



MONTHLY REPORT:

MAY 2020

SUMMARY of ACTIVITIES:

WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial & Ground Activities</i>		
Activity	Hours Flown	Kilometers Covered
<i>Aerial Reconnaissance</i>	53 (304.5 for year) Average 115km p/h of low-level flight	6,073 (34,797km for year) Flights carried out jointly with KWS staff
<i>Rhino specific flights-TE & TW</i>	15.5 (112 for year)	1,842 (12,642km for year)
	Field Patrol Days	Kilometers Covered
<i>Ground Activities</i> (Joint KWS / TT)	Protection teams: 93 days (516 to date) Monitoring teams: 62 days (178 to date)	Vehicle patrols: 4,296km (30,745km to date) Foot patrols: 649km (3,502km to date) Monitoring teams: 5,694km (19,168km to date)
<i>Big “Tuskers” observed</i>	8 Tuskers - 3 Super Tusker bulls, 3 emerging bulls, 2 cow Tusker = 27 individual observations	
<i>Ivory recovered</i>	Nil elephant tusks (6 for year)	
<i>Elephant mortality</i>	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	2 – (c of d: Natural)	Nil (c of d: nil)
<i>Poacher camps/hides</i>	Fresh - 3	Recent – Nil
<i>Arrests</i>	5 – by KWS / TT – 5 bushmeat 13 for year to date Bushmeat recvd: 75kg (704kg for year to date)	
<i>Snares/traps recovered</i>	39 by Tembo Teams: 186 snares to date 2020 (144 small; 34 medium, 8 large)	
<i>Support to KWS-armed incidents</i>	Nil	
<i>Illegal Livestock (only in PA)</i>	2 cattle bomas (1,500 + cows, 300 shoats)	
<i>Written reports to KWS</i>	49 (daily Situation reports, various communications & 1 monthly report)	
<i>General & significant notes</i>	<ul style="list-style-type: none">• Effects of COVID-19 has reduced TT operational activities by 40% (ground & areal)• Bushmeat poaching clearly on the increase!• 2/5/20: Sand Dam construction of Mbololo B, TENP, completed – 1st Phase• 6/5/20: Kamungi members feeding program started - \$2,000 feeds 140 households• 22/5/20: Kamungi members 2nd feeding program - \$2,000 spread across 140 families	
COMMUNITY CONSERVANCY PROGRAM:		
<i>Kamungi Conservancy</i> North boundary TWNP 	<ul style="list-style-type: none">• Employment (through T/Trust): 25 permanent, 20 temporaries• Membership: 1,100 people• Community Mobilization meetings: 5• Ongoing Projects: Water project; Dispensary support; Kamungi HQ construction; VSLA’s; feeding program• Human Wildlife Conflict (HWC): 59 reports, mainly crop raiding elephants• Wildlife Counts: 1 sample transect counts• Security Ops: 4 arrests (bushmeat); 18 snares recvd.; 2 poacher camps; poachers equip. recvd.	
<i>Shirango Conservancy</i> South East boundary TENP 	<ul style="list-style-type: none">• Employment (through T/Trust): 11 permanents• Membership: 2,300 people• Community Mobilization meetings: Nil• Ongoing Projects: Water project; security outpost development; anti-poaching• Human Wildlife Conflict (HWC): 14 reports, mainly leopard & hyena• Wildlife Counts: Nil• Security Ops: T1 team – 1 arrests (bushmeat); 20 snares recvd; 73kg L/kudu meat recvd.; 1 poachers camp	
FIELD CONSERVATION FORMAL PARTNERS:		
<i>KWS-Kenya Wildlife Service</i>	• Partner to KWS: through MoU. Incl. Rhino Strategy & Hirola Recovery Plan	
<i>ZSL-Zoological Society London</i>	• Partner with ZSL: Rhino Impact Bond (RIB) in TWNP & Community development	
<i>STE-Save The Elephants</i>	• Partner in aerial & ground monitoring - collared elephants; Elephants & Bees project	
<i>ASDF-African Sand Dam Fdn</i>	• Construction of Sand Dams – partnership with KWS / ASDF & Excellent Development UK	
<i>JAAT-Anti-venom Trust</i>	• 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)

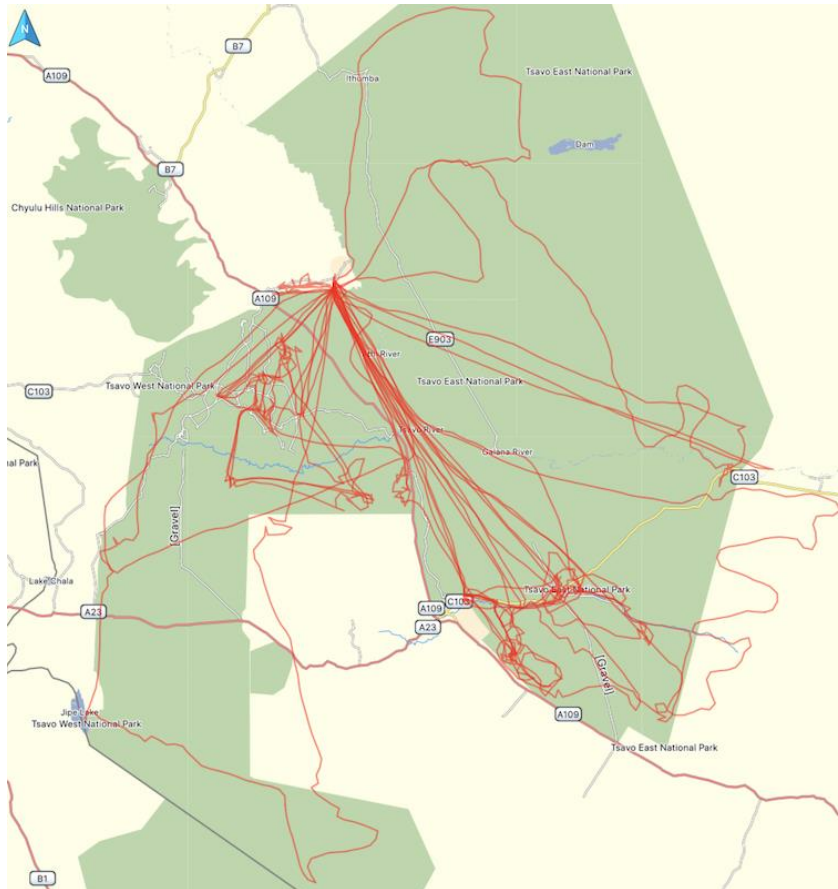
Activity / Detail	Number & Brief Remarks
BTP individual Tusker sightings	Total = 27 sightings – Elephants still very spread out
Super Tusker Bulls	3 individuals
Emerging Tuskers (bulls)	3 individuals (2 losses of TA1 & LA1 – natural causes)
Iconic Cow Tuskers	2 individuals
Elephant Mortality	2 fresh (both natural deaths). Both emerging Tuskers coded TA1 (ivory weight 37.5 & 35kg) & LA1 (ivory weight 55.5 & 54kg)
Ivory Recovered	Nil
Elephant Treatment	Nil
Wildlife Rescues	Nil
Rhino Support (KWS / ZSL / TT partnership)	Regular aerial patrols with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL . 5 rhino specific recces resulting in 1,842km flown over 15.5hrs (5 TW & Nil TE). 1 newborn rhino calf to “Clean 1” 5/5/20
HWC cases attended to	Nil
Arrests	5 (bushmeat poachers)
Wire Snares Recovered	39 (8 large, 1 medium, 30 small)
Bush Meat Recovered (Kg)	75kg (dried Lesser kudu, impala & Dikdik meat)
Poachers Equip. Recovered	11 axes, 10 pangas, 3 bicycles, 3 lamping horns, 5 spot lights, 1 knife, 1 shovel, 1 jembe, cooking equip.
Poachers camps/Blinds	3 (3 fresh/active)
Night Ambushes set	8
Response to Armed Situations	Nil
Foot patrols (km) Tembo Teams	649km foot patrols – 3 teams
Collared Elephant Observations	20 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	Nil
Charcoal & Logging	Nil inside PA’s. (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	4mm . Total rainfall to date: 447mm



Photo of the magnificent old cow Tusker coded as F-D11 on 9th May 2020, TENP. She is unquestionably the monarch of Tsavo’s elephants with her old age, immense knowledge gathered over many decades and of course her incredibly long and symmetrical ivory.

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 actions.



Map shows Tsavo Trust's flight paths over the TCA in May 2020.

53 hours flown covering 6,073 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 shows the Mbololo Site B completed Sand Dam in TENP on 8th May 2020. This is part of Phase 1 of the joint KWS / TT / ASDF sand dams for wildlife project over the coming years. It has been generously supported by Disney Conservation Fund / Wildlife Conservation Society.

Field Teams Activities:

- ***Elephant Carcasses Observed: Table 2: Shows fresh and recent elephant carcasses observed:***

Date	No.	Fresh Carcass	Recent Carcass	Cause of Death	Location
9/5/20	1	1	-	Emerging Tusker TA1 Natural	TENP, Maungu
11/5/20	1	1	-	Emerging Tusker LA1 Natural	TENP, Manyani east
Month Total	2	2	-		
Total 2020	5	4	1		

- ***Poachers Activities Observed: Table 3: Shows fresh and recent poachers blinds/hides/platforms observed:***

Date	No	Fresh Hide, Blind, platform	Recent Hide, Blind, P/Camp	Fresh Poacher camp	Location
13/5/20	1	-	-	1	Kulalu Ranch
13/5/20	2	-	-	2	Lukenya area outside TENP
Month Total	3	-	-	3	-
Total 2020	6	-	1	5	-
<i>Not included</i>	<i>Charcoalers camps close to TENP boundary – Kulalu Ranch, and cattle bomas outside the Parks</i>				

- ***Illegal livestock grazing: Table 4: Shows aerial observations - active livestock bomas & estimated number livestock inside the Parks only:***

TCA Park	No. Flights	Active Bomas	Livestock numbers est.
TENP	2	2	200 cows, 300 shoats
TWNP	2	-	1,300 cows
TOTALS	4	2	1,500 cows, 300 shoats

Table 5: Shows some examples of joint KWS/TT activities and outcomes from aerial patrols:

Date	Incident	Location
Routine & Monthly	Throughout the month: regular recce flights to compliment KWS Park management & field operations	TENP, TWNP and dispersal areas
7/5/20	Routine recce: 4 collared elephants observed; 4 wild dogs; 1,000 cows	TWNP – Jipe
9/5/20	Routine recce: 2 Tuskers HA1 & F-DI1; over 1,000 elephants; 3 lions	TENP – Ndara, Maungu
13/5/20	Rhino recce: 15 rhinos seen plus 1 newborn calf to Milca; 3 wild dogs;	TWNP, IPZ

Financial Support to KWS Activities Inside TWNP & TENP:

Table 6: Shows brief costs of activities carried out by Tsavo Trust to compliment KWS in Tsavo:

TT Activity	Cost (\$) Justification	Total \$
<i>Aerial support – ongoing TENP & TWNP</i>	53hrs in Super Cub aircraft @ \$250 all incl.	13,250
<i>Vehicle running costs - Field Mobile Teams (Tembo 1, 2, 3, 4 & 5) – ongoing TENP & TWNP</i>	4 vehicles covered 9,990km @ \$1 p/km incl. fuel, tires, maintenance, servicing & f/c insurance	9,990
<i>TT Field Staff x 30 (Tembo teams)</i>	Not Included	-
<i>TENP - Dakota Platoon Vehicle Diesel - ongoing</i>	100ltrs p/month	100
<i>TENP - DSTV Dakota Base - ongoing</i>	Monthly subscription	40
<i>TENP – KWS staff training</i>	Research Scientist Masters training support over 2 years - ongoing.	-
<i>TENP& TWNP – Sand Dam Project</i>	Pending next construction of dams	-
TOTAL MONTH		\$ 23,380
TOTAL 2020 to DATE:		\$ 166,118

Field Mobile Units:

Tembo 1, 3, 5 teams & Kamungi Scouts are habitat protection / de-snaring focused.

Tembo 2 & 4 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 & Kamungi Scouts teams:

De-snaring teams	No. Field days	No. Arrest	No. Ivory recvd.	No. Snare recvd.	Bushmeat recvd.	Poacher equip. recvd.	No. Poacher camps	No. HWC Cases	Vehicle mileage km	Foot Patrol km
Tembo 1 (TENP) (6 TT Scouts + 3 KWS Rangers)	31	1 Bushmeat poacher	-	20 14 small, 6 large	73kg Lesser kudu, impala & Dikdik	10 axes, 10 pangas, 3 bicycles, 3 lamping horns, 3 spotlights, 1 knife	1 active	-	2,177	166
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	-	-	1 1 medium	-	-	-	-	2,039	259
Tembo 5 (TWNP) 14 TT Scouts + 3 KWS Rangers	Temp. halted Due to COVID	-	-	-	-	-	-	-	-	-
Kamungi Scouts 4 Scouts	31	4 Bushmeat poachers		18 16 small, 2 large	2kg Dikdik	2 spotlights, 1 axe, 1 jembe, 1 shovel, cooking equip	2 active	-	80	224
TOTALS	93	5	Nil	39	75kg	As above	3	Nil	4,296	649
Total 2020	516	13	2	186	704kg	-	7	10	30,745	3,502

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)	31	-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 – 17 sighting -Hirola – 2 -Grevy's Zebra – 1 -Large Carnivores – 8 -Road & Rail kills – 0 -Elephant carcasses – 1 -Rain gauge readings -Collared elephants – 8 Carnivore scat collect – 0	Tsavo East Nat. Park – mainly southern, central and eastern sections including Shirango Conservancy	3,042
Tembo 4 (TWNP) (2 TT staff + 2 KWS)	31	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 21 -Tuskers - 0 -Large Carnivores – 2 -Collared elephants – 0	Tsavo West Nat. Park – IPZ & Triangle	2,652
TOTALS	62	As above	As above	As above	5,694
Total 2020	178	-	-	-	19,168



13th May 2020: outside TENP / Lukenya/Athi area – active poachers camp located and 1 bushmeat poacher was arrested.



13th May 2020, Kulalu Ranch on southern border of TENP, several recoveries were made from an active poacher hide out including: 10 axes, 9 pangas, 3 bicycles, 2 lamping spotlights and 3 lamping horns. Unfortunately, the poachers escaped this night ambush.



13th May 2020, 73kg of recovered dried bushmeat (lesser kudu, impala and Dikdiks) in the Midoina area around Shirango Conservancy.

COMMUNITY CONSERVANCY PROGRAM:

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 11 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"> ➤ 5 community meetings held ➤ ZSL/Darwin – VSLA meetings - Nil 	<ul style="list-style-type: none"> ➤ Nil ➤ Social Economic Survey completed
Membership	Through a registered CBO KC membership represents 140 families & over 1,400 individuals from 2 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	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	268 patients attended (1,183 for year to date). <i>Tsavo Trust is looking for funding for a bore hole here to support this healthcare outlet.</i>	This is currently dis-functional. Nearest health centre is 10km away. 50% of residents rely on traditional herbal medicines.
Feeding Program due to COVID-19	6/5/20: 1 st feeding day with 140 households receiving basic food stuffs worth \$2,000 22/5/20: 2 nd feeding day – as above	None at present due to distances involved and lack of funds to implement.
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>	None at present.
HWC – Elephant Bee Fences	7 x 1-acre bee fences, total 105 beehives with 21 currently occupied.	N/A
Human Wildlife Conflict (HWC)	59 cases recorded: 48 elephant cases; 4 Leopard (3 shoats, 2 dogs); 6 zebra; 1 lion	14 cases recorded: 4 hyenas (6 shoats); 2 leopards (3 shoats); 7 others
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	1 transect count – 41 direct sightings of 10 different species.	Annual aerial census due to take place.
Operations and Security Tembo 1 Team = T1 Tembo 3 Team = T3 Kamungi Scouts = KS	<ul style="list-style-type: none"> ➤ Arrests: 4 bushmeat poachers ➤ Snares / traps / bushmeat: 18 snares ➤ Equip. recvd.: 2 spotlights, 1 axe, 1 jembe, 1 shovel, cooking equip. ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 1 ➤ HEC: Nil 	<ul style="list-style-type: none"> ➤ Arrests: 1 (bushmeat poacher – L/kudu) ➤ Snares & traps recvd.: 73kg bushmeat ➤ Equip. recvd.: 10 axes, 3 pangas, 3 bicycles, 3 spotlights, 3 horns, 1 knife ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 7 ➤ Poachers camps: 1 active



6th May 2020 shows the first feeding program initiated within Kamungi Conservancy. This is a temporary gesture of assistance to our immediate neighbors during these challenging times of COVID-19 where many people have lost their jobs. 140 households received basic food stuffs worth \$2,000. This support takes place twice per month at this stage.

Unusual Photo of the Month:



8th May 2020 - shows an aerial photo of a leopard in TWNP enjoying the early morning sunshine.

With sincere thanks and appreciation to the Kenya Wildlife Service; USAID / DOI; US Fish & Wildlife Service; The Oak Foundation; Leopardess Foundation (Nicole Honegger); JM Foundation Africa; Zoological Society of London (ZSL); Save The Elephants (STE) / Elephant Crisis Fund (ECF) / Wildlife Conservation Network (WCN); Global Wildlife Conservation; Cheyenne Mountain Zoo; Tusk Trust; International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); Stuart Herd; Sir Colin Southgate; Nick Southgate; Alex Graham; Nick Powell; James Robertson; Markus Jebesen; The Kratt Family; Loic Gouzer; Georg Waechter Memorial Foundation; Ndovu Trust (UK); Nick Lapham; Mike Kirkland - Satao Camp & Southern Cross Safaris (Msa); Ker & Downey Safaris; Paul Block; Anita Mishra & Paolo Mapelli; Glassybaby White Light Fund; Tropical Ice Ltd; the late John Fletcher; Paul & James Wilson; Askari Project – Australia; James Chiappa; Will Burrard-Lucas; Drew Doggett photography; Tofauti Foundation; Goh & Courtney Iromoto; Masai Wilderness Conservation Trust (MWCT); Origins Safaris; Chesbro Foundation; Catherine Lagrange; Enos Enterprises – Tembo Wine; International Fund for Animal Welfare (IFAW); TUI Care Foundation; Empowers Africa; Salama Fikira; 51 degrees; Steve Parkinson; Conservation Alpha; JW Seagon Insurance; Howard Saunders; Sandor Carter; Sean Dundas; Karen Laurence-Rowe; James Lewin; OnSafari-Kenya-Anthony Cheffings; Alan Binks; Andreas Fox; Saving the Survivors – Johan Marais; World Book; Chris Acreman; Alex Hunter – Insiders Africa; 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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