

# MONTHLY REPORT:

## NOVEMBER 2019

### ACTIVITY & OUTCOME SUMMARY TABLE:

WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial &amp; Ground Activities</i>		
Activity	Hours Flown	Kilometers Covered
<i>Aerial Reconnaissance</i>	76 (844.5 for year) Average 114km p/h of low-level flight	9,036 (96,473km for year) Flights carried out jointly with KWS staff
<i>Rhino specific flights</i>	28.5 (323.5 for year)	3,216 (37,426km for year)
Field Patrol Days	Kilometers Covered	
<i>Ground Activities</i> (Joint KWS / TT)	Protection teams: 90 days (944 to date) Monitoring teams: 51 days (532 to date)	Protection teams: 10,315km (102,889 to date) Monitoring teams: 5,796km (70,348 to date)
<i>Big “Tuskers” observed</i>	11 Tuskers - 2 Super Tusker bulls, 6 emerging bulls, 3 cow Tuskers = 29 individual observations	
<i>Ivory recovered</i>	6 elephant tusks (65 for year to date)	
<i>Elephant mortality</i>	<i>Fresh</i> (less than 3 weeks old) 1 – (c of d: 1 unconfirmed)	<i>Recent</i> (less than 3 months old) 1 (c of d: 1 unconfirmed)
<i>Poacher camps/hides</i>	<i>Fresh - Nil</i>	<i>Recent – 1</i>
<i>Arrests</i>	15 – by KWS / TT – (1 bushmeat poacher, 14 illegal livestock - <b>61 to date 2019</b> ) <b>Bushmeat:</b> Nil (417kg for year to date)	
<i>Snares/traps recovered</i>	95 by Tembo Teams – (625 for year to date)	
<i>Support to KWS-armed incidents</i>	1	
<i>Illegal Livestock (only in PA)</i>	21 cattle bomas (10,100 + cows, 4 people)	
<i>Written reports to KWS</i>	78 (daily Situation reports, various communications & 1 monthly report)	
<i>General &amp; significant notes</i>	<ul style="list-style-type: none"> <li>Nov19: Aerial &amp; ground team support KWS during major cattle drive in TWNP. 14 arrested illegal herders; over 2,700 cows impounded &amp; 15 bomas destroyed</li> <li>Major rainfall throughout Nov19 = 163mm at TT HQ</li> </ul>	

COMMUNITY CONSERVANCY PROGRAM:	
<i>Kamungi Conservancy</i> North boundary TWNP	<ul style="list-style-type: none"> <li><u>Employment</u> (through T/Trust): 28 permanent, 20 temporary</li> <li><u>Membership:</u> 1,000 people</li> <li>Community Mobilization meetings: 5</li> <li>Ongoing Projects: Water project, Dispensary support, Kamungi HQ support, tree planting, VSLA planning</li> <li>Human Wildlife Conflict (HWC): 21 reports; HEC fence planning stages</li> <li>Wildlife Counts: 2 sample transect counts. 1 cheetah spotted in KC – a first for over 20 years (info. from local community)</li> <li>Security Ops: 1 arrested bushmeat poacher (Kyusiani Village); 93 snares recvd. (Kalawa)</li> </ul>
<i>Shirango Conservancy</i> South East boundary TENP	<ul style="list-style-type: none"> <li><u>Employment</u> (through T/Trust): 8 permanent</li> <li><u>Membership:</u> 2,100 people</li> <li>Community Mobilization meetings: 1</li> <li>Ongoing Projects: Water project near completion</li> <li>Human Wildlife Conflict (HWC): 4 reports</li> <li>Wildlife Counts: Nil</li> <li>Security Ops: T1 team – 3-night ambushes; 3 snares recvd.; 1 poachers camp located</li> </ul>

FIELD CONSERVATION PARTNERS:	
<i>Kenya Wildlife Service (KWS)</i>	<ul style="list-style-type: none"> <li>Partner to KWS &amp; ZSL in the Tsavo's in line with KWS Rhino Strategy – RII Project</li> <li>Partner in implementation of the KWS Hirola Recovery Plan</li> </ul>
<i>Zoological Society of London (ZSL)</i>	<ul style="list-style-type: none"> <li>Partner with KWS &amp; ZSL in Rhino Impact Investment (RII) in TWNP – 10 flights</li> <li>Community development projects – Mangaleta &amp; Kamungi locations</li> </ul>
<i>Save The Elephants (STE)</i>	<ul style="list-style-type: none"> <li>Assist in aerial and ground monitoring of collared elephants – 14 observed</li> <li>Partner with STE – Elephants &amp; Bees project – Kamungi Conservancy</li> </ul>
<i>African Sand Dam Foundation-ASDF</i>	<ul style="list-style-type: none"> <li>Construction of sand dams to assist in habitat recovery – partnership with KWS / ASDF &amp; Excellent Development UK</li> </ul>

## **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 **11** different individual Tusker’s were observed from ground and air coverage.
- 2 bull Super Tuskers – 10 different sightings.
- 6 Emerging bull Tuskers – 15 sightings.
- 3 Iconic cow Tuskers – 4 sightings.

➤ **Total sightings – 29**

➤ **Rainfall - TT HQ: 163mm.** Total rainfall to date: **324mm.**

➤ **Elephant mortality: 2 carcasses located (1 fresh, 1 recent):** C of D – 2 unconfirmed.

➤ **Ivory recovered:** 6 tusks (from joint KWS / TT aerial & ground patrols).

➤ **Wildlife Rescues:** 1 Dikdik released from snare.

➤ **Elephant treatment: Nil**

➤ **Rhino security:** Regular aerial recce with KWS over TWNP & TENP rhino areas in partnership with KWS / ZSL. 10 rhino specific recce resulting in 3,216km flown over 28.5 hrs (8 TW & 2 TE).

➤ **Arrests: 15** (1 bushmeat poacher, 14 illegal livestock herders).

➤ **Snares recovered: 95**

➤ **Bushmeat recovered: 40kg.**

➤ **Poachers equipment recovered:** 5 spotlights; 2 lamping horns; 10 pangas; 2 spears; 1 bicycle; 1 axe.

➤ **Poacher camps/Blinds:** Nil (fresh), 1 (recent).

➤ **Night ambushes:** set on 3 nights.

➤ **Response to armed situations:** 1 (gunshot report-CHNP).

➤ **Hirola monitoring:** Key stakeholder with KWS in line with Hirola Recovery Strategy.

➤ **Collared Elephant:** 14 observations – 14 submitted forms to STE (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.

➤ **Illegal cattle drive:** 7<sup>th</sup> to 30<sup>th</sup> Nov19. Assisted with Tembo 5 team & aerial coverage.

➤ **Charcoal burning and logging:** 1 inside Park (certain areas outside the Parks charcoaling is out of control).

➤ **Training:**

- ✓ 1 Tsavo Trust scout on snake handling training, ongoing at Bio Ken Snake Farm, Watamu.
- ✓ 1 KWS Research Officer - Masters training with funding support from Tsavo Trust.

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

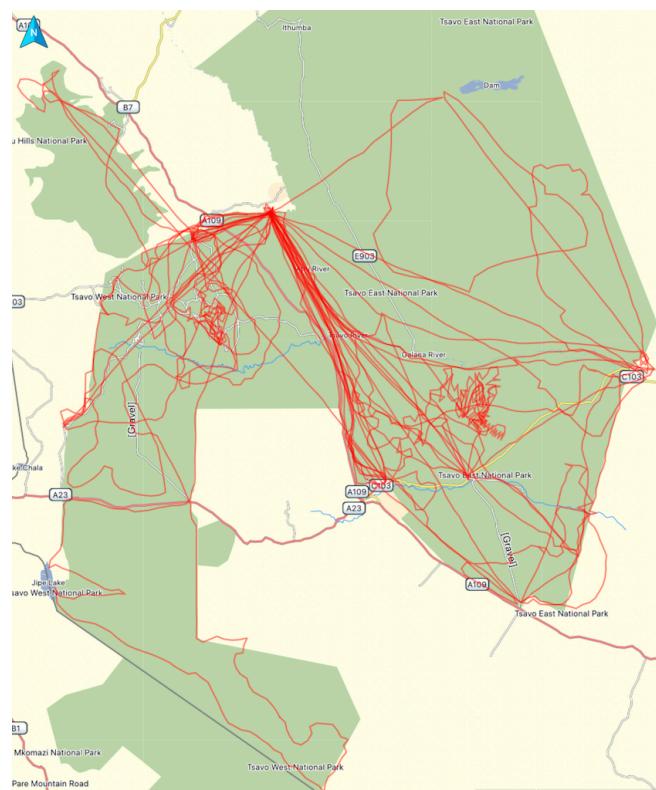
Tusker Code	No. Times Seen / Month	Brief Remarks
<b>BULLS</b>		
LU1	9	In good health, moved to wet season location
WS1	1	Back inside Park, but venturing out overnight for food
BL1	1	Normal location
SI1	1	Normal location
TA1	2	Normal location
KI1	1	Back to normal location
CH1	4	Normal location
MG1	6	Back to original dry season range
<b>COWS</b>		
F-DI1	1	Moved big distance in search of food
F-AR1	1	Normal location
F-XT1	2	Normal location
<b>TOTAL</b>	<b>8 bulls &amp; 3 cows: 29 different individual sightings</b>	
<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>		



#### **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 November 2019. 76 hours flown covering 9,036 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 recv'd.	No. Snare recv'd.	Bushmeat recv'd.	Poachers equip. recv'd.	No. Poacher camps	No. HWC Cases	Vehicle mileage km
<b>Tembo 1 (TENP)</b> (6 TT Scouts + 3 KWS Rangers)	30	Nil	Nil	2	Nil	Nil	1	Nil	3,319
<b>Tembo 3 (TWNP)</b> (6 TT Scouts + 3 KWS Rangers)	30	1 Bushmeat poacher	2	93	40kg	5 Spotlights 2 lamping horns 4 pangas 1 bicycle 1 axe	Nil	Nil	2,808
<b>Tembo 5 / Kamungi (TWNP)</b> 14 TT Scouts + 3 KWS Rangers	30	14 Illegal herders	Nil	Nil	Nil	2 spears 6 pangas	Nil	Nil	4,188
<b>TOTALS</b>	<b>90</b>	<b>15</b>	<b>2</b>	<b>Nil</b>	<b>40kg</b>	<b>As above</b>	<b>1</b>	<b>Nil</b>	<b>10,315</b>
<b>Total 2019</b>	<b>944</b>	<b>61</b>	<b>30</b>	<b>530</b>	<b>417kg</b>		<b>20</b>	<b>9</b>	<b>102,889</b>

### **Monitoring & Evaluation teams:**

**Table 8: Shows activities carried out by Tembo 2 & 4 teams – monitoring & evaluation:**

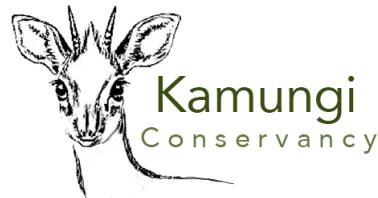
Monitoring teams	No. Field days	Activities	Endangered species records / sightings	Operating locations	Vehicle mileage km
<b>Tembo 2 (TENP)</b> (3 TT staff + 2 KWS)	21	-Tusker monitoring -Hirola monitoring -Grevy's zebra monitoring -Carnivore monitoring -Carnivore scat collection for analysis – hair content -Mombasa/Nairobi - Road & SGR kill surveys -Camera trap surveys -Fixed point photos -Collared elephant reporting	-Tuskers – 7 sighting -Hirola – 5 -Grevy's Zebra – 0 -Large Carnivores – Lion 4, Leopard 1, Cheetah 1 -Road & Rail kills – 0 -Elephant carcasses – 0 -Rain gauge readings -Collared elephants – 1 Carnivore scat collect - 0	Tsavo East Nat. Park – mainly southern, central and eastern sections	2,721
<b>Tembo 4 (TWNP)</b> (2 TT staff + 2 KWS)	30	-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 – 10 sighting -Rhino monitoring IPZ -NRS night census – n/a -Large Carnivores – Nil -Road & Rail kills – 5 -Elephant mortality - 0 -Rain gauge readings -Collared elephants – Nil Kamungi Cons. Game census transects – 11 species seen	Tsavo West Nat. Park – mainly IPZ areas	3,075
<b>TOTALS</b>	<b>51</b>	<b>As above</b>	<b>As above</b>	<b>As above</b>	<b>5,796</b>
<b>Total 2019</b>	<b>532</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>70,348</b>

**Photo shows recovered bushmeat poacher equipment on 25<sup>th</sup> November 2019. Joint Tsavo Trust / KWS Tembo 3 team followed fresh tracks of 2 poachers inside TWNP Triangle and later arrested 1 poacher just outside the Park. Items recovered included: 1 large cable snare; 2 lamping torches with horns; 1 panga; 40kg lesser kudu meat; and various other equipment.**



**Photo shows Tembo 2 field monitoring team in TENP searching for Tuskers in the flat bushland in this area.**





## COMMUNITY CONSERVANCY PROGRAM:

KAMUNGI CONSERVANCY - Monthly Activities – August 2019	
PROJECT	ACTIVITY REPORT
<b>Ongoing partnership between Tsavo Trust and Kamungi Conservancy (KC)</b>	Bordering northern boundary of TWNP – Triangle. KC is located in Makueni County; Kibwezi Sub county; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.
<b>Employment (through Tsavo Trust)</b>	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.
<b>Community Mobilization and Sensitization Meetings</b>	<ul style="list-style-type: none"> <li>➤ Various meetings throughout the month re VSLA's &amp; Darwin support</li> <li>➤ 5/11/19: Tree seedling planting with community at Ngiluni</li> <li>➤ 7/11/19: Community Policing Chiefs meeting &amp; Jamhuri Day planning</li> <li>➤ 25/11/19: Community Policing Chiefs meeting</li> <li>➤ 27/11/19: Tsavo Trust invited to REDD+ Carbon Project strategic meeting to represent eastern side of CHNP communities</li> </ul>
<b>Kamungi Membership</b>	Through a registered CBO KC membership represents 100 families & over 1,000 individuals.
<b>Kamungi Water Project</b>	1,960 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>
<b>Health - Ngiluni Dispensary</b>	<i>Tsavo Trust is looking for funding for a water bore hole here</i> to support this vital healthcare outlet in this region. Numbers of visitors have increased since Dispensary re build and upgraded.
<b>Education</b>	Tsavo Trust has paid for 2 teachers (1 at Ngiluni & 1 at Kamunyu School within KC) for the last 6 years. This is ongoing.
<b>VSLA – Savings Groups</b>	Village savings & loan groups are in the process of being set up – partnership between ZSL / KC & Tsavo Trust for next 4 years. 9 meetings held.
<b>Training</b>	Patrick Mutua ongoing training at Bio-Ken Snake Farm, Watamu, for <i>Snake handling and identification.</i> VSLA training to KC communities
<b>HWC – Elephant Bee Fences</b>	7 x 1-acre bee fences, total 105 beehives with 19 currently occupied. With the recent rains, more hives are being colonized.
<b>Human Wildlife Conflict (HWC)</b>	21 cases were recorded around Kamungi Conservancy. HWC cases: 6 elephant cases, 7 Leopard (6 shoats, 2 dogs), 2 Duiker, 4 impala, 1 wild dog (1 sheep), 2 honey badger (2 chickens).
<b>Kamungi Forestry Project</b>	15 different species indigenous trees planted.
<b>Snake anti-venom</b>	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).
<b>Wildlife Census Transects</b>	Ongoing – taking place 2 times p/month along set transects within KC to give base line data on wildlife trends. 11 different species were identified this month (198 observations). 1 cheetah seen in KC – this is the first confirmed observation for over 20 years!
<b>Operations and Security</b> <b>Tembo 5 Team = T5</b> <b>Kamungi Scouts = KS</b>	<ul style="list-style-type: none"> <li>➤ <b>Arrests:</b> 1 bushmeat poacher (John Kioko) booked Mtito P/St: OB No. 18/25/11/2019</li> <li>➤ <b>Snares / traps / bushmeat:</b> 93 snares</li> <li>➤ <b>Equip. recvd.:</b> 1 bicycle; 2 lamping horns; 2 spotlights; 1 axe; 1 panga</li> <li>➤ <b>Elephant carcass / Ivory:</b> Nil</li> <li>➤ <b>Night ambushes:</b> Nil</li> </ul>

**“SHIRANGO COMMUNITY CONSERVANCY”:**

SHIRANGO COMMUNITY CONSERVANCY - Monthly Activities – August 2019	
PROJECT	ACTIVITY REPORT
<b>Ongoing partnership between Tsavo Trust and Shirango Community Conservancy (SCC)</b>	Bordering onto southern boundary of TENP – Voi River area. Total area 270km <sup>2</sup> . SCC is located within Kilifi County; Ganze Sub-location; Bamba Ward; Mitangani location; Gede Sub-location.
<b>Employment (through Tsavo Trust)</b>	Tsavo Trust employs 8 staff from this community including a Community Liaison Officer (CLO) to spearhead activities. Salaries generate over \$ 1,600 (Ksh. 160,000) of income every month to this community as a result.
<b>Community Mobilization and Sensitization Meetings</b>	➤ 18/11/19: CLO meeting with Kilifi County Lands Office to discuss further the land security in SCC.
<b>Shirango Membership</b>	CBO name to remain as <b>Shirango Community Development Project</b> but on the ground known as <b>Shirango Community Conservancy</b> (SCC). 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.
<b>SCC Land tenure</b>	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.
<b>Shirango Water Project</b>	Solar bore hole pump and solar panels have been procured and by year end this will be complete. Recent rains have hindered mobilizing this equipment.
<b>Health – Shirango Dispensary</b>	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.
<b>Education</b>	No activities as yet.
<b>Training</b>	None in August.
<b>Human Wildlife Conflict (HWC)</b>	4 cases recorded in SCC. HWC cases: 3 hyena (3 shoats), 1 leopard (1 shoat)
<b>Operations and Security Tembo 1 team = T1</b>	➤ <b>Arrests:</b> Nil ➤ <b>Snares &amp; traps recv'd.:</b> 3 snares ➤ <b>Equip. recv'd.:</b> 1 pangas ➤ <b>Elephant carcass / Ivory:</b> Nil ➤ <b>Night ambushes:</b> 3 ➤ <b>Poachers camps:</b> 1 – Kizingo Ranch

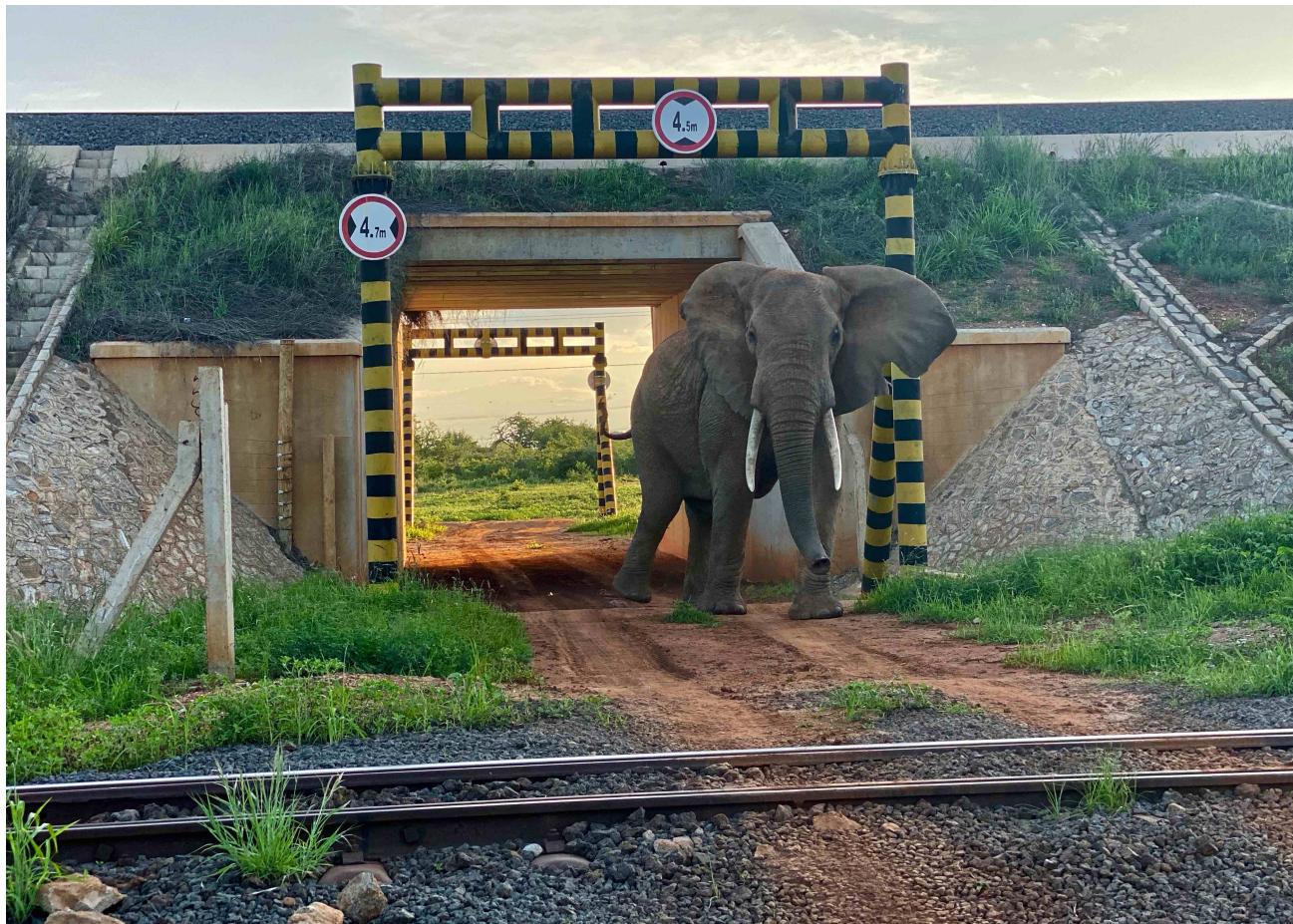


*Photo taken on 9<sup>th</sup> November 2019 at Ngiluni Village where VSLA training took place of several Kamungi Conservancy community members.*

*This is part of joint efforts by Tsavo Trust and ZSL to bring benefits to communities bordering the north boundary of TWNP between Chyulu Hills and Athi River.*

## Unusual Photo of the Month:

*Photo taken on 27<sup>th</sup> November 2019 at one of the SGR - vehicle under passes just south of Mtito Andei town. This small underpass is regularly used by varying wildlife to include elephants; buffalo; lion; leopard; hyena; impala and more. It clearly shows that wildlife does find a way to cross major infrastructure developments, as long as well-informed planning for wildlife movements is implemented during construction phases. This underpass is important for wildlife moving between main TWNP and the Tsavo Triangle.*



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 Jebsen; 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; Askari Project – Australia; Skip & Joanie Mooney; Origins Safaris; Catherine Lagrange; Enos Vineyards; International Fund for Animal Welfare (IFAW); TUI Care Foundation; 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; Oleg Guerrand-Hermes; Saving the Survivors – Johan Marais; 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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