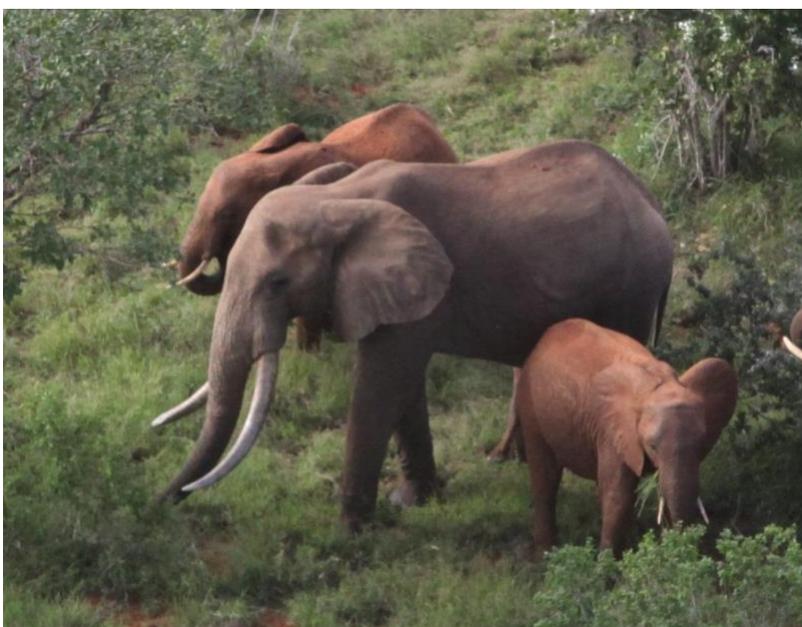


WILDLIFE CONSERVATION PROGRAM: Big Tusker Project – Aerial & Ground Activities		
Activity	Hours Flown	Kilometers Covered
Aerial Reconnaissance 	52 (356.5 for year) Average 115km p/h of low-level flight	5,984 (40,781km for year) Flights carried out jointly with KWS staff
Rhino specific flights-TE & TW	21 (133 for year)	2,423 (15,065km for year)
Field Patrol Days		Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 90 days (606 to date) Monitoring teams: 54 days (232 to date)	Vehicle patrols: 3,869km (34,614km to date) Foot patrols: 607km (4,109km to date) Monitoring teams: 5,692km (24,860km to date)
Big “Tuskers” observed 	12 Tuskers - 5 Super Tusker bulls, 4 emerging bulls, 3 cow Tusker = 34 individual observations	
Ivory recovered	8 elephant tusks (14 for year)	
Elephant mortality	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	1 – (c of d: Natural)	3 (c of d: 1 unknown, 2 natural)
Poacher camps/hides	Fresh - Nil	Recent – Nil
Arrests	1 – by KWS / TT – 1 bushmeat 14 for year to date Bushmeat recvd: Nil (704kg for year to date)	
Snares/traps recovered	54 by Tembo Teams: 240 snares to date 2020 (188 small; 34 medium, 18 large)	
Support to KWS-armed incidents	Nil	
Illegal Livestock (only in PA)	8 cattle bomas (500 + cows)	
Written reports to KWS	56 (daily Situation reports, various communications & 1 monthly report)	
General & significant notes	<ul style="list-style-type: none"> Funding effects of COVID-19 has reduced TT operational activities (ground & aerial) Bushmeat poaching clearly on the increase! 2/5/20: Sand Dam construction of Mbololo B, TENP, completed – 1st Phase 10/6/20 & 23/6/20: 3rd & 4th Kamungi feeding assistance - 140 households 	
COMMUNITY CONSERVANCY PROGRAM:		
Kamungi Conservancy North boundary TWNP 	<ul style="list-style-type: none"> Employment (through T/Trust): 25 permanent, 20 temporaries Membership: 1,300 people Community Mobilization meetings: 8 Ongoing Projects: Water project; Dispensary support; Kamungi HQ construction; VSLA’s; feeding program; HEC-Mtito fence planning Human Wildlife Conflict (HWC): 61 reports, mainly crop raiding elephants Wildlife Counts: 2 sample transect counts Security Ops: Nil arrests; 50 snares recvd.; 	
Shirango Conservancy 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): 17 reports, mainly elephant & hyena Wildlife Counts: Nil Security Ops: T1 team – 1 arrests (bushmeat); 4 snares recvd; various poachers equip. recvd. 	
FIELD CONSERVATION FORMAL PARTNERS:		
KWS-Kenya Wildlife Service	• Partner to KWS: through MoU. Incl. Rhino Strategy & Hirola Recovery Plan	
ZSL-Zoological Society London	• Partner with ZSL: Rhino Impact Bond (RIB) in TWNP & Community development	
STE-Save The Elephants	• Partner in aerial & ground monitoring - collared elephants; Elephants & Bees project	
ASDF-African Sand Dam Fdn	• Construction of Sand Dams – partnership with KWS / ASDF & Excellent Development UK	
JAAT-Anti-venom Trust	• Partner to JAAT (professional supplier of top-quality snake bite antivenom) – Tsavo outlet	
MWCT-Maasai Wilderness	• Partner – general conservation initiatives/activities	



Both photo's above are of the Super Tusker coded as BUI. The left photo shows BUI as an Emerging Tusker and was taken on 16th May 2014 (the date he was first recorded in the Big Tusker data base). The right photo was taken on 6th June 2020 in TENP and it is very clear to see the extent of ivory growth over the last 6 years, making BUI one of the 10 Super Tuskers of Tsavo today.

WILDLIFE CONSERVATION PROGRAM:



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

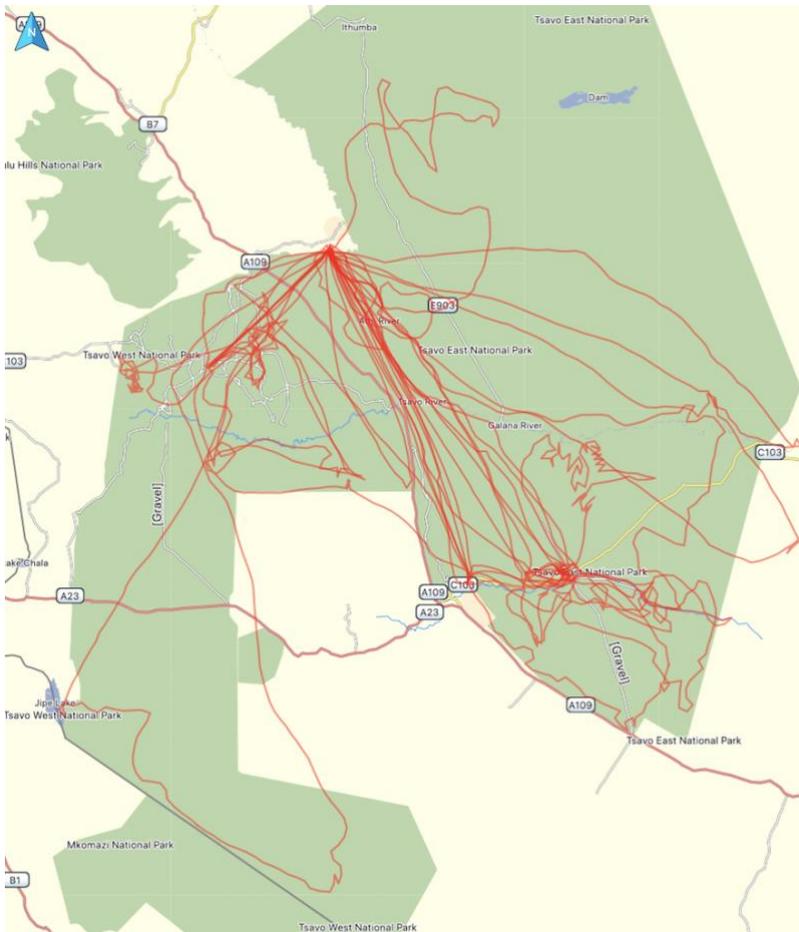
Table 1: Summary of Big Tusker Project (BTP)

Activity / Detail	Number & Brief Remarks
<i>BTP individual Tusker sightings</i>	Total = 34 sightings – Elephants still very spread out
<i>Super Tusker Bulls</i>	5 individuals (11)
<i>Emerging Tuskers (bulls)</i>	4 individuals (14)
<i>Iconic Cow Tuskers</i>	3 individuals (9)
<i>Elephant Mortality</i>	4: 1 fresh (natural deaths). 3 recent/old (1 unknown & 2 natural)
<i>Ivory Recovered</i>	8 tusks (all from found elephant carcasses)
<i>Elephant Treatment</i>	Nil
<i>Wildlife Rescues</i>	1: Dikdik released from wire snare
<i>Rhino Support (KWS / ZSL / TT partnership)</i>	Regular rhino aerial patrols with KWS; TWNP & TENP - partnership with KWS / ZSL . 7 rhino specific recces = 2,423km flown over 21hrs (5 TW & 2 TE)
<i>HWC cases attended to</i>	2 (Shirango area)
<i>Arrests</i>	1 (bushmeat poacher)
<i>Wire Snares Recovered</i>	54 (10 large, 44 small)
<i>Bush Meat Recovered (Kg)</i>	7Nil
<i>Poachers Equip. Recovered</i>	1 axes, 1 panga, 1 bicycles, 1 lamping horns, 1 spot lights
<i>Poachers camps/Blinds</i>	Nil
<i>Night Ambushes set</i>	6 (all Shirango area)
<i>Response to Armed Situations</i>	Nil
<i>Foot patrols (km) Tembo Teams</i>	607km foot patrols – 3 teams
<i>Collared Elephant Observations</i>	14 forms submitted to STE (joint KWS/TT teams)
<i>High Value Wildlife Monitoring</i>	Ongoing partner to KWS TCA Research (carnivores, endangered species)
<i>Firefighting cases</i>	2 Sagala, Rukinga areas
<i>Illegal Cattle Drive KWS Support</i>	Nil
<i>Charcoal & Logging</i>	Nil inside PA's. (Certain areas outside the Parks are out of control)
<i>Training</i>	1 TT Scout – snake handling at Bio-Ken Snake Farm, Watamu 1 KWS Research Officer-Masters training with funding support from TT
<i>TT HQ Rainfall</i>	Nil . Total rainfall to date: 447mm



Aerial Reconnaissance - Areas Covered:

- This vital conservation tool provides “*eyes in the skies*” 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 June 2020.

52 hours flown covering 5,984 kilometers over Tsavo in support of KWS.

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

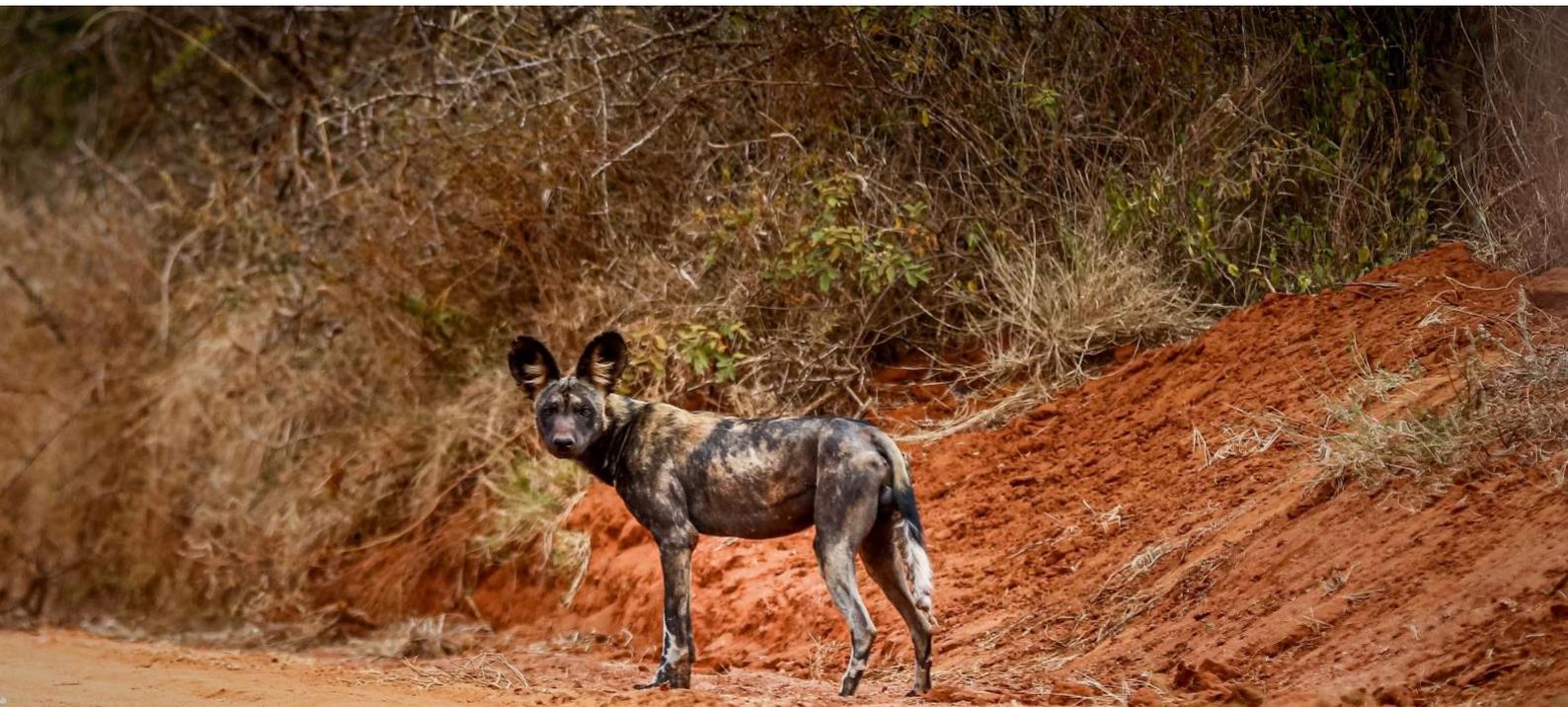


Photo shows a male Wild Dog in a pack of at least 10 dogs, near Tsavo Trust HQ on 22nd June 2020 in the TWNP – Triangle area.

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
5/6/20	1	-	1 old	Natural, ivory x 2 recvd., KWS/TT	TENP, Aruba
15/6/20	1	1	-	Natural, ivory x 2 recvd., KWS/TT	TWNP, R/Valley IPZ
17/6/20	1	-	1 old	Unknown, ivory x 2 recvd., KWS/TT	TENP, Kono Moju
25/6/20	1	-	1	Natural, ivory x 2 recvd., KWS/TT	TENP, Ndara
Month Total	4	1	3		
Total 2020	9	5	4		

- **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
-	-	-	-	-	
Month Total	Nil	-	-	-	-
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	-	-	Nil
TWNP	1	8	500 cows
TOTALS	1	8	500 cows

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
5/6/20	Routine recce: 1 elephant carcass, 2 ivory recvd; large numbers elephant, 5 Hirola; 1 Tusker VO1	TENP – Satao, Mukuuju
16/6/20	Rhino recce: 12 rhinos located	TWNP – IPZ
30/6/20	Routine recce: 3 collared elephants; 2 Cheetah; 500 cows & 8 bomas	TWNP, Jipe, Kanjaro

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 \$
Aerial support – ongoing TENP & TWNP	52hrs in Super Cub aircraft @ \$250 all incl.	13,000
Vehicle running costs - Field Mobile Teams (Tembo 1, 2, 3, 4 & 5) – ongoing TENP & TWNP	4 vehicles covered 9,561km @ \$1 p/km incl. fuel, tires, maintenance, servicing & f/c insurance	9,561
TT Field Staff x 30 (Tembo teams)	Not Included	-
TENP - Dakota Platoon Vehicle Diesel - ongoing	100ltrs p/month	100
TENP - DSTV Dakota Base - ongoing	Monthly subscription	40
TENP – KWS staff training	Research Scientist Masters training support over 2 years - ongoing.	-
TENP& TWNP – Sand Dam Project	Pending next construction of dams	-
TOTAL MONTH		\$ 22,701
TOTAL 2020 to DATE:		\$ 188,819

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)	30	1 Bushmeat poacher	-	4 4 small	-	1 axe, 1 panga, 1 bicycle, 1 lamping horn, 1 spotlight	-	2	2,164	144
Tembo 3 (TWNP) (6 TT Scouts + 3 KWS Rangers)	30	-	-	-	-	-	-	-	1,705	209
Tembo 5 (TWNP) 14 TT Scouts + 3 KWS Rangers	Temp. halted Due to COVID	-	-	-	-	-	-	-	-	-
Kamungi Scouts 4 Scouts	30	-	-	50 40 small, 10 large	-	-	-	-	-	254
TOTALS	90	1	Nil	54	Nil	As above	3	2	3,869	607
Total 2020	606	14	2	240	704kg	-	7	12	34,614	4,109

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)	24	-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 – 10 sighting -Hirola – 1 -Grevy’s Zebra – 2 -Large Carnivores – 7 -Road & Rail kills – 7 -Elephant carcasses – 1 -Rain gauge readings -Collared elephants – 5 Carnivore scat collect – 0	Tsavo East Nat. Park – mainly southern, central and eastern sections including Shirango Conservancy	2,033
Tembo 4 (TWNP) (2 TT staff + 2 KWS) 	30	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 9 -Tuskers - 0 -Large Carnivores – 4 -Collared elephants – 1	Tsavo West Nat. Park – IPZ & Triangle	3,659
TOTALS	54	As above	As above	As above	5,692
Total 2020	232	-	-	-	24,860

ACTIVITY	KAMUNGI Conservancy	SHIRANGO Community Conservancy
Ongoing partnership between Tsavo Trust & KC & SCC	North boundary of TWNP – Triangle. Total area 101km ² 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"> ➤ 8 community meetings held ➤ ZSL/Darwin – VSLA meetings – Nil ➤ Mtito fence meetings - 2 	➤ Nil
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	328 patients attended (1,511 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	10/6/20 & 23/6/20: 3 rd & 4 th Kamungi feeding assistance - 140 households	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 16 currently occupied.	N/A
Human Wildlife Conflict (HWC)	61 cases recorded: 51 elephant cases; 4 Leopard (2 shoats, 2 dogs); 3 lion (1 shoat, 2 dogs); others 3	17 cases recorded: 7 elephant; 1 hyenas (1 shoats); 9 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 – 110 direct sightings of 14 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: Nil ➤ Snares / traps / bushmeat: 50 snares ➤ Equip. recvd.: Nil ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: Nil ➤ HEC: Nil 	<ul style="list-style-type: none"> ➤ Arrests: 1 (bushmeat poacher) ➤ Snares & traps recvd.: Nil ➤ Equip. recvd.: 1 axes, 1 panga, 1 bicycles, 1 spotlights, 1 horn ➤ Elephant carcass / Ivory: Nil ➤ Night ambushes: 6 ➤ Poachers camps: Nil



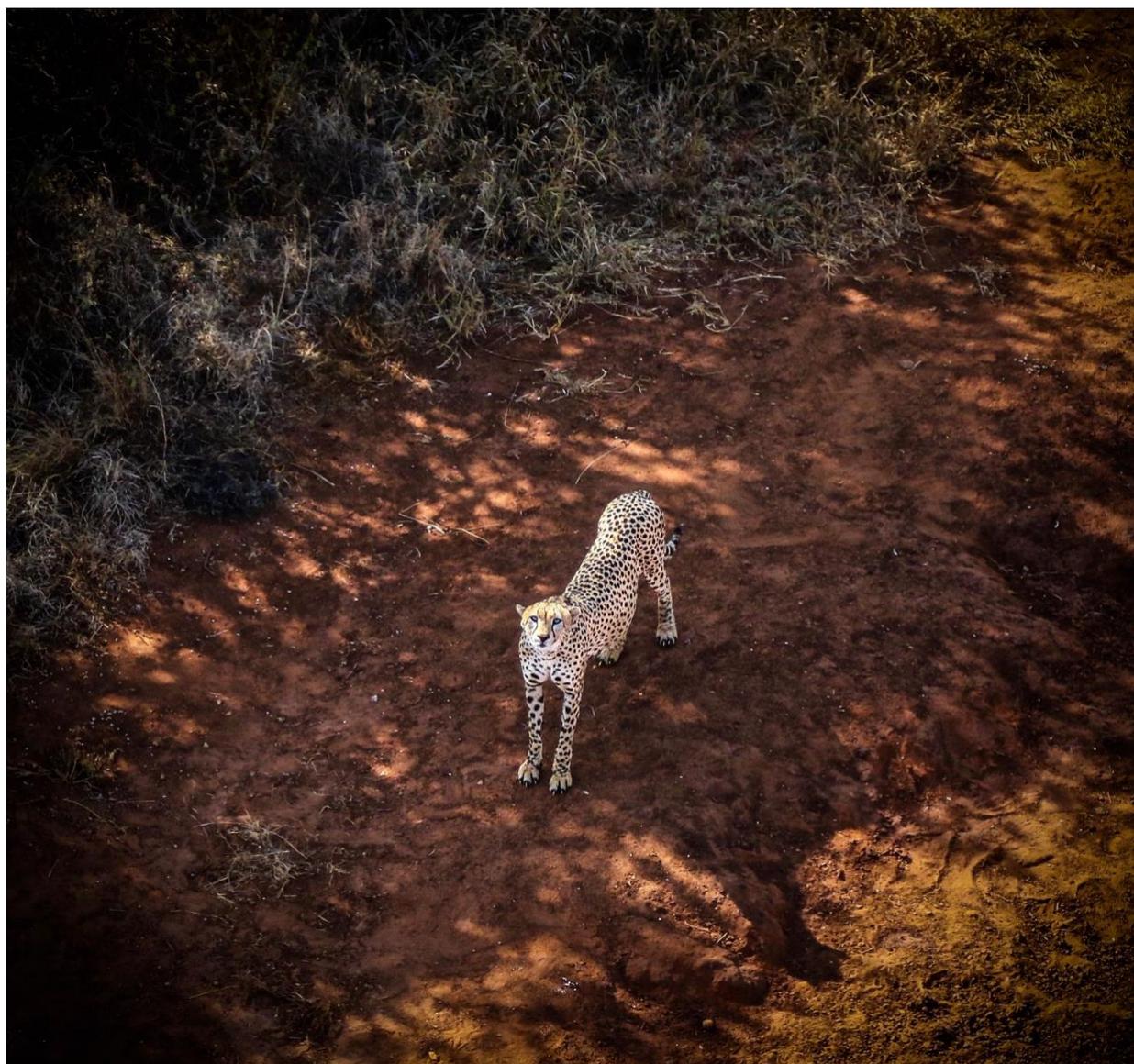
23rd June 2020 shows the 4th feeding program initiated within Kamungi Conservancy. This is a temporary gesture of assistance to our immediate neighbors during these challenging times of COVID-19 where many people have lost their jobs. 140 households received basic food stuffs worth \$2,000 x 2 per month. This support takes place twice per month at this stage.



12th June 2020, Tsavo Trust Board Member, Stuart Herd, donating further solar charging equipment, this time to Kamungi Conservancy.

This is to provide a basic clean energy charging system specifically for charging community members mobile phones. The panels and charger is placed at the Kamungi Water Project at Ngiluni Village.

Unusual Photo of the Month:



30th June 2020 - shows an aerial photo of a Cheetah in TWNP checking out the aircraft. In May 2020, a similar photo showed the same aerial view of a leopard.

With sincere thanks and appreciation:

Organisations: Kenya Wildlife Service; USAID/DOI; US Fish & Wildlife Service; The Oak Foundation; Leopardess Foundation; 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); Georg Waechter Memorial Foundation; Glassybaby White Light Fund; Ndovu Trust (UK); Satao Camp & Southern Cross Safaris (Msa); Origins Safaris; Ker & Downey Safaris; Tropical Ice Ltd; OnSafari-Kenya; Askari Project–Australia; Tofauti Foundation; Maasai Wilderness Conservation Trust (MWCT); Chesbro Foundation; Enos Enterprises–Tembo Wine; International Fund for Animal Welfare (IFAW); TUI Care Foundation; Empowers Africa; Design by Freedom; 51 degrees; Conservation Alpha; JW Seagon Insurance; Saving the Survivors; World Book; Lewa Canada; Pembroke House School and many more.

Individuals: Stuart Herd; Sir Colin Southgate; Nick Southgate; Nicole Honegger; Alex Graham; Nick Powell; James Robertson; Markus Jebsen; The Kratt Family; Loic Gouzer; Nick Lapham; Mike Kirkland; Paul Block; Anita Mishra & Paolo Mapelli; the late John Fletcher; Paul & James Wilson; James Chiappa; Will Burrard-Lucas; Drew Doggett photography; Goh & Courtney Iromoto; Prabha Sarangi & Connor Clairmont; Catherine Lagrange; Steve Parkinson; Howard Saunders; Sandor Carter; Sean Dundas; Karen Laurence-Rowe; James Lewin; Anthony Cheffings; Alan Binks; Andreas Fox; Prints for Conservation; Johan Marais; Chris Acreman; Alex Hunter and numerous other enthusiasts.

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