


WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial & Ground Activities</i>		
Activity	Hours Flown	Kilometers Covered
<i>Aerial Reconnaissance</i>	65 (139 for year) Average 114km p/h of low-level flight	7476 (15,863km for year) Flights carried out jointly with KWS staff
<i>Rhino specific flights-TE & TW</i>	33 (57 for year)	3,598 (6,269km for year)
Field Patrol Days		Kilometers Covered
<i>Ground Activities</i> (Joint KWS / TT)	Protection teams: 84 days (177 to date) Monitoring teams: 29 days (55 to date)	Protection teams: 8,035km (17,098 to date) Monitoring teams: 3,420km (7,248 to date)
<i>Big “Tuskers” observed</i>	12 Tuskers - 4 Super Tusker bulls, 7 emerging bulls, 1 cow Tusker = 23 individual observations	
<i>Ivory recovered</i>	1 elephant tusks (6 for year)	
<i>Elephant mortality</i>	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	Nil – (c of d: nil)	Nil (c of d: nil)
<i>Poacher camps/hides</i>	Fresh - 1	Recent – Nil
<i>Arrests</i>	Nil – by KWS / TT – (nil) Bushmeat recvd: Nil (175kg for year to date)	
<i>Snares/traps recovered</i>	71 by Tembo Teams: 115 Snares to date 2020 (99 small; 16 medium to date)	
<i>Support to KWS-armed incidents</i>	Nil	
<i>Illegal Livestock (only in PA)</i>	11 cattle bomas (2,250 + cows, 200 shoats, 10 people)	
<i>Written reports to KWS</i>	54 (daily Situation reports, various communications & 1 monthly report)	
<i>General & significant notes</i>	<ul style="list-style-type: none"> 20/2/20: Assisted in recovery of 1 rhino horn & transmitter (natural horn drop off) in TWNP 	
COMMUNITY CONSERVANCY PROGRAM:		
Kamungi Conservancy North boundary TWNP 	<ul style="list-style-type: none"> Employment (through T/Trust): 25 permanent, 20 temporaries Membership: 1,000 people Community Mobilization meetings: 5 Ongoing Projects: Water project, Dispensary support, Kamungi HQ support, VSLA’s Human Wildlife Conflict (HWC): 24 reports, mainly crop raiding elephants Wildlife Counts: 2 sample transect counts. Security Ops: Ongoing patrols 	
Shirango Conservancy South East boundary TENP	<ul style="list-style-type: none"> Employment (through T/Trust): 10 permanents Membership: 2,100 people Community Mobilization meetings: 2 Ongoing Projects: Water project & security outpost development Human Wildlife Conflict (HWC): 9 reports Wildlife Counts: Nil Security Ops: T1 team – 2 arrests (bushmeat); 71 snares recvd; 1-night ambushes; 1 poacher camp located 	
FIELD CONSERVATION PARTNERS:		
<i>Kenya Wildlife Service (KWS)</i>	<ul style="list-style-type: none"> Partner to KWS & ZSL in the Tsavo’s in line with KWS Rhino Strategy – RII Project Partner in implementation of the KWS Hirola Recovery Plan 	
<i>Zoological Society of London (ZSL)</i>	<ul style="list-style-type: none"> Partner with KWS & ZSL in Rhino Impact Investment (RII) in TWNP Community development projects – Mangaleta & Kamungi locations 	
<i>Save The Elephants (STE)</i>	<ul style="list-style-type: none"> Assist in aerial and ground monitoring of collared elephants Partner with STE – Elephants & Bees project – Kamungi Conservancy 	
<i>African Sand Dam Foundation-ASDF</i>	<ul style="list-style-type: none"> Construction of sand dams to assist in habitat recovery – partnership with KWS / ASDF & Excellent Development UK 	
<i>James Ashe Anti-venom Trust - JAAT</i>	<ul style="list-style-type: none"> Partner to JAAT (professional supplier of top-quality snake bite antivenom) – Tsavo outlet 	

WILDLIFE CONSERVATION PROGRAM:

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

Table 1: Summary of Big Tusker Project (BTP)

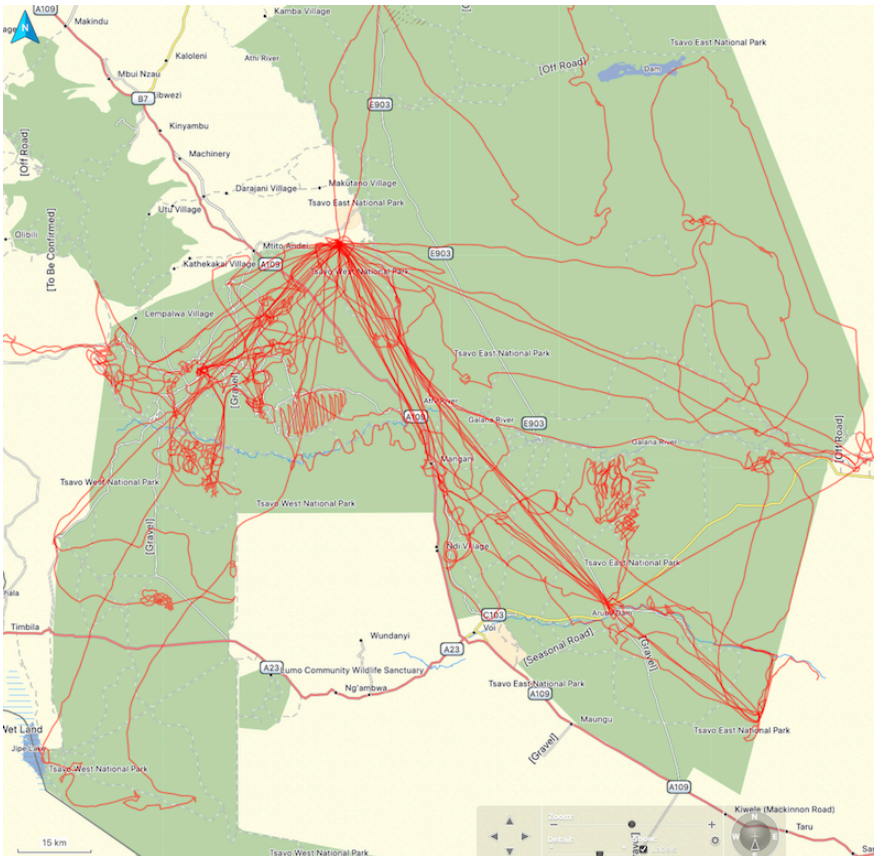
Activity / Detail	Number & Brief Remarks
BTP individual Tusker sightings	Total = 23 sightings – with recent rains, elephants are spread far and wide
Super Tusker Bulls	4 individuals – KO1 having not been seen since 25/4/19 (10 months)
Emerging Tuskers (bulls)	7 individuals
Iconic Cow Tuskers	1 individual
Elephant Mortality	Nil
Ivory Recovered	1 (1 natural)
Elephant Treatment	Nil
Wildlife Rescues	Nil
Rhino Support	Regular aerial recces with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL. 10 rhino specific recces resulting in 3,598km flown over 33hrs (8 TW & 2 TE).
HWC cases attended to	3 all in Kamungi area – crop raiding elephants
Arrests	Nil (bushmeat poachers)
Wire Snares Recovered	71 (15 medium, 56 small)
Bush Meat Recovered (Kg)	60kg (1 lesser kudu & 10kg part of lesser kudu)
Poachers Equip. Recovered	Nil
Poachers camps/Blinds	1 (1 fresh)
Night Ambushes set	3 separate nights
Response to Armed Situations	Nil
Tembo Teams foot patrols (km)	787km foot patrols – 4 teams
Collared Elephant Observations	17 forms submitted to STE (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 Raptors	Ongoing monitoring
Illegal Cattle Drive KWS Support	Impounded total 350 cows - TWNP
Charcoal & Logging	Nil inside TWNP. (Certain areas outside the Parks are out of control)
Training	1 TT Scout – snake handling at Bio-Ken Snake Farm, Watamu 1 KWS Research Officer-Masters training with funding support from TT
TT HQ Rainfall	33mm . Total rainfall to date: 196mm

Photo of a Rufous beaked snake (Rhamphiophis oxyrhynchus) hunting for naked mole rats at Tsavo Trust HQ on 25th February 2020.



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 shows Tsavo Trust’s flight paths over the TCA in February 2020.

65 hours flown covering 7,476 kilometers over Tsavo in support of KWS.

Covering: Air & ground activities; Big Tusker monitoring; Locating illegal activities; Wildlife monitoring; Aerial census and telemetry tracking.



Photo of an elusive Aardwolf (Proteles cristata) taken in TENP on 17th February 2020.

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)	29	Nil	Nil	71 56 small game, 15 medium	10kg Part lesser kudu 50kg Lesser kudu in snare	Nil	1	Nil	2,941
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	29	Nil	Nil	Nil	Nil	Nil	Nil	3	2,675
Tembo 5 / Kamungi (TWNP) 14 TT Scouts + 3 KWS Rangers	26	Nil	Nil	44 43 small, 1 medium	Nil	Nil	Nil	Nil	2,419
TOTALS	84	Nil	Nil	71	60kg	As above	1	3	8,035
Total 2020	177	4	2	115	175kg	-	2	10	17,098

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)	29	-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 – 2 -Grevy's Zebra – 0 -Large Carnivores – Lion 8 -Road & Rail kills – 10 -Elephant carcasses – 0 -Rain gauge readings -Collared elephants – 1 Carnivore scat collect - 0	Tsavo East Nat. Park – mainly southern, central and eastern sections	3,420
Tembo 4 (TWNP) (2 TT staff + 2 KWS)	Not Deployed Vehicle problems	-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 – 0 sighting -Rhino monitoring IPZ -NRS night census – n/a -Large Carnivores – 0 -Road & Rail kills – 0 -Elephant mortality - 0 -Rain gauge readings -Collared elephants – 0 Kamungi Cons. Game census transects – 2	Tsavo West Nat. Park – N/A	Nil
TOTALS	29	As above	As above	As above	3,420
Total 2020	55	-	-	-	7,248

ACTIVITY	KAMUNGI Conservancy	SHIRANGO Community Conservancy
Ongoing partnership between Tsavo Trust & KC & SCC	North boundary of TWNP – Triangle. Makueni County; Kibwezi Sub county; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.	South boundary of TENP – Voi River area. Total area 270km ² . Kilifi County; Ganze Sub-location; Bamba Ward; Mitangani location; Gede Sub-location.
Employment (through Tsavo Trust)	Between Tsavo Trust and its partners 25 permanent staff and 20 casual staff were employed generating over \$ 10,000 (Ksh. 1,000,000) of income into Kamungi monthly.	Tsavo Trust employs 10 staff from SCC including a Community Liaison Officer (CLO) to spear head activities. Salaries generate over \$2,200 (Ksh.220,000) of income monthly as a result.
Community Mobilization and Sensitization Meetings	<ul style="list-style-type: none"> ➤ 4 community meetings held ➤ 6 ZSL/Darwin – VSLA meetings help 	<ul style="list-style-type: none"> ➤ 2 community meetings held
Membership	Through a registered CBO KC membership represents 100 families & over 1,100 individuals. Mainly WaKamba community.	From 5 villages on the fringes of SCC: Shirango; Gede Jira/Garbiti; Ngambo/Baisa; Dabaso; Chamamba. Registration is ongoing – at least 2,100 to date, mainly come from the Watha and Giriama ethnic groups.
Water Project	NIL litres of water was issued – pump has failed and needs repairs. <i>Tsavo Trust is looking to other alternatives and funding to supplement supply.</i>	Solar bore hole pump and solar panels are in place. Water users committee established. 2 community members now employed at water project. Security outpost is being constructed.
Basic Health care	<i>Tsavo Trust is looking for funding for a bore hole here to support this only healthcare outlet. Numbers of visitors have increased since Dispensary rebuild and upgraded.</i>	This is currently dis-functional due to various challenges. Nearest health centre is 10km away. 50% of residents rely on traditional herbal medicines.
Basic Education	Tsavo Trust has paid for 2 teachers (1 at Ngiluni & 1 at Kamunyu School within KC) for the last 7 years. This is ongoing.	No activities as yet.
VSLA – Savings Groups	Village savings & loan groups are in the progress – partnership between ZSL / KC & Tsavo Trust for next 4 years.	None at present.
Training	Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for <i>Snake handling and identification</i> . VSLA training to KC communities – Ngiluni & Kamunyu	None at present.
HWC – Elephant Bee Fences	7 x 1-acre bee fences, total 105 beehives with 25 currently occupied.	N/A
Human Wildlife Conflict (HWC)	24 cases recorded: 10 elephant cases, 12 Leopard (1 dog, 14 shoats)	9 cases recorded: 4 hyenas (4 shoats); 2 leopards (2 shoats); 3 lion (3 cows)
Land Tenure	KC was historically Ngai Ndethia NR. Land was surveyed and sold to individuals under Ngiluni Settlement Scheme back in the 1970's. Title deeds have yet to be issued.	SCC land currently traditional communal mode of ownership, not legally protected. Efforts underway to ensure the local communities legally own their land. Ongoing.
Wildlife Census Transects	Ongoing – taking place 2 times p/month along set transects to give base line data on wildlife trends. 16 different species recorded.	Annual aerial census due to take place.
Operations and Security Tembo 1 Team = T1 Tembo 5 Team = T5 Kamungi Scouts = KS	<ul style="list-style-type: none"> ➤ Arrests: Nil ➤ Snares / traps / bushmeat: Nil ➤ Equip. recvd.: Nil ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 2 ➤ HEC: Chased raiding elephants 3 times 	<ul style="list-style-type: none"> ➤ Arrests: 2 (bushmeat poachers - Dikdiks) ➤ Snares & traps recvd.: 71; 60kg bushmeat ➤ Equip. recvd.: Nil ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 1 ➤ Poachers camps: 1 – Busayesa

Unusual Photo of the Month:

8th February 2020: aerial photo shows a pod of hippopotamus lounging in the crystal-clear waters of Mzima Springs in TWNP. This is an extraordinary oasis amongst the relatively recent lava flows emanating from the south end of Chyulu Hills Nat. Park that flow into TWNP to the south.



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