitoring -Rhino monitoring in IPZ -Carnivore monitoring -Mombasa/Nairobi - Road & SGR kill surveys -Rainfall data collection -Camera trap surveys -Fixed point photos -Collared elephant reporting	-Tuskers – 9 sighting -Rhino monitoring IPZ -NRS night census – 97 -Large Carnivores – Leopard 3 -Road & Rail kills – 0 -Elephant mortality - 0 -Rain gauge readings -Collared elephants – 0 Kamungi Cons. Game census transects – 12 species	TWNP, Kamboyo, Mangaleta, Kilaguni, Mungai, Poachers lookout, Kitani, old Chyulu gate, Mzima, Shetani, Finch H, Ziwani, Tsavo River, Rhodesia Hill, pipe line, Rhino Valley, Ndawe, Ngulia, Kenani, Kyulu, Manyani, IPZ, NRS, Kamungi Cons.	1,614
TOTALS	37	As above	As above	As above	5,247
Total 2019	379	-	-	-	48,490

COMMUNITY CONSERVANCY PROGRAM:



KAMUNGI CONSERVANCY - Monthly Activities – August 2019	
PROJECT	ACTIVITY REPORT
<i>Ongoing partnership between Tsavo Trust and Kamungi Conservancy (KC)</i>	Bordering northern boundary of TWNP – Triangle. KC is located in Makueni County; Kibwezi Sub county; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.
<i>Employment</i>	Between Tsavo Trust and its partners 38 permanent staff and 23 casual staff were employed generating over \$ 10,000 (Ksh. 1,000,000) of income into Kamungi every month.
<i>Community Mobilization and Sensitization Meetings</i>	<ul style="list-style-type: none"> ➤ 7/8/19: ZSL lead with TT / KC / KWS / Wildlife Works / Chiefs / Mangalete Community – meeting re Community Development needs ➤ 16/8/19: Nthunguni Village meeting re security & Community Policing ➤ 19/8/19: Chiefs Office meeting Mtito Andei – Nat. Census meeting ➤ 20/8/19: Chiefs Office meeting Mtito Andei – Nat Census meeting ➤ 22/8/19: Chief Office meeting Mtito Andei re security issues
<i>Kamungi Membership</i>	Through a registered CBO KC membership represents 100 families & over 1,000 individuals.
<i>Kamungi Water Project</i>	21,330 litres of water was issued from dispensing kiosk at Ngiluni Village. <i>Tsavo Trust is looking to other alternatives and funding to supplement supply.</i>
<i>Health - Ngiluni Dispensary</i>	<i>Tsavo Trust is looking for funding for a water bore hole here to support this vital healthcare outlet in this region. Numbers of visitors have increased since Dispensary re build and upgraded.</i>
<i>Education</i>	Tsavo Trust has paid for 2 teachers (1 at Ngiluni & 1 at Kamunyu School within KC) for the last 6 years. This is ongoing.
<i>Training</i>	Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for <i>Snake handling and identification.</i>
<i>HWC – Elephant Bee Fences</i>	7 x 1-acre bee fences, total 105 bee hives with 15 currently occupied. Due to the poor rains in this area, the bees have not made the honey we had anticipated and in fact many have vacated hives.
<i>Human Wildlife Conflict (HWC)</i>	23 cases were recorded around Kamungi Conservancy. HWC cases: 5 elephant cases, 1 lion, 8 Leopard (40 shoats & 1 dog killed), 4 Hyena, 4 baboons, 1 mongoose.
<i>Kamungi Forestry Project</i>	Seedlings have been re planted and ongoing.
<i>Snake anti-venom</i>	Tsavo Trust partners with the James Ashe Anti-venom Trust (JAAT)/ Bio-Ken Snake Farm, Watamu stock top-quality anti-venom. No human cases this month. (Tsavo Trust currently holds 4 vials for emergency use).
<i>Wildlife Census Transects</i>	Ongoing – taking place 2 times p/month along set transects within KC to give base line data on wildlife trends. 12 different species were identified this month (215 observations).
<i>Operations and Security Tembo 5 Team = T5 Kamungi Scouts = KS</i>	<ul style="list-style-type: none"> ➤ Arrests: 22/8/19 - 1 bushmeat poacher OB No. 29/23/08/2019, TWNP Triangle ➤ Snares / traps / bushmeat: 34 snares, 15 poached Dikdiks (30kg) ➤ Equip. recvd.: 3 p/arrows, 1 bow, 1 horn, 1 spotlight ➤ Elephant carcass / Ivory: 5/8/19: T5 & KS located 1 fresh elephant carcass, poached, ivory missing, Kambu/Karawa area ➤ Night ambushes: 2
<i>VSLA – Savings Groups</i>	Village savings & loan groups are in the process of being set up – partnership between ZSL / KC & Tsavo Trust for next 4 years.

“SHIRANGO COMMUNITY CONSERVANCY”:

SHIRANGO COMMUNITY CONSERVANCY - Monthly Activities – August 2019	
PROJECT	ACTIVITY REPORT
<i>Ongoing partnership between Tsavo Trust and Shirango Community Conservancy (SCC)</i>	Bordering onto southern boundary of TENP – Voi River area. Total area 270km ² . SCC is located within Kilifi County; Ganze Sub-location; Bamba Ward; Mitangani location; Gede Sub-location.
<i>Employment</i>	Tsavo Trust employs 8 staff from this community including a Community Liaison Officer (CLO) to spear head activities. Salaries generate over \$ 1,600 (Ksh. 160,000) of income every month to this community as a result.
<i>Community Mobilization and Sensitization Meetings</i>	➤ Various National Census meetings through Chiefs Office – Ndaraku Village.
<i>Shirango Membership</i>	CBO name change to <i>Shirango Community Conservancy (SCC)</i> is in process and approved by the Board (was <i>Shirango Community Development Project</i>). Members come from 5 villages on the fringes of Shirango Community Conservancy: Shirango; Gede Jira/Garbiti; Ngambo/Baisa; Dabaso; Chamamba. Members registration is ongoing – at least 2,000 to date, mainly come from the Watha and Giriama ethnic groups. Ongoing.
<i>SCC Land tenure</i>	SCC land is currently under traditional communal mode of ownership. It is not legally protected and hence has been used and abused (charcoaling, poaching, hard wood extraction, livestock barons coming in from far etc). Efforts are underway to ensure the Watha people legally own land that is historically theirs.
<i>Shirango Water Project</i>	Solar bore hole pump and solar panels are being procured and then installed to finalise this much needed project. By year end this will be complete.
<i>Health – Shirango Dispensary</i>	This is currently dis-functional due to various challenges – funding, water supply, no nurse, no equipment etc. Nearest health centre is 10km away. 50% of residents rely on traditional herbal medicines.
<i>Education</i>	No activities as yet.
<i>Training</i>	None in August.
<i>Human Wildlife Conflict (HWC)</i>	23 cases recorded in SCC. HWC cases: 14 hyena, 5 lion (4 cows killed, 2 injured), 2 leopard
<i>Operations and Security Tembo 1 team = T1</i>	<ul style="list-style-type: none"> ➤ Arrests: 18/8/19 – 2 illegal livestock herders, OB No. 03/19/08/2019, TENP, Murondo ➤ Snares & traps recvd.: 25, 100kg dried Eland bushmeat ➤ Equip. recvd.: 3 bicycles, 3 horns, 3 spotlights, 2 pangas ➤ Elephant carcass / Ivory: 13/8/19 – T1 located 1 fresh elephant carcass, natural, 2 ivory recvd., TENP, Ndara ➤ Night ambushes: 3



Photo shows 100kg of recovered dried bushmeat on 29th August 2019 just outside the southern boundary of TENP.

Joint KWS / TT Tembo 1 team have been active along this section.

Unusual Photo of the Month:

Photo (by Tsavo Trust new asst. pilot - Nick Haller) of 6 large crocodiles feasting on an adult buffalo carcass on 2nd August 2019, in the Galana River, TENP.



With sincere thanks and appreciation to the Kenya Wildlife Service, US Fish & Wildlife Service, The Oak Foundation, USAid / DOI, Tusk Trust, Cheyenne Mountain Zoo, Leopardess Foundation (Nicole Honegger), JM Foundation Africa, Zoological Society of London (ZSL), Save The Elephants, Stuart Herd, Sir Colin Southgate, Nick Southgate, Alex Graham, Nick Powell, James Robertson, Markus Jebesen, The Kratt Family, International Fund for Animal Welfare (IFAW), Loic Gouzer, Georg Waechter Memorial Foundation, International Elephant Foundation (IEF), Disney/Wildlife Conservation Society (WCS), Ndovu Trust (UK), Mike Kirkland - Satao Camp & Southern Cross Safaris (Msa), Ker & Downey Safaris, Global Wildlife Conservation, Paul Block, Anita Mishra & Paolo Mapelli, Tropical Ice Ltd, the late John Fletcher, Askari Project – Australia, Skip & Joanie Mooney, Origins Safaris, Catherine Lagrange, Enos Vineyards, Salama Fikira, Steve Parkinson, Conservation Alpha, JW Seagon Insurance, The Art of BAS & Oak Furniture Land, Howard Saunders, Sandor Carter, Sean Dundas, Karen Laurence-Rowe, James Lewin, OnSafari-Kenya-Anthony Cheffings, Alan Binks, Andreas Fox, Oleg Guerrand-Hermes, Kathy Snowden, Saving the Survivors – Johan Marais, TUI Care Foundation, Chris Acreman, Paul & James Wilson, Alex Hunter – Insiders Africa, Will Burrard-Lucas, Lewa Canada, ESRI – E.A., Spidertracks, Pembroke House School and numerous other individual supporters.

Report compiled by Richard Moller – Chief Executive Officer, Tsavo Trust

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