



Big Tusker Project 2020

Final Report to International Elephant Foundation

Reporting Period – 1st January 2020 – 31st December 2020

1. Cover Page

Project Title:	Big Tusker Project 2020 <i>Improved Security and conservation of elephants in Tsavo, Kenya</i>
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Administrator:	Alia Moller Administrator – Tsavo Trust P.O. Box 204 – 90128 Mtito Andei, Kenya Tel: +254 (0) 703 410n 776 Email: alia@tsavotrust.org
Budget:	Total Project Budget: US\$630,000 Total Requested: US\$30,000 and Received US\$ 30,000 from IEF
Project Starting Date:	1 st January 2020
Completion Date:	31 st December 2020
Present Status:	Final Report

2. Overall needs this project addresses, progresses and results (500 words max)

The Tsavo Conservation Area (TCA) spans a massive 42,000km² supporting immense biodiversity. It incorporates Kenya's largest official Protected Area's (combining Tsavo East, Tsavo West and Chyulu Hills National Parks (NPs) making up 22,000 km² - 49% of Kenya's National Parks); it houses Kenya's largest single elephant population (12,866 elephants – 2017 aerial census results), estimated 15,000 today; is home to the iconic "Tusker" elephants - arguably one of the last viable gene pools of "Tuskers" left on earth; and to many other "high value" species; it provides great potential to wildlife growth – a rarity in today's world.

Despite its vastness, large numbers of Tsavo's elephants naturally migrate outside the PA's, and rely upon 20,000 km² of dispersal areas that border the Parks for their important seasonal and permanent habitats. These "buffer" areas consist of surrounding ranches, private, communal lands, including community wildlife conservancies. Dispersal of elephants, into such areas results in many challenges; poaching for ivory and bushmeat and Human Elephant Conflict (HEC) are major and daily concerns.

This project aims to enhance elephant security and in so doing increase elephant numbers through consistent and reliable aerial anti-poaching patrols, working alongside the Kenya Wildlife Service (KWS) and other partners in the TCA.

Specific conservation needs this project address:

This project specifically supports Tsavo Trust's "*Big Tusker Project*" through our Wildlife Conservation Program.

- **Aerial Unit:** maintain regular aerial support to KWS providing "eyes in the skies" and real-time information on threats, poaching incidents and monitoring of "high value" species - especially the "Tusker" elephants.



Tsavo Trust Super Cub aircraft heading out from the HQ airstrip to carry out vital aerial reconnaissance to support elephant protection over Tsavo – October 2020

Progresses and results:

During the reporting period (1 year – 2020), a total of **78,043 kilometers** over **708 hours** of flight has been carried out over the TCA. Many areas, particularly “hot spot” zones and areas where the known “Tuskers” frequent have been regularly covered.

10 bull “Super Tuskers”, 26 emerging bull “Tuskers” and 5 iconic cow “Tuskers” are currently known by Tsavo Trust to live in the TCA. Tsavo Trust has made **356 total sightings = average of 1 sighting every day**.

Two emerging “Tuskers” coded TA1 and LA1 have been confirmed lost in 2020. Both were verified by Monitoring of Illegal Killing of Elephants (MIKE), to have died naturally from fighting with other elephants.

Tsavo Trust has located a total of **23 elephant carcasses** in 2020 and **recovered 43 elephant tusks** from aerial and ground team patrols.

Tsavo Trust provided aerial and ground assistance alongside KWS and Save The Elephants in an ongoing collared elephant monitoring program, our teams have observed **8 collared elephants on average each month**.

Ground anti-poaching teams in joint operation with KWS have; covered **67,136 kilometers** (over **1,158 patrol days**); collected **524 snares/traps**; made **25 arrests** (many of which are bushmeat and elephant poachers); recovered **1,477kg of bushmeat**. Ground monitoring teams working alongside KWS have; covered **64,986 kilometers** (over **552 patrol days**) of the TCA providing regular scientific data from field observations.

Tsavo Trust has provided vital aerial and ground support alongside KWS and other Tsavo stakeholders in the struggle against numerous fires in the TCA. The aerial unit carried out **32 hours** of flight, **covering 3,645 kilometers** specific to firefighting; and the ground teams patrolled more than **2,950 kilometers** over **32 patrol days**.

Tsavo Trust has continued its mandate in being a reliable field partner to KWS within the TCA through the above activities and results.



One of Tsavo's 5 Iconic cow “Tuskers” coded F-DI1 in Tsavo East NP – May 2020

3. Summarize the goals and objectives. For each objective, describe the specific actions taken to achieve it.
4. Describe any activities that differ from the original proposal and explain the reason for the change.

Goal:

To secure and maintain an increasing elephant population in the TCA, a population that holds the genes to one of the last viable populations of iconic “Tusker” elephants; through a holistic approach to biodiversity conservation **providing enhanced elephant security within the TCA** all in support of KWS as the key partner.

Objectives:

1. Aerial Unit: **Consistent aerial monitoring over the Tsavo Conservation Area** to individually identify on a regular basis the known iconic “Tuskers” of Tsavo whilst providing aerial coverage over the greater elephant population of Tsavo. Aerial Reconnaissance is arguably the most important tool in the fight against the Illegal Wildlife Trade, especially over the vastness of Tsavo.
2. **Biodiversity Monitoring:** To ensure continuity of iconic “Tusker” elephant database collation, and TCA biodiversity monitoring with a focus on elephants and their habitat which is shared with KWS and partners for management purposes.
3. Reduce poaching through establishing and maintaining informer networks, **gathering information** in key target communities.
4. **Reduce HEC** in two key wildlife Conservancies under stewardship of Tsavo Trust – Kamungi Conservancy and Shirango Community Conservancy.
5. **Prevent habitat loss and conversion of wildlife areas** through developing two key Wildlife Conservancies of Kamungi Conservancy and Shirango Community Conservancy.
6. Strengthen Tsavo conservation stakeholder capacity through **collaborative partnerships**.
7. Improve data and **understanding of Climate Change impacts** in the TCA.

Differing Activities:

There were no differing activities in relation to the original proposal.



One of 10 Iconic bull “Tusker” coded KO1 in Tsavo East NP – October 2020

5. Describe the conservation outcomes for elephants, other wildlife, habitat and human communities, and list major findings and accomplishments to date.

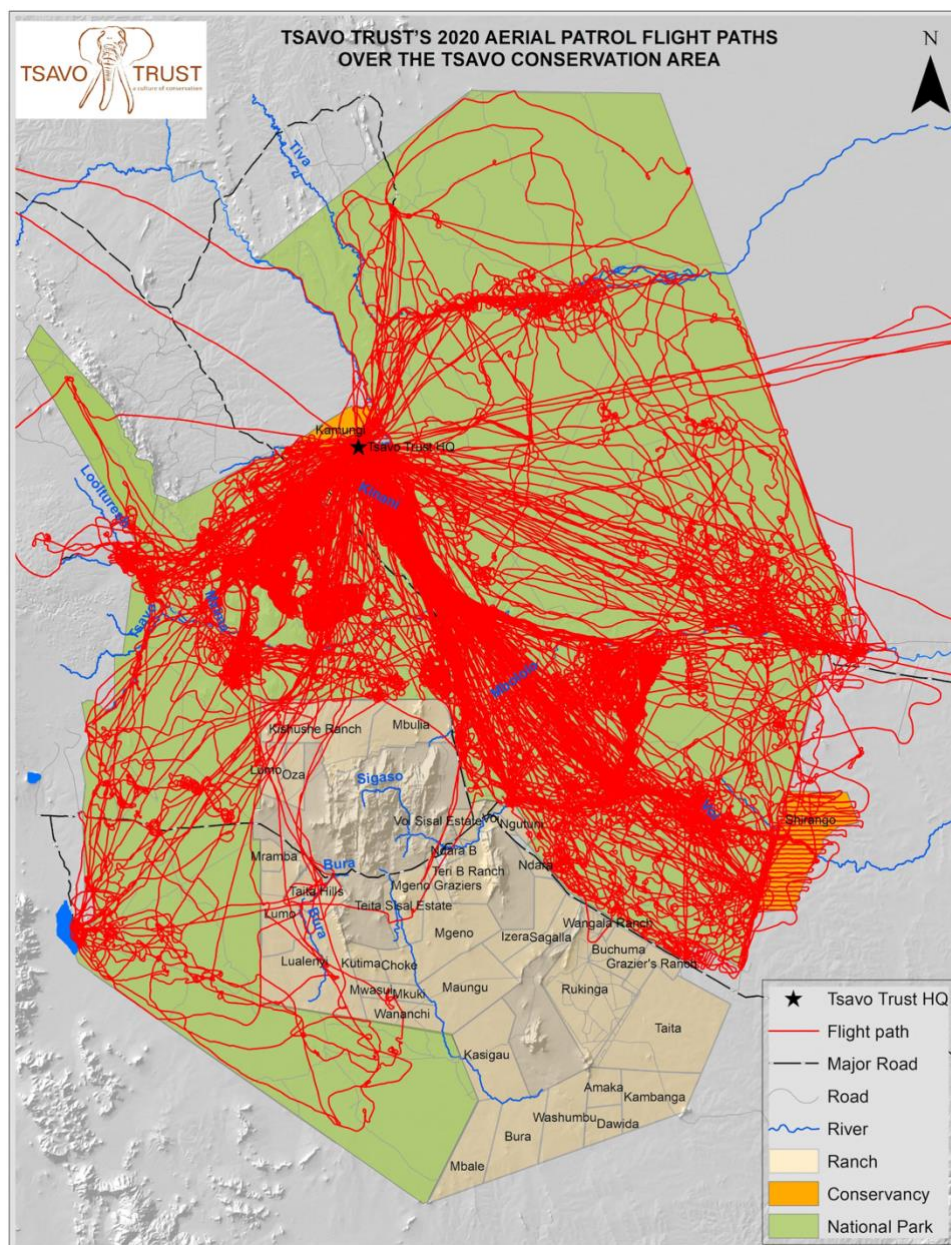
Conservation outcomes – Year January – December 2020:

Aerial reconnaissance:

78,043 kilometers over 708 hours of flight were carried out over the TCA in 2020.

With a reliable aerial unit working in tandem with ground teams and their informer networks the Tsavo Trust Tembo teams' operations have been effective in combating elephant poaching and addressing HEC threats to elephants. **1 elephant has been confirmed poached** and a **total of 523 HWC incidents** were reported by the Kamungi and Shirango Community Conservancies. 412 and 111 incidents respectively.

All Tsavo Trust's conservation activities are governed by a valid MoU with KWS. All patrol mandates are agreed with KWS. All flights carried out are low level (around 300 feet above ground) for best observation height and are with KWS Officers as rear seat observers. This gives real time information to the Officer covering his specific area of operation and full knowledge of his block from a "birds eye view" and in so doing directs effective field deployments.



2020 Field Activities Summary – Aerial and Ground Operations:








Field Conservation Operations

“Big Tusker Project”

“Community Conservancy Project”

2020 Field Activities Summary – Aerial & Ground Operations:

WILDLIFE CONSERVATION PROGRAM: <i>Big Tusker Project – Aerial & Ground Activities</i>		
Activity	Hours Flown	Kilometers Covered
 Aerial Reconnaissance	708hrs (Ave. 59 p/month) Average 110 km p/h of low-level flight	78,043 (Ave. 6,504 km p/month) Flights carried out jointly with KWS staff
 Rhino specific flights	255hrs (Ave. 21.3hrs p/month)	28,754km (Ave. 2,396km p/month)
	Field Patrol Days	Kilometers Covered
Ground Activities (Joint KWS / TT)	Protection teams: 1,158 days Monitoring teams: 552 days	Vehicle patrols: 67,136 km Foot patrols: 7,739 km Monitoring teams: 64,986km
 Big “Tuskers” observed	22 Tuskers - 10 Super Tusker bulls, 18 emerging bulls, 4 iconic cow Tuskers = 356 individual observations (Ave. 1 sighting every day)	
Ivory recovered – KWS/TT	43 elephant tusks & 2 rhino horns (from aerial & ground team findings)	
Elephant mortality	Fresh (less than 3 weeks old)	Recent (less than 3 months old)
	15 – (c of d: 10 natural, 5 unknown)	8 (c of d: 5 unknown, 2 natural, 1 poached)
Total located	23 carcasses located (1 every 30.8hrs of flight)	
Poacher camps/hides	Fresh - 13	Recent – 1
Arrests	25 – by KWS / TT – (2 elephant poachers & 23 bushmeat poachers)	
Bushmeat recovered	Bushmeat recvd: 1,477kg	
Snares/traps recovered	524 (Snares: 388 small; 112 medium, 24 large)	
Human Wildlife Conflict Reported incidents	Kamungi Conservancy: 412 / Ave. 34.33 p/month (mainly crop raiding elephants) Shirango Conservancy: 111 / Ave. 9.25 p/month (mainly stock killing predators)	
Illegal Livestock (only in PA)	49 cattle bomas (18,695 + cows; 5,500 shoats; 2 camels; 47 people)	
Written reports to KWS	562 (daily Situation reports, various communications & 1 monthly report)	
Other Significant Activities	<ul style="list-style-type: none">COVID-19 Pandemic has increased the challenges of fund raising for conservation resulting in reduced TT operational activities (ground & aerial)3 sand dams constructed (2 TW; 1 TE) – water for wildlife project (WCS/Disney support)10% fence plan Kamungi Conservancy: 3 plots completed – HWC mitigation (Tofauti support)Bushmeat poaching clearly on the increase!9/4/20: Deployed TT Tembo 4 vehicle to TWNP IPZ to assist KWS & ZSL - rhino monitoringApril20: Started monthly Kamungi community feeding program: 9 distributions to 140 households (Elephant Cooperation support)April to Oct20: Serious bush fires engulf many parts of Tsavo – ground & aerial fighting3/10/20: Wildlife Ranger Challenge TT/KWS team came 18th / 88 teams (Tusk Trust support)1/12/12: Re-deployment Tembo 5 anti-poaching team new vehicle - TWNP (USAid / DOI support)16/12/20: Opening of Kamungi Water Project Phase 2 (Cheyenne Mountain Zoo support)22/12/20: Donation of 1 new Toyota Land Cruiser, 1 tractor & 2 trailers to KWS TWNP specific for rhino protection in IPZ. (Wildlife Conservation Network/Rhino Recovery support)30/12/20: TT Staff member tragically killed by elephant within Kamungi RIP	
COMMUNITY CONSERVANCY PROGRAM:		
 North boundary TWNP	<ul style="list-style-type: none">North boundary of TWNP–Triangle. Total area 101km² Makueni County; Mtito Andei Sub-location<u>Employment</u> (through T/Trust): 30 permanent, 20 temporaries<u>Membership</u>: 1,400 peopleOngoing Projects: Water project; Dispensary support; Kamungi HQ construction; VSLA’s; feeding program; HEC-Mtito fencing; HWC 10% Fence Plan; anti-poaching	
 South boundary TENP	<ul style="list-style-type: none">South boundary of TENP – Voi River area. Total area 270km². Kilifi County; Gede Sub-location.<u>Employment</u> (through T/Trust): 12 permanents<u>Membership</u>: 2,300 peopleOngoing Projects: Water project; security outpost development; anti-poaching	

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Graph below: Shows a summary of Tsavo Trusts field activities and findings over the last 8 years, from 1st January 2013 (our operational start date) to end December 2020. It is very clear to see that Illegal Wildlife Trade activities have decreased very significantly over these years, especially elephant and rhino poaching. Tsavo Trust is delighted to have contributed towards this positive trend by assisting Kenya Wildlife Service and complimenting their successes alongside other Tsavo stakeholders.

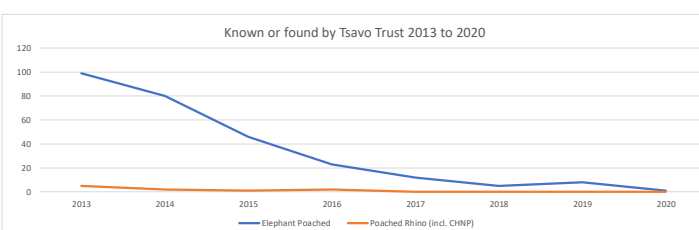
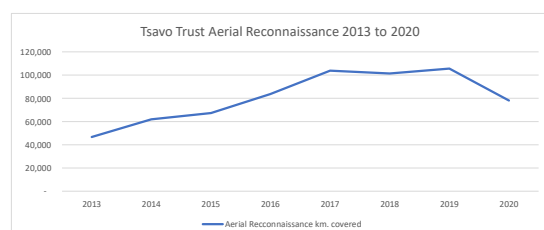


Tsavo Trust Field Activities Summary - Aerial and Ground Operations 2013 to 2020

	2013	2014	2015	2016	2017	2018	2019	2020	Total
Aerial Reconnaissance km. covered	46,685	61,931	67,377	83,831	103,777	101,262	105,716	78,043	648,621
Aerial Reconnaissance hours flown	383	515	567	691	867	863	927	708	5,521
Super Cub aircraft	1	1	1	1	2	2	2	2	
Ground Protection Teams	0	1	3	3	3	4	4	3	
Ground Monitoring Teams	0	1	1	1	2	2	2	2	
Ground Protection Teams - Patrol Days	-	152	109	120	677	860	1,037	1,158	4,113
Ground Protection Teams - Distance	-	13,272	7,458	7,665	81,166	87,513	113,955	67,136	378,165
Ground Monitoring Teams - Patrol Days	81	243	294	326	359	455	545	552	2,855
Ground Monitoring Teams - Distance	9,123	28,608	29,932	37,623	57,070	63,570	72,007	64,986	362,919
Individual Super Tusker Bulls	11	12	10	10	10	8	8	10	79
Individual Emerging Tusker Bulls	6	11	18	16	18	20	27	33	149
Individual Cows Tuskers	4	5	7	7	7	5	6	6	47
Big Tusker sightings - Bulls	52	215	475	174	150	365	335	317	2,083
Big Tusker sightings - Cows	9	12	97	51	73	27	24	39	332
Total Big Tusker Sightings	61	227	572	225	223	392	359	356	2,415
Ave Tusker sighting per day	0.17	0.6	0.6	0.6	0.6	1.1	1.0	1.0	
Tuskers lost - bulls	3	4	3	2	6	2	2	2	24
Tuskers lost - cows	0	1	-	1	3	1	-	-	6
Ivory Recovered	31	34	18	97	241	129	66	43	659
Rhino horn recovered	-	-	-	-	-	-	2	2	4
Elephant carcasses - Fresh	36	78	45	64	110	17	30	15	395
Elephant carcasses - Recent	39	28	10	19	52	46	15	8	217
Elephant carcasses - Total	75	106	55	83	162	63	45	23	612
Hours flown per carcass located	5.11	4.86	10.31	8.33	5.35	13.70	20.60	30.78	9.75
Poachers camps/hides - Fresh	43	24	5	9	27	20	12	13	153
Poachers camps/hides - Recent	8	15	11	12	16	3	14	1	80
Arrests	29	47	276	153	101	42	67	25	740
Bushmeat Recovered	98	150	352	450	426	99	417	1,477	3,469
Snares recovered	155	283	149	1,043	1,008	841	644	524	4,647
Responses to armed incidents	12	17	11	3	7	-	-	-	50
Cattle bomas	126	391	288	481	627	210	167	49	2,339
Cows	117,500	209,500	181,000	219,000	244,590	125,260	120,350	18,170	1,235,370
Shoats	65,000	72,500	68,000	90,500	88,000	51,100	13,300	5,250	453,650
Camels and donkeys	1,100	800	1,200	900	1,764	1,500	-	2	7,266
People	181	215	203	281	1,113	316	267	47	2,623
Charcoal kilns	139	212	229	89	27	18	19	15	748
Written reports to KWS	113	236	373	453	514	689	841	562	3,781

Poached Elephant and Rhino numbers (only those known or found by Tsavo Trust - not official KWS figures)

	2013	2014	2015	2016	2017	2018	2019	2020	Total
Elephant Poached	99	80	46	23	12	5	8	1	274
Poached Rhino (incl. CHNP)	5	2	1	2	-	-	-	-	10
Elephant - Gun shot	63	51	27	11	5	2	2	-	161
Elephant - Poisoned arrow	36	29	19	12	7	3	6	-	112
Elephant - Cable snare	6	4	2	0	2	-	-	-	14
Rhino - Gun shot	5	2	0	2	-	-	-	-	9
Rhino - Poisoned arrow	0	0	0	0	0	-	-	-	0
Rhino - Cable snare	0	0	1	0	-	-	-	-	1



6. Approximately how many humans/communities are/were impacted by your project? Approximately how many elephants are/were impacted by your project?

Humans impacted by project:

Humans directly affected by this project are shown in the summary table, and essentially are those involved in illegal wildlife activities within the Protected Area.

Communities impacted by project:

Communities directly affected by this project include those of the Kamungi and Shirango Community Conservancies, that have **1,400 and 2,300 registered members respectively**. Tsavo Trust provides stewardship in the development of the Kamungi and Shirango Conservancies that benefit through the conservancy model; employment of community Scouts that form part of our anti-poaching Tembo teams; adding to the protection and monitoring of elephants in Tsavo.

Elephants impacted by project:

Approx. 15,000 elephants (estimated population 2020; Total TCA Aerial Census due in early 2021).

This project is more of a direct focus on elephants rather than humans.

7. Describe any problems discovered or that occurred during this grant period.

COVID-19 Pandemic effects:

With the significant loss in employment opportunities and a struggling economy due to Covid-19 and the sudden hiatus in the tourism sector, communities living on the boundaries of Protected Areas are shifting more and more to the illegal extraction of natural resources to survive. This in turn has had a huge “knock-on effect” towards wildlife security. There has been more bushmeat recovered by the joint Tsavo Trust/KWS teams in the year 2020 than in any other given year since Tsavo Trust began operations in 2013. (See annex 1 below – bush meat poaching graph). We have also received informer reports suggesting elephant poachers are active again.

With the significant reduction of tourism mainstream revenue to KWS, this has in turn increased the pressure on their conservation partners such as Tsavo Trust and the private sector conservation organisations to step up support.

In response to Covid-19, Tsavo Trust implemented a phased cost cutting strategy (currently on Phase 4) to daily operations, which consequently reduced our operating capacity by at least 26%. Tsavo Trust has refrained from laying off staff, the majority have instead taken minimal pay cuts. We continue to carry out all the activities under this projects agreement despite the challenges of COVID-19.

International Elephant Foundation has been very generous to Tsavo Trust’s endeavors and for this we and our conservation partners that rely on us heavily, are truly grateful. The summaries above are a clear indication that Tsavo Trust has become a vital and reliable conservation partner to the KWS in the TCA, and delivers a great impact at ground level.

8. Was your project successful? State short and long-term goals that you are using to evaluate your accomplishments.

Yes. Short and long-term goals that are being used to evaluate accomplishments include:

Aerial Reconnaissance desired status used to evaluate accomplishments:

- **708 hours** flown for conservation of elephants
- **78,043 kilometres** flown
- Continued monitoring to provide information for ground security deployments. **Protection teams: 1,158 field days; monitoring teams: 552 field days**
- Reduce number of poached elephants – from the **23 elephant carcasses found, 1 was confirmed as poached**. Combined KWS and conservation partners in TCA have helped reduce elephant poaching by over 70% in last 6 years.
- Destroy and reduce number of poaching activities. **14 poachers' camps destroyed**
- Continually give KWS and Tembo teams location info. So, effective ground security deployments can be made and in so doing reduce illegal activity.
- Be positioned to react swiftly to armed threats.
- Continue to maintain the "Tusker" database: **total sightings 356 = average of 1 sighting every day**.
- Work in tandem with ground anti-poaching teams to locate carcasses to ascertain cause of death and recover ivory: **23 fresh or recent elephant carcasses located and 43 elephant tusks recovered**.

Ground protection team desired status used to evaluate accomplishments:

- Significantly reduce elephant poaching: **1 confirmed poached**
- Arrest elephant and bushmeat poachers: **25 arrests**
- Recover as many elephant tusks from poachers or found carcasses as possible: **43 elephant tusks recovered**
- Remove all snares found: **524 wire snares recovered**
- Respond to all HWC incidents: **total incidents 523**

Ground monitoring and research team desired status used to evaluate accomplishments:

- Regular monitoring enhances their security and gives a presence in their home range: **552 field days**
- Continue to provide this support to KWS
- Continue to provide support to KWS for MIKE data: **23 elephant carcasses verified**
- Continue to maintain the "Tusker" database: **356 total sightings = average of 1 sighting every day**
- Continue to collect ivory and rhino horns from carcasses to stop them entering the illegal market: **43 tusks and 2 rhino horns recovered**

Informer networks desired status used to evaluate accomplishments:

- Informers are identified and recruited for each key target community and are regularly communicating with intelligence officers and providing accurate and timely information.

Investigations and prosecution desired status used to evaluate accomplishments:

- All crime scenes are secured, with evidence chains secured, leading to strong cases, and successful prosecutions.

9. Based on this Project, what is the “next step” for this project and does it have implications for future conservation actions?

“Next steps” for the Project:

- Bring aerial operational support to KWS back to full capacity. Currently reduced due to COVID-19 from 75 hours to 50 hours per month.
- Fundraise for the following:
 - Increase the capacity for Aerial Reconnaissance flights through the addition of a third Super Cub aircraft. The aircraft identified is a currently out of service Piper Super Cub owned by Tsavo Trust (registration 5Y ACE). Fundraising is ongoing to raise funds to overhaul and recondition this aircraft. This continues to be delayed due to COVID-19.
 - Carry out further pilot training for an additional pilot at Tsavo Trust to assist on carrying out monitoring flights and assisting in operations. Currently delayed due to COVID-19, however discussions have begun.
 - Upgrade the Tsavo Trust Operations room from TRBOnet tracking tool to EarthRanger for relaying live patrol positions on Operations room monitors. Funding for this has been secured. We await the 51 Degrees team from Lewa to visit for installation.
 - Continue to provide assistance through expanding operations where necessary to partner with Community Conservancies bordering the NP including the Kamungi and Shirango Community Conservancies to improve livelihoods, pave the long road to self-reliance and to protect and conserve the Tsavo ecosystem.



Photo of the iconic bull “Tusker” coded BA1 found alone in Tsavo East National Park by the Tsavo Trust Aerial Unit. If you look closely in the background there is a cheetah mother and her small cub jumping from the bushes – 6th September 2020

10. Provide at least one human interest story.

Wildlife Ranger Challenge 2020 – Tsavo Trust Kamungi Scouts

COVID-19 has made protecting the Tsavo Conservation Area and wildlife across Africa increasingly challenging: many people have lost their jobs and the reliable mainstream income following the overnight disappearance of tourism revenue streams across the board. This in turn has had a “knock on effect” towards wildlife security and has left a huge deficit in conservation funding. Rangers are enduring drastic cuts in salaries and resources due to the devastating economic impacts of COVID-19.

Families are left penniless and wildlife unprotected. We have already seen an upsurge in bushmeat poaching in Tsavo - 1,410kgs of bushmeat was recovered by the joint Tsavo Trust / Kenya Wildlife Service (KWS) anti-poaching teams in the first 9 months of 2020. This is the highest on record for a given year since Tsavo Trust started field operations in 2013. We believe the situation will only worsen as livelihoods become more challenging and reverting to illegal natural resource extraction from Protected Areas becomes a necessity. Government agencies across Africa have increased the pressure on conservation partners such as Tsavo Trust, and the private sector conservation organisations to step up support.

August 2020: Tusk Trust launched the innovative Wildlife Ranger Challenge, a race of 21km that took place on 3rd October, with the goal of raising money to support thousands of wildlife rangers across Africa and to allow for the continued protection of Africa’s iconic wildlife such as Elephants, Rhinos, Hirola and many more.

The Tsavo Trust team were 1 of 88 successful applicants chosen to participate in the challenge and benefit from the funding raised. 4 members from the Tsavo Trust Kamungi Scouts team (supported by International Elephant Foundation since 2013) volunteered for the event - Joshua Kitavi, Morris Muthoka, Stephen Sila and Johnson Parkusaa, along with a KWS ranger - George Otieno. Training for the event started immediately with various fitness challenges happening each week. From the onset, the team of 5 were extremely competitive, enthusiastic and well-coordinated. Challenges included: how many pushups, sit-ups and burpees the team could do in 2 minutes and an online general conservation / wildlife-based quiz. Always taking part as a team, the 5 participants scored an impressive 5th place in the pushup challenge with 79 pushups that took place on 31st August 2020; 4th place in the burpees challenge with 65 burpees that took place on the 14th September 2020 and 18th place in the main event run finishing the race in 3:0:56 seconds that took place on 3rd October 2020.

April 2020: Tsavo Trust implemented serious cost cutting strategies to daily operations due to the outbreak of COVID-19. Phase 1 comprised of a 40% - 60% reduction in staff salaries and our operating capacity across the board. Tsavo Trust has been extremely fortunate to have the ongoing support of the International Elephant Foundation, as well as the unique Wildlife Ranger Challenge and our dedicated team of rangers, which has allowed us to continue our core ongoing activities including: aerial and ground anti-poaching and monitoring patrols all in support of our key partner the KWS, and maintaining stewardship and support to the Kamungi and Shirango Community Conservancies that border the Protected Area. Tsavo Trust is now on Phase 4 with all staff salaries being increased to 90% (Phase 4 cost cutting strategy attached).

11. List all organizations associated with this project and their roles in the project.

Kenya Wildlife Service (KWS) – National mandated agency for wildlife management in Kenya
Save The Elephants (STE) – provide co-financing for the *Big Tusker Project* – collared elephant monitoring, as well as being a collaborative partner.

Zoological Society of London (ZSL) – partner with Tsavo Trust and KWS, specific to Black Rhino conservation in Tsavo West NP, aligned to the National Rhino Strategy.

USAID – provide co-financing for the Wildlife Conservation and Community Conservancy Programs.

Oak Foundation – provide co-financing for the Wildlife Conservation Program – rhino focused.

Leopardess Foundation – provide co-funding for the *Big Tusker Project*.

JM Foundation Africa – provide co-financing for the *Big Tusker Project*.

Cheyenne Mountain Zoo – provide co-financing for the *Big Tusker Project* and Tsavo Trust HQ.

Tusk Trust – provide co-financing for the *Big Tusker Project*.

WCS Disney Conservation Fund – partner with Tsavo Trust as a field implementor and KWS in the construction of Sand Dams.

Kamungi Conservancy - conservation partners bordering Tsavo West NP.

Shirango Community Conservancy – conservation partners bordering Tsavo East NP.

12. Include an itemized financial report of IEF funds spent as a separate page of the report.

Itemized financial report attached.

Total received from IEF: US\$30,000

Total Spent at Mid-term Report: 15,017

Total Spent at Final Report: US\$31,215

Total Budget Covered by Tsavo Trust: US\$1,215

13. Submit at least five high resolution digital images (500 dpi or over) representative of the Project as separate individual files for each 6 month and final report.

Photos attached:

1. Iconic cow Tusker elephant coded F_DI1 – 17th August 2020
2. Bull Tusker elephant coded WS1 – 15th July 2020
3. Bull Tusker elephant coded KO1 – 18th October 2020
4. Bull Tusker elephant coded IL1 – 31st July 2020
5. Tembo 3 anti-poaching team in Tsavo West NP assisting in the Zero Delta firefighting efforts – 15th September 2020
6. Aerial photo of the TWNP Zero Delta fire – September 2020

14. Submit at least one video clip least 2 minutes in length for each 6 month and final report.

Short video clip showing the Tsavo Trust 1 seater Super Cub aircraft conducting aerial reconnaissance flights over the TCA – 26th October 2020

15. Do you intend to publish and/or present your findings at a conference or symposia?

No.

16. Has your project received any media coverage?

Tsavo Trust video clip:

TEASER: <https://f.io/KTGOIkup>

FULL FILM: <https://f.io/UVjnNZvw>

Tsavo Trust blogs:

Link: <https://tsavotrust.org/news/>

Prints for Conservation: Photographic Prints for sale

Website: <https://printsforconservation.com/>

Freedom Sleeve: Biodegradable coffee sleeve campaign

Website: <https://www.thefreedomsleeve.coffee/>

17. Please list all websites, blogs, social media accounts, etc associated with the project, its investigators, and organizations (this includes Facebook, Twitter, Instagram, etc)

Website: <https://tsavotrust.org/>

Facebook Page: <https://web.facebook.com/TsavoTrust>

Twitter account: <https://twitter.com/TsavoTrust>

Instagram account: <https://www.instagram.com/tsavotrust/>

Tsavo Trust blogs: <https://tsavotrust.org/news/>

18. Attachments (photos and video shared on WeTransfer):

1. COVID-19 Phase 4 – 1-page summary
2. Bushmeat and Snares Graph 2013 to 2020
3. Itemized financial report of IEF funds spent 2020
4. Human interest story 2x photos of the Tsavo Trust Wildlife Ranger Challenge team - October 2020
5. 6 high-resolution images representative of the Project – listed above
6. Video clip showing the Tsavo Trust 2-seater Super Cub aircraft conducting aerial reconnaissance flights over the TCA