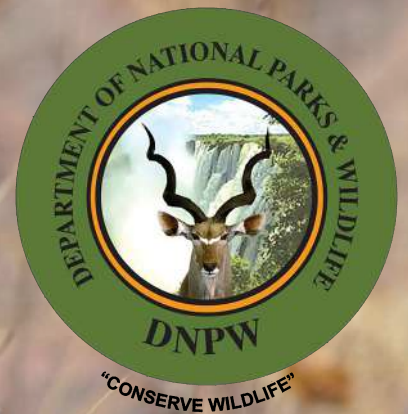


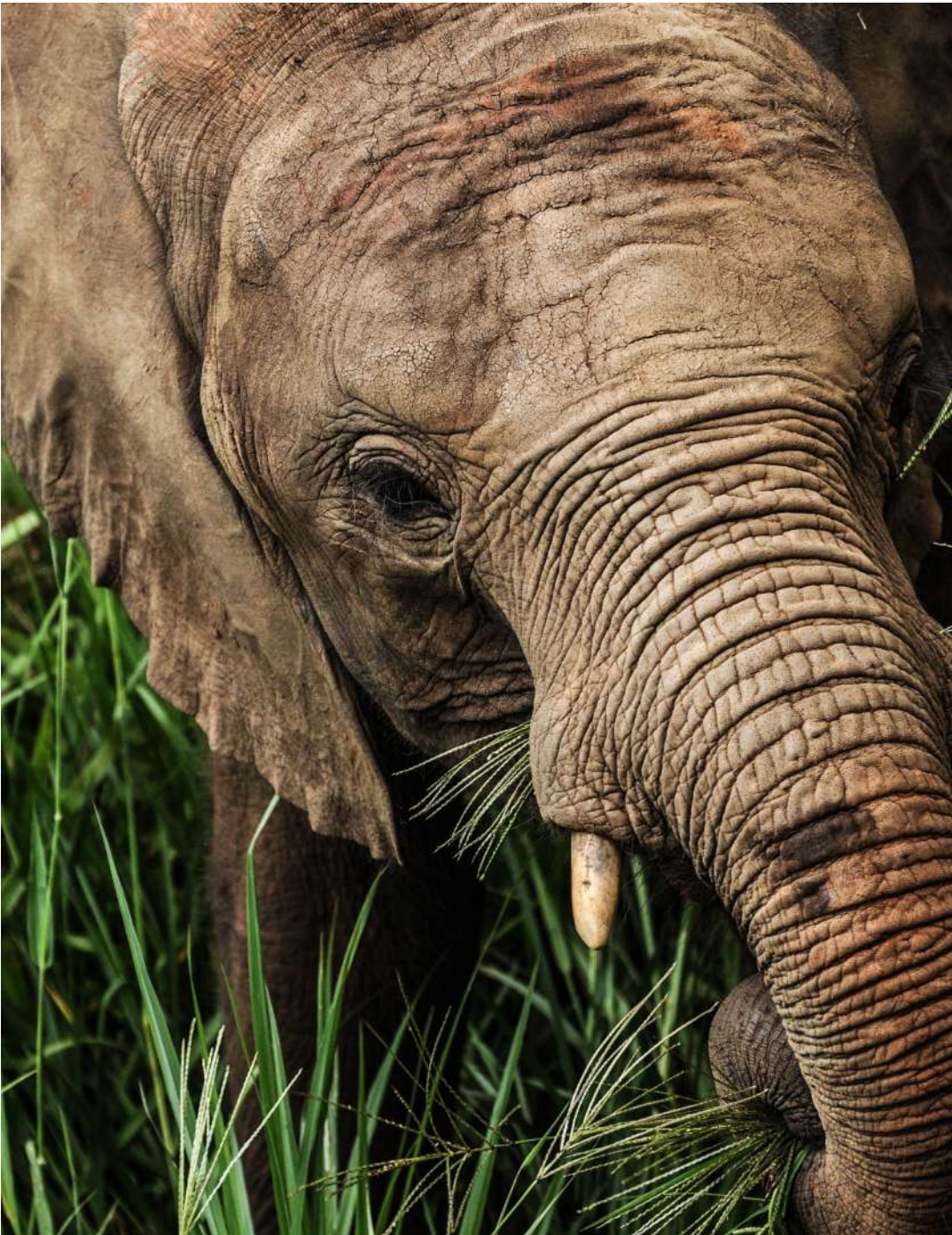


GAME RANGERS

INTERNATIONAL

2020 IMPACT REPORT





ABOUT US

MISSION

Empowering Rangers and Local Communities to Conserve Nature.

VISION

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

10 YEAR GOAL

To empower 500 Rangers and 5 local communities to conserve 5,000,000 acres of protected area over the next 5 years.

VALUES

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

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

**RESOURCE
PROTECTION**

**COMMUNITY
OUTREACH**

**WILDLIFE
RESCUE**

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 operational support, to motivate them to be more effective in conserving wildlife. This model is a partnership with government, whereby government provides the manpower, salaries and meets the statutory obligations in relation to this manpower, and GRI supports the rest, including: housing, education, medical & bereavement support, performance bonuses, uniforms, kit, vehicles, logistics, rations and technical services. This standardised model is easily replicable, allowing for rapid expansion into hotspot areas. Equally, the Ranger Empowerment Model is 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.

CEO'S MESSAGE

2020 started off with all the optimism and energy worthy of a new year and a new decade! Exciting new conservation plans, and objectives poised ready for implementation whilst others, brought forward from 2019, were being continued with the same zest and zeal, as ever before. This was our normal. However, it was quickly tempered by that awful menace, whose name I shall not mention, as we are all sick of it and in many cases have been sick from it.

There is no script, (except perhaps in Hollywood), which anyone could have read and believed in 2019 that, would have prepared us for what was to come in 2020. But come it did! If this is not a clear 'warning shot across the boughs' from Mother Nature then, I don't know what is. Some of us were lucky (this time round) and some were not, but one thing is certain for all of us: - as we recalibrate our True North and navigate our way through the 'New Normal' we need to ask ourselves one simple question - 'How do we wish to live on this planet? In fear of Mother Nature, or in harmony with Her?'. The answer, I believe is very simple and we all have the ability within ourselves, to be the change we want to see.

Coming back down to earth and reality, as it is on the ground, I am extremely proud of the way in which the management and staff at GRI rose to the challenges of 2020. Despite all the trials and tribulations, we still managed to achieve and, in some cases, surpass all our key objectives for the year. This is testament to the tenacity and team spirit of GRI, but it is also because of the unwavering support of our donors and conservation partners. We shall always be grateful to them for standing beside us and helping us to become who we are today. Thank you!

Equally, we are thankful to the leadership and front-line workers in Zambia who have provided a pragmatic and guiding light throughout the pandemic. We are ever grateful and appreciative for all that you do.

Finally, to all the friends and families who have lost loved ones during 2020 (for whatever reason), we extend our deepest sympathies and condolences to you. May 2021 bring greater happiness, health and prosperity for all.

Sport Beattie
CEO & Founder GRI



FINANCIAL SUMMARY

In 2020, GRI was generously supported by 27 grant-making trusts and foundations.

The 2020 total income is an increase of 10% over the 2019 income.

GRI's own fundraising efforts, which include in-country events, donations, adoptions and pledges contributed to over 6% of total income.

(All amounts in USD)

Programme	Revenue	Expenditure	Surplus
Wildlife Rescue	486,000	494,670	-8,670
Community Outreach	139,359	59,128	80,231
Resource Protection	1,101,994	1,019,171	82,823
Admin	116,790	271,125	-154,335
Fundraising & PR	121,153	56,464	64,689
Total	1,965,296	1,900,558	64,738

Fundraising Activities	Revenue
Volunteer Fees	57,265
Adoptions	657
Behind the Scenes Tours	1,793
Donations	30,399
Entry Fees	6,428
Filming Fees	502
Fundraising Events	19,554
Gift Shop Sales	4,556
Total	121,154





COVID-19 RESPONSE

MISSION ZERO

Throughout the pandemic, our goal has been to maximise safety for all our staff, minimise disruptions of our day-to-day operations and to motivate and mobilise the communities we work with against COVID-19.

- Equipped and trained 8 Women's Groups to produce over 1,200 protective face masks, and to sensitise others on their correct usage.
- Enforced social distancing and frequent disinfection of project equipment across all sites.
- Provided all staff and GRI-supported Rangers with protective face masks.
- Established a Corona Control group on WhatsApp comprising a cross-section of leaders from all levels of the team.
- GRI's HR Manager regularly visited all five sites to sensitise and reassure staff, and equipped them with the information they need to remain safe in the work place and at home amongst family and friends.
- Postponed all volunteer placements, honouring all pre-paid bookings for up to 36 months.
- Issued a No Visitation policy across all sites.
- Recorded and shared amongst 4 community radio stations 8 short public service announcements, 1 hour-long educational program and regular updates and words of encouragement which served to educate and sensitise communities to the issue.

RESOURCE PROTECTION PROGRAMME

Empowering Department of National Parks and Wildlife (DNPW) and Community Scouts through welfare, training, and operational support, in order to preserve and protect wildlife and wild spaces.

GRI's Resource Protection Programme protects Zambia's wildlife by countering illegal wildlife crime, and currently supports 150 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 Kafue National Park. It is now comprised of 3 full-time teams, SAPU North and SAPU South, both supported by the David Shepherd Wildlife Foundation and The Nature Conservancy, and SAPU KAZA supported by Space for Giants. Since it was founded in 2013, SAPU has apprehended 940 poachers, confiscated 427 illegal firearms and seized over 25 tonnes of bushmeat.

The DNPW Marine Anti-Poaching Unit (APU) operates from the Musa Command Post in Kafue National Park 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, Tusk Trust, CISCO systems, FLIR and USAID VukaNow, which has created a 19km virtual fence line of thermal imaging cameras to detect and intercept illegal park entry across the lake.

The Nkala Anti-Poaching Unit (APU) operates in the Nkala Game Management Area (GMA). The APU conduct conventional anti-poaching patrols acting as a deterrent to would be poachers and providing a protective presence for wildlife in the GMA. The APU is also trained and equipped to mitigate Human Wildlife Conflict in the communities living contiguous to the GMA. The Nkala APU is supported by the Lion Recovery Fund and Tusk Trust.

In 2019 GRI, with support from USAID, established the Community Wildlife Protection (CWP) project. The project goal is to support community action for resource protection to decrease poaching and reduce fire, in the Mumbwa and Namwala GMAs, in order to improve and sustain benefits from wildlife conservation. CWP supports 38 Community Rangers and 6 DNPW WPOs 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.








RESOURCE PROTECTION PROGRAMME

RUFUNSA CONSERVATION PROJECT

The Rufunsa Conservation Project commenced in 2019 to support the Department of National Parks and Wildlife (DNPW) in the resource protection of the Rufunsa Game Management Area (RGMA).

10	Rangers Empowered	3,650	Ranger Patrol Days
2	Axes, spears & knives confiscated	280	Snares removed

MILESTONE ACHIEVEMENTS

-  Development of the General Management Plan for RGMA, in conjunction with DNPW and BioCarbon Partners (BCP).
-  Completion of Zambezi Fly Camp (Patrol Camp) and development of Janeiro Base Camp.
-  Formation of a consortium for the proposed development of an Aquaculture Project at Kavalamanja Village.
-  Extension of patrol areas into the North of RGMA and the eastern boundary of Lower Zambezi National Park.
-  The project has encouraged the introduction of BCP Forestry Projects into Mburuma and Mphuka Chiefdoms with the approval of the Chiefs, DNPW and the CRBs.



109

Patrols conducted to date



19

Poachers apprehended to date



3

Firearms confiscated to date



1,201

Kg of bush/fish meat recovered to date



RESOURCE PROTECTION PROGRAMME

SAPU NORTH

SAPU North is an elite, highly trained, intelligence-led team based out of Hook Bridge, Kafue National Park.

14	Rangers Empowered	2,546	Ranger Patrol Days
50	Axes, spears & knives confiscated	189	Snares removed

Milestone Achievements



British Army stayed at SAPU North’s camp at Hook Bridge for 3 months while conducting training for the National Anti-Poaching Task Force.



30kg of ivory recovered



20 Poachers’ camps dismantled



A total distance of 15,918 km patrolled on foot and by vehicle



788

Patrols conducted to date



378

Poachers apprehended to date



183

Firearms confiscated to date



13,864

Kg of bush/fish meat recovered to date



RESOURCE PROTECTION PROGRAMME

SAPU SOUTH

SAPU South, an elite, highly trained, intelligence-led team protects the Release Area boundaries, an area covering 3,000km squared focused around the Kafue Release Facility.

12	Rangers Empowered	1,726	Ranger Patrol Days
5	Axes, spears & knives confiscated	4	Snares removed

Milestone Achievements



25 Firearms confiscated



290km of Protected Area patrolled by boat.



9 poachers' camps dismantled.



A total distance of 8,562km patrolled on foot and by vehicle.



53 Poachers apprehended.



618

Patrols conducted to date



454

Poachers apprehended to date



210

Firearms confiscated to date



13,099

Kg of bush/fish meat recovered to date








RESOURCE PROTECTION PROGRAMME

SAPU KAZA

An elite, highly trained, intelligence-led team focusing on the Kafue element of the Kavango-Zambezi Trans-frontier Conservation Area.

12	Rangers Empowered	1,998	Ranger Patrol Days
25	Axes, spears & knives confiscated	75	Snares removed

Milestone Achievements

-  27 Firearms confiscated
-  1 Live pangolin recovered.
-  17 poachers' and 18 illegal fishermen's camps dismantled.
-  A total distance of 11,356km patrolled on foot and by vehicle.
-  1,164kg of bush meat recovered.



142

Patrols conducted to date



108

Poachers apprehended to date



34

Firearms confiscated to date



2,261

Kg of bush/fish meat recovered to date



RESOURCE PROTECTION PROGRAMME

NKALA APU

Nkala APU provides a permanent presence in the Nkala GMA, the eastern buffer zone of the Release Area, in order to deter and disrupt illegal activity, and provides the community with protection against human wildlife conflict.

24	Rangers Empowered	1,279	Ranger Patrol Days
1	Axes, spears & knives confiscated	2	Snares removed

Milestone Achievements



A team of 11 Rangers from within Nkala APU were educated, trained, and equipped as first responders to human elephant conflict situations.



A total distance of 2,374km patrolled on foot and by vehicle.



Nkala APU once again providing security in an area which has been classified as a potential lion stronghold.

Capacity Building

Two Human Elephant Conflict Mitigation training sessions were conducted that delivered training on the use and maintenance of chilli guns, safety procedures, mitigation protocols, and data collection on tablets within the Survey123 app.



358

Patrols conducted to date



37

Poachers apprehended to date



16

Firearms confiscated to date



164

Kg of bush/fish meat recovered to date




RESOURCE PROTECTION PROGRAMME


MARINE APU

Patrolling the lake shore, which forms the northern buffer zone to the release area and reacting to information and intelligence from the Connected Conservation Initiative (CCI) data on the lake.

27	Rangers Empowered	941	Ranger Patrol Days
52	Axes, spears & knives confiscated	2	Snares removed

Milestone Achievements

 8 Illegal fishermens' camps dismantled.

 1,571 km of Protected Area patrolled by boat.

Capacity Building

- Uplifting the Marine APU's program so that they are now able to use the CCI system and data to undertake strike operations.
- Installation of Support Manager at Musa to facilitate operational support.
- Hiring and installation of SMART Analyst to uplift SMART.



380

Patrols conducted to date



230

Poachers apprehended to date



6

Firearms confiscated to date



2,707

Kg of bush/fish meat recovered to date



RESOURCE PROTECTION PROGRAMME

Community Wildlife Project

Supported by USAID, the Community Wildlife Project aims to decrease poaching and other illegal activities, in order to improve and sustain benefits from wildlife conservation through law enforcement support to community institutions in the Greater Kafue Landscape.

44	Rangers Empowered	6,128	Ranger Patrol Days
5	Axes, spears & knives confiscated	148	Snares removed

Milestone Achievements



318 Bags of Charcoal and 75 tons of timber recovered.



34 Rangers and 48 Community members successfully completed Fire Management and Awareness Training.

Capacity Building

- Two Officers attended a 4-day Spatial Monitoring and Reporting Tool (SMART) training session run by Panthera.
- A SMART Analyst joined the team to support SMART activities.
- 34 Rangers received Annual Refresher Training (total 540 Ranger Training Days).



280

Patrols conducted to date



45

Poachers apprehended to date



15

Firearms confiscated to date



1,503

Kg of bush/fish meat recovered to date



RESOURCE PROTECTION PROGRAMME

2021 OBJECTIVES



Operationalise the Aerial Support Unit (ASU) to fly over the Greater Kafue Landscape for at least 6 hours a week.



Formation of Special Investigations Unit to support all Anti-Poaching Units.



Secure the Release Area.



Establish SAPU base at Dundumweze to be able to provide effective law enforcement in KAZA region.



Uplift CCI system and re-role Marine APU to a Quick Reaction Force, able to react immediately to any intelligence from the Control Room.



Ensure cross collaboration with all partners in GKL.



Setting up a Fire Management Unit to protect and preserve critical habitat and to support southern Kafue

PROTECT - PRESERVE - PREVENT



COMMUNITY OUTREACH PROGRAMME

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

We believe that long-term conservation can only be achieved if communities living around Protected Areas are fully educated, engaged, and able to experience the benefits of healthy and viable ecosystems. 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 Programmes. Each cell is operated by one Conservation Education Ranger and one Community Outreach Ranger – each equipped with a motorcycle, smartphone and tablet.

The Conservation Education Rangers are each responsible for building the capacity of 50 school teachers from 25 primary schools to deliver fun, engaging, contextually relevant conservation education. The Conservation Education Rangers visit each school once a month to monitor progress, provide on-going mentoring to Club Leaders and to deliver supplementary lessons. Many of the schools we work in are located in areas highly affected by human-wildlife conflict, so the children have negative perceptions of wildlife destroying crops or preying on livestock. Others are located in urban areas, where many of the children have encountered a wild animal. The Conservation Clubs allow us to introduce these incredible species and explore their ecological, economic and aesthetic value in a fun and safe environment.

GRI's Community Outreach Rangers are tasked with empowering and engaging the wider community. We work with both at-risk women, and the wives and widows of Frontline Rangers by establishing women's groups in remote rural communities, and providing them with comprehensive life-skills training. Each group is then empowered to initiate an income generation project. GRI provides training, on-going mentoring support, and where possible, the tools and equipment needed to launch a small business. Similarly, we offer subsistence farmers living contiguous to Protected Areas alternative livelihood opportunities and work with local Community Resources Boards to find safe and effective mitigation solutions to human-wildlife conflict.

Lack of information and access to resources can be hugely damaging. We deliver weekly conservation awareness via multiple community radio stations, and disseminate information via community meetings, billboards and flyers to ensure that even the most remote and isolated communities are aware of the latest rules and regulations.

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 the core components, the Community Outreach team implements ad-hoc 'special projects' in response to individual community needs.



COMMUNITY OUTREACH PROGRAMME

CONSERVATION AWARENESS

Educating Zambian school children on the importance of conserving their natural resources.

2	Rangers Empowered	100	Teachers Trained as Conservation Clubs
50	Primary Schools Engaged	1	Teacher's Salary Fully Sponsored
1	New Conservation Module Developed	2	International Penpal Links Established

Milestone Achievements



GRI broke ground on the Conservation Education Centre in Lusaka National Park.



Establishment of a new monitoring and evaluation system.



16 students graduated from Shanangoma School for the Children of Village Scouts.

Capacity Building

- Conservation Education Manager recruited and inducted into GRI.
- Rangers trained to deliver conservation education, provide peer-to-peer education, and in monitoring and evaluation.
- Rangers trained to ride motorcycles.



Over 40,000 books donated to Frontline Ranger Communities to date.



15,000 children have received conservation education to date.



Over 500 teachers trained as Conservation Club Leaders in the last decade.



126 Orphaned and Vulnerable Children have been fully sponsored since 2015.



COMMUNITY OUTREACH PROGRAMME

CONSERVATION AWARENESS

Engaging local communities in wildlife conservation and reinforcing the benefits of protecting Zambia's natural resources.

1	Support Ranger Empowered	50	Farmer's Supported with Human-Wildlife-Conflict
25	Community Radio Shows Broadcast	1	Digital Learning Platform Trialled
1	Conservation Awareness Football Tournaments	10	Stakeholder's Meetings Facilitated

Milestone Achievements



Community Outreach Director Reinstalled.



Community meetings facilitated in 10 Village Action Groups to introduce the concept of establishing a REDD+ community forest in Rufunsa GMA.



Construction of a Community Outreach Programme Office at Musa HQ, Kafue National Park.

Capacity Building

- Community Outreach Manager met with WWF, DNPW and the CRB's to discuss "Mitigating Adverse Covid-19 impacts on Tourism Dependent Conservations and Communities in the Zambian Component of KAZA".
- The Community Outreach team participated in an internal strategic planning workshop.
- Community Outreach Manager completed driver training with the Workshops and Development Department.



35 Households provided with access to clean water.



2 community beehives installed.



90,000 individuals treated with GRI donated dental equipment.



55 vulnerable households supported with welfare support.



COMMUNITY OUTREACH PROGRAMME

WOMEN'S EMPOWERMENT

Empowering women living contiguous to Protected Areas with sustainable livelihoods.

1	Support Ranger Empowered	9	Bags of clothing donated
200	Vulnerable Women Supported	80	Women trained to produce facemasks
8	Women's Groups Equipped with Sewing Machines	15	Small businesses successfully operating

Milestone Achievements



Developing a partnership with WWF Zambia to support women in the Kafue Landscape.



The Basanga Bakery began servicing GRI projects.



Joni Seager interviewed the Community Outreach Director about Gender in IWT.

Capacity Building

- All GRI established women's groups trained in budgeting and business skills.
- 128 women trained to deliver COVID-19 awareness.
- Community Outreach Manager trained to collect real time data via Survey123.



Over 1,000 babies born at Basanga Maternal Health Centre.



21 individuals trained as HIV testers and counsellors.



On average, women's group members household income has doubled within 4 months.



18 individuals trained as community mobilisers.



COMMUNITY OUTREACH PROGRAMME

2021 OBJECTIVES

- Officially open the doors of the Conservation Education Centre in Lusaka National Park, and begin welcoming school groups for daily educational experiences.
- Deliver weekly conservation education to 2,000 primary school children.
- Empower 2 Support Rangers to train an additional 100 primary school teachers as Conservation Club Leaders.
- Broadcast weekly conservation awareness to 100,000 households.
- Establish a further 10 Women's Empowerment Groups.
- Facilitate Empowerment Training for 400 vulnerable women.
- Facilitate a Conservation Football Tournament in Musungwa and Shezongo Chiefdoms.
- Engage 100 community members in a lakeshore clear up at Lake Itezhi Tezhi.
- Recruit and train a Support Ranger in Human-Wildlife Conflict and Community Outreach in Nkala GMA.
- Facilitate a bushmeat and deforestation roadshow, and distribute >500 fuel efficient cookstoves to local communities.

EDUCATE - EMPOWER - ENGAGE



WILDLIFE RESCUE PROGRAMME

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

For 13 years, GRI has been supporting Zambia's orphaned elephants to be released back into the wild, and to maximise their chances of successful re-wilding we aim to ensure the orphans receive the most natural experience as possible along their journey of recovery. We are therefore thrilled to begin the process of relocating the Elephant Nursery inside the Lusaka National Park. This enables us to work more closely with our partners at DNPW, whilst ensuring the orphans will be raised in a more natural environment right from the beginning of their rehabilitation. This move will greatly enhance the experience for the elephants who will be exposed to a greater variety of wildlife and further protected from the sights, smells and sounds of the city, as the new Nursery is nestled inside a 5,000Ha National Park. The Nursery will be aligned with a dedicated Conservation Education Centre, which will ensure that visitors to the elephants receive appropriate sensitisation and conservation awareness, helping build support for critical wildlife and environmental issues and ensuring a wider range of Lusaka's population is able to access this important resource.

GRI documents and 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.

As humans and wildlife are increasingly in contact through population expansion and encroachment into wild spaces, there is an ever growing need to provide rescue support. GRI is developing a long-term vision to support DNPW with wildlife rescue, through increased wildlife veterinary resources. Currently we provide in-situ wildlife rescue response support and are working with DNPW on the development of a Wildlife Rescue Centre in Lusaka National Park to cater for all wildlife species in distress and provide a specialised work space for wildlife veterinarians with world class rehabilitation facilities for their patients. In addition the GRI Veterinary Fellowship Programme has been designed to offer capacity building and hands on wildlife experience to newly graduated vets in order to build increasing specialisation and capacity in Zambia's wildlife veterinary sector.



WILDLIFE RESCUE PROGRAMME

WILDLIFE VETERINARY FELLOWSHIP

To up-skill, give experience and empower wildlife veterinary professionals to support DNPW Vet Unit whilst providing a dedicated veterinary capability for all animals within GRI's care.

1	Veterinary Support Ranger Empowered	1	Orphaned Vervet Monkey stabilised
5	Animals successfully de-snared (Kudu, Zebra, Impala, Axis Deer)	24	Black Lechwe translocated
1	Common Duiker rehabilitated	2	Injured birds supported

Milestone Achievements



Veterinary Fellowship Project Launched July 2020.



Dr Darlington assisted *DNPW* and *Elephant Connection* on a satellite collaring exercise in Livingstone.



The WRVU team responded to reports of two wild elephants that appeared to be injured, moving between the community and Kafue National Park.



WRVU entered into a memorandum of understanding with UNZA School of veterinary medicine.

Capacity Building

- Dr Darlington graduated from UNZA university and was awarded with a certificate for 'Outstanding Student Contribution'.



WILDLIFE RESCUE PROGRAMME

LILAYI ELEPHANT NURSERY

Young, vulnerable and compromised calves need intensive specialised care around-the-clock. This is provided at the Nursery, where these traumatised young elephants begin their physical and psychological recovery together.

20	Support Ranger Empowered	172	Hours of behavioural observation studies
3	Orphan alerts responded to	6	Healthy Elephants flourishing
2	UNZA student interns supported		

Milestone Achievements



First female Support Ranger joined the team.



Advice and support provided to elephant care givers in Tanzania and Kenya.



First ever double orphan rescue - flying two elephants in one plane.

Capacity Building

- Keeper safety and handling training courses.
- Grounds and Security team empowered as assistant Keepers.
- Keepers trained in Survey123 data collection.
- Increased number of Keepers trained to conduct scientific Behavioural Observations.



52 Orphaned elephants assisted to date.



13 International Rescue Facilities supported since 2007.



11 orphans have graduated from the Nursery to date.



23 Rangers trained as specialised elephant Keepers since inception.






WILDLIFE RESCUE PROGRAMME

KAFUE RELEASE FACILITY

Elephants take many years to develop and learn vital life skills from their mother and herd before being able to leave. At the Release Facility, the orphans develop social skills and understand herd hierarchy and dynamics; gain exposure to the wild and wild elephants; acquire skills, strength and foraging ability and are provided protection against predators until big enough and confident enough to live back in the wild where they belong.

23	Support Rangers Empowered	1	Orphan fully released into the wild
13	Elephants utilising the safety of the release facility	92	Incidents of wild elephant activity nearby
5	Orphan - wild elephant encounters		

Milestone Achievements

-  Batoka reached released status. He has been fully wild since Feb 2020.
-  GPS re-collaring of 6 of the orphans.
-  501 hours of Behavioural Observations Studies conducted.

Capacity Building

- Keeper safety and handling training courses.
- Keepers trained in Survey123 data collection.
- Increased number of Keepers trained to conduct scientific Behavioural Observations.



7 GPS and 1 VHF collar fitted to the orphaned elephants to date.



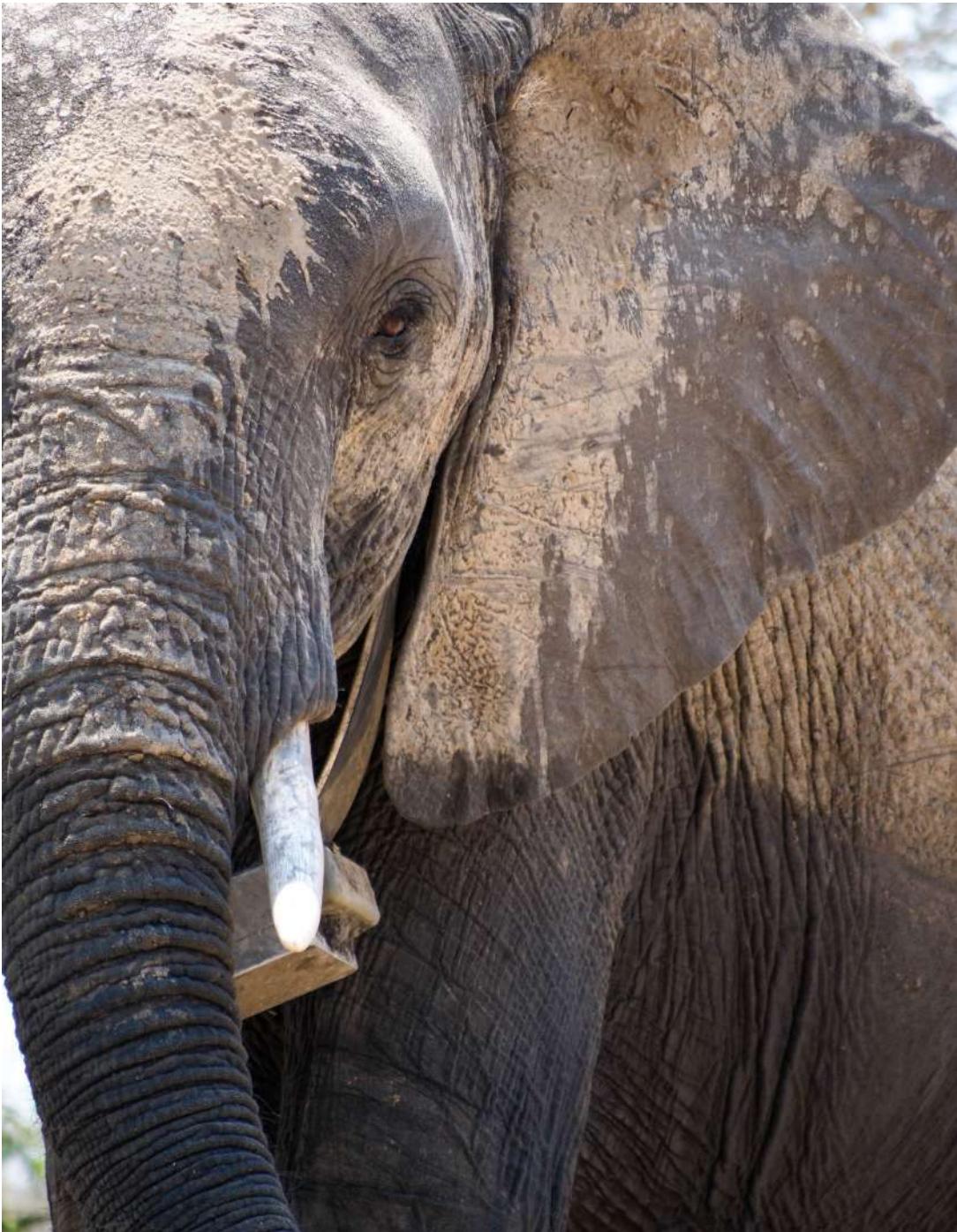
2 Community Wildlife Awareness Trainings facilitated to date.



5 elephants released into Kafue National Park to date.



1 wild calf born from an orphaned elephant in Zambia.



WILDLIFE RESCUE PROGRAMME

2021 OBJECTIVES



Relocate the Elephant Nursery to Lusaka National Park.



Translocation of two orphans from Nursery to Release Facility.



Implement a second Outer Boma at the Release Facility to allow paddock rotation for an ever growing herd.



Expand the training, development and opportunity programme for all staff.



Upgrade infrastructure at the Release Facility.

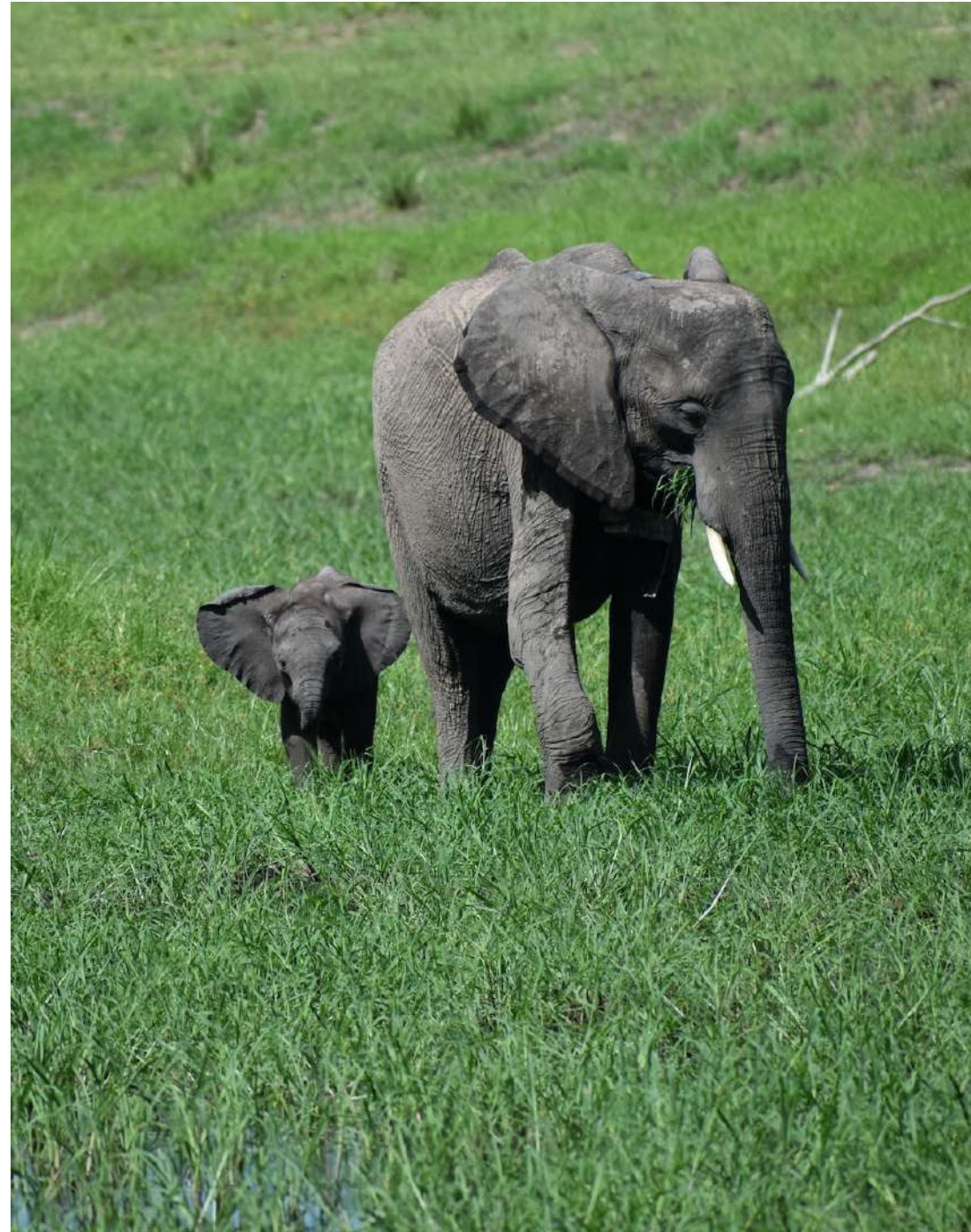


Partner with Worldwide Veterinary Services to support the implementation of a rabies campaign bordering the Greater Kafue Landscape where a wild dog pack were decimated due to rabies, supporting a community One Health approach.



Collaring of wild elephants to support HEC mitigation, law enforcement strategy and greater understanding of the Kafue population (the herds the orphans are beginning to live amongst).

RESCUE - REHABILITATE - RELEASE



HUMAN WILDLIFE CONFLICT

HEC RANGER UNIT

This year, GRI trained, equipped and deployed a Human-Elephant Conflict Ranger Unit to safely deter elephants from the farmlands bordering Kafue National Park.

The unit comprises 11 determined and dedicated scouts, directly recruited from the rural communities they serve. Empowered with rapid-response capability, they provide effective mitigation against wildlife conflicts, protecting both humans and elephants alike.



The Unit made 15 responses during Mango season to deter elephants away from human settlements.



Supplies to produce 1,000 homemade chilli bombs were distributed to farmers in Iyanda Community.



The unit responded to 150 incidents during crop season with 98% success in preventing a conflict.



The Human-Elephant Conflict team used chilli guns with classical conditioning via whistle blowing.



The team utilised real-time data collection to inform Ranger deployments and methodology.

13

Average number of elephants per crop-raiding herd.



The elephant's most common response to mitigation (96%) was to scream and run away.

533

Mitigations involved chilli balls.



The majority of crop-raiding herds were of mixed composition.



HUMAN-WILDLIFE CONFLICT

Additional Activities



9 farmers in Ntuvia Community were equipped with farming inputs and trained to grow 20 Ha of sunflowers as an alternative crop, unpalatable to elephants.



GRI's broadcast human-elephant conflict messaging throughout the maize and mango seasons.



GRI facilitate Human-Wildlife Conflict meetings with the local communities, traditional leaders and DNPW.



GRI's Conservation Clubs include practical advice on how to avoid conflicts with wildlife.

2021 Objectives

- Introduce 'smelly elephant' repellent spray for crops, in partnership with WildAid.
- Employ a dedicated Human-Wildlife Conflict Community Outreach Ranger for Nkala GMA.
- Trial bee-hive fencing.
- Install three mobile predator-proof kraals in partnership with WWF.
- Install boreholes in high human-hippo/crocodile conflict areas, in partnership with WWF.

12

Elephant Safe Granary Stores installed to date.



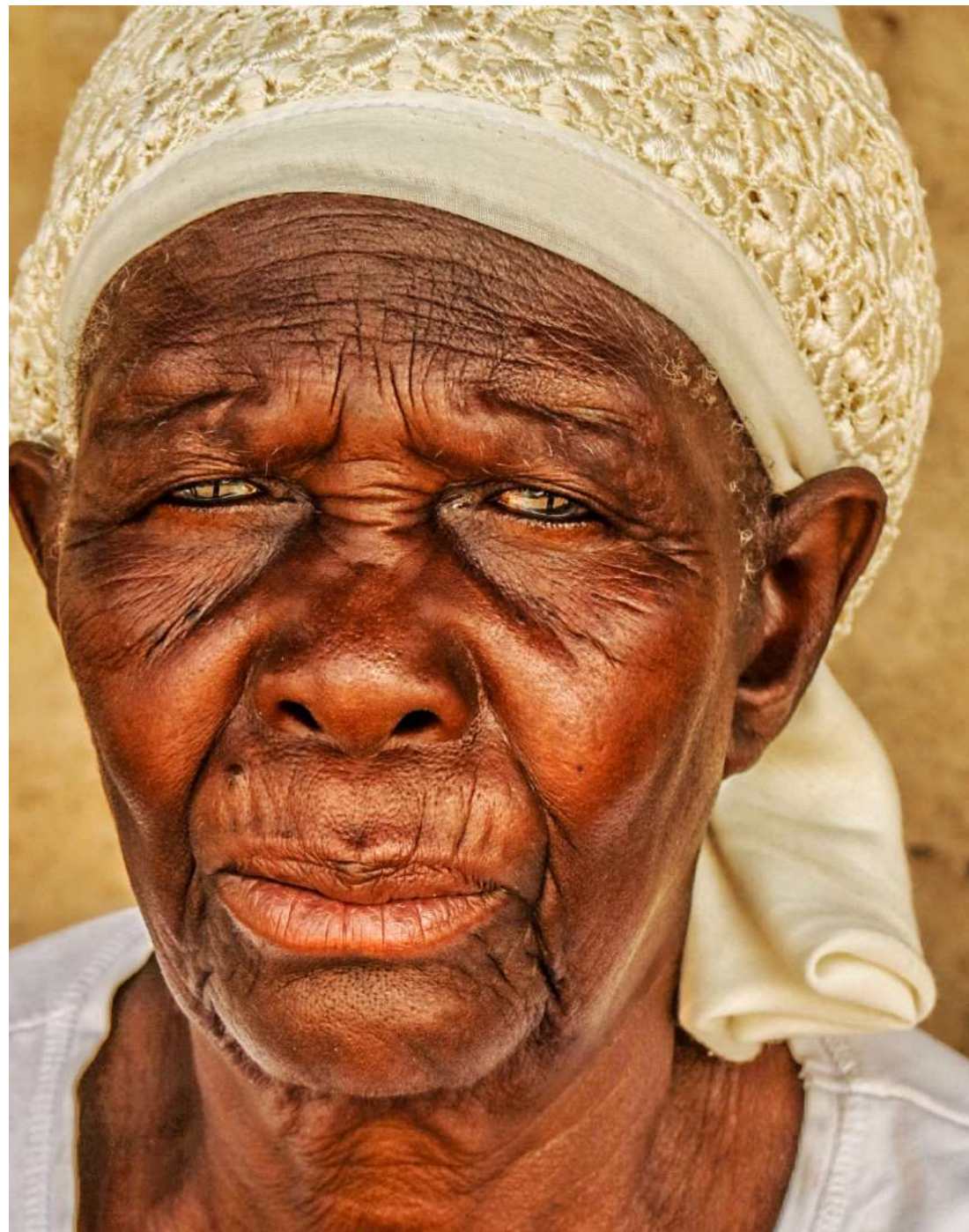
Polywire and flashing light fences trialled in Iyanda Community.

12

Radio shows dedicated to Human-Wildlife Conflict annually.

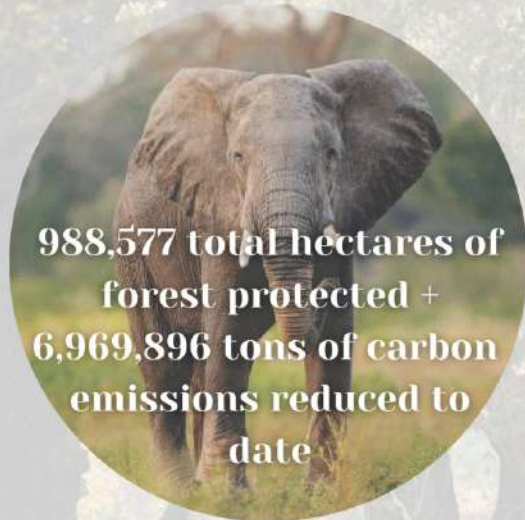


Shanangoma Women's Group started a chilli nursery in 2017.



Making Conservation of Wildlife Habitat Valuable to People

Offset your emissions with a brand that you can trust and do a ton of good!



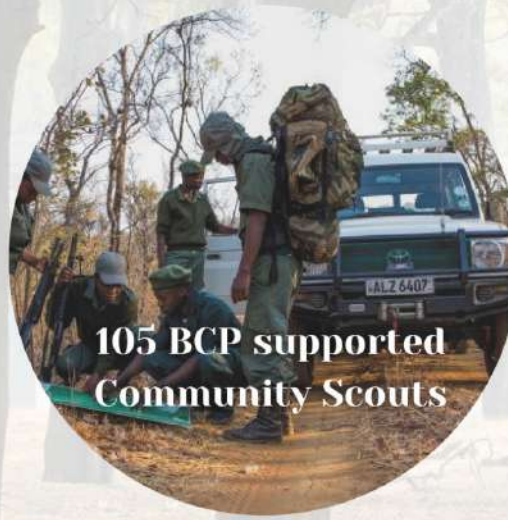
988,577 total hectares of forest protected + 6,969,896 tons of carbon emissions reduced to date



251 Lead Farmers trained in climate smart agriculture



224,622 individuals benefiting through improved livelihoods and community development



105 BCP supported Community Scouts

What sets us apart?

Both of BCP's REDD+ Projects have been verified against the Verified Carbon Standard, the world's leading voluntary GHG program. The Lower Zambezi REDD+ Project is Africa's first CCB Triple Gold Project, with 'Gold' level verification against all three categories of the Climate, Community, and Biodiversity Standard (CCB) for its exceptional climate change impacts and community and biodiversity benefits, while The Luangwa Community Forests Project has achieved CCB Triple Gold Validation for exceptional community impact. We are ranked in the top 0.5% of B Corps globally, following our recertification in April 2021 as a result of our continued dedication to our employees, and to upholding our environmental and sustainable responsibilities to better our planet. In 2020 BCP was awarded Runner Up for Best Project Developer - Forestry and Land Use in the Environmental Finance Voluntary Carbon Markets Ranking.

We are proud to offer the highest standard of verified carbon offsets to our valued supporters.

To find out more – join us on a journey through our most powerful, life-changing, and climate-positive impacts. We hope you enjoy the journey as much as we enjoyed making it.



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

GAME RANGERS

INTERNATIONAL

1 NO POVERTY

GRI supports sustainable livelihoods in 5 Chiefdoms contiguous to Kafue National Park.



2 ZERO HUNGER

GRI protects and empowers subsistence farmers living contiguous to Kafue National Park.



3 GOOD HEALTH AND WELLBEING

GRI has supported sexual, maternal and oral health programmes in Rangers communities.



4 QUALITY EDUCATION

GRI has supported over 1,543 training man days, and delivered conservation education to over 15,000 children.



5 GENDER EQUALITY

Over 200 women have been empowered via GRI's Community Outreach Programme.



6 CLEAN WATER AND SANITATION

GRI has provided 34 households, 1 school and over 50 vulnerable individuals with access to clean water.



7 AFFORDABLE AND CLEAN ENERGY

Over 60 households have benefited from solar power solutions through GRI's Community Outreach Programme.



8 DECENT WORK AND ECONOMIC GROWTH

GRI employees 77 full time staff and supports 120 front line Rangers.



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

GRI utilises thermal imaging technology to expand protections for people and wildlife in Zambia.



10 REDUCED INEQUALITIES

GRI has sourced full school sponsorship for 60 orphaned children and provided welfare support to 25 vulnerable families.



11 SUSTAINABLE CITIES AND COMMUNITIES

GRI is empowering communities with solar power, fuel efficient cookstoves and sustainable livelihoods.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

GRI grow vegetables at our bush camps to reduce our use of fuel to procure food.



13 CLIMATE ACTION

GRI is 100% carbon neutral.



14 LIFE BELOW WATER

GRI supported Rangers have apprehended 3700kg of illegal fish meat since 2013.



15 LIFE ON LAND

GRI supported Rangers have apprehended 1,274 poachers and traffickers and recovered 27 tonnes of illegal bush meat.



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

GRI's Resource Protection Programme have recorded 600 successful convictions since 2013.



17 PARTNERSHIPS FOR THE GOALS

GRI is partnering with BioCarbon Partners, EcoGas Zambia and the Department of National Parks and Wildlife.



SUSTAINABILITY

Carbon Neutrality

We have offset the carbon for all of our operations, both inside and outside of Zambia; including all law enforcement, wildlife rescue and community outreach activities.

Bio-Digester

We have installed a bio-digester at Lilayi Elephant Nursery with thanks to Eco-Gas, which operates from elephant dung and food waste scraps, and provides enough gas to heat the orphans' milk formula. This is the first time the product has been used with elephant dung, so the methodology is a work in progress, however we aim to begin to roll it out from the Release Facility once we have identified maximum gas production. , Approx. 70L liquid fertiliser is produced daily which will be distributed to local community farming projects.

Solar Power

Each of our remote field camps are run entirely on solar power. In addition, GRI's Community Outreach Programme has facilitated access to solar power for over 60 households.

Tree Planting

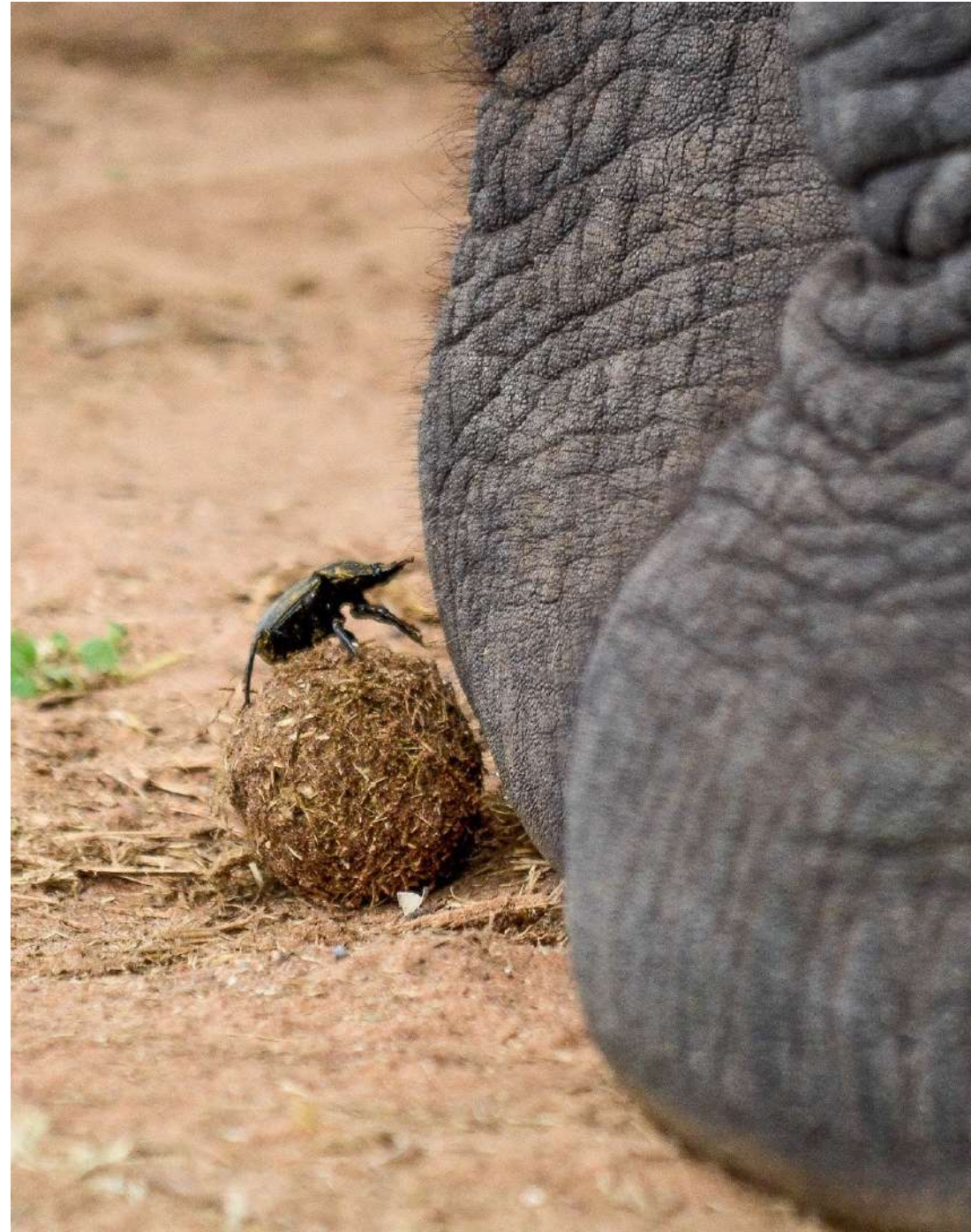
The Wildlife Rescue Team are planting saplings at Lilayi Elephant Nursery to off-set the orphaned elephant's browse requirements.

Vegetable Garden

The Resource Protection Team have planted a vegetable garden at Mweengwa HQ, in order to supply the Rangers with fresh produce.

Compost

We have an efficient compost system at Lilayi Elephant Nursery, and have been able to supply local school and community gardens with donations of mixed compost.



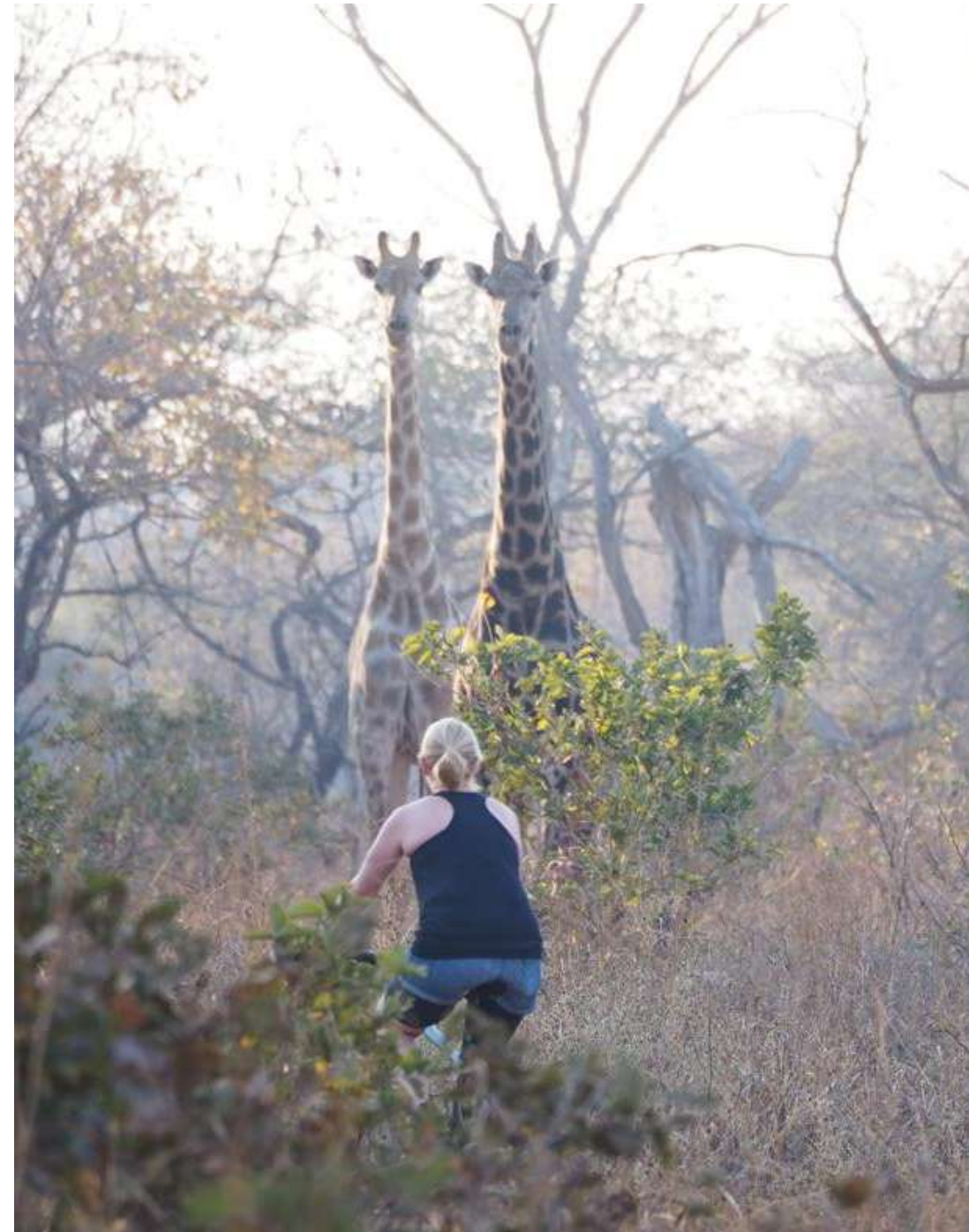
EVENTS

ELEPHANT EPIC - 75 CHALLENGE

Due to Covid-19 restrictions, 2020's annual fundraiser The Elephant EPIC MTB race was unable to proceed physically. This event plays a crucial role in our fundraising so we forged ahead to create a virtual event in the hopes of raising much needed unrestricted funds. We were proud to partner with **Conservation Lower Zambezi (CLZ)** on the event since the MTB trail usually ends in the Lower Zambezi, and GRI and CLZ partner on a number of conservation projects. As the traditional MTB race is 75km, we gave the event a '75' theme and set a target of completing a 75 challenge of choice over 75 days.

The event received over 100 enthusiastic entries from around the world, including UK, US, Chile, Zimbabwe, New Zealand and Zambia, with challenges ranging from running, cycling, press ups and paddle-boarding to planting organic saplings! It was wonderful to receive so much support for this much loved event and for wildlife conservation in Zambia. We were astounded that the final funds raised for GRI and CLZ reached **USD\$19,000** with the majority of these funds being raised by the individual participants who encouraged friends and family to sponsor them. A virtual awards ceremony was held from Lilayi Elephant Nursery to acknowledge all the participants and the generous sponsors of the event.

We are incredibly thankful for all who took part and supported the EPIC 2020 and we hope to be able to host both the physical and virtual event in 2021.





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.

Nolands

AUDIT | ACCOUNTING | ADVISORY | TAX | TRAINING

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No.5 Freedom Way | Parklands | +260 954 833 300 | **Kitwe** | Zambia

1st Floor FNB Building | ZMART City Office | Strand 2711 President Avenue | **Ndola CBD** | Zambia

12 Kunzubo Office Complex | +260 764 728 388 | **Solwezi** | Zambia

enquiries@nolands.co.zm | www.nolands.global



COMMUNICATIONS

MEDIA COVERAGE

The Independent | December 2020 | "The reformed poacher who became a ranger"
Evening Standard | August 2020 | "We Rangers are risking our lives every day to stop poachers"
The Independent | August 2020 | "Wildlife Rangers risk their lives every day to stop poachers"
What does the Giraffe Say | July 2020 | "How Community Outreach helped rescue orphaned elephants"
The Independent | July 2020 | "Coronavirus crisis could lead to Rangers jobs being cut..."
The Badger | March 2020 | "Zambian Orphaned Elephant Makes History"
Jackson Hole News | March 2020 | "Elephant Conservation Project Spans Hemispheres"
SafariNews | February 2020 | "Caring for Orphans"

LIVE INTERVIEWS

DSWF Instagram Live Q&A | GRI Community Outreach Director | Women's Empowerment
DSWF Instagram Live Q&A | GRI Wildlife Rescue Director | GRI - Elephant Orphanage Project
DSWF Instagram Live Q&A | GRI Founder & CEO | GRI's Ranger Empowerment Model
What does the Giraffe Say | GRI Founder & CEO | GRI's Ranger Empowerment Model
Discover Zambia Instagram Live | GRI Community Outreach Director | Conservation in Zambia
Tatenda Instagram Live | GRI Community Outreach Director | The impact of COVID-19 on wildlife
Endangered Species Fund | GRI Community Outreach Director | Story Safari
Endangered Species Fund | GRI Senior Support Manager | Story Safari
IFAW Live Q&A | GRI Wildlife Rescue Director | Live from Elephant Nursery
IFAW Live Q&A | GRI Wildlife Rescue Director | World Elephant Day
Stop Poaching Now | GRI Wildlife Rescue Director | Live Elephant Viewing and Q&A
Jacksonhole Centre For the Arts | GRI CEO, Chairman & Wildlife Rescue Director | Holistic GRI & Rufunsa Game Management Area



@GRI - Zambia
19,914 Followers



@Game_Rangers_International
27,503 Followers



@GameRangersInt
1,991 Followers

GAME RANGERS

INTERNATIONAL



#WeAreAllRangers

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Trustees: Melanie Shepherd, Sport Beattie, Rajan Ranchhod, Robin Miller
NGO Registration Number: RNGO/101/0185/14