

MONTHLY REPORT:

OCTOBER 2018

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

Activity	Hours Flown	Kilometers Covered
<i>Aerial Reconnaissance</i>	70 (733 for year) Average 115km p/h of low-level flight	7,974 (85,915km for year) Flights carried out jointly with KWS staff
	Field Patrol Days	Kilometers Covered
<i>Ground Activities</i> (Joint KWS / TT)	Protection teams: 71 days (709 for year) Monitoring teams: 43 days (402 for year)	Protection teams: 6,458 km (73,963 for year) Monitoring teams: 5,588 km (55,806 for year)
	No. Observed	
<i>Big “Tuskers”</i>	14 Tuskers - 7 Super Tusker bulls, 6 emerging Tusker bulls & 1 cow Tusker	
	No. Recovered	
<i>Ivory recovered</i>	10 elephant tusks (101 for year to date) – (largest tusk 38kg / 84lbs)	
<i>Elephant carcasses</i>	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	1 – (natural c of d)	3 (All natural)
<i>Ele. Carcasses/hrs flown</i>	1 every 17.5 hours of flight	
<i>Poacher camps/hides</i>	Fresh - 3	Recent - 1
<i>Arrests</i>	8 – by KWS / TT – (1 ivory dealer, 4 livestock - 35 to date 2018)	
<i>Snares/traps recovered</i>	53 (by Tembo Teams – 765 for year to date)	
<i>Response/support to KWS - armed incidents</i>	Nil	
	6 cattle bomas (6,450 + cows, 2,250 shoats, 800 camels, 22 people)	
<i>Written reports to KWS</i>	66 (daily email reports, various communications & 1 monthly report)	
<i>General & significant notes</i>	<ul style="list-style-type: none"> • Some sporadic rain in last week of October18 • 2nd to 4th Ovt18 – Sand Dam surveys with KWS, Excellent Development & the Sand Dam Foundation in TENP & TWNP • Ongoing support to KWS / STE in locating collared elephants in TCA • Aerial & ground support to Rhino Program in TWNP & TENP, via ongoing partnership with KWS / ZSL. 10 rhino specific recce flights (25hrs) carried out with KWS 	

Photo shows a TWNP IPZ black rhino in fine condition on 2nd October 2018. In support to KWS Rhino Program and in partnership with ZSL, Tsavo Trust carries out aerial tracking of rhino fitted with transmitters on a regular basis.



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 14 different individual Tusker’s were observed from ground and air coverage.
- 7 bull Super Tuskers – 13 different sightings.
- 6 Emerging bull Tuskers – 14 sightings.
- 1 Iconic cow Tusker – 2 sighting
- **Total sightings – 29.**
- **Weather conditions:** TT HQ rainfall: **27.5mm**. Total rainfall at Tsavo Trust HQ to date: 454.5mm in 2018.
- **Elephant mortality: 4 carcasses located (3 fresh, 1 recent):** C of D – all natural.
- **Rhino security:** Regular aerial recces in support of KWS over TWNP rhino areas in partnership with ZSL. 10 rhino specific air recces resulted in 2,786km flown over 25 hrs (8 TW & 2 TE).
- **Collared Elephant:** Ongoing monitoring from ground and air taking place by KWS / TT teams.

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

Tusker Code	No. Times Seen / Month	Brief Remarks
BULLS		
LU1	1	In good health, normal location
WS1	4	Back to original location
MU1	4	Normal location
SL1	1	Back to original area found
IL1	1	Back to normal location, but looking old and slow
BA1	1	Moving to unsafe location
KI1	4	Back to normal location
BL1	1	Normal location
SO1	1	Back to original location
CH1	3	Normal location
MM1	1	Normal location
MG1	2	Moves around a lot
RO1	1	Last seen on 18/3/17 – 19 months ago
COWS		
F-DI1	2	Back normal location
TOTAL	13 bulls & 1 cow: 29 different sightings	
<i>Close working relationship between KWS and Tsavo Trust (aerial and ground units combined) is without doubt adding to elephant security and safety of the big Tuskers and other elephants within the TCA through meaningful collaboration alongside KWS Security and Research & Monitoring Departments.</i>		

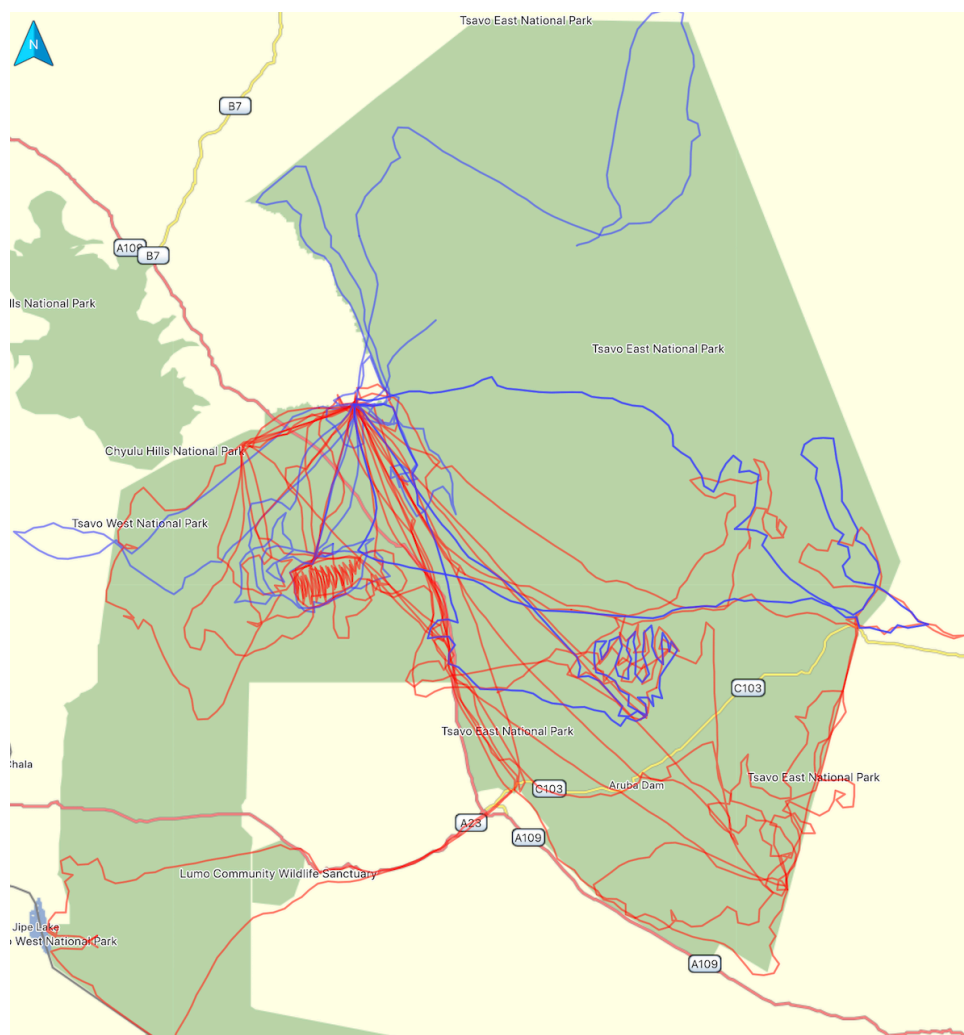
Photo of the elusive Tusker coded as BA1 on 23rd October 2018.



Areas Covered: Table 2: Shows the main areas covered within the TCA for this month:

TSAVO EAST NP	TSAVO WEST NP	RANCHES & DISPERSAL AREAS
<p>Northern Area – Yatta Plateau, Durusikale, Garasamuke, Emusaya, Golf Charlie, Koitu, Sobo, Sangayaya, Dabaduke, Mufupa ya Ndovu, Tiva River, Ndiandaza, Ya Kalicha, Roka, Gazi</p> <p>Southern Area – Voi, Ndololo, Kanderi, Wagalla, Ndara Plains, Buchuma, Maungu, Murondo, Dakota, Voi River, Dika Plains, Satao, power lines, Aruba, Mukuaju, Dika, Konu Moja, Dida Harea, Balguda, Sala, Lali, Sobo, TENP boundary, Koitu, Galana River</p> <p>Central Area – TE R/S, IPZ, Manyani east, Punda Milia, Hatulo Bisani, Lugards, Mbololo lugga, Balguda, Irima, Mudanda, Maka Hill, Man-eaters, Triangle, Mtito Lugga, Zero Delta, Voi north & east, Galana River, Tsavo River and Yatta Central, SGR</p>	<p>Northern Sector – IPZ, Mangaleta, Kamboyo, Kisimeka, Chyulu south, Mtito lugga, Mungai Hill, Finch Hattons, Mzima Springs, Shetani volcano, Severin, Kilaguni, Ndawe, Tsavo River</p> <p>Southern Sector – Murka, Maktau, Ziwani, Serengeti plains, Kanjaro, TZ / Kenya border</p> <p>Central Sector – IPZ, Rhino Valley, NRS, Tsavo River, Kinyek, Maji ya Chumvi (north & south), Ziwani, Lesoito, Kyulu, Manda, Kishushe, Murka, Mombasa Highway, Man Easters, Kenani, Kanga, Manyani north and west, SGR line</p>	<p>TENP border – Ngiluni/Kamunyu, Kulalu, Derea, Murondo, Magram/Dakota Ranch, KMC, Ngutuni, Shirango, Kilifi & Galana Ranch</p> <p>TWNP border – Rombo, Ziwani, Salaita</p> <p>Chyulu Hills NP - Nil</p> <p>Taita Ranches - Lualenyi</p>
<ul style="list-style-type: none"> • The locations mentioned above is only an indicator of flight paths taken, many other areas in between are also covered and in so doing providing “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 (2 aircraft) over the TCA in October 2018. The red path is for aircraft 5Y TTZ and the blue for 5Y NRF. 70 hours flown covering 7,974 kilometers over Tsavo in support of KWS: **Air & ground activities; Big Tusker monitoring; Locating illegal activities; Wildlife monitoring; Aerial census and tracking.**



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	Vehicle mileage km
Tembo 1 (6 TT men + 3 KWS men)	30	4 Illegal livestock	Nil	51 33 for small game 18 medium game	13kg dikdik meat	1 panga, 1 knife, 2 spotlights, 2 lamping horn & cooking equip.	1	2,559
Tembo 3 (6 TT men + 3 KWS men)	10 Team on leave	Nil	Nil	2 1 for small game 1 medium game	Nil	Nil	Nil	660
Tembo 5 / Kamungi 14 TT men + 3 KWS men	31	1 1 ivory dealer	4 2 from arrested dealer, 7.5kg	Nil	Nil	1 bicycle, 1 panga, 1 axe, food & cooking equip.	3	3,239
TOTALS	71	5	4	53	As above	As above	4	6,458
Total 2018	709	26	26	765	-	-	14	73,963

Monitoring teams:

Table 8: Shows activities carried out by Tembo 2 & 4 teams – research and monitoring:

Monitoring team	No. Field days	Activities	Endangered species records / sightings	Operating locations	Vehicle mileage km
Tembo 2 (3 TT staff + 2 KWS)	20	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Tuskers – 7 sightings • Hirola – 8 sightings • Grevy's Zebra – 1 sightings • Large Carnivores – 8 • Road & Rail kills – 9 • Elephant carcasses – Nil • Rain gauge readings • Collared elephants – 9 • Carnivore scat collect - 8 	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, Ndi	2,855
Tembo 4 (2 TT staff + 2 KWS)	23	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Tuskers – 19 sightings • Rhino monitoring IPZ • NRS night census – 97 rhinos • Large Carnivores – 8 • Road & Rail kills – 0 • Elephant mortality - Nil • Rain gauge readings • Collared elephants – 3 	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	2,733
TOTALS	43	As above	As above	As above	5,588
Total 2018	402	-	-	-	55,806

COMMUNITY CONSERVANCY PROGRAM:

“KAMUNGI CONSERVANCY”:

- ✓ **Ongoing partnership between Tsavo Trust and Kamungi Conservancy (KC)** (bordering northern boundary of TENP – Triangle).
- ✓ **Employment:** Between Tsavo Trust and its partners 38 permanent staff and 23 casual staff were employed generating over \$ 10,00 (Ksh. 1,000,000) of income into Kamungi every month.
- ✓ **Kamungi Water Project:** 43,320 litres of water was issued from the water dispensing kiosk at Ngiluni Village. Each family is rationed to 60 litres per day.
- ✓ **Ngiluni Dispensary upgrade:** This is nearly completed, with new green corrugated iron roof, water catchment gutters and 2 x 5,000 litre water tanks, new verandah, roofing frames replaced as necessary, re painting inside and out, fitting of ceiling boards, full electric fence around the 3 acre plot. Only plumbing, solar electrics and water pipe delivery remain to be done. It is planned to be completed by year end.

Photo shows Ngiluni Dispensary upgrade project on 29th October 2018, with new green corrugated iron roof, verandah and rain water catchment facilities being added. Inside has been fully painted and new ceiling boards put in. All holes for roosting bats and nesting birds, lizards and rats have been filled in.



- ✓ **HWC – Elephant Bee Fences** – 5 x 1-acre bee fences, total 75 bee hives with 22 are occupied. Next honey harvest due in December 18.
- ✓ **HWC** – 49 cases were recorded around Kamungi Conservancy; mainly elephants crop raiding
HWC cases: 23 elephant cases, 8 hyenas, 5 Leopard, 8 snakes, 2 crocodile, 3 lion.



Photo shows crop damage by marauding elephants in the Ngiluni village area in early October 2018.

The plastic water holding tank was also totally destroyed.

- ✓ **Kamungi Forestry Project** – Seedlings have been re planted following elephant destruction.
- ✓ **Snake anti-venom** – supply for venomous snakes – Tsavo Trust partners with the James Ashe Anti-venom Trust (JAAT)/ Bio-Ken Snake Farm, Watamu who are the anti-venom suppliers. Tsavo Trust provides and pays for 5 vials of top-grade anti-venom (from South Africa) to distribute locally via the Voi District Hospital. This has proved to be a hugely valuable project and if it was not for JAAT / Bio-Ken several young lives would have been lost.

“SHIRANGO CONSERVANCY”:

- ✓ **Shirango community engagement** – in its early days, but where a growing partnership between Tsavo Trust and the Watha communities of Shirango is fast evolving (although discussions have been ongoing for over 4 years). Through the CLO, employed by Tsavo Trust, this once alienated community is now starting to embrace the “Conservancy” concept and plans are underway to roll out further activities here including a water project (see below), employment (see below).
- ✓ **Employment** – Tsavo Trust employs 8 staff from this community including a Community Liaison Officer (CLO) to spear head activities. This equates to over \$ 1,600 (Ksh. 160,000) of income generation every month to this community as a result.
- ✓ **Shirango Water Project:** Following various meetings, initial phases of a water project (bore hole and solar pump) have taken place. Hydrological surveys took place on 24th and 25th September 2018 and since then EIA has been carried out. We now await NEMA approvals before going. 2 potential sites were located, as we await the final report. Once this is in hand applications for EIA and NEMA and local County Govt. approvals before going ahead. This project is being implemented to assist local people who have historically lived off elephants, bushmeat and other natural resources from the TENP, but now have an understanding that this water has come to them “from the elephants” and as a result it is hoped that with engagement with the Watha people here, elephant poaching and bushmeat will significantly reduce.
- ✓ **Meetings:**
 - 28th September CLO met with Kilifi Asst. County Commissioner re proposed water project.
 - 10th October CLO met with the area MCA – Bamba Ward to discuss the proposed water project.
 - 13th October meetings held with Shirango elders to discuss water project and also Shirango area boundaries

Unusual Photo of the Month:

Aerial photo shows a pride of 9 lions having made a buffalo kill (see top left corner) on the edge of the Athi River in the TENP Triangle area on 20th October 2018. It is clear they have an increasing problem as crocodiles are closing in to pinch their hard earned kill.



With sincere thanks and appreciation to the Kenya Wildlife Service, Save The Elephants/Wildlife Conservation Network/Elephant Crisis Fund (ECF), 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), Stuart Herd, Sir Colin Southgate, Nick Southgate, Alex Graham, Nick Powell, James Robertson, Markus Jebsen, Paul Block, The Kratt Family, International Fund for Animal Welfare (IFAW), The Davies Family, International Elephant Foundation (IEF), Disney/Wildlife Conservation Society (WCS), Ndovu Trust (UK), Mike Kirkland - Satao Camp & Southern Cross Safaris (Msa), Anita Mishra & Paolo Mapelli, Tropical Ice Ltd, Askari Project – Australia, Salama Fikira, Origins Safaris, Ker & Downey Safaris, Conservation Alpha, Scott Family Fdn., JW Seagon Insurance, The Art of BAS & Oak Furniture Land, Howard Saunders, Sandor Carter, Sean Dundas, Geri Bauer, Karen Laurence-Rowe, James Lewin, OnSafari-Kenya-Anthony Cheffings, Kathy Snowden, Saving the Survivors – Johan Marais, Chris Acreman, Paul & James Wilson, Alex Hunter – Insiders Africa, Spidertracks, Michael Cheffings, Pembroke House School and numerous other individual supporters.

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