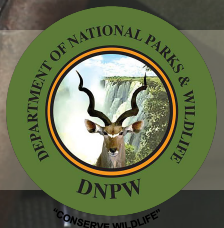


GAME RANGERS

INTERNATIONAL

2019 Annual Review

In partnership with Local Communities and
the Department of National Parks and Wildlife





IN JUST A YEAR WE'RE MAKING OUR PRESENCE FELT.

As in nature, one's path in business can present unexpected challenges. The tumultuous events of 2020 have not deterred us from moving forward our ambition to create a financial services and advisory presence that is fresh and different. If you're looking for new answers on Assurance, Tax, Accounting, Advisory and Training from a team that cares about your success, we look forward to your call.

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CEO's Message

This time twelve years ago we had just finished building Zambia's first elephant orphanage, which at the time was home to three (3) x young orphans, rescued from as many different protected areas in the country. We were also busy empowering ten (10) x new Wildlife Rescue Rangers, who would spend the next few years being trained to nurture and protect these incredibly vulnerable and tragic victims of poaching and human wildlife conflict. Little did we know back then, that: on the 9th September, 2019, one of these three orphans: Chamilandu, would give birth to Mutaanzi* David – Zambia's first wild born calf to an orphaned elephant.

This momentous occasion in 2019 marked a huge milestone for GRI and all our partners, including the Department of National Parks & Wildlife Management (DNPW), as well as the local communities living contiguous to the Release Area where these orphan elephants roam freely. The birth of Mutaanzi David, who takes his last name after one of conservation's great champions: Mr David Shepherd, represents the culmination of so many combined successes (and failures) over the last twelve years, but ultimately, he stands as a symbolic beacon of 'Hope and Determination' for us to work even harder and to do more to protect the future of the species and the landscapes within which these iconic beasts and all other wildlife roam.

To this end, a big part of our focus, as we enter 2020 will be the empowerment of even more Rangers to help secure the Release Area for Zambia's orphaned elephants. This refuge, which spans more than 1,000,000 x acres of Kafue south and its surrounding GMAs will provide a safe haven for Mutaanzi David, as well as numerous other threatened species including: lions, wild dogs, cheetah, pangolins and more than 3,000 wild elephant to survive and thrive. It's an ambitious undertaking that, will require the collaboration of multiple partners and most importantly, the buy-in and participation of local communities living contiguous to the Release Area. Happy communities = happy wildlife.

In closing, I wish to recognise and thank each and every person who has played their part, big or small, in helping us to reach our thirteenth birthday. It has been a massive team effort on so many different levels. We have met and worked with so many wonderful people and organisations along the way. Of course, none of what we have achieved during the last 12 years would have been possible without your amazing support and encouragement. For this we are truly grateful. On behalf of everyone in GRI, I wish to thank all of you, most sincerely for your commitment to conservation and I welcome you, wholeheartedly, to be an ongoing part of our special journey. Thank you.

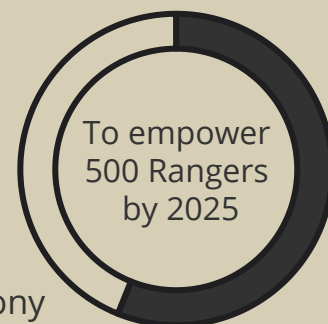
Mutaanzi – 'first born' in the local Ila language*

Sport Beattie
Founder and CEO

MISSION

Empowering Rangers and Local Communities to Conserve Nature

GOAL



VISION

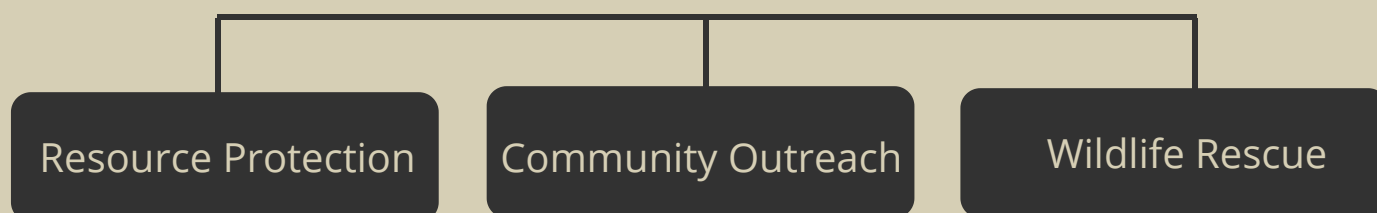
A sustainable planet where man and nature co-exist in total harmony

VALUES

Empowerment - Fairness - Integrity - Trust - Transparency - Team Effort - Accountability

ABOUT

Game Rangers International (GRI) is a non-profit conservation organisation working alongside the Department of National Parks and Wildlife (DNPW) and local communities to protect wildlife in Zambia. GRI embraces a holistic approach to conservation, empowering Rangers across three core thematic areas:



GRI's core capability lies within its Ranger Empowerment Model which is designed to facilitate and empower existing Rangers with adequate levels of welfare, training and operation support, to motivate them to be more efficient and effective in conserving wildlife.

The Ranger Empowerment Model is a partnership with government, whereby government provides the manpower, pays the salaries and meets the statutory obligations in relation to this manpower, and GRI supports the rest, including but not limited to: - housing, schooling, medical & bereavement support, performance bonuses, uniforms, kit & equipment, vehicles and logistics, rations, communications, technical and support services.

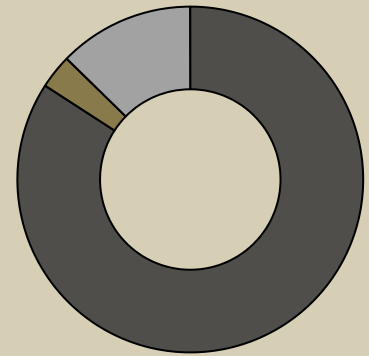
This standardised plug and play model is easily replicable, allowing for rapid expansion into hotspot areas. Equally, the Ranger Empowerment Model is very scalable, thus allowing for its deployment across large protected area landscapes. A centralised administrative support and governance system ensures that donor funds are maximised via an exponential economy of scale.

FINANCES

Income

Grants	\$1,503,059.16
Fundraising	\$56,969.99
Other (donations, adoptions, pledges)	\$226,319.76
Total	\$1,786,348.91

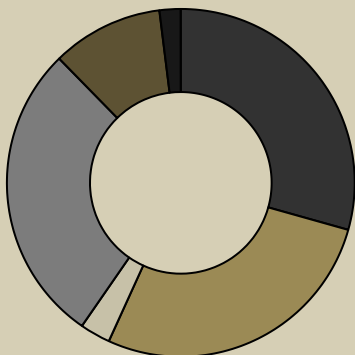
- GRI funds the Administrative and Financial Support Department through levying 10% of all grants and through unrestricted fundraising
- The 2019 total income of \$1,786,348.91 is an increase of 39% over the 2018 income.
- GRI's own fundraising efforts, which include in-country events, donations, adoptions and pledges contributed to 16% of total income



- Grants
- Fundraising
- Other

Expenditure

Resource Protection, including the Community Wildlife Project (48.8%)	\$1,025,379.59
Wildlife Rescue	\$490,145.19
Community Outreach	\$50,669.06
Admin	\$185,158.07
Reserve Fund	\$34,997.00
Total	\$1,751,351.91



- In 2019, GRI established a Reserve Fund, and was able to set aside \$34,997 for this purpose.
- GRI will continue to fundraise towards its target of establishing a 6 month Reserve Fund

- Resource Protection
- Wildlife Rescue
- Community Outreach
- Community Wildlife Project
- Admin
- Reserve Fund

A yellow patrol vehicle, labeled 'SAPU 2', is parked on a dirt path in a savanna environment. Several rangers in green uniforms are visible in the vehicle. The background shows dry trees and a clear sky.

RESOURCE PROTECTION

GRI's Resource Protection Programme supports the Department of National Parks and Wildlife to provide welfare, training and operational support to wildlife personnel on the frontline of conservation.

GRI's Resource Protection Programme protects Zambia's wildlife by countering illegal wildlife crime, and currently supports over 100 frontline rangers. The DNPW 'Special Anti-Poaching Unit' (SAPU) is an intelligence led rapid reaction force, which conducts strikes against illegal trafficking networks in and beyond KNP. It is now comprised of 3 full time teams, SAPU North and SAPU South, both supported by DSWF, and SAPU KAZA supported by Space for Giants. Since it was founded in 2013, SAPU has apprehended 710 poachers, recovered 361 illegal firearms and seized over 22 tonnes of bushmeat.

The Marine APU operates from the Musa Command Post in KNP South and provides a full time presence on and around Lake Itzhi-Tezhi to combat poaching and illegal fishing. It provides law enforcement manpower for the the Connected Conservation Initiative, supported by WWF, CISCO systems and FLIR, which has created a 19km virtual fence line of thermal imaging cameras to detect and intercept illegal park entry across the lake.

In 2019 GRI, with support from USAID, established the Community Wildlife Protection Project. The project goal is to support community action for resource protection to decrease poaching and reduce fire, in the Mumbwa and Namwala Game Management Areas (GMAs), in order to improve and sustain benefits from wildlife conservation. CWP supports 34 Community Rangers from an upgraded Mweengwa Patrol Base and has installed a digital radio network.

The GRI - Rufunsa Conservation Project supports DNPW to secure the Rufunsa Game Management Area (RGMA), an area of 300,000 hectares on the eastern boundary of the Lower Zambezi National Park (LZNP). RGMA's 30 rangers are supported by GRI, Conservation Lower Zambezi and BioCarbon Partners.

GRI's full time Workshop and Maintenance Team maintain existing physical assets and support the development of additional park infrastructure, such as upgrades to Chunga Training School.

2019 Results



138

Poachers Apprehended



6,285

Ranger Training Days



9,802

Ranger Patrol Days Conducted



315

Patrols Conducted



48

Illegal Fishing Boats Recovered



2,369kg

Bushmeat Seized



76

Poachers' Camps Dismantled



349

Snares Removed

Achievements to Date



24,989

Bushmeat Seized



2,075

Patrols Conducted



416kg

Ivory Recovered



293

Poachers' Camps Dismantled



512

Illegal Firearms Seized



2,391

Snares Removed



15

Live Pangolins Recovered



1,045

Poachers Apprehended



32

Vehicles Recovered

GRI's Resource Protection Programme is generously supported by:



Essential additional Ranger Training was delivered by external partners including **Operation Footprints**, 51 Degrees and First Aid Africa.



The **CCI system** became operational in early 2019, and this coincided with training to empower the control room operators to monitor the system and for DNPW SAPU and Marine APU to provide rapid reaction responses to infringements detected by the system.



The establishment of **Rufunsa Conservation Project** provided vital protection at an essential corridor between the Luangwa and Zambezi eco-systems.



GRI established, with **USAID** funding, the CWP Project and upgraded the Mweengwa Gate APU Base, empowering 34 community rangers.



SAPU KAZA was established with Support from **Space for Giants**, in order to extend SAPU's reach towards Zambia's southern borders. The support also delivered Advanced Tactics Training was delivered by 51 degrees to SAPU Rangers.



GRI provided logistical and administrative support to DNPW **Chunga Training School** for 3 months Basic Training for over 150 Community Scouts from across Zambia, including 62 Rangers supported by GRI Donors.



GRI established its Field HQ at **Musa Gate**, to better support intensified operations in Southern KNP and deeper into KAZA. SAPU North continues to operate from **Hook Bridge**.



2020 OBJECTIVES



1. Continue to strengthen support in KNP South, especially around the Release Area of GRI's Elephant Orphanage, with increased operations from Musa and by resuming support in the Nkala GMA



2. Install a full time Resource Protection Director to consolidate GRI's Resource protection activities



3. Support GRI's Aerial Support Unit Savannah to become operational once more above the skies of KNP.



4. Further support to CCI to build a pattern of life for illegal activity on Lake ITT, in order to better target law enforcement response against illegal activity.



5. Continue to embed SMART (Spatial Monitoring and Reporting Tool) in all GRI supported Operations.





COMMUNITY OUTREACH

GRI's Community Outreach Programme supports the Department of National Parks and Wildlife to raise conservation awareness and support sustainable livelihoods in communities contiguous to Zambia's Protected Areas.

GRI's Community Outreach Programme has developed a low-cost, effective and easily-replicable community conservation model, designed to increase conservation awareness and build the capacity of communities to protect and preserve wildlife.

The model introduces "Community Outreach Cells" – geographically focused hubs of education, empowerment and engagement activities. The placement of cells is determined by national hotspots of wildlife crime, as identified by GRI's Resource Protection and Wildlife Rescue Departments.

Each cell is operated by one Conservation Education Ranger and one Community Outreach Ranger – each equipped with a motorcycle and smartphone. The Conservation Education Ranger is responsible for building the capacity of 50 teachers to deliver weekly conservation education to 1,000 children in 25 schools. The Community Outreach Rangers is tasked with establishing 5 women's groups and empowering each to initiate a sustainable income generation project.

A mobile Cell Coordinator travels between each cell, presenting conservation-themed radio programs at selected community stations, mentoring staff and monitoring cell activities. Currently operating 1 complete and 2 partial Community Outreach Cells, the Programme reaches 2,000 school children, 200 women and 75,000 radio listeners each week.

In addition to these the core components, the Community Outreach team implements ad-hoc 'special projects' in response to individual community needs. These include human-elephant conflict mitigation strategies, the development of schools and clinics, and providing welfare support to vulnerable community members.

2019 Results



104

Conservation Conversations
shows broadcasts



2

New Women's Groups
established



612

Babies born complication-free
at Basanga Mother's Shelter



11

Families provided with
rolling water barrels



30

Weekly Conservation Clubs
supported



1

Young human-wildlife
conflict survivor supported



6

Community Meetings
facilitated



80

Farmers effected by wildlife
conflict surveyed

Achievements to Date



200

Women empowered
with alternative
livelihoods



90,000

Individuals treated
with GRI-donated
dental equipment



5

Full libraries
installed in Ranger
Communities



15,000

Children provided with
weekly conservation
education



35

Households and 1
school provided with
access to clean water



52

Vulnerable families
provided with
welfare support



21

Community members
trained as HIV testers
and counsellors



126

Orphaned and
Vulnerable Children
fully sponsored



1,000

Babies born at
Basanga Maternal
Health Clinic

GRI's Community Outreach Programme is generously supported by:



Conducted school holiday activities at **Musungwa Primary School** - engaging the children of Wildlife Rangers



The Community Outreach Team acted as an interface between community members and GRI's **Wildlife Rescue** Team during an Elephant Rescue in Iyanda



Provided support with **Human-Elephant Conflict** in Mosi-Oa-Tunya National Park, Livingstone's



The Community Outreach Team participated in the 2019 **KAZA Community Conservation** training held in Zimbabwe



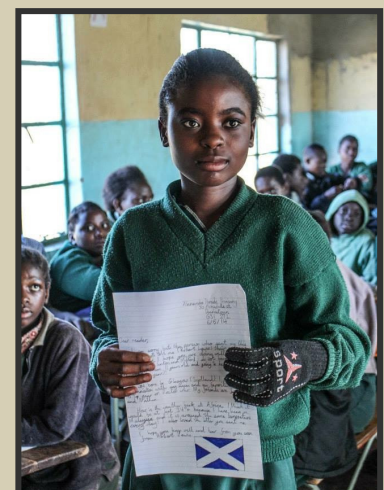
Partnered with **WWF** to conduct **bushmeat awareness** roadshow campaign programs in Nangoma, Mumbwa, Nalusanga, Itezhi-Tezhi, Basanga and Kaanzwa



Provided **welfare support** to the family of a late Wildlife Ranger



Facilitated a successful **PenPal scheme**, linking Zambian children to UK schools



National Milling Corporation donated flour and a remote-use oven to Basanga Women's Group



Senior Community Outreach Officer Britius Munkombwe was nominated for a **David Shepherd Wildlife Foundation** Conservation Champion Award



2020 OBJECTIVES



1. Re-install a Community Outreach Director and recruit a Conservation Education Centre Manager



2. Secure funding to support weekly conservation education



3. Expand Conservation Conversations into new districts



4. Empower a further 100 women with sustainable livelihoods



5. Break ground in Lusaka National Park



6. Improve and professionalise data collection





WILDLIFE RESCUE

GRI's Wildlife Rescue Department supports the Department of National Parks and Wildlife in the rescue, rehabilitation and release of wild animals injured or displaced as a result of human activity.

GRI is growing a long-term vision to support DNPW with the development of a Wildlife Rehabilitation Centre to cater for all wildlife species in distress. Over the years, GRI has supported with the care, rehabilitation and release of a number of species.

With a high number of reported wildlife in distress there is a clear need to provide such support and resources to DNPW's veterinary department, in addition to GRI's core Wildlife Rescue work involving elephant orphans.


GRI's Elephant Orphanage Project has been in operation since 2007. Throughout Zambia elephant calves are found orphaned or displaced as a result of ivory poaching and human-elephant conflicts.


Under the age of 2 years old these calves are very unlikely to survive without the incredibly nutrient rich milk of their mothers. Once an orphan has been identified, DNPW and GRI work to stabilise the calf and bring it to the safety of the Elephant Nursery, where an experienced team of Keepers and veterinary specialists nurse the calves back to health.

Once physically strong and old enough to be weaned from milk formula the elephants are moved to the Release Facility in Kafue National Park where they join the older orphaned elephants in a much bigger herd. Here they learn the importance of herd structure, hierarchy and etiquette, which is a vital element of their development and journey back into the wild.


GRI collects data on all elements of the elephants' journey from point of rescue through to release and utilises this research to guide our methodology and inform management decisions. Our data and analysis on medical conditions and nutrition have been vital in saving the life of orphans both within our care and further afield, as GRI endeavours to share its learnings and experience with other regional and international organisations equally dedicated to supporting wildlife.


2019 Results

 **6**
Orphaned elephant
alerts responded to


 **13**
Species of injured
wildlife rescued


 **561**
Hours of Behavioural
Observation Studies

 **4**
International Rescue
Facilities advised

 **5**
Collars fitted on the
orphaned elephants


 **8,743**
Visitors to the Lilayi
Elephant Nursery


 **23,232**
Litres of specialised
milk formula consumed


 **8**
Wild elephant
encounters witnessed


Achievements to date


 **49**
Orphaned
elephants
assisted

 **7**
GPS and 1 VHF
Collars fitted to the
orphaned elephants


 **5**
Orphaned elephants
released into Kafue
National Park

 **2**
Community Wildlife
Awareness Trainings
facilitated

 **11**
Orphans graduated
to the Kafue
Release Facility

 **23**
Species of injured
or orphaned
wildlife assisted

 **22**
Specialised
Keepers
Trained

 **1**
Behavioural studies
completed
each month

 **12**
International Rescue
Facilities supported

GRI's Wildlife Rescue Programme is generously supported by:



Five orphaned elephants were fitted with **radio collars** in preparation for their release back into the wild



Two new orphaned elephants, **Ludaka** and **Olimba Mtima** were rescued within a week of each other, and began rehab together at the Lilayi Elephant Nursery



Kasewe and Mkaliva **graduated** from the Nursery and were translocated to the Release Facility



Dominant male Batoka was captured on camera traps, **interacting with wild elephants** on multiple occasions



Thirteen-year-old Matriarch Chamilandu made history when she became a mother to the **first wild born calf** delivered by orphaned elephant in Zambia



The Orphan Herd's oldest bulls Batoka and Tafika spent more time away from camp, gaining **confidence**

Wild herds were observed in close proximity to the orphaned elephants



Hollywood film **Holiday in the Wild** was released on Netflix, showcasing Zambia and Lilayi Elephant Nursery



GRI has **shared** elephant information with welfare organisations across 12 different countries



Fostered a partnership with the **Smithsonian Institute**, DNPW and UNZA on Elephant Endotheliotropic Herpesviruses (EEHV) screening - making Zambia the first country in the region with capability for such testing



2020 OBJECTIVES



1. Begin developments in Lusaka National Park (LNP) in order to relocate the Elephant Nursery to LNP



2. Initiate the 'Veterinary Fellowship Programme' to provide full-time veterinary support to the animals within GRI's care, whilst capacity building vet graduates into wildlife veterinary medicine to support the DNPW Vet Unit



3. Identify and install a new Kafue Release Facility Manager to enable project growth of the existing team



4. Initiate a Human Elephant Conflict mitigation response project in Nkala GMA (within orphans Release Area), empowering rangers and communities with specialised equipment and training



5. Develop a second Outer Boma at the Release Facility in order to allow paddock rotation for the ever increasing herd





VOLUNTEERS

In 2019, we welcomed 10 volunteers (aged 19-64) from 5 different countries, who assisted GRI within the following roles:



Research



Elephant Orphanage
& Community Outreach



Media &
Marketing

Special Projects included:

- Initiating a Wild Elephant ID Catalogue
- Initiating a Biodiversity Study at Lilayi
- Conducting Human-Elephant Conflict Surveys in local communities

Extraordinary Contributions:

- Daniela Scott secured football kit and equipment from the Forest Green Rovers for the Keepers at the Kafue Release Facility. Aliona O'Regan and Olivia Shepherd helped fundraise to cover shipping costs.
- Talented Olivia Shepherd has provided on-going graphic design support.

It was the most magical experience of my life. Way beyond what I imagined. The staff were amazingly lovely, fun, genuine and utterly committed professionals. I'll never forget it.

Daniela Scott

The programme is the best thing I've done and there's been loads of valuable experience that I can take and apply during my time at university.

Thomas Crookes

What's new for 2020?

- The Behavioural Observation Study will become digital. Video recording behaviour and interactions will enabling more accurate data collection
- More wild elephant research, with bush drives several times a week
- Full Human Elephant Conflict projects
- More Community Outreach in schools

SUSTAINABILITY

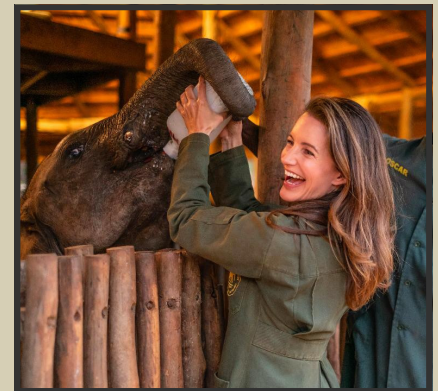
EVENTS

A record 186 cyclists completed the 73.5km **Elephant EPIC** trail from Lusaka to Lower Zambezi in June, raising over \$17,000 for wildlife conservation. We are incredibly grateful to all our partners, supporters, helpers and cyclists who make this annual event truly unique. The EPIC offers not only an exciting physical challenge for cyclists of a range of abilities, but also fantastic supporter engagement at Kiambi.



Hosted at Legacy Lodge, Lusaka, the Elephant Ball served as GRI's ten year anniversary celebration, with 300 supporters in attendance. The evening enabled us to highlight some of the key achievements of our partnership with the Department of National Parks and Wildlife, and to acknowledge the longstanding relationship and support forged by the late David Shepherd and his wildlife foundation. The elegant event raised \$15,000 for wildlife conservation.

Netflix's ***Holiday in the Wild*** was screened in Lusaka at Manda Hill Ster-Kinekor in December, and reached full capacity with 130 guests including the Director for DNPW, and other dignitaries from Zambia Police, Zambia Revenue Agency and International Airport, along with support from the Zambian Tourism Association and A to Z solutions. In his address, the Minister commended GRI for helping place Zambia on the global map. The event raised \$1,500 towards GRI's conservation efforts.



COMMUNICATIONS

GRI wishes to thank **Endangered Species Fund** for handling all US-based donations.



GRI - Zambia
18,941 followers



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GameRangersInt
1,985

www.gamerangersinternational.org

#WeAreAllRangers



Frontline Conservation

GAME RANGERS
INTERNATIONAL

Plot 2374, The Village, Leopards Hill Road, Lusaka | 00 260 211 259871
www.gamerangersinternational.org | info@gamerangersinternational.org
Trustees: Melanie Shepherd, Sport Beattie, Rajan Ranchhod, Robin Miller
NGO Registration Number: RNGO/101/0185/14