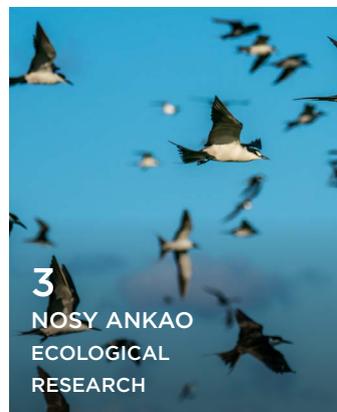
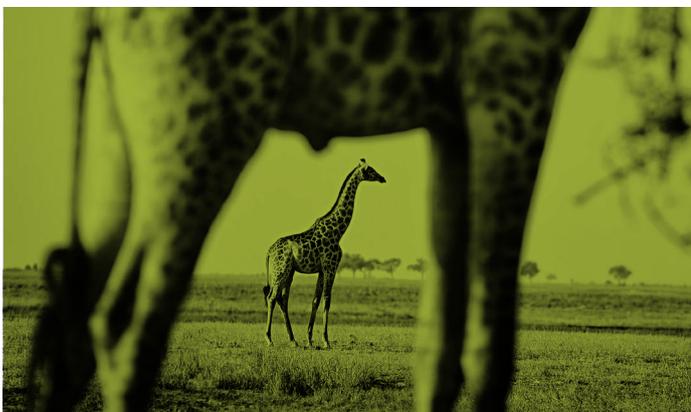


TIME + TIDE FOUNDATION

QUARTERLY NEWSLETTER

JULY - SEPTEMBER 2018



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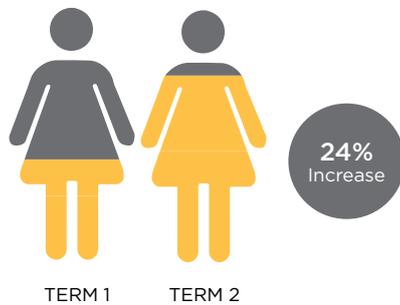
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Monitoring and Evaluation

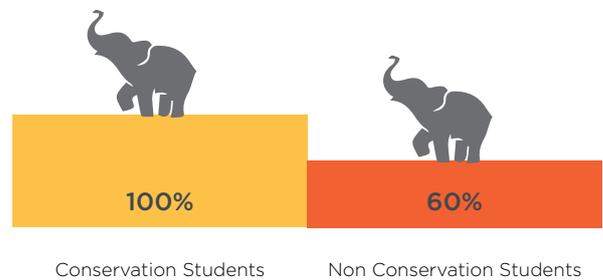
For each of our projects, we have specific objectives that we track throughout the year to confirm that we are achieving our desired long-term outcomes in the four protected areas. Below is a snapshot of some of the indicator metrics we have collected in 2018, which are used to define project success.

LIUWA PLAIN: ATTENDANCE AT MUNDE BASIC SCHOOL

Grade 7 students

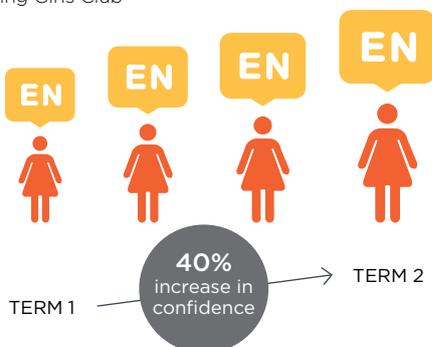


LOWER ZAMBEZI: CONSERVATION KNOWLEDGE AT MUGURUMENO PRIMARY SCHOOL



SOUTH LUANGWA: CONFIDENCE SPEAKING ENGLISH

Girls attending Girls Club



NOSY ANKAO: PROTECTION OF LEMUR HABITATS



Nosy Ankao:

ECOLOGICAL RESEARCH AND MONITORING

In July and August, we welcomed a team of scientists from Réunion Island, Antananarivo and the University of Diego to train our environmental team on how to monitor nesting terns on the island of Nosy Manampaho.



In July, the environmental team learned how to monitor tern colonies at the early, incubation stage of the breeding season. They used GPS tracking to estimate the area of the colonies, sampled small portions of the colonies to calculate nest densities and then estimated total population size by extrapolation. In August, the team learned how to estimate the productivity of a colony based on chick surveys, how to estimate the age of the chicks by measurements and how to calculate hatching dates and laying dates, which indicate the breeding phenology of the different species. They also completed their training in bird banding. This research on one of the most important seabird colonies in Madagascar was made possible through generous support from [Association Vahatra](#), [Université de la Réunion](#), [Madascarenes Indian Ocean Experiences](#), and [Time + Tide Miavana](#).



South Luangwa: FIELD-BASED EDUCATION CENTRE

Over the second term of 2018, 20 school groups, totalling 400 students from the Kakumbi and Nsefu chiefdoms, attended full-day courses at the field-based education centre.

This year, the theme for all conservation programmes is “Conserving the Luangwa River,” with a specific focus on lakes and rivers of Africa and riverine trees of the South Luangwa. In response to a proposed dam, [Chipembele Wildlife Education Trust](#) and [WWF-Zambia](#) have joined forces on a campaign to keep the Luangwa a free-flowing river. While dams are often used for energy production and maximizing land for irrigation, they also fragment rivers and can compromise the biodiversity and social benefits that free-flowing rivers sustain.

The Luangwa River is the source of employment, food, water, recreation, cultural inspiration, and a wide range of community benefits that result from a thriving tourism industry. To dam the river would have serious ecological and economic repercussions for all inhabitants of the Luangwa Valley. The conservation club students explored this topic at the centre during term two, and they participated in painting a mural in the town of Mfuwe in order to heighten awareness about the importance of conserving one of Zambia’s last free-flowing rivers.



South Luangwa:

GIRLS CLUB

Since the beginning of the year, the self-confidence levels of the girls in the Yosefe Girls Club have improved by 28% with all the girls in the club rating themselves as 100% (fully) self-confident at the end of term two in July.



On a gender perception scale (which numerically defines feelings of gender equality), the girls scored an average of 90% indicating that the girls view both genders as equal. Additionally, in projective drawing exercises, the girls assigned all careers, even stereotypically male-dominated occupations like accountants, police officers and doctors, as employment options for women, indicating a shift in the way the girls perceive female professionals. We weave these lessons into weekly club sessions and fun fieldtrips each term, such as our recent visit to one of the local radio stations and to the field-based education centre. Throughout the year, we inspire the girls to build their levels of self-esteem and concentrate on achieving high academic marks on their primary school exams, with the goal of gaining admission to the top secondary schools in Zambia's Eastern Province.



Lower Zambezi:

CONSERVATION THEATRE



Each year in July, Conservation Lower Zambezi, an anti-poaching and conservation education non-profit, hosts their annual Rubatano Day in the Chiawa Chiefdom.

The day is comprised of sports matches and competitions and is themed around a particular conservation topic. This year the conservation message was “Pangolin Protection,” which was chosen due to the severity of pangolin poaching and trafficking in Zambia and across the globe. The Conservation Theatre students from Chitende School focused their performance at Rubatano Day on this topic as well, with their play entitled *The Land of the Mighty King Haka*, highlighting the ecological importance of pangolins in the Lower Zambezi. Incredibly, a live pangolin confiscated by the Department of National Parks and Wildlife was relocated to the Lower Zambezi National Park during Rubatano Day. Before the release, the wildlife scouts showed the animal to the children at the event so they could observe first-hand the species around which the day was centred.





Liuwa Plain: SIBEMI COMMUNITY SCHOOL

In early September, thanks to generous guests at Time + Tide Lewanika, the second well was installed in Sibemi Village.

After delays due to high levels of flooding in Liuwa over the first half of the year, African Parks managed to successfully drill the second well in Sibemi at a location chosen by residents. With two wells now providing reliable, clean drinking water, residents no longer need to travel to the Munde stream or seasonal pans to collect water each day. Sibemi Community School was also assigned a government teacher this quarter,

the first formally qualified teacher to be posted to the school. With support from the Ministry of Education, the school will now be jointly administered by the government and the Sibemi Parent Teacher Association. At the end of this year, Namuchana Mwangala, the Sibemi resident whom the Time + Tide Foundation sponsored to a teaching college, will complete his degree and return to Sibemi as another qualified primary school teacher.

For more information please e-mail: info@timeandtidefoundation.org

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