

Save the Rhino International: Grant report for Y1 (1 January 2022 to 31 December 2022)

Project title: Mazingira Yetu (NB: Previously titled “Connecting Conservancies and Communities Project (CCCP): Securing the future of black rhino conservation in Laikipia, Kenya” but hereinafter referred to as Mazingira Yetu (MY))

Location of project: Borana Conservancy, Laikipia, Kenya

Project start and end dates: 1 January 2022 to 31 December 2023, and then ongoing

Applicant name and institutional affiliation: Cathy Dean, CEO, Save the Rhino International
Unit 3, Coach House Mews, 217 Long Lane, London, SE1 4PR
T: +44 (0)20 7357 7474, E: cathy@savetherhino.org

Project co-ordinator and institutional affiliation: Isabelle Voorspuy, Conservation Sustainability Officer, Borana Conservancy, PO Box 137, Nanyuki, Kenya
T: +254 706 292 708, E: conservancy@borana.co.ke

Amount and dates of grant: In December 2022, we received €15,381.82 from Stichting Suzuki Rhino Club, to cover the remaining costs of Mazingira Yetu during Y1, i.e. the rest of the cost of the *en suite* accommodation for academics and researchers visiting the education centre.

1. Project recap

This Project proposed an expansion of the existing Borana Education Support Programme (BESP) to address the unsustainable utilization of natural resources in the Ewaso Nyiro ecosystem. Mazingira Yetu (‘Our environment’, MY) will engage with Borana’s neighbours to broaden, deepen and inspire their understanding of conservation and its importance for the health of all those, human, faunal and floral, that inhabit the landscape.

Vision: A thriving Key 1 population of black rhino in Laikipia, Kenya. *Mission:* Engaging the communities living around Borana Conservancy to foster support for conservation initiatives.

Strategic objectives:

1. To build knowledge about conservation issues, including the black rhino, among the BESP’s primary audiences, i.e. schoolchildren and adults
2. To inspire participants to spread key conservation messages to secondary audiences, i.e. family and community members
3. To enable the wider community to take positive action to conserve the conservancies surrounding the Lewa-Borana Landscape

2. Executive summary of progress

Great progress has been made on Mazingira Yetu since work in earnest began in January 2022. It now consists of four components:

- Mazingira Yetu Conservancy Trips, commencing 29 July 2022. These are carefully choreographed day trips into Borana Conservancy for school and adult community groups, to visit the new Education Centre, see examples of sustainable management of natural resources, meet role models working at Borana, and understand the value of wildlife and landscape conservation
- Mazingira Yetu Conservation Celebration Days (CCD), commencing January 2023
- Borana Education Support Programme (BESP), which helps fund 13 teacher salaries at the primary and secondary schools in villages surrounding Borana Conservancy. It also currently supports 46 students and secondary and tertiary level with bursaries
- Monitoring and Evaluation framework, which will analyse the impact of these three strands

A Conservation Education (CE) Officer, Stephen Gachagua, and CE Assistant, Jedidah Kamoiro, have been appointed and began work in mid-April 2022. They report to Ochen Mayaini, who is in overall charge of MY. An education expert, Richard Hennery, has been appointed as a consultant to MY, and visited Borana in February 2022 to advise on the programme's strategy etc., and again in November 2022. He will visit Borana a third time in April 2023.

A MY bus, known as the Mazingira Express, has been purchased, adapted and was ready to start bringing in groups onto the Conservancy in July 2022. Borana has appointed one of its existing suitably qualified staff as its driver. In September, the Mazingira Express was temporarily taken out of service to be custom-painted with graphics etc. so that it is now used as a mobile teaching resource. Borana engaged a local company based in the closest town, Nanyuki, to do the graphic design for the Mazingira Express and we are all extremely pleased with the outcome. (Please see photos in Appendix E.)

An old woolshed located at Borana Headquarters has been completely re-purposed as the new Mazingira Yetu Education Centre, making use of recycled materials wherever possible. The Centre used the footprint of the existing building, which was constructed in the late 1920s for the purpose of shearing merino sheep and sorting wool for export to Bradford in the United Kingdom. This woolshed was used once a year for shearing merino sheep and twice a year for Angora goats, from the 1920s to the mid-1990s, when the building became a carpentry and leather workshop providing employment to disabled people living close to the Conservancy. That workshop has now been moved to the main workshop next to the recycling centre, which is a much better location for it. Part of the building was also then used for managing all of the waste from all of the properties on the Conservancy. This activity has also now been relocated to Borana's workshop. Work on the Education Centre began in earnest in March 2022.

There is an office for the CE Officer and CE Assistant, a multimedia theatre (which will become Borana's 4Cs – Conservation, Community, Culture and Commerce – information centre), a classroom, dining room, kitchen, outdoor kitchen and an outdoor space adjacent to a sports field. The surrounding area will be landscaped once we receive some good rain, hopefully in April 2023. The building is primarily designed to accommodate visits from primary and secondary school students for immersive environmental days and citizen-science activities that will, over a period of time, give participants a deeper understanding of local and global environmental challenges and issues and provide regenerative and holistic solutions that could be applied broadly across this landscape. In 2022, 10 groups participated in the CEP, reaching out directly to a total of 465 beneficiaries. Of these beneficiaries, 393 were students, 24 were teachers, and 90 were adults / community groups.

Table 1: Summary of Mazingira Yetu school beneficiaries during 2022

School engaged	# Students	# Teachers
Enakishomi	31	2
Ethi	31	2
Chumvi	77	4
Ngarendare	32	2
Kanyunga	30	2
Aljju	30	2
Olkinyei	26	2
Sanga	30	2
Sieku	26	2
Lokusero	40	2
Oasis of Love	40	2

The Mazingira Yetu Education Centre will also be used as a Centre for coursework and courses: Borana envisages hosting up to 12 students at a time for short intensive environmental management courses. An additional use of the Centre will be to grant access to tourists visiting the Conservancy to give them a better understanding of its collective 4Cs philosophy.

It is also envisioned that the Centre can be a neutral space in which all members of Borana's adjacent neighbourhoods and communities can arrange for meetings to be held, i.e. like a village community centre. The Centre is very well equipped, with conference / meeting facilities, SMART boards, white boards, multi-media tools and teaching materials, and the surrounding grounds will be used for best-practice / model sustainable and regenerative farming, including everything from aquaculture and bee hives to permaculture.

The first school group's visit was held on 29 July 2022. A series of 'dry-runs' had taken place with Borana's staff – armed rangers, general security, rhino monitors, hospitality staff, workshop mechanics etc. – to test timings and identify any logistics problems, as well as to enthuse the whole Borana team about Mazingira Yetu. Many of the staff have children at the primary and secondary schools that will benefit from the programme.

The first school group was from Ol Kinyei Primary school, with a total of 28 Grade 6 students and two teachers participating. The students were given a tour to and from the school, experiencing the ride as the first users of the Mazingira Express. They were taken for a game drive on Borana, learning about the various aspects about wildlife and the shared landscape. They then arrived at the Centre at midday for lunch, after which they watched two documentaries. The students and teachers were then engaged in a tree-planting exercise (35 trees) around the Centre. They were then split into two groups, taking it in turns to play a 'web of life' game and a string quadrant exercise that enabled them to learn more about what is under their feet i.e., soils, grasses and other living and non-living organisms. After this, the students – now new conservation ambassadors – played a game of football and volleyball before they were taken back to their school with another game drive *en route*, seeing Grevy's and plains or common zebra, elephant, Beisa oryx, Jackson's hartebeest, waterbuck, Reticulated giraffe and baboons. During the drive, the CEO and CEA engaged them in an interactive session, asking them about the causes and effects of invasive species and habitat loss and how the different wild animals are adapted to their habitats. Key words learned included 'Endangered', 'environment / habitat loss', 'invasive' and 'conservation'.

3. Activities to meet objectives

Activities to meet Objective 1: Builds knowledge about conservation issues, including the black rhino, among the BESP's primary audiences, i.e. schoolchildren and adults

A Recruit staff (Conservation Education (CE) Officer & CE Assistant)

During January and February 2022, Borana recruited two staff members with suitable qualifications to develop and implement Mazingira Yetu, with support from senior BESP staff and an external mentor (see Activity B). Recruitment was informed by Borana's gender and local employment policies, prioritizing the recruitment of women and people from the surrounding neighbourhoods. Jedidah comes from neighbouring Ngare Ndare and Stephen from the main local town Nanyuki; they began their full-time roles in mid-April. Every effort was made, through all elements of the Project, to break down gender and other stereotypes and demonstrate that conservation opportunities are open to everyone. Currently, Josephat, a Conservancy driver, is driving the Mazingira Express, but it is hoped that Borana will be able to source a driver with a PSCV licence.

B Refine the MY strategy, curriculum & M&E Plan

In February and March 2022, an independent consultant, Richard Hennery, was employed on a freelance basis to provide technical advice to MY. Richard, who has a Masters in environmental education, has previously advised both the North Luangwa Conservation Programme (NLCP) and the Nsumbu Tanganyika Conservation Project (NTCP) in Zambia. NLCP has a thriving Key 2 black rhino population, while NTCP is laying the groundwork for the future introduction of black rhinos to the Park. Richard was tasked with the following: refining the detailed strategy and curriculum / itinerary for the Conservancy Trips (see Activity F) and Conservation Celebration Day (CCD) events (see Activity J), designing the monitoring and evaluation plans, and will help with analysing the data.

During the course of the last few months, with Richard's able assistance, the Borana team has been able to revise and refine the MY workplan. This now reflects more workable dates as per the school and national holiday calendar. Borana has also developed working drafts of the school and adult curricula that would provide the anchors in which the conservation-education-themed messages are based. The curricula also serve as a segue between the national school curriculum through the activities and hands-on practical activities to be undertaken whilst visiting Borana. These curricula were further revised during an inception meeting with 10 headteachers and 20 teachers held on Borana, following which several amendments were made to the draft documents. The consultation process in itself has helped foster collaboration between the schools and Borana regarding Mazingira Yetu.

Key to note was an introductory meeting held in June 2022 between the Ministry of Education, the Teachers' Service Commission (TSC) and Quality Control, at which Mazingira Yetu, the draft curricula and programme plans were shared. These were very well received, and the programme received full support.

During Richard's visit to Borana in November 2022, a Theory of Change was produced that builds upon the strategic objectives of the programme. As the original strategic objectives were proposed before trialling the material in the Borana landscape, the Education Team developed a new and sustainable approach to Mazingira Yetu delivery that would enhance the 'Head', 'Heart' and 'Hands' model. This new framework predicts the journey of learners, from knowledge, through to attitude, competence and behaviour change. A developed pedagogy landscape supports the theoretical assumptions behind curriculum decisions, and the M&E plan has incorporated learnings from the past six months to directly measure the Theory of Change. Questionnaires and focus group schedules were prepared for data collection in 2023. All these developments have been documented and explained in the Mazingira Yetu Framework (Appendix F).

C Train staff & prepare / purchase CE resources

From May to July 2022, the CE Officer and CE Assistant were inducted into every aspect of life on Borana and its ongoing operations, so that they are able to answer any questions that might arise, while being aware of security sensitivities. They now have great brilliant knowledge of the rhino population and wildlife across the Lewa-Borana-Landscape (LBL), all of Borana's outreach projects, and the dynamics of the landscape in general.

Working with existing BESP staff, the CE Officer and CE Assistant were able to compile and purchase a prioritised list of CE resources and equipment. To date, the following items have been bought for the programme: camera; chairs; bean bags; a projector screen; projector; speakers; flip charts; footballs; volley balls; and stationery.

During Richard's visit to Borana in November, an Education Team development plan (Appendix G) was created to articulate the long- and short-term ambitions of the staff working out of the Education Centre. It is envisioned that Richard's next visit will focus around competency and professional development, featuring sessions on peer education, leadership and self-evaluations.

D Purchase & adapt vehicle

As soon as funding was in place, Borana purchased a 30-seater Hyundai EX9 DT Dobie Nakuru. Once purchased, the bus was brought to Borana's workshop, where it was modified to convert the vehicle into a game-viewing vehicle, suitable for safely transporting 30 individuals from their schools or communities to Borana Conservancy. The CE bus, now known as the Mazingira Express, has been fitted with a tracker to allow the vehicle's movements and driving style to be monitored. A log book continues to be maintained of all mileage, fuel, oil, maintenance, repairs and modifications made in the Borana workshop. Vehicle movements are monitored through EarthRanger™ and its movements planned in advance. The Mazingira Express will be regularly maintained in Borana's workshop, with more extensive overhauls planned for the rainy seasons (c. March-April and October-November), when the roads may become difficult to navigate.

E Construct CE Centre (basic fit-out), ablutions block & kitchen

As mentioned in the Executive Summary, an old woolshed located at Borana Headquarters has been completely re-purposed to create the new Mazingira Yetu Education Centre. Rather than commissioning an entirely new building, Borana has made use of this 100-year-old building. It has a corrugated iron roof, and will demonstrate sustainable building approaches, including the use of a large proportion of recycled materials and water collection from all roofs. All the modifications were made in-house, using Borana Conservancy's members of staff and resources, allowing for much more creativity and flexibility with the style and design of the building, particularly with regard to re-purposing materials.

The basic interior design and fit-out was complete by the end of October, with further budget to make changes in Year 2, once the team has assessed how well the classroom space is working. There are options to significantly enhance the displays as and when funding permits, e.g. installing multi-media displays such as an EarthRanger™ interface with the Joint Operations Command Centre (JOCC) at Lewa Wildlife Conservancy, which can be customised to show non-sensitive data such as live human-elephant conflict incidents, bushfires, and moving assets (vehicles, aircraft) etc. The building has worked really well to date, and has become a hub and base for community meetings as well as the education days.

F Deliver Conservancy Trips

Beginning in July 2022, and continuing thereafter, Mazingira Yetu launched a regular programme of Conservancy Trips. The Mazingira Yetu Express collects groups of schoolchildren (28 children and two teachers) or adults, from the conservancies, villages and forests surrounding Borana and brings them into the Conservancy for the day. The itinerary for each visit, which has been informed by the SAPA process, and which will continued to be refined, includes some or all of the following:

*Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)*

- In the Mazingira Yetu Education Centre, watch educative documentaries and have interactive conservation sessions and games
- Using the Mazingira Express, the learners will be able to experience on-site learning and tour the Conservancy whilst seeing wildlife
- Visiting the Radio Operations room at Borana HQ and meeting members of the Rhino Protection Team
- Visiting the Recycling Centre and tree nursery at Borana HQ
- Learning the plight of rhinos, understanding the different rhino species and their importance to the communities and the ecosystem
- How to track rhino, lion and other wildlife with members of Borana's Wildlife Monitoring Teams
- Understanding the value of natural capital, resource management and the importance of de-conflicting wildlife and humans
- Eat a meal of locally grown produce
- Throughout each Conservancy Trip, participants meet and interact with different members of Borana staff, male and female, who act as role models for the schoolchildren

In Year 1, the target was to hold ≥ 10 Conservancy Trips / year involving ≥ 250 schoolchildren, and ≥ 5 Conservancy Trips / year involving ≥ 100 adults; while Year 2 aimed to double those numbers. In practice during 2022, 10 groups participated in the CEP, reaching out directly to a total of 465 beneficiaries. Of these beneficiaries, 393 were students, 24 were teachers, and 90 were adults / community groups. This more than achieved the original targets. Furthermore, the Centre accommodated additional students brought together through the 'Oasis of Love' initiative as a form of mentorship and education. Community visits also took place (*Table 2*); these were also a great success.

Table 2: Adult / community groups benefiting from Mazingira Yetu

Name of the group	# women	# men	Total
Naramat Entim-Lokusero	15	0	15
Ethi Group	40	0	40
Namaiyana-Makurian	32	2	34
Osuguroi- Chumvi	33	5	38
Grand Total			127

In conjunction with The Elephant Queen team (TEQ), the Elephant Queen film was shown at the MY centre to all the six adjacent communities and 10 community schools with the aim of sensitizing the communities on the plight of the elephants and human wildlife conflict. The film was also shown to Borana staff.

Mazingira Yetu trainings and other activities

- Snakes training: The training was aimed at sensitizing the Conservancy staff on snake handling techniques and snake species. This was delivered to 22 members of staff
- The Long Run (TLR) annual meeting: The meeting was held in the MY Centre on Borana, with key deliberations on the progress and future of TLR. A total of 40 members attended
- Ecological Outcome of Verification (EOV): The MY Centre, in conjunction with SNV and True Range, hosted two ecological verification workshops with the aim of sensitizing communities and project managers on ways to conserve and observe the health of their environments. A total of 40 members attended the training
- Teachers' inception meeting: Prior to the launch of the MY programme, an inception meeting was held with Headteachers and teachers to engage them on the developed curriculum and the aims of the programme. A total of 30 teachers attended the meetings
- Mukogodo Wild Walk Event: In conjunction with various conservation partners, we attended the inaugural Mukogodo Wild Walk Event. The aim of the Event was to sensitize people of the forest

*Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)*

as well as bring stakeholders on board for further participation of conservation activities in the forest. This was the first edition of the 10km walk, which will be held annually

G Monitor & evaluate primary audiences pre- & post Conservancy Trips

In collaboration with Richard, a Monitoring and Evaluation (M&E) plan has been developed. Pre-evaluation surveys have been sent out to all the schools that MY will be reaching.

Throughout 2022, pre- and post-evaluation methods were trialled among target beneficiaries. Questionnaires and format was subsequently refined to maximise the usefulness of the data. What began as a set of 11 questions was narrowed to just four. Each question has been carefully crafted to assess a combination of pathways along MY's Theory of Change. Questions, schedules and data input templates were finalised during Richard's visit in November. Essentially, the Education Team used 2022 to create a contextual response to M&E methods and a more viable and strategic plan has been produced in the MY Framework (Appendix F).

H Produce annual M&E report

For Y1, as highlighted in Activity G, we aimed at piloting various M&E tools that would be a baseline for learning the effective means as well as our audiences. For Y2, our aim is to deploy and analyse the results from the responses received. Please refer to Appendix I for the pre- and post-visit questionnaires guided by the framework, which will be used to develop a comprehensive Y2 M&E report.

Activities to meet Objective 2: Inspires participants to spread key conservation messages to secondary audiences, i.e. family and community members

I Develop Participatory Realist Impact evaluation framework

In collaboration with Richard, an M&E plan has been developed, which includes the development of a Participatory Realist Impact (PRI) evaluation framework in Y2.

The PRI M&E framework ended up being a simple Theory of Change-led process model instead (at least for now). Details are in the Framework document (Appendix F) and in Section G above. Conservation Celebration Days (CCDs) will need to be developed alongside partner school teachers: ownership must happen here as the school sites will be venues, and content will be driven by youth groups and participants of MY.

J Deliver 7 x Conservation Celebration Days

CCDs will be held in Y2. Y1 entailed identifying the groups and having hands-on conservation discussions that evoke positive conservation discussions.

K Monitor & evaluate secondary audiences pre- & post CCD events

This will be conducted in Y2 through Focus Group Discussions (FGDS) as highlighted in the evaluation framework (Appendix I).

A conservation curriculum was developed for the purposes of guiding interaction with students on conservation messages and better align interactions that promote experiential learning. Further, in conjunction with Richard Hennery, the MY team developed a pedagogy, streamlined the structure, reporting lines and developed a purpose that further aligns with / grounds MY's activities.

The new purpose of the programme is, "*Mazingira Yetu provides place-based, mutual and holistic education focused on regenerative action-based approaches, to engage and inspire all to secure global ecosystem health*".

Activities to meet Objective 3: Enables the wider community to take positive action to conserve the conservancies surrounding the Lewa-Borana Landscape

L Work with communities to develop demonstration sites
Not yet scheduled, due in Y2.

M Recruit staff from communities for roles at Borana

This will occur on an as-and-when-needed basis but for now MY has four (4) personnel: CE Officer, CE Assistant, a cook, and the Centre's cleaner. The four dedicated staff ensure that the Mazingira Yetu's objectives are delivered to all the visiting and participating groups.

N Maintain law-enforcement & wildlife monitoring patrols etc.

During this period, the threat level remained high. Intelligence reports suggested that it was likely that there were poaching attempts or efforts to put teams together to poach in Laikipia; however, it is extremely difficult to identify specific incidents. To the best of the team's knowledge, there were no incursions on Borana during 2022.

The intelligence-gathering systems housed at the Joint Operations Command Center (JOCC) on Lewa Wildlife Conservancy (LWC) continue to act as a shared cost and resource between LWC and Borana Conservancy Ltd (BCL), remaining key to informing security personnel regarding potential threats to be addressed. Security matters continue to be reported back through Lewa's JOCC. Borana's Senior Commanders report to their counterparts at Lewa. Rianto Lokoran continues to lead the general security team, and reports back to John Pameri at the JOCC. Kuipe leads Borana's armed security unit and reports directly to Edward Ndiritu at the JOCC.

As of 1 June 2022, Borana began using EarthRanger™ and has built a mini JOCC at its National Police Reservist (NPR) base. New screens and computers were bought and the ops room is now fully kitted out. A LoRa WAN network has been installed to cover Borana and Lewa and, with help from 51 Degrees, all of Borana's rhino monitors and field rangers are now using EarthRanger (ER). ER is extremely useful for tracking wildlife populations, particularly black rhino, but also allows one to track all Conservancy assets and informs management on all activities and events. In February 2023, Borana will work with 51Degrees to establish a monthly reporting template using a system called Tableau. This will generate heat maps of territories much like SMART did, along with patrol data, invasive species distribution and general wildlife population data.

Law enforcement and collaboration remain the strongest pillars for success. The need to maintain and enhance law-enforcement capacity remains essential, whilst Borana continues to focus on developing capacity for range expansion and biological management.

The number of rhinos on the LBL increased from 247 (131 black and 116 white) at the end of 2021 to 254 (133 black and 122 white) at the end of December 2022. Due to the prevailing dry conditions, the rhino monitors continued to carry out body-condition assessments every month to check the health of each animal. Fortunately, all rhinos were scoring between 4 and 5 (the maximum score) despite the dry conditions, and the calves are growing well. Two rhinos on Lewa fell below 3.0 during the dry period, but improved slightly following some rain in November. In July, Borana began to provide supplementary feeding for white rhino and buffalo at two points: the Kongo River and by the Borana Lodge lugga; this ceased in mid-August following some light rain.

The average growth rate in the 2020-22 window was 7%, compared to 10.5% in the 2019-21 period. Since the LBL inter-calving interval is 2.7 years, this low calving rate was expected after the peak calving rate in 2021. The high number of deaths recorded in the year also contributed to the reduced growth rate but the LBL's average age at first calving in the 2020-22 period is 7.6 years.

The population of white rhino on the LBL has increased from 116 at the beginning of 2022 to 122 at the end of December 2022. There are now 30 breeding white rhino females across the LBL. Despite

the dry conditions, the body conditions of all white rhinos on Borana remained good, with each animal scoring between 4 and 5.

Please also see Appendix H for the Annual Report for 2022 by the CE Officer and CE Assistant.

4. Problems and challenges

The main challenge encountered to date has been the changes to the national school curriculum and school term dates, however these issues have now been resolved. As noted above, MY staff have visited the offices of the Ministry of Education and Teachers' Service Commission to introduce the programme and, as a result, received approval for the programme and rescheduled the trips to better align.

Borana has put all its resources into getting MY up and running, and is very pleased that Phase 1 of the project is nearing completion, i.e. developing the public space and amenities to provide catering and ablutions for visiting students, and the workspaces, which include the multimedia centre, 4Cs room, citizen-science workspace, stores, offices, dining room and kitchen.

Phase 2 – conceived of since our original proposal – revolves around creating a space that will comprise six double *en-suite* rooms and a common area, so that Borana can host students attending courses, or educators running courses, or students doing PhDs or Masters. This phase is progressing well and will offer great opportunities in the future.

The Borana management team has also developed a proposal for an African Rangeland Management and Leadership School, which is even larger in scope and vision, and so is taking longer to raise the full funding required. Borana envisages that the Mazingira Yetu Education Centre could assist as an interim step, providing a base from which the Conservancy can start some of the important coursework that needs to happen in order to reverse the alarming rate of degradation and introduce regenerative solutions across the landscape.

Finally, given the quality of input and advice received from a range of stakeholders, including Richard Hennery, the Ministry of Education, Teachers' Service Commission and Borana's own staff, Mazingira Yetu promises to evolve into something even more important and significant than originally envisaged. Borana expects it to have a very significant impact on how this community moves forward as one collaborating unit, with a shared vision for protecting and nurturing natural capital and the equitable distribution of natural resources. It has been a learning process for everyone involved, a vision that was centred around a need, which has turned into a much larger vision with huge buy-in.

5. Progress towards objectives

Objective	Original status	Desired conservation outcome	Actual status after 12 months
1.1 Knowledge of Borana, conservation & black rhinos improved in primary target audience (schoolchildren & adults)	N/a, MY is a brand-new programme	Improvement in learners' level of knowledge of Borana, conservation & black rhinos after exposure via the Conservancy Trips	Knowledge of Borana, conservation & black rhinos improved in primary target audience (schoolchildren & adults) has greatly increased with 70% of visitors seeing a black rhino first hand during the game drive

*Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)*

Objective	Original status	Desired conservation outcome	Actual status after 12 months
2.1 Knowledge of Borana, conservation & black rhinos improved in secondary target audiences (wider community)	As above	Improvement in secondary audiences' level of knowledge of Borana, conservation & black rhinos	Knowledge of Borana, conservation & black rhinos improved amongst community individuals that visited the Conservancy, needs more time to expand to wider audience
2.2 Direct experience of Borana & its wildlife engages Conservancy Trip participants emotionally with the wider LBL	As above	Communities living in the Lewa-Borana Landscape support conservation & live 'with' the environment instead of living 'off' it	Improving, with more time this will certainly increase.
2.3 The long-term sustainability of the Conservancy Trips & Conservation Celebration Days are improved through the introduction of more participatory approaches to the programme's development	As above	Ownership is self-reported to correlate with motivation	As the programme and content was still under development by the Education Team for 12 months, feedback and suggestions from the beneficiaries is yet to be factored in. CCDs will be the best spaces to report on some of the ownership issues, as we expect teachers to design content themselves - but again, these have not taken place yet. In general, the approach has been to re-design the M&E structure and give it more of a focus.
3.1 Positive actions are taken by communities living in conservancies & forests around Borana to improve the home environment	As above	Increase in # & % of people engaged in 'conservation-friendly' practices	As above
3.2 Cohort of participants that have been through the Mazingira Yetu programme remain engaged with Borana	As above	Increase in # & % of recruits for Borana that participated in Conservancy Trips & CCDs	As above
3.3 Increased security for Borana as a whole, & for Borana's black rhino population in particular	As above	Decrease in # of poaching-related rhino & elephant mortalities in LBL & surrounding conservancies & forests Increase in # of rhino & elephant in LBL	As above

*Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)*

Anticipated outputs / products for the whole 24-month period	Actual outputs / products after 12 months
<p>1.1 Knowledge of Borana, conservation & black rhinos improved in primary target audience (schoolchildren & adults)</p> <ul style="list-style-type: none"> • 2 CE staff recruited & inducted • Detailed strategy, curriculum & M&E plan • ≥ 20 Conservancy Trips / year involving ≥500 schoolchildren by end Year 2 • ≥ 10 Conservancy Trips / year involving ≥200 adults by end Year 2 • Annual M&E report produced, with recommendations arising 	<ul style="list-style-type: none"> • 2 CE staff recruited in mid-April & inducted, an additional 2 CE staff recruited in September (a cook and cleaner for the Centre) • Detailed strategy, curriculum & M&E plan developed • First Conservancy Trip took place on 29 July 2022 • 10 groups participated in the CEP reaching out directly to a total of 465 beneficiaries. Of these beneficiaries, 393 were students, 24 were teachers, and 90 were adults / community groups.
<p>2.1 Knowledge of Borana, conservation & black rhinos improved in secondary target audiences (wider community)</p> <ul style="list-style-type: none"> • Strategy developed for wider audience engagement during CCDs • 6 x annual Rhino Challenge Trophies • Annual M&E report • WCC noticeboards at BESP schools 	<ul style="list-style-type: none"> • More detailed Conservation Education Framework signed off in 2022 Q4 • Strategy for wider engagement will really be the CCDs organised by local schools • ABC! Awards (see the Conservation Framework in Appendix F) • Annual M&E report will be done (see Framework) • Noticeboards - recommended as part of ABC! awards
<p>2.2 Direct experience of Borana & its wildlife engages Conservancy Trip participants emotionally with the wider LBL</p> <ul style="list-style-type: none"> • Itinerary / curriculum / resources for the Conservancy Trips • Annual M&E report 	<ul style="list-style-type: none"> • Itinerary and curricula drafted for further refinement • Nearly all the resources have been purchased • Annual M&E report due 2023 Q1. To date, Borana has focused on sending out pre-Conservancy Trip evaluation forms
<p>2.3 The long term sustainability of the Conservancy Trips & WCCs are improved through the introduction of more participatory approaches to the programme's development</p> <ul style="list-style-type: none"> • Annual meetings with focus groups to develop practical aspects of Conservancy Trips' & WCCs' curriculum & M&E, enabling Borana to foster wider community programme ownership 	<ul style="list-style-type: none"> • Meetings held to date with the Ministry of Education, Teachers' Service Commission, and 10 BESP-supported schools. Now that the programme has been launched, Borana hopes to hold meetings with various different community groups during the next few months
<p>3.1 Positive actions are taken by communities living in conservancies & forests around Borana to improve the home environment</p> <ul style="list-style-type: none"> • Participants feed back to wider community members on best practice 	<ul style="list-style-type: none"> • This is planned to commence during the CCDs and via focus group discussions
<p>3.2 Cohort of participants that have been through Mazingira Yetu remain engaged with Borana</p> <ul style="list-style-type: none"> • Scout recruitment & training • Lodges / community campsites manned by local staff 	<ul style="list-style-type: none"> • Not expected yet as Mazingira Yetu has only just begun but perhaps other recruitment avenues should ask during onboarding if new staff have participated in MY

Anticipated outputs / products for the whole 24-month period	Actual outputs / products after 12 months
<p>3.3 Increased security for Borana as a whole, & for Borana's black rhino population in particular</p> <ul style="list-style-type: none"> Patrols, vehicles, infrastructure, LE / monitoring equipment, EarthRanger™ demonstration etc. 	<ul style="list-style-type: none"> EarthRanger™ and LoRa WAN rollout commenced 1 June 2022 No incursions detected on Borana since beginning of 2022; no rhino-poaching incidents in eight years and daily sightings of rhino continue
	<ul style="list-style-type: none"> Article on Mazingira Yetu submitted to and accepted by <i>Pachyderm</i>, Issue 63 for publication http://bit.ly/3lxYVD9

6. Financial report

As mentioned above, the vision for Mazingira Yetu has grown since our original proposal, and Phase 2 has become very important, which has inflated the budget. Further, we had omitted elements in the original budget, e.g. graphic designs for the Mazingira Express; insurance for the bus; landscaping around the Centre; employees to look after the Centre and cook for visitors; items for the kitchen such as a cooker; items such as chairs and bean bags for the Centre; and infographics for the walls of the Centre. Once again, this has been a learning curve as well as an expanding opportunity, and, as a result, we have had to add necessary items to the budget. We also took the opportunity to build six *en-suite* rooms for visiting students, researchers etc., at a total cost.

Please see overleaf for:

- the original 2-year budget
- the revised budget for Y1 once we'd decided to build the accommodation
- actual expenditure during Y1
- and a draft revised budget for Y2 (Borana needs to check / amend this)

The differences between the revised budget for Y1 and actual expenditure for Y1 is shown below:

Mazingira Yetu: Securing the future of black rhino conservation in Laikipia, Kenya		
Activity	Revised	
	Budget US \$	Actuals US\$
A: Recruit staff (Conservation Education (CE) Officer & CE Assistant)	\$12,400	\$12,939
B: Refine the CCCP strategy, curriculum & M&E Plan	\$5,250	\$8,013
C: Train staff & prepare / purchase CE resources	\$2,500	\$1,485
D: Purchase & adapt vehicle	\$61,700	\$64,878
E: Construct CE Centre (basic fit-out), ablutions block & kitchen	\$90,822	\$97,271
G: Monitor & evaluate primary audiences pre- & post WCDs	\$940	\$1,748
H: Produce annual M&E report	\$0	\$0
I: Develop Participatory Realist Impact evaluation framework	\$0	\$0
J: Deliver 7 x Wildlife Conservation Celebration events	\$0	\$0
Grand total	\$173,612	\$186,334

We have not yet raised any funds towards the Y2 costs of Mazingira Yetu, estimated at \$65,953.

*Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)*

Original 2-year budget

Connecting Conservancies and Communities: Securing the future of black rhino conservation in Laikipia, Kenya REVISED Budget Y1 & Y2 (2022 and 2023)				US \$1 = Ksh 115						
Activity	Cost calculation	Total 2-year #	Unit	Unit cost US\$	2022 cost US\$	2023 cost US\$	WildArk	Ardea Cares	SRI Inc	Tbc
A: Recruit staff (Conservation Education (CE) Officer & CE Assistant)										
Staff recruitment	One-off cost incurred Year 1 month 1 \$500	1	One-off	\$500	\$500	\$0			\$500	\$0
Conservation Education Officer	Salary \$800/mth, starting Year 1 mid-month 4	20.5	Person-mor	\$800	\$6,800	\$9,600			\$6,800	\$9,600
Conservation Education Assistant	Salary \$600/mth, starting Year 1 mid-month 4	20.5	Staff month:	\$600	\$5,100	\$7,200			\$5,100	\$7,200
Activity A subtotal					\$12,400	\$16,800	\$0	\$0	\$12,400	\$16,800
B: Refine the CCCP strategy, curriculum & M&E Plan										
International travel & internal transfers	For Richard Henney	1	Travel	\$1,500	\$1,500	\$0			\$1,500	\$0
CE consultancy by Richard Henney	15 days @ \$250 / day in Year 1 months 2-3	15	Person-day:	\$250	\$3,750	\$0			\$3,750	\$0
Activity B subtotal					\$5,250	\$0	\$0	\$0	\$5,250	\$0
C: Train staff & prepare / purchase CE resources										
Monoculars / binoculars / equipment	Monoculars @ \$60 x 40	30	Monoculars	\$60	\$1,800	\$0			\$1,800	\$0
Game viewing guides / activities	350 guides in Year 1 & 700 in Year 2 @ \$2 per gui	1,050	Guides	\$2	\$700	\$1,400			\$700	\$1,400
Activity C subtotal					\$2,500	\$1,400	\$0	\$0	\$2,500	\$1,400
D: Purchase & adapt vehicle										
Vehicle purchase	1 x Mitsubishi FH Truck Kes 4,260,000	1	Vehicle	\$37,044	\$37,044	\$0	\$10,000	\$20,000	\$7,043	\$1
Vehicle conversion	Workshop salary \$500/mth x 2 months	2	Person-mor	\$500	\$1,000	\$0			\$1,000	\$0
Vehicle conversion	Materials @ Kes 1,902,400	1	Staff month:	\$16,543	\$16,543	\$0		\$10,000	\$6,543	\$0
CE bus fuel	Average of \$300 / month, from Year 1 month 7	18	Fuel	\$300	\$1,800	\$3,600		\$1,800		\$3,600
CE bus maintenance repairs and spares	Average of \$200 / month, from Year 1 month 7	18	Misc	\$200	\$1,200	\$2,400		\$1,200		\$2,400
Graphic designs for bus	Local contractor	1	Fee	\$1,600	\$1,600	\$0			\$1,600	\$0
Insurance for bus	Annual comprehensive insurance	2	Annual	\$1,400	\$1,400	\$1,873			\$1,400	\$1,873
Bus tyres	32,000 Kes per tyre x 4 tyres	4	Tyre	\$278	\$1,113	\$0			\$1,113	\$0
Activity D subtotal					\$61,700	\$7,873	\$10,000	\$33,000	\$18,699	\$7,874
E: Construct CE Centre (basic fit-out), ablutions block & kitchen										
Classroom construction	Contract for materials and labour	1	Bulk costs	\$30,000	\$30,000	\$0		\$30,000		\$0
Classroom equipment	Digital projector, stationery & materials etc. x 2 yea	2	Misc	\$2,000	\$2,000	\$2,000		\$2,000		\$2,000
Classroom equipment	40 chairs @ Kes 2,500/chair	40	Bulk costs	\$22	\$870				\$870	\$0
Convert tannery to ensuite accommodation	6 rooms; contract for materials and labour	1	Bulk costs	\$45,000	\$45,000					\$45,000
Landscaping around the CE Centre	Plants & labour	1	Bulk costs	\$2,800	\$2,800					\$2,800
Housekeeper	25,000 Kes/month from 1 July 2022	18	Months	\$217	\$1,304	\$2,609			\$1,304	\$2,609
Canteen cook	25,000 Kes/month from 1 July 2022	18	Months	\$217	\$1,304	\$2,609			\$1,304	\$2,609
Cooker	Gas oven cooker @ Kes 150,000	1	Cooker	\$1,304	\$1,304					\$1,304
School meals for students	Kes 200/student x 36 pax/day x 15 meals in Y1 & 3	45	Meals	\$63	\$939	\$1,878			\$939	\$1,878
Graphic designs for CE Centre	Consultant at \$35/hour x 80 hours	80	Hours	\$35	\$2,800				\$2,800	\$0
Infographics	Printing costs	1	Print	\$2,500	\$2,500				\$844	\$1,656
Activity E subtotal					\$90,822	\$9,096	\$0	\$32,000	\$8,061	\$59,856
G: Monitor & evaluate primary audiences pre- & post WCDs										
Stationery supplies	Average \$50 / month, from Year 1 month 7	18	Misc	\$50	\$300	\$600		\$300		\$600
Household meetings - inception surveys	Meetings with teachers & community baseline surve	1	Bulk costs	\$640	\$640				\$640	\$0
Activity G subtotal					\$940	\$600	\$0	\$300	\$640	\$600
H: Produce annual M&E report										
CE consultancy by Richard Henney	5 days @ \$284 / day in Year 2 month 13	5	Person-day:	\$284	\$0	\$1,420				\$1,420
Subtotal Activity H					\$0	\$1,420	\$0	\$0	\$0	\$1,420
I: Develop Participatory Realist Impact evaluation framework										
International travel & internal transfers	For Richard Henney	1	Travel	\$1,500	\$0	\$1,500				\$1,500
CE consultancy by Richard Henney	10 days @ \$284 / day in Year 2 month 13	10	Person-day:	\$284	\$0	\$2,840				\$2,840
Subtotal Activity I					\$0	\$4,340	\$0	\$0	\$0	\$4,340
J: Deliver 7 x Wildlife Conservation Celebration events										
Food & drink, prizes etc.	7 x events @ \$2,000 event in Year 2	7	Events	\$2,000	\$0	\$14,000				\$14,000
Subtotal Activity J					\$0	\$14,000	\$0	\$0	\$0	\$14,000
Grand total					\$173,612	\$55,529	\$10,000	\$65,300	\$47,550	\$106,291

*Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)*

Revised budget for Y1, including the six en-suite rooms

Connecting Conservancies and Communities: Securing the future of black rhino conservation in Laikipia, Kenya REVISED Budget Y1 & Y2 (2022 and 2023)				US \$1 =	Ksh 115	
Activity	Cost calculation	Total 2- year #	Unit	Unit cost US\$	2022 cost US\$	2023 cost US\$
A: Recruit staff (Conservation Education (CE) Officer & CE Assistant)						
Staff recruitment	One-off cost incurred Year 1 month 1 \$500	1	One-off	\$500	\$500	\$0
Conservation Education Officer	Salary \$800/mth, starting Year 1 mid-month 4	20.5	Person-month	\$800	\$6,800	\$9,600
Conservation Education Assistant	Salary \$600/mth, starting Year 1 mid-month 4	20.5	Staff month	\$600	\$5,100	\$7,200
Activity A subtotal					\$12,400	\$16,800
B: Refine the CCCP strategy, curriculum & M&E Plan						
International travel & internal transfers	For Richard Henery	1	Travel	\$1,500	\$1,500	\$0
CE consultancy by Richard Henery	15 days @ \$250 / day in Year 1 months 2-3	15	Person-day	\$250	\$3,750	\$0
Activity B subtotal					\$5,250	\$0
C: Train staff & prepare / purchase CE resources						
Monoculars / binoculars / equipment	Monoculars @ \$60 x 40	30	Monoculars	\$60	\$1,800	\$0
Game viewing guides / activities	350 guides in Year 1 & 700 in Year 2 @ \$2 per guide	1,050	Guides	\$2	\$700	\$1,400
Activity C subtotal					\$2,500	\$1,400
D: Purchase & adapt vehicle						
Vehicle purchase	1 x Mitsubishi FH Truck Kes 4,260,000	1	Vehicle	\$37,044	\$37,044	\$0
Vehicle conversion	Workshop salary \$500/mth x 2 months	2	Person-month	\$500	\$1,000	\$0
Vehicle conversion	Materials @ Kes 1,902,400	1	Staff month	\$16,543	\$16,543	\$0
CE bus fuel	Average of \$300 / month, from Year 1 month 7	18	Fuel	\$300	\$1,800	\$3,600
CE bus maintenance repairs and spares	Average of \$200 / month, from Year 1 month 7	18	Misc	\$200	\$1,200	\$2,400
Graphic designs for bus	Local contractor	1	Fee	\$1,600	\$1,600	\$0
Insurance for bus	Annual comprehensive insurance	2	Annual	\$1,400	\$1,400	\$1,873
Bus tyres	32,000 Kes per tyre x 4 tyres	4	Tyre	\$278	\$1,113	\$0
Activity D subtotal					\$61,700	\$7,873
E: Construct CE Centre (basic fit-out), ablutions block & kitchen						
Classroom construction	Contract for materials and labour	1	Bulk costs	\$30,000	\$30,000	\$0
Classroom equipment	Digital projector, stationery & materials etc. x 2 yea	2	Misc	\$2,000	\$2,000	\$2,000
Classroom equipment	40 chairs @ Kes 2,500/chair	40	Bulk costs	\$22	\$870	\$0
Convert tannery to ensuite accommodation	6 rooms; contract for materials and labour	1	Bulk costs	\$45,000	\$45,000	\$0
Landscaping around the CE Centre	Plants & labour	1	Bulk costs	\$2,800	\$2,800	\$0
Housekeeper	25,000 Kes/month from 1 July 2022	18	Months	\$217	\$1,304	\$2,609
Canteen cook	25,000 Kes/month from 1 July 2022	18	Months	\$217	\$1,304	\$2,609
Cooker	Gas oven cooker @ Kes 150,000	1	Cooker	\$1,304	\$1,304	\$0
School meals for students	Kes 200/student x 36 pax/day x 15 meals in Y1 & 3	45	Meals	\$63	\$939	\$1,878
Graphic designs for CE Centre	Consultant at \$35/hour x 80 hours	80	Hours	\$35	\$2,800	\$0
Infographics	Printing costs	1	Print	\$2,500	\$2,500	\$0
Activity E subtotal					\$90,822	\$9,096
G: Monitor & evaluate primary audiences pre- & post WCDs						
Stationery supplies	Average \$50 / month, from Year 1 month 7	18	Misc	\$50	\$300	\$600
Household meetings - inception surveys	Meetings with teachers & community baseline sur	1	Bulk costs	\$640	\$640	\$0
Activity G subtotal					\$940	\$600
H: Produce annual M&E report						
CE consultancy by Richard Henery	5 days @ \$284 / day in Year 2 month 13	5	Person-day	\$284	\$0	\$1,420
Subtotal Activity H					\$0	\$1,420
I: Develop Participatory Realist Impact evaluation framework						
International travel & internal transfers	For Richard Henery	1	Travel	\$1,500	\$0	\$1,500
CE consultancy by Richard Henery	10 days @ \$284 / day in Year 2 month 13	10	Person-day	\$284	\$0	\$2,840
Subtotal Activity I					\$0	\$4,340
J: Deliver 7 x Wildlife Conservation Celebration events						
Food & drink, prizes etc.	7 x events @ \$2,000 event in Year 2	7	Events	\$2,000	\$0	\$14,000
Subtotal Activity J					\$0	\$14,000
Grand total					\$173,612	\$55,529

Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)

Actual expenditure in Y1 (calendar year 2022)

Mazingira Yetu: Securing the future of black rhino conservation in Laikipia, Kenya Actual expenditure January-December 2022					Year 1 Total spent to- date	US \$1 = Ksh 115		Year 1 expected Total	Stichting Suzuki Rhino Club						
Activity	Cost calculation	# units	Unit	Unit cost US\$		Paid by SRI	Paid by Borana		WildArk	Ardea Cares	SRI	SRI Inc	Golden Bottle CT	Anon donors	
A: Recruit staff: Conservation Education (CE) Officer & CE Assistant															
Staff recruitment	One-off cost incurred Year 1 month 1 \$500	1	One-off	\$500	\$500		\$500	\$500				\$500			
Conservation Education Officer	Salary \$699/mth, starting Year 1 mid-April	8.5	Person-months	\$699	\$5,942		\$5,942	\$5,942				\$5,942			
Conservation Education Assistant	Salary \$525/mth, starting Year 1 mid-April	8.5	Staff months	\$525	\$4,463		\$4,463	\$4,463				\$4,463			
Housekeeper	From 1 July 2022	6	Months	\$104	\$624		\$624	\$624	\$626						
Canteen cook	From 1 July 2022	6	Months	\$235	\$1,410		\$1,410	\$1,409	\$1,409						
Activity A subtotal					\$12,938	\$0	\$12,938	\$12,939	\$2,035	\$0	\$0	\$10,904	\$0	\$0	\$0
B: Refine the Mazingira Yetu Framework (strategy, curriculum & M&E Plan)															
International travel & internal transfers	For Richard Henney	1	Travel	\$1,500				\$0							
International travel & internal transfers	Feb 2022: Richard Henney flights Dublin-Nairobi	1	Travel	\$561	\$561	\$561		\$561				\$561			
International travel & internal transfers	Feb 2022: Richard Henney visa, insurance, malaria tablets	1	Travel	\$128	\$128	\$128		\$128				\$128			
International travel & internal transfers	Feb 2022: Richard Henney PCR test	1	Travel	\$65	\$65	\$65		\$65				\$65			
International travel & internal transfers	Feb 2022: Richard Henney internal transfers	1	Travel	\$382	\$382	\$382		\$382				\$382			
CE consultancy by Richard Henney	9 days between 26 Jan-31 Mar 2022	9	Person-days	\$284	\$2,556	\$2,556		\$2,556				\$2,556			
International travel & internal transfers	Nov 2022: Richard Henney flights Dublin-Nairobi	1	Travel	\$627	\$627	\$627		\$627				\$627			
International travel & internal transfers	Nov 2022: Richard Henney visa, insurance, malaria tablets	1	Travel	\$119	\$119	\$119		\$119				\$119			
International travel & internal transfers	Nov 2022: Richard Henney internal transfers	1	Travel	\$74	\$74	\$74		\$74				\$74			
CE consultancy by Richard Henney	12 days between 1 Apr-7 Sept 2022	12	Person-days	\$250	\$3,000	\$3,000		\$3,000				\$3,000			
CE consultancy by Richard Henney	2 days between 18 Nov-16 Dec 2022	2	Person-days	\$250	\$500	\$500		\$500			\$254	\$246			
Activity B subtotal					\$8,013	\$8,013	\$0	\$8,013	\$0	\$0	\$254	\$7,759	\$0	\$0	\$0
C: Train staff & prepare / purchase CE resources															
Monoculars / binoculars / equipment	Monoculars @ \$56 x 15	15	Monoculars	\$56	\$835		\$835	\$785				\$785			
Game viewing guides / activities	350 guides in Year 1 @ \$2 per guide (not yet printed)	0	Guides	\$2	\$0		\$0	\$700				\$700			
Activity C subtotal					\$835	\$0	\$835	\$1,485	\$0	\$0	\$0	\$1,485	\$0	\$0	\$0
D: Purchase & adapt vehicle															
Vehicle purchase	1 x Mitsubishi FH Truck Kes 4,260,000	1	Vehicle	\$37,043	\$37,043		\$37,043	\$37,043	\$10,000	\$20,000		\$7,043			
Vehicle conversion	Workshop salary \$500/mth x 2 months	2	Person-months	\$500	\$1,000		\$1,000	\$1,000				\$1,000			
Vehicle conversion	Materials @ Kes 1,902,400	1	Staff months	\$16,543	\$16,543		\$16,543	\$16,543		\$10,000		\$6,543			
CE bus fuel	Bulk purchase \$755	1	Fuel	\$755	\$755		\$755	\$4,530				\$4,530			
CE bus maintenance repairs and spares	Average of \$200 / month, from Year 1 month 7; not yet paid in full	0	Misc	\$200	\$0		\$0	\$1,200		\$1,200					
Graphic designs for bus	Local contractor	1	Fee	\$1,430	\$1,430		\$1,430	\$1,430				\$1,430			
Insurance for bus	Annual comprehensive insurance	1	Annual	\$1,873	\$1,873		\$1,873	\$1,873				\$1,873			
Bus tyres	32,000 Kes per tyre x 7 tyres	7	Tyre	\$180	\$1,259		\$1,259	\$1,259				\$1,259			
Activity D subtotal					\$59,903	\$0	\$59,903	\$64,878	\$10,000	\$35,730	\$0	\$19,148	\$0	\$0	\$0
E: Construct CE Centre (basic fit-out), ablutions block & kitchen															
Classroom construction	Contract for materials and labour	1	Bulk costs	\$36,514	\$36,514		\$36,514	\$36,514	\$724	\$29,270		\$6,520			
Classroom equipment	Digital projector, stationery & materials etc. x 2 years	1	Misc	\$5,706	\$5,706		\$5,706	\$5,706	\$4,720			\$986			
Classroom equipment	40 chairs @ Kes 2,500/chair + 30 Bean bags	70	Bulk costs	\$35	\$2,423		\$2,423	\$2,423	\$2,423						
Convert tannery to ensuite accommodation	6 rooms; contract for materials and labour; not yet paid in full	0	Bulk costs	\$45,000	\$0		\$0	\$45,000	\$12,470				\$11,500	\$4,800	\$16,230
Landscaping around the CE Centre	Plants & labour	1	Bulk costs	\$1,599	\$1,599		\$1,599	\$1,599	\$1,599						
Cooker	Gas oven cooker @ Kes 150,000-	1	Cooker	\$739	\$739		\$739	\$739							
School meals for students	Kes 200/student x 36 pax/day x 15 meals in Y1 & 30 in Y2	15	Meals	\$22	\$330		\$330	\$330	\$330						
Graphic designs for CE Centre	\$35/hour x 80 hours; not yet paid in full	80	Hours	\$13	\$1,040		\$1,040	\$2,800	\$2,800						
Infographics	Printing costs (not yet paid in full)	0	Print	\$2,160	\$0		\$0	\$2,160	\$2,160						
Activity E subtotal					\$48,351	\$0	\$48,351	\$97,271	\$27,965	\$29,270	\$0	\$7,506	\$11,500	\$4,800	\$16,230
G: Monitor & evaluate primary audiences pre- & post WCDs															
Stationery supplies	Average \$50 / month, from Year 1 month 7 (not yet paid)	0	Misc	\$50	\$0		\$0	\$300		\$300					
Household meetings - inception surveys	Meetings with teachers & community baseline survey	1	Bulk costs	\$1,448	\$1,448		\$1,448	\$1,448				\$1,448			
Activity G subtotal					\$1,448	\$0	\$1,448	\$1,748	\$0	\$300	\$0	\$1,448	\$0	\$0	\$0
H: Produce annual M&E report															
CE consultancy by Richard Henney	5 days @ \$284 / day in Year 2 month 13	0	Person-days	\$284	\$0		\$0	\$0							
Subtotal Activity H					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
I: Develop Participatory Realist Impact evaluation framework															
International travel & internal transfers	For Richard Henney In Year 2	0	Travel	\$1,500	\$0		\$0	\$0							
CE consultancy by Richard Henney	10 days @ \$284 / day in Year 2 month 13	0	Person-days	\$284	\$0		\$0	\$0							
Subtotal Activity I					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
J: Deliver 7 x Wildlife Conservation Celebration events															
Food & drink, prizes etc.	7 x events @ \$2,000 event in Year 2	0	Events	\$2,000	\$0		\$0	\$0							
Subtotal Activity J					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grand total					\$131,488	\$8,013	\$123,475	\$186,334	\$40,000	\$65,300	\$254	\$48,250	\$11,500	\$4,800	\$16,230

*Save the Rhino International Inc. grant report for Stichting Suzuki Rhino Club
Mazingira Yetu at Borana Conservancy, Kenya, Y1 (January to December 2022)*

DRAFT revised budget for Y2 (calendar year 2023)

Mazingira Yetu: Securing the future of black rhino conservation in Laikipia, Kenya DRAFT Revised Budget Y2 (2023)					Ksh 115				
Activity	Cost calculation	Total 2- year #	Unit	Unit cost US\$	2023 cost US\$	Donor tbc	Donor tbc	Donor tbc	Donor tbc
A: Recruit staff (Conservation Education (CE) Officer & CE Assistant)									
Conservation Education Officer	Salary \$699/mth	12	Person-mor	\$699	\$8,388				
Conservation Education Assistant	Salary \$525/mth	12	Staff month	\$525	\$6,300				
MY Centre housekeeper	Salary \$120/mth	12	Staff month	\$120	\$1,440				
MY Centre cook	Salary \$250/mth	12	Person-mor	\$250	\$3,000				
MY Centre Manager	Salary \$400/mth, starting July 2023	6	Staff month	\$400	\$2,400				
Activity A subtotal					\$21,528	\$0	\$0	\$0	\$0
B: Refine the CCCP strategy, curriculum & M&E Plan									
International travel & internal transfers	Not needed in Y2	0	Travel	\$1,250	\$0				
CE consultancy by Richard Hennery	Not needed in Y2	0	Person-day	\$250	\$0				
Activity B subtotal					\$0	\$0	\$0	\$0	\$0
C: Train staff & prepare / purchase CE resources									
Misc equipment	CE resources	1	Bulk costs	\$1,000	\$1,000				
Game viewing guides / activities	700 in Year 2 @ \$2 per guide	700	Guides	\$2	\$1,400				
Activity C subtotal					\$2,400	\$0	\$0	\$0	\$0
D: Purchase & adapt vehicle									
MY Express fuel	Average of \$300 / month	12	Vehicle	\$300	\$3,600				
MY Express maintenance repairs and spar	Average of \$200 / month	12	Person-mor	\$200	\$2,400				
MY Express insurance	Annual comprehensive insurance	1	Annual	\$2,000	\$2,000				
MY Express tyres	34,500 Kes per tyre x 4 tyres	4	Tyres	\$300	\$1,200				
Activity D subtotal					\$9,200	\$0	\$0	\$0	\$0
E: Construct CE Centre (basic fit-out), ablutions block & kitchen									
Misc. fitout	Contract for materials and labour	1	Bulk costs	\$5,000	\$5,000				
Classroom equipment	Misc. equipment	1	Bulk costs	\$600	\$600				
School meals for students	30 meals in Y2 @ \$25/meal	30	Meals	\$25	\$750				
Infographics	Design and printing costs	1	Bulk costs	\$2,500	\$2,500				
Activity E subtotal					\$8,850	\$0	\$0	\$0	\$0
G: Monitor & evaluate primary audiences pre- & post WCDs									
Stationery supplies	Average \$50 / month	12	Misc	\$50	\$600				
Household meetings - inception surveys	Not needed in Y2	0	Bulk costs	\$640	\$0				
Activity G subtotal					\$600	\$0	\$0	\$0	\$0
H: Produce annual M&E report									
CE consultancy by Richard Hennery	10 days @ \$275/ day in Year 2	10	Person-day	\$275	\$2,750				
Subtotal Activity H					\$2,750	\$0	\$0	\$0	\$0
I: Develop Participatory Realist Impact evaluation framework									
International travel & internal transfers	For Richard Hennery x 2 trips	2	Travel	\$1,250	\$2,500				
CE consultancy by Richard Hennery	15 days @ \$275/ day in Year 2	15	Person-day	\$275	\$4,125				
Subtotal Activity I					\$6,625	\$0	\$0	\$0	\$0
J: Deliver 7 x Wildlife Conservation Celebration events									
Food & drink, prizes etc.	7 x events @ \$2,000 event in Year 2	7	Events	\$2,000	\$14,000				
Subtotal Activity J					\$14,000	\$0	\$0	\$0	\$0
Grand total					\$65,953	\$0	\$0	\$0	\$0

7. Final comments

We are deeply appreciative of all the donors who have made Mazingira Yetu possible, as are those involved with delivering the programme and its beneficiaries:

"The Mazingira Yetu programme is unique in that it is based on a community-centred approach. Thus, its aim is to also use conservation education as a platform to foster inclusion and champion for equity, in the end bringing people closer and driving towards sustainability."
Stephen Gachagua, CE Officer, Mazingira Yetu

"The Program has been eye-opening, especially for the children here, as it has exposed them to various wildlife and activities in Borana."
Peter Gituma, Teacher Chumvi Primary School

"I got to learn a lot from the trip and my favourite part was getting to interact with a pilot where we learnt a few things about the airplanes and my students were very inspired by this interaction."
Caroline Kendi, Teacher Ngare Ndare Primary School

"I would like to thank Borana for this initiative, my students have now learnt specially to go to the field and see what we learn in class. We hope this program continues to impact our community."
Samuel Kagiri, Teacher Sang'a Primary School

"Thank you Borana for the program, I got to see for the first time a Rhino and learnt that we have 2 species of Rhinos. I also got to experience and see, touch, and ride a horse for the first time."
Jane Pasiante 6 Pupil

"The trip was very exciting, I got see elephants and learn how I can help my conserve my environment"
Moses Mirinyo, Enakishomi Grade 6 Pupil

"The program comes at a timely time when we look to strengthen our ties with Borana. We got to learn a lot and discuss issues affecting our community and explore ways to mitigate them as well. Overall, it was a good engagement and fruitful day"
Susan Salaon, Lokusero Community Group

Appendices

List of appendices supplied with the 6-month interim grant report:

- A Photographs to illustrate this grant report
- B The Conservation Education Framework (DRAFT). Supplied as a separate PDF
- C CVs for Stephen Gachagua (CE Officer) and Jedidah Kamoiro. Supplied as a separate PDF
- D Article for *Pachyderm*, issue 63

NB: More documents were available on request, e.g. Floor plan designs for the Centre; OI Kinyei School draft programme plan; debrief of Richard Hennery's field trip to Borana in February 2022; the Education Centre design process; the SAPA to solutions analysis; and a SWOT analysis.

Appendices supplied with this 12-month interim report (all as separate documents)

- E Photographs to illustrate this grant report
- F The Conservation Education Framework (updated version)
- G MY Education Team Development Plan
- H MY Annual Report 2022, by Stephen Gachagua and Jedidah Kamoiro
- I Monitoring and Evaluation Plan