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SOUTH LUANGWA NATIONAL PARK

CSL works in Zambia’s South Luangwa National Park, in Zambia’s Eastern Province.

The protected area where we work in collaboration with the Department of National Parks and Wildlife is over 15,000km².

This vast tract of spectacular wilderness remains Zambia’s premier wildlife destination.
Thinking back and moving forward - CEO’s Report

Last year, we put our heads down and fought through 2018. We’ve just had two particularly challenging years that have tested our resilience and patience as an organization, but we weathered the storm and things are looking great for 2019!! Patience, planning and perseverance pays off. This is one of the most valuable skills I have learnt and adopted over the past decade. Change is sometimes slow but eventually comes.

Unfortunately poaching remained a key challenge in 2018 with figures similar to the previous year. Whilst there are several key contributing factors to this, one of the major ones has been a critical shortage of anti-poaching rangers in South Luangwa for decades. To address this, the Zambian Government added almost 180 new wildlife police officers to their payroll in December 2018. In July 2018 in partnership with DNPW, CSL coordinated and financed (with support from USFW, Vulcan, Elephant Crisis Fund, Dazzle Africa, Rifcon, Lion Camp, IFAW, USAID, Africa Hope Fund, Milt Fredenburg), a 6-month recruit training course for 92 new wildlife police officers who have significantly increased the anti-poaching force. There are more details on this later in the report, but this really is the most encouraging step forward for South Luangwa in a long time.

In 2018 the CSL K9 Unit also grew and we received a fifth dog called Tygee. We settled in to the newly built base in Chipata, where the team assists DNPW in trying to reduce wildlife trafficking in Eastern Province.

Speaking of dogs, another fabulous bit of news for South Luangwa is the wild dog population. Thanks to the outstanding conservation and research efforts of the Zambian Carnivore Program, we are celebrating a big conservation success! The Luangwa Valley is now estimated to be home to the largest population of wild dogs in the whole of Zambia! Thanks to the collaborative efforts of ZCP, CSL and DNPW, wild dog numbers in and around the South Luangwa National Park have been steadily increasing, and there are now an estimated 350 dogs in the Valley.

Lastly, as always, we are truly indebted and grateful to all our donors. Your support is incredible and is the reason we can continue to keep doing this work to help protect the Luangwa Valley. Here’s to a successful 2019!! With heartfelt thanks, Rachel McRobb
## CSL ORGANIZATIONAL STRUCTURE 2018

<table>
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<tr>
<th>Position</th>
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<td>Unit Leader</td>
<td>Richard Zulu</td>
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Once again, coming back to South Luangwa proved to be an amazing experience. As usual I was met by a warm reception from the scouts and staff, and I was pleased to see the continuing levels of dedication and commitment that really make CSL stand out as an organisation. 2018 has seen some ambitious investment in scout training, the improvement of CSL’s Human Wildlife Conflict division with the employment of Jennifer Dillard as manager, and continuing developments in the use of SMART to track law enforcement effort and poaching activity in the national park and GMAs. All these actions show a real devotion to improving operations, but also to the enhancement of community relations, and the desire for intelligent patrol management. After the incredible successes of 2017, it is always brave for an organisation to push for new development rather than simply basking in past achievements. This is exactly what CSL has done. After a comprehensive review, there looks to be even more exciting changes to be set for 2019, and even further investment in anti-poaching.

"Vision without action is merely a dream" CSL Leadership Day

As a new incentive and training technique, CSL conducted its first ever Leadership Day, whereby the extended management team were given an opportunity to bond, learn more about each member’s specific roles and functions, and to air their ideas for meeting the mission and vision of the organization.

In Memory

In May 2018 we lost one of our most respected and bravest scouts in tragic circumstances whilst on duty. Jimmy is sorely missed and remembered by all. We thank the Thin Green Line Foundation, International Ranger Foundation, CSL Board Members and Kathleen Gobush for their support to his widow and children.
Turning the tide on poaching in Zambia’s flagship national park, South Luangwa

In 2018, CSL maintained significant anti-poaching support to DNPW in South Luangwa. This included salaries and accommodation for 65 full time community based anti-poaching scouts, rations and deployments for approximately 700 patrols a year, incentives for recoveries, anti-poaching aerial surveillance, 6 vehicles for patrol deployments, 2 boats for wet season patrol deployments, renovation of 3 scout camps, support and co-ordination of 2 K9 Units, SMART and cybertracker training and equipment and co-ordinating and financing in-service training for 92 new wildlife police officers.

Aggressive targets were set for 2018, with most but not all of them being met. We will continue to aim high. New staff coupled with the improvement in bonus incentives, training and motivational initiatives, and various standard operating procedures have improved the effectiveness of the anti-poaching.

2018 Anti-Poaching Effort and Results

| Long patrols | 96 |
| Short patrols | 63 |
| Day patrols | 603 |
| Patrol effort / days | 9699 |
| Aerial Patrols | 99 |
| Road blocks x 156 |
| Tusks recovered | 100 tusks |
| Suspects apprehended x 82 |
| Snares recovered | 478 |
| Firearms recovered | 78 |
| Bushmeat x 866kg’s |

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Arrests and Recoveries

- 478 snares confiscated
- 78 firearms confiscated
- 866kg's of bushmeat confiscated
- 2 live pangolins confiscated
- 1 leopard skin confiscated
- 82 suspects apprehended
- 100 tusks confiscated
Aviation Impact Summary – Les Dillard, CSL ZCP Pilot

Since 2012, the joint CSL/ZCP Aviation Program continues to be an essential part of conservation efforts focused on anti-poaching and large carnivore research in South Luangwa. Near daily flights of aerial teams in our Cessna 180 aircraft provide timely intelligence that inform management decisions and responses aimed at protecting valuable wildlife resources in a vast, remote area that would be impossible to obtain on the ground. The results and insights generated from just a few hours of aerial surveillance are priceless and we have found the use of our aircraft to be extremely effective and virtually indispensable to our conservation operations.

The aircraft flies on average 5 days per week for various missions including aerial surveillance (CSL), animal tracking (ZCP), ground team assistance, gunshot response, medical and personnel transport. Anti-poaching flight teams consist of the pilot, one CSL community scout observer, and one DNPW wildlife police officer observer. Animal tracking flights usually consist of one DNPW biological technician and one ZCP researcher. Our pilot, Les Dillard, started with us in 2017 and is constantly looking for ways to improve the efficacy of our Aviation Program. When not flying, he manages spatial databases to support anti-poaching patrol reporting and planning and conducts training.

In 2018, the aircraft flew over 200 hours on over 100 aerial patrols in direct support of anti-poaching efforts, covering over 28,000 km. The airplane also flew over 100 hours for animal tracking missions.

Aerial teams observed and reported the following activities used to inform protected area management:

- Over 20 suspicious persons, leading to 4 arrests and seizures of arms and illegal items
- Over 25 meat drying racks or poacher campsites
- Over 40 unreported elephant carcasses
- Illegal woodcutting for planks and charcoal making

Additionally, the Aviation Program was instrumental in the following ways:

- Tracking wild dogs and lions leading to several successful de-snaring operations
- Air-dropping supplies to ground teams and remote camps
- Providing quick aerial response to gunshot reports and “eye-in-the-sky” aerial support to ground teams. Providing a rapid, wide-ranging deterrent to would-be poachers in and around SLNP. Monitoring and mapping fast-moving bush fires
- Urgent medical transport of CSL detection dogs to Lusaka for life-saving treatment
2018 Recruit Training delivers 92 new wildlife police officers to help curb poaching – Benson Kanyembo

Critical shortages of wildlife police officers (WPO’s) throughout Zambia for decades have contributed to increased levels in poaching. The Government of the Republic of Zambia realizes that in order to protect their precious wildlife and natural resources, it is essential to increase this force and in 2018 committed to training new WPO’s. The training was the first of its kind conducted over a period of 180 days fully supported by Conservation South Luangwa with the permission of the Government of the Republic of Zambia.

130 trainee WPO’s reported for the training but of course not all 130 could succeed, this job is not for everyone, it is physically and mentally demanding. The training’s essential aim was to transform the 130 civilians into capable wildlife police officers. These recruits had no background in either nature conservation or service in an armed law enforcement operation. This transformation had to occur within 6 months.

The various, specific aims and objectives that needed to be achieved in order to attain the central aim of transforming the new recruits were set out on day 1, “To select, train and develop new wildlife police officers who will have the necessary physical and mental toughness, as well as the necessary knowledge and skills to carry out their tasks efficiently, which is to protect the wildlife and natural resources of Zambia”.

Eight capable and experienced Instructors were under the direction and supervision of the Chief Training Instructor who guided them through the six months. The training course would not have reached their aims and objectives without the contribution of these instructors.

At the end of a gruelling six months of intense para-military style physical and mental demands, 92 wildlife police officers graduated in at a colourful ceremony in Mfuwe.
New rangers are born – a tough 6 months transformation, but one to be very proud of (the same WPO is pictured left and right).

In preparation for the new Wildlife Police Officers, we renovated 3 DNPW (20 houses) camps inside the park and will continue to improve accommodation and facilities for WPO’s in 2019.
CSL DNPW K9 Unit

The CSL K9 Unit is now a well-established arm of CSL and DNPW operations in Luangwa and Eastern Province of Zambia. The purpose of the K9 Unit is to provide additional detection capabilities to enforcement officers to detect illegal wildlife contraband including ivory, bush meat, pangolin scales, leopard and lion skins and body parts, illegal wood such as mukula, illegal firearms and ammunition.

The dog unit continues to get excellent results both in arrests and confiscations and acts as a deterrent to would be traffickers.

In 2018 the team achieved the following:

14,575 vehicles and motorbikes searched, 13 buildings searched, 17 area searches.

Apprehended 25 suspects, confiscated 11 firearms, 18 snares, 9 tusks, 20 snares and 120 kg’s of bush meat.

Dogs never cease to amaze us!! Tygee and Earl have been working on ecological surveys with our partners Working Dogs for Conservation and the Zambian Carnivore Program. They are now able to detect illegal wildlife contraband, track and conduct surveys. Well done team and the handlers for their fantastic handling. What a useful set of skills to have for conservation work.
Due to the high levels of wildlife trafficking in and via Chipata, it was necessary to plan for a dog unit to permanently base out of there. We spent the end of 2017 constructing new kennels and a base in Chipata and expect the team to start operating in early 2018.

Get your 2019 K9 calendar now

Apart from adopting one of our detection dogs to support the K9 program which is available year-round, you can now also purchase one of these fantastic calendars for 2019 to support the important work they do.

The purchase of each calendar funds a dog patrol.

Above K9 team results. Below, new K9 base and tracking skills at work.
Being a Vet in South Luangwa – Dr Sichande

Our work involves a wide range of activities from de-snaring wildlife, looking after all veterinary and welfare needs of the 5 dogs in the K9 Unit, attending to domestic animals in the community, performing surgeries, looking after injured confiscated pangolins, rescuing stuck elephants, collaring carnivores for conservation research, sharing knowledge and experience with vet and vet nurse students and so much more.

In 2018 we de-snared 3 elephants, 1 hyaena, 4 wild dogs, 3 lions, 1 puku, 1 giraffe, 1 waterbuck and 1 impala.

We had a number of medical emergencies that involved surgeries including two for one of our detection dogs.
A very important part of our community and conservation work in South Luangwa is the HWC program. One of the most sensitive community topics revolves around elephants and the damage they cause to crops on an annual basis. Recognizing that elephant conservation will always be challenging and that communities should be supported in protecting their crops from elephants, has been the driver in forming the CSL HWC Mitigation program. In 2018, in order to really give the project the attention it deserves, we employed a Program Manager, Jennifer Dillard. Jenn has a Master’s of Science from the University of Wisconsin, Stevens Point in natural resource management and spent over ten years working as a formal and non-formal educator in a variety of settings. Jenn’s boundless energy, enthusiasm and ideas for community involvement are just what the program needed.

Using chillis to deter crop raiding elephants

✓ For the 2017/2018 chilli farming season we had 168 farmers participate (92 women and 76 men)
✓ 11,098 kilograms of chillis were purchased from the farmers and K166,470 in cash went back into the local communities
✓ 10 chilli farming trainings/meetings were conducted with 478 farmers
✓ 7 chilli nursery demonstration plots were set-up to help train farmers
✓ 25 SEKA community sensitization dramas were held followed by discussions
✓ Almost 600 conflicts were assessed
20 chilli patrollers are supplied with field equipment to carry out their duties deterring elephants with chilli for the 2018 – 2019 season.

Using Chilli Guns to chase away elephants

After years of trial and error we have settled on a home-made chilli gun. A cocktail of chilli liquid made from petrol, chilli and oil and is injected in to a ping pong ball and fired at elephants on their way to raid crops.

✓ In 2018 20 chilli patrollers in 3 Chiefdoms volunteered for a total of 1487 man nights to protect their community’s agricultural fields in from crop damaging elephants
✓ 35 new elephant-safe grain stores were constructed in 2018, bringing the total number of grain stores constructed in the South Luangwa Valley by CSL to 142
Monitoring and Analysis of Conflicts

In our ongoing efforts to understand and mitigate conflicts we partner with Panthera and North Carolina Zoo to use SMART to record and monitor all of our HWC incidences and mitigation measures. The HWC mitigation team successfully generated their first SMART monthly report in January 2018. Additional changes and updates were made to the SMART HWC data model throughout the year with help and support from Xia Stevens, Panthera’s SMART Programme Manager and Dr Eva Gross.

HWC assessments are now all being done in the field by our full-time community-based field officers using Cybertracker devices. In addition, we have distributed Cybertracker units to the Zambian Carnivore Programme (ZCP) and DNPW in an effort to capture all of the South Luangwa Valley’s human wildlife conflicts in one central database.

Education and Community Engagement

Not only do we engage in regular education and sensitization within the communities we work in, but we also have opportunities from time to time to inspire and mentor the next generation of conservationists. This year we hosted a group of conservation students from the University of Zambia and held two environmental youth camps for some of the children of CSL’s dedicated and hardworking scouts. In addition, we worked with Mfuwe-based Zambian Wildlife Filmmaker, Samson Moyo of Mosam Media to develop a Chilli Farming Case Study Video. This video will be posted to our social media and web sites, used to educate school groups, VIPs and donors who pass through our visitor center and shared with our local Zambian government supporters.
The 9th CSL annual 10km Fun Run joined forces with the Carnivore Cup (ZCP) resulting in the biggest and best sports day in Mfuwe yet. Over 5000 people attended the event on the day due to the excitement of both events, the prizes available and of course the attendance of PS Eastern Province Makebi Zulu and our Mambwe District Commissioner. Largely funded by Zambia’s Elephant Charge, WWF and the Jane Bubear Sports Foundation the event was held in June and attracted runners and sports participants from all over Mambwe District.

The Fun Run would not be possible without the efforts and organization of Graph Evans and his team, and Benson Kanyembo and his team of scouts who smoothly run the day’s events including security, all sports events (10km’s, relays, volleyball, netball, football, tug of war), prize giving and hosting of important dignitaries.
The Elephant Charge is an annual 4x4 event held in Zambia to raise funds for conservation and Education. Since 2008 teams have supported 18 conservation organisations and projects with grants totalling $892,447.

Each year since 2008 CSL has been a grant recipient and its CEO joins forces with The Carnivore to take part in the event.

Since 2012 The Carnivore has raised $56,682 for conservation in Zambia. In 2018, we raised our best yet, $15,000, won trophies for the Shortest Net Distance and Highest Sponsorship raised, and in 2019 we hope to raise even more with your support.

We can’t do any of our work without the financial support of our partners. In 2018, CSL was exceptionally lucky to be able to attend two international fundraisers in the USA. Dazzle Africa and Africa Hope Fund both put on a fundraiser to raise much needed operating funds for CSL. Both events were hugely successful, thoroughly enjoyable and helped us to cover our expenses in 2018. Thank you Dazzle Africa and Africa Hope Fund.
CSL is grateful to the Department of National Parks and Wildlife for the long-term partnership and trust vested in us to continue to assist them in carrying out their work. We look forward to a successful 2019.

CSL would like to thank the following major donors for their ongoing financial support to the organization in 2018. CSL is solely reliant on donations and works hard to maintain excellent relations with donors and partners. This is evident in some of the long-term partnerships and funding we have received and continue to receive from international and local donors.

Special mention must be made of the Luangwa’s photographic tourism sector via the Luangwa Conservation Community Fund. In 2019 we will be celebrating with gratitude 10 years of LCCF support. 2018 raised the highest funding yet through visitor donations and we are truly indebted to you for visiting and to the wildlife for putting on such a spectacular show.

Other Major Financial Donors include
Continued Major Financial Donors include

Jane Stieren Lacy

Other highly valued long-term donors
In addition, we would like to thank the following individual donors in 2018, their ongoing support to wildlife conservation and community programs in South Luangwa is greatly appreciated by our whole team.

Paolo Cafarelli Rainis  
Lex Gereardts  
Lyn Sales  
Paul Maxwell  
Petra Kurth  
Steven Stone  
Katerina Ring  
Beth Touma  
Virginia Kubic  
Artie Owen  
Johan Elzenga

Edward Selve Photography  
Julie Mills  
Leonie Bayley  
Jemma Kaluski  
Sybille Brodmann  
Odel Dillard  
Robert Bowie  
Bill Adams  
Ellen Perrier  
Mari Passananti  
Gero Heine  
Alec & Kate Lindsay  
Anne Sibbald  
Terence O’Rourke  
Marijke Van Overbeke  
Lincoln Palmer  
Conan and Linda Butcher  
Chris Brown  
Keith Grundy  
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John & Ange Lemon  
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Selfe Family  
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Robert Sansom  
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Michele Sutton  
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Ian Macallan  
Murray Katz  
Denis Rado  
Syd & Sue Chipchase  
Kerri Cliff  
Alison Bell  
Susanna Georgiou  
Carol Van Bruggen  
Greta Utecht  
Nancy Harris  
Samantha Lupt  
Anne Akesson  
Sheda Morshed  
Val Melville  
Iben Dupont  
Pia Tesdorpf  
Jeff Zuba  
Milt Fredenburg  
Fil Hide  
Kathleen Gobush  
Patrick Bentley  
Babette Alfieri  
Volker & Gabi Sproede  
Tristan Dav  
Ellen Chestney  
Mrs. NEM Warren  
Dr. Bryan  
Mark & April Johnston  
Mike Labuschagne  
Michael Remy  
Katya Geunther  
Helen Lumb  
Margaret Hogg  
Jeff Balin  
Karen Ladner  
Odel Dillard  
Mark Hatt-Cook  
Todd Stone  
Jane Bubear Sports  
Foundation  
Ali Johnstone  
Georg Lussiaa  
Steve Kuhn

Special thank you to Edward Selve, CSL Trustee for his wonderful photography used in this report.
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Trustee – Nick Aslin

NGO registration NGO/101/0010/2013

Trustee – Derek Shenton
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CSL 2018 % EXPENDITURE

- Staff Salaries: 41%
- Training Expenses: 13%
- Infrastructure: 2%
- Motor Vehicles: 7%
- Law Enforcement: 8%
- Fun Run: 1%
- K9 Unit: 6%
- Veterinary: 3%
- HWC: 4%
- Aircraft Expenses: 9%
- Administration: 6%
- Motor Vehicles: 7%
- Infrastructure: 2%
- Aircraft Expenses: 9%
- Administration: 6%