

MONTHLY REPORT:

JANUARY 2020

SUMMARY of ACTIVITIES:

WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial & Ground Activities</i>		
Activity	Hours Flown	Kilometers Covered
<i>Aerial Reconnaissance</i>	74 Average 114km p/h of low-level flight	8,387 Flights carried out jointly with KWS staff
<i>Rhino specific flights-TE & TW</i>	24.5	2,671
	Field Patrol Days	Kilometers Covered
<i>Ground Activities</i> (Joint KWS / TT)	Protection teams: 93 days (93 to date) Monitoring teams: 26 days (26 to date)	Protection teams: 9,063km (9,063 to date) Monitoring teams: 3,838km (3,828 to date)
<i>Big “Tuskers” observed</i>	13 Tuskers - 2 Super Tusker bulls, 10 emerging bulls, 1 cow Tusker = 35 individual observations	
<i>Ivory recovered</i>	5 elephant tusks	
<i>Elephant mortality</i>	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	2 – (c of d: 2 natural)	1 (c of d: 1 natural)
<i>Poacher camps/hides</i>	Fresh - Nil	Recent – 1
<i>Arrests</i>	4 – by KWS / TT – (4 bushmeat poachers) Bushmeat recvd: Nil (115kg for year to date)	
<i>Snares/traps recovered</i>	44 by Tembo Teams (Snares to date 2020: 43 small; 1 medium to date)	
<i>Support to KWS-armed incidents</i>	Nil	
<i>Illegal Livestock (only in PA)</i>	Nil cattle bomas (150 + cows, 2 camels, 6 people)	
<i>Written reports to KWS</i>	48 (daily Situation reports, various communications & 1 monthly report)	
<i>General & significant notes</i>	• New Tembo 1 team vehicle deployed Dec2019 • Unusually good rain in Jan20 = 163mm at TT HQ (same amount as the whole of 2018) • TT took part in the Grevy’s Zebra Census, covering TENP & KMC Ranch by ground & air	
COMMUNITY CONSERVANCY PROGRAM:		
<i>Kamungi Conservancy</i> North boundary TWNP 	• <u>Employment</u> (through T/Trust): 28 permanent, 20 temporaries • <u>Membership:</u> 1,000 people • Community Mobilization meetings: 7 including Board Meeting on 31/1/20 • Ongoing Projects: Water project, Dispensary support, Kamungi HQ support, tree planting, VSLA planning • Human Wildlife Conflict (HWC): 39 reports; HEC fence planning stages; TT deployed T5 vehicle & team most nights in Jan20 to chase elephants from crops • Wildlife Counts: 2 sample transect counts. • Security Ops: 1 arrest (bushmeat); 44 snares recvd. (boundary of TWNP); 3-night ambushes	
<i>Shirango Conservancy</i> South East boundary TENP	• <u>Employment</u> (through T/Trust): 10 permanents • <u>Membership:</u> 2,100 people • Community Mobilization meetings: 5 • Ongoing Projects: Water project & security outpost development • Human Wildlife Conflict (HWC): 11 reports • Wildlife Counts: Nil • Security Ops: T1 team – 1 arrest (bushmeat); Nil snares recvd; 4-night ambushes; 1 poacher camp located	
FIELD CONSERVATION PARTNERS:		
<i>Kenya Wildlife Service (KWS)</i>	• 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>	• Partner with KWS & ZSL in Rhino Impact Investment (RII) in TWNP • Community development projects – Mangalet & Kamungi locations	
<i>Save The Elephants (STE)</i>	• Assist in aerial and ground monitoring of collared elephants • Partner with STE – Elephants & Bees project – Kamungi Conservancy	
<i>African Sand Dam Foundation-ASDF</i>	• Construction of sand dams to assist in habitat recovery – partnership with KWS / ASDF & Excellent Development UK	

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 = 35 sightings – with recent rains, elephants are spread far and wide
Super Tusker Bulls	2 individuals
Emerging Tuskers (bulls)	10 individuals. 1 new E/Tusker – IR2 added to data base on 16/12/19
Iconic Cow Tuskers	1 individual
Elephant Mortality	3 carcasses located (2 fresh & 1 recent): C of D – 3 naturals
Ivory Recovered	5 tusks (from joint KWS/TT aerial & ground patrols)
Elephant Treatment	Nil
Wildlife Rescues	Nil
Rhino Support	Regular aerial recces with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL. 7 rhino specific recces resulting in 2,671km flown over 24.5hrs (5 TW & 2 TE).
HWC cases attended to	7 all in Kamungi area – crop raiding elephants
Arrests	4 (bushmeat poachers)
Wire Snares Recovered	44 (1 medium, 43 small)
Bush Meat Recovered (Kg)	115kg (43 Dikdiks, 1 lesser kudu, part impala)
Poachers Equip. Recovered	2 spotlights; 1 lamping horn; 5 pangas; 3 knives
Poachers camps/Blinds	1 (1 recent)
Night Ambushes set	3 separate nights
Response to Armed Situations	Nil
Tembo Teams foot patrols (km)	673km foot patrols
Collared Elephant Observations	11 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	Ongoing aerial support to KWS
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	163mm . Total rainfall to date: 163mm

Tsavo Trust's first brand new field vehicle, a Toyota Land Cruiser generously donated by USAID/DOI and deployed to the Tembo 1 team that operates in partnership with KWS and Shirango Community Conservancy along the southern boundary of TENP. Its main function is to support field teams in tackling wildlife crime and bio-diversity protection in this challenging but important location.



Table 2: Shows “Tusker” code, number of times observed during month and brief remarks.

Tusker Code	No. Times Seen / Month	Brief Remarks
BULLS		
LU1	7	In good health, moved to wet season location
WS1	3	Back inside Park, but venturing out overnight for food
BL1	1	Normal location
IR2	3	New emerging Tusker recorded in BTP data base on 16/12/19
GO1	2	Normal location
BU1	2	Normal area
FH1	2	Back to normal location
KM2	1	Normal location
SH1	3	Still moving distances, in Musth
SI1	2	Back to normal location
TS1	1	Normal location
VO1	7	Normal location
COWS		
F-AR1	1	Moves big distances
TOTAL	12 bulls & 1 cow: 35 different individual sightings	
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.		

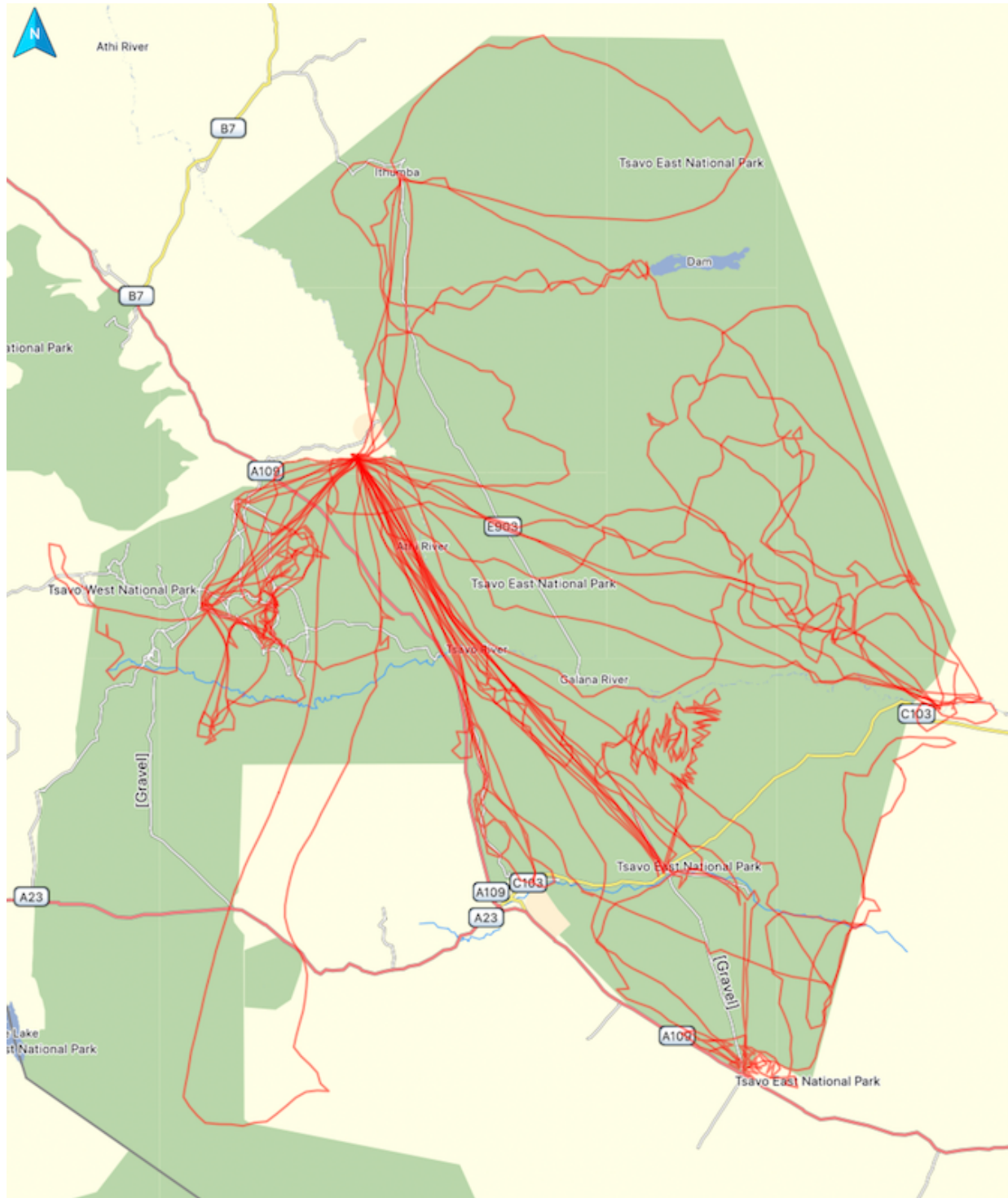
Photo shows emerging Tusker coded as SH1 on 17th January 2020, TENP. SH1 is soon to be elevated to Super Tusker category for obvious reasons. Through joint KWS / Tsavo Trust consistent monitoring of the big Tuskers, we have watched SH1 grow from emerging Tusker to Super Tusker status.



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 January 2020. 74 hours flown covering 8,387 kilometers over Tsavo in support of KWS: **Air & ground activities; Big Tusker monitoring; Locating illegal activities; Wildlife monitoring; Aerial census and telemetry tracking.***





6th January 2020: Arrested bushmeat poacher along Mtito River, north boundary of TWNP in possession of a lesser kudu and medium sized cable snare.

4 bushmeat poachers were arrested jointly by KWS/TT Tembo teams and recovered 115kg bushmeat in January 2020.

24th January 2020: cow rhino with very young calf in TWNP, IPZ spotted during joint KWS / TT aerial recce.



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

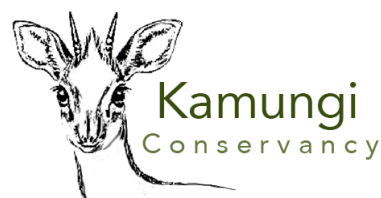
De-snaring teams	No. Field days	No. Arrest	No. Ivory recvd.	No. Snare recvd.	Bushmeat recvd.	Poachers equip. recvd.	No. Poacher camps	No. HWC Cases	Vehicle mileage km
Tembo 1 (TENP) (6 TT Scouts + 3 KWS Rangers)	31	1 Bushmeat poacher	Nil	Nil	5kg 3 Dikdiks, 1 impala	1 Spotlights 1 slasher 1 horn 2 knives	1	Nil	3,733
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	31	2 Bushmeat poachers	2	Nil	80kg 40 Dikdiks	2 pangas 1 knife 1 spotlight	Nil	7	2,351
Tembo 5 / Kamungi (TWNP) 14 TT Scouts + 3 KWS Rangers	31	1 Bushmeat poachers	Nil	44 43 small, 1 medium	30kg 1 lesser kudu	2 pangas	Nil	Nil	2,979
TOTALS	93	4	2	44	115kg	As above	1	7	9,063
Total 2020	93	4	2	44	115kg	-	1	7	9,063

Monitoring & Evaluation teams:

Table 9: 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)	26	-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 – 0 sighting -Hirola – 0 -Grevy's Zebra – 0 -Large Carnivores – Leopard 1 -Road & Rail kills – 0 -Elephant carcasses – 0 -Rain gauge readings -Collared elephants – 0 Carnivore scat collect - 0	Tsavo East Nat. Park – mainly southern, central and eastern sections	3,828
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 RHINO CAPTURE	-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 – 0	Tsavo West Nat. Park – mainly IPZ areas	Nil
TOTALS	26	As above	As above	As above	3,828
Total 2020	26	-	-	-	3,828

COMMUNITY CONSERVANCY PROGRAM:



KAMUNGI CONSERVANCY - Monthly Activities	
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 (through Tsavo Trust)</i>	Between Tsavo Trust and its partners 38 permanent staff and 20 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>	➤ 5 meetings re VSLA's & Darwin support through ZSL ➤ 9/1/20: Community Policing - Chiefs meeting ➤ 31/1/20: KC Board Meeting at Ngiluni water tank
<i>Kamungi Membership</i>	Through a registered CBO KC membership represents 100 families & over 1,000 individuals.
<i>Kamungi Water Project</i>	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>
<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 7 years. This is ongoing.
<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. 2 meetings held.
<i>Training</i>	Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for <i>Snake handling and identification</i> . VSLA training to KC communities – Ngiluni & Kamunyu
<i>HWC – Elephant Bee Fences</i>	7 x 1-acre bee fences, total 105 beehives with 21 currently occupied. With the recent rains, more hives are being colonized.
<i>Human Wildlife Conflict (HWC)</i>	39 cases were recorded around Kamungi Conservancy. HWC cases: 30 elephant cases, 3 Leopard (1 dog, 8 shoats), 2 zebra, 3 baboon, 1 impala
<i>Kamungi Forestry Project</i>	15 different species indigenous trees planted.
<i>Snake anti-venom</i>	Tsavo Trust partners with East African Venom Supplies (EAVS) & Bio-Ken/JAAT, who 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. 20 different species recorded.
<i>Operations and Security Tembo 5 Team = T5 Kamungi Scouts = KS</i>	➤ Arrests: 1 (bushmeat poacher with 1 lesser kudu) ➤ Snares / traps / bushmeat: 44 & 30kg l/kudu ➤ Equip. recvd.: 2 pangas ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 3 ➤ HEC: Chased crop raiding elephants 7 times

“SHIRANGO COMMUNITY CONSERVANCY”:

SHIRANGO COMMUNITY CONSERVANCY - Monthly Activities	
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 (through Tsavo Trust)</i>	Tsavo Trust employs 10 staff from this community including a Community Liaison Officer (CLO) to spear head activities. Salaries generate over \$2,200 (Ksh.220,000) of income every month to this community as a result.
<i>Community Mobilization and Sensitization Meetings</i>	➤ 5 meetings this month at Ndaraku. ➤ 28/1/20: Main meeting CLO, MCA Bamba and County Commissioner met to discuss land tenure and the need to survey properly.
<i>Shirango Membership</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 2,100 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 & 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 & local communities legally own land that is historically theirs. Ongoing.
<i>Shirango Water Project</i>	Solar bore hole pump and solar panels are in place and a water users committee established. 2 community members now employed at water project. A security outpost is being constructed here now.
<i>Health – Shirango Dispensary</i>	This is currently dis-functional due to various challenges. Nearest health centre is 10km away. 50% of residents rely on traditional herbal medicines.
<i>Education</i>	No activities as yet.
<i>Training</i>	Bore hole pump / controller staff training by EA Drillcon.
<i>Human Wildlife Conflict (HWC)</i>	11 cases recorded in SCC. HWC cases: 7 hyenas (7 shoats), 4 leopards (4 shoats)
<i>Operations and Security Tembo 1 team = T1</i>	➤ Arrests: 1 (bushmeat poacher, 5 Dikdiks & 1 impala) ➤ Snares & traps recvd.: Nil ➤ Equip. recvd.: 1 spotlight, 1 panga, 1 lamping horn, 2 knives ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: Nil ➤ Poachers camps: 1 – Busayesa



Left:
Community meeting at Ndaraku with Chief and village elders on 21st Jan20

Right:
Training meeting at Shirango borehole site where solar panels have been installed to pump water, Jan20



Unusual Photo of the Month:

4th January 2020: photo shows 23 of the 40 Dikdiks recovered from 2 arrested bushmeat poachers by joint KWS / TT Tembo 3 team, who were loading them into a truck on the Mombasa / Nairobi highway near Tsavo River bridge? Clearly there is a commercial trade in Dikdiks along this major highway.



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 (STE) / Elephant Crisis Fund (ECF) / Wildlife Conservation Network (WCN); Global Wildlife Conservation; Stuart Herd; Sir Colin Southgate; Nick Southgate; Alex Graham; Nick Powell; James Robertson; Markus Jebesen; The Kratt Family; Loic Gouzer; Georg Waechter Memorial Foundation; International Elephant Foundation (IEF); Disney/Wildlife Conservation Society (WCS); Ndovu Trust (UK); Nick Lapham; Mike Kirkland - Satao Camp & Southern Cross Safaris (Msa); Ker & Downey Safaris; Paul Block; Anita Mishra & Paolo Mapelli; Tropical Ice Ltd; the late John Fletcher; Paul & James Wilson; Askari Project – Australia; Skip & Joanie Mooney; Origins Safaris; Catherine Lagrange; Enos Vineyards – Tembo Wine; International Fund for Animal Welfare (IFAW); TUI Care Foundation; Empowers Africa; Salama Fikira; 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; Chris Acreman; 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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