

2019 DETAILED ACTIVITY REPORT

KILIMANJARO TECHNOLOGY FOUNDATION

“KILITECH”



DEDICATED TO BRINGING HEARTS AND MINDS TOGETHER

TO END POVERTY IN TANZANIA

www.kilitech.org

2019 ANNUAL REPORT

ACTIVITIES, ACHIEVEMENTS AND CHALLENGES

Priority Areas:

In 2019, KiliTech benefited over two thousand students and more than fifty teachers across five schools in the Arumeru district. We found that each of the five schools face similar challenges including inadequate and failing sanitary conditions contributing to the increased potential for disease and incomplete and deteriorating infrastructures that negatively impact the teaching and learning environments. We found that across all five schools the number of students exceed school capacity for classrooms and sanitation and offer inadequate, or non-existent, housing for teachers thus requiring them to travel long distances for their students. Three of the five schools lack properly equipped school kitchens resulting in shortened school days because the children go home to eat. All five schools had insufficient desks and school supplies needed for learning and lack a library and computer lab, which can help students go farther with their level of education.

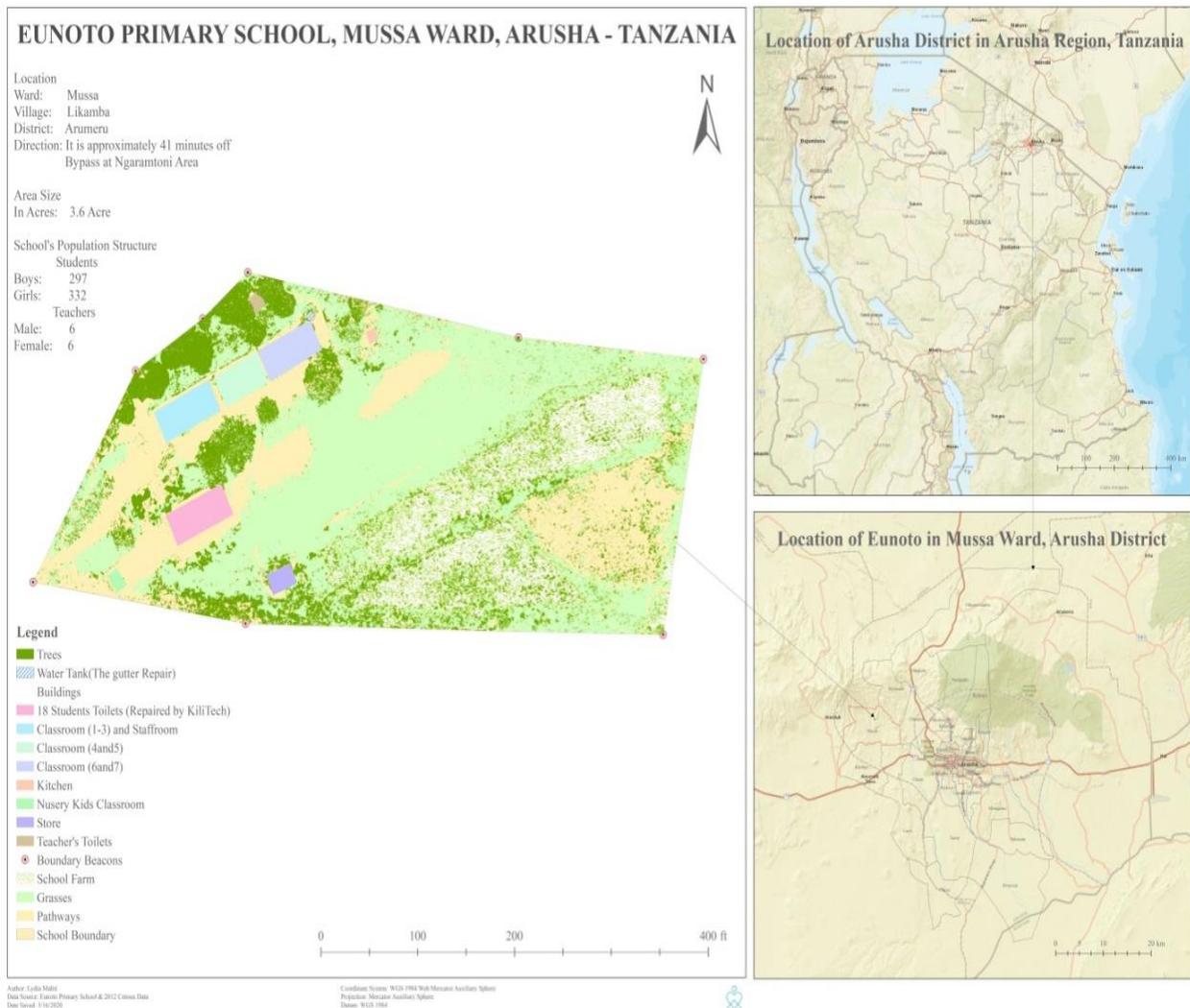
We believe that education is the key to ending poverty and it is our goal to provide opportunity for every child in Tanzania. Our priority is to assist children in government schools because these schools seem to need the most help. We seek to decrease risk and disease and improve learning environments. We accomplish this by meeting with head teachers to identify their biggest challenges. At all five schools where we worked in 2019, the number one request is to improve sanitation. We strive to build new toilet houses when possible, and we improve existing toilets. Sanitation is always the number one request because sanitation reduces the spread of illness and diseases and directly benefits children, schools, families, and communities. The second request is to improve classrooms so that students can learn in a safer and more motivating environment. We hire local fundi to construct and deliver school desks for classrooms, thus creating jobs for the communities. Working directly with the DEO and DEO Engineer, we are committed to ensuring construction meets government standards. We further add value to our projects by providing mapping and land use data to local government using geographic information technology (GIS), which assists the district in record keeping and community planning.

Project Areas:

1. Eunoto Primary School

The target school is situated at Likamba village, Mussa ward at Arumeru District in Arusha Region, Tanzania. It is approximately 41 minutes off Bypass at Ngaramtoni Area. It was built by the government in the year 2008. In 2019 it had more than 629 students with 12 teachers including the head teacher Mr. Mohammed Ippini.

Figure 1 Map of Eunoto primary school, Arusha

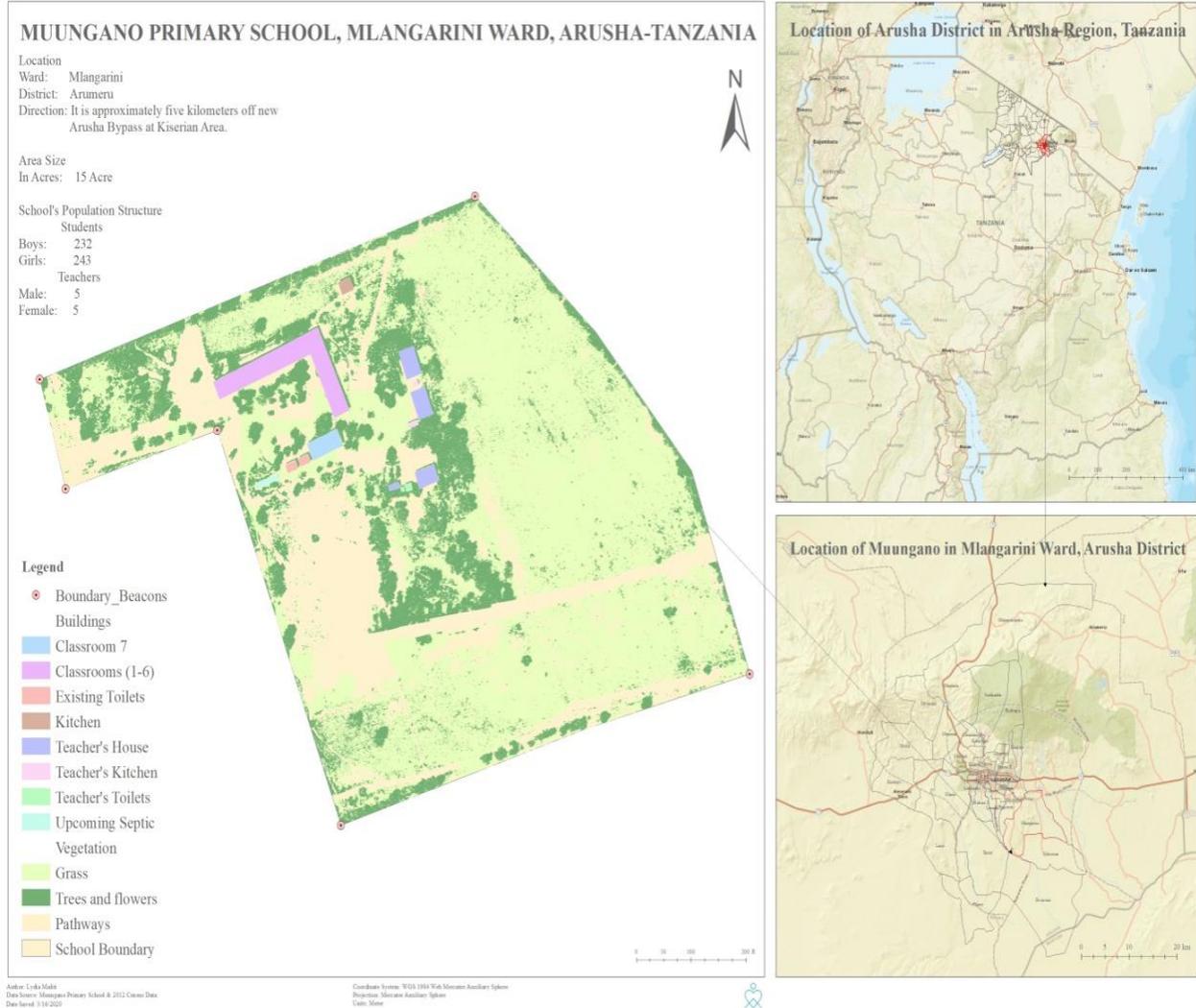


2. Muungano Primary School Project

The target school is located at Mlangarini Ward in Kiserian Village, Arusha Region -Tanzania. It is approximately five kilometers off new Arusha Bypass at Kiserian Area. The School was built

by the government in year 1992 and registered on 15th February 1992 to serve the children of the surrounding impoverished communities. In 2019, the school enrolled 473 students trained by 9 teachers under supervision of Head teacher Mr. Pendaeli Samuel.

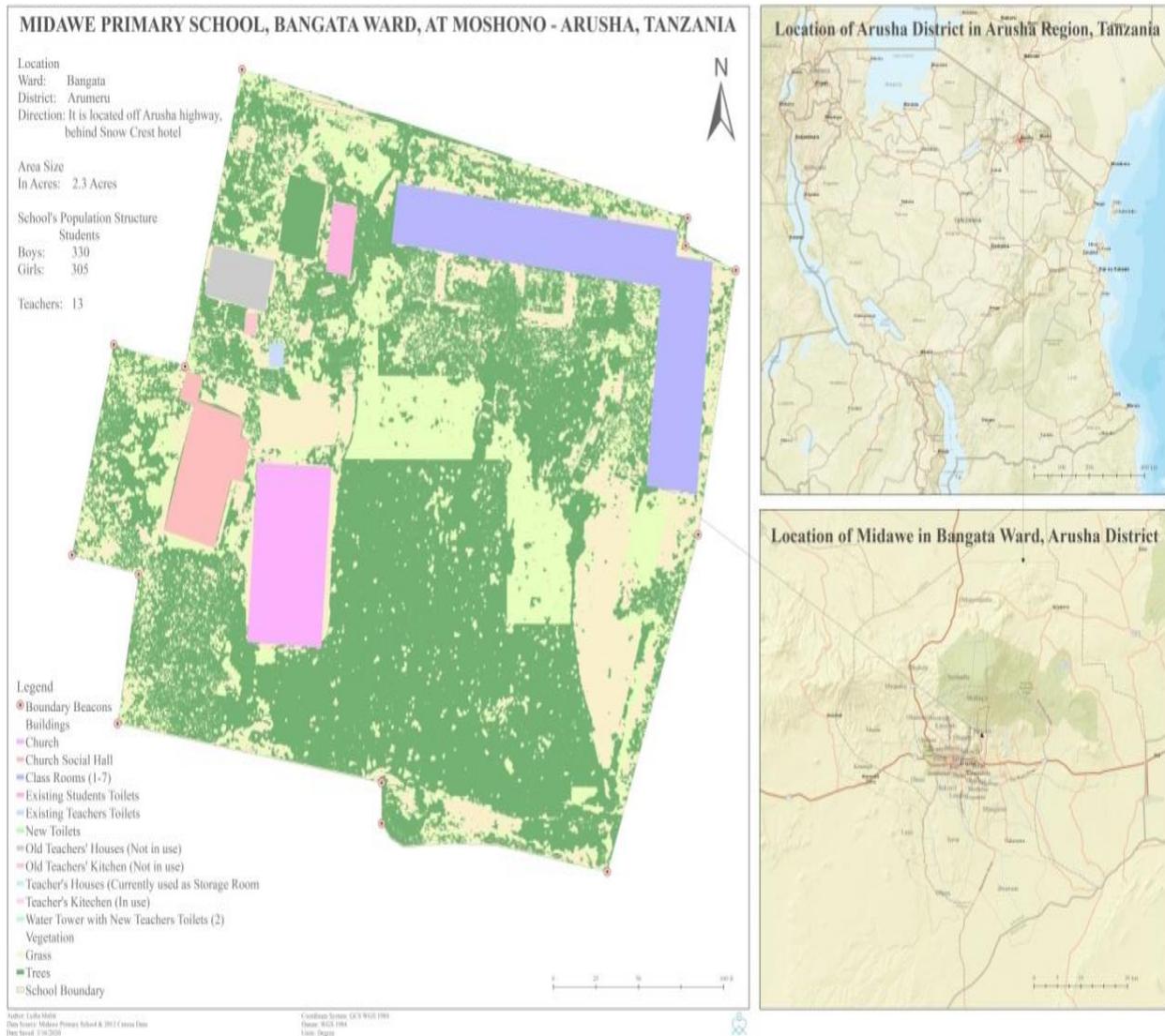
Figure 2 Map of Muungano primary school location, Arusha



3. Midawe Primary School Project

The school is located at Bangata Ward in Moshono, Arusha Region -Tanzania. The school is among four primary schools established by government in 1975 in Bangata ward with Registration number EM. 45842. It is located off Arusha highway, behind Snow Crest hotel. Currently, it is blessed with 635 students and 13 teachers including the Head Teacher, Mr. Dawson Kanuya.

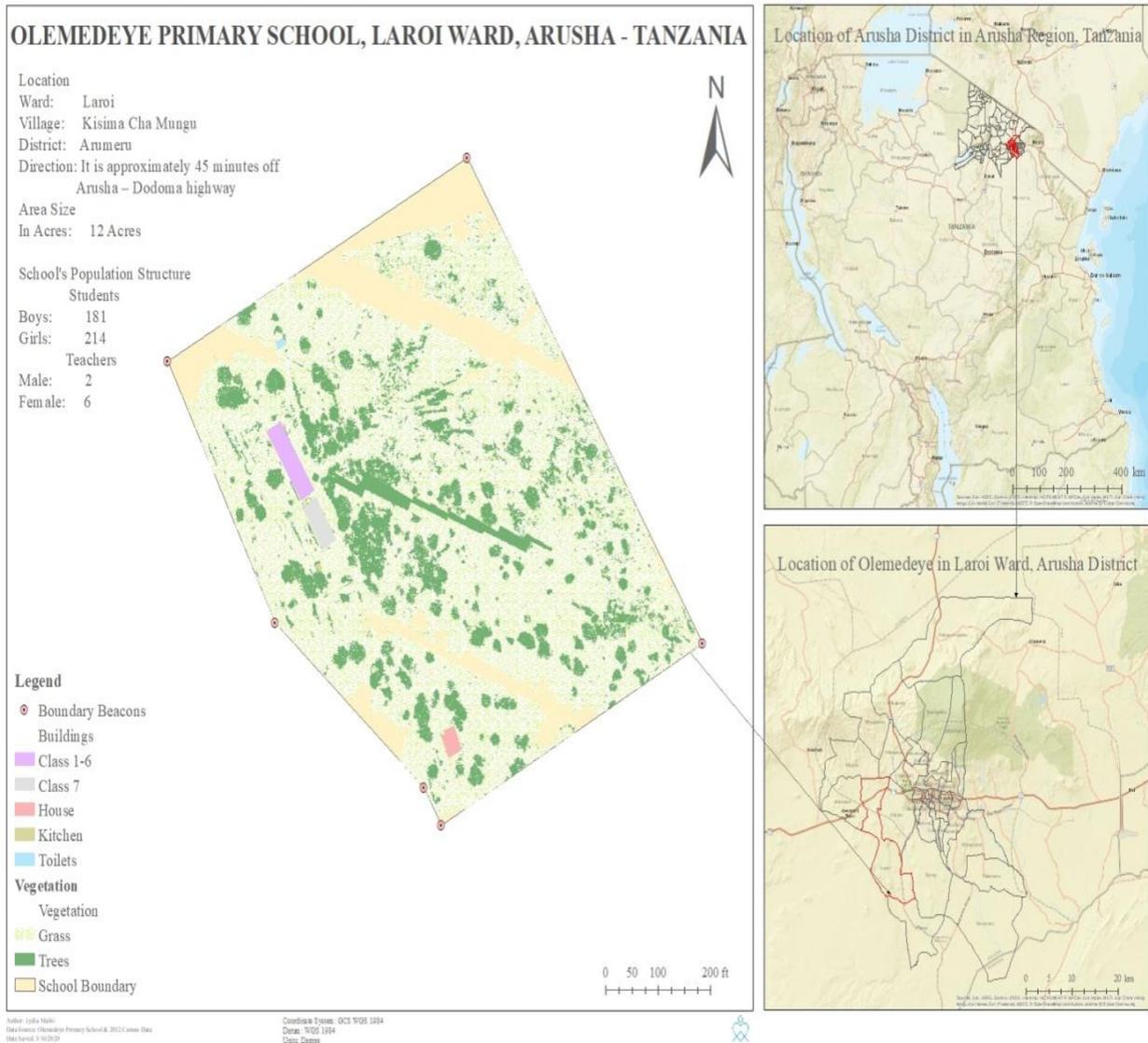
Figure 3 Map of Midawe primary school location, Arusha



4. Olemedeye Primary School Project

Olemedeye Primary School is located at Kisima Cha Mungu Village, Laroi Ward in Arusha Region in Northern Tanzania. It is approximately 45 minutes off Arusha – Dodoma highway. It was built by government in year 2012 and is currently having 412 under supervision of 12 teachers including the head teacher Mr. Reginald Levi.

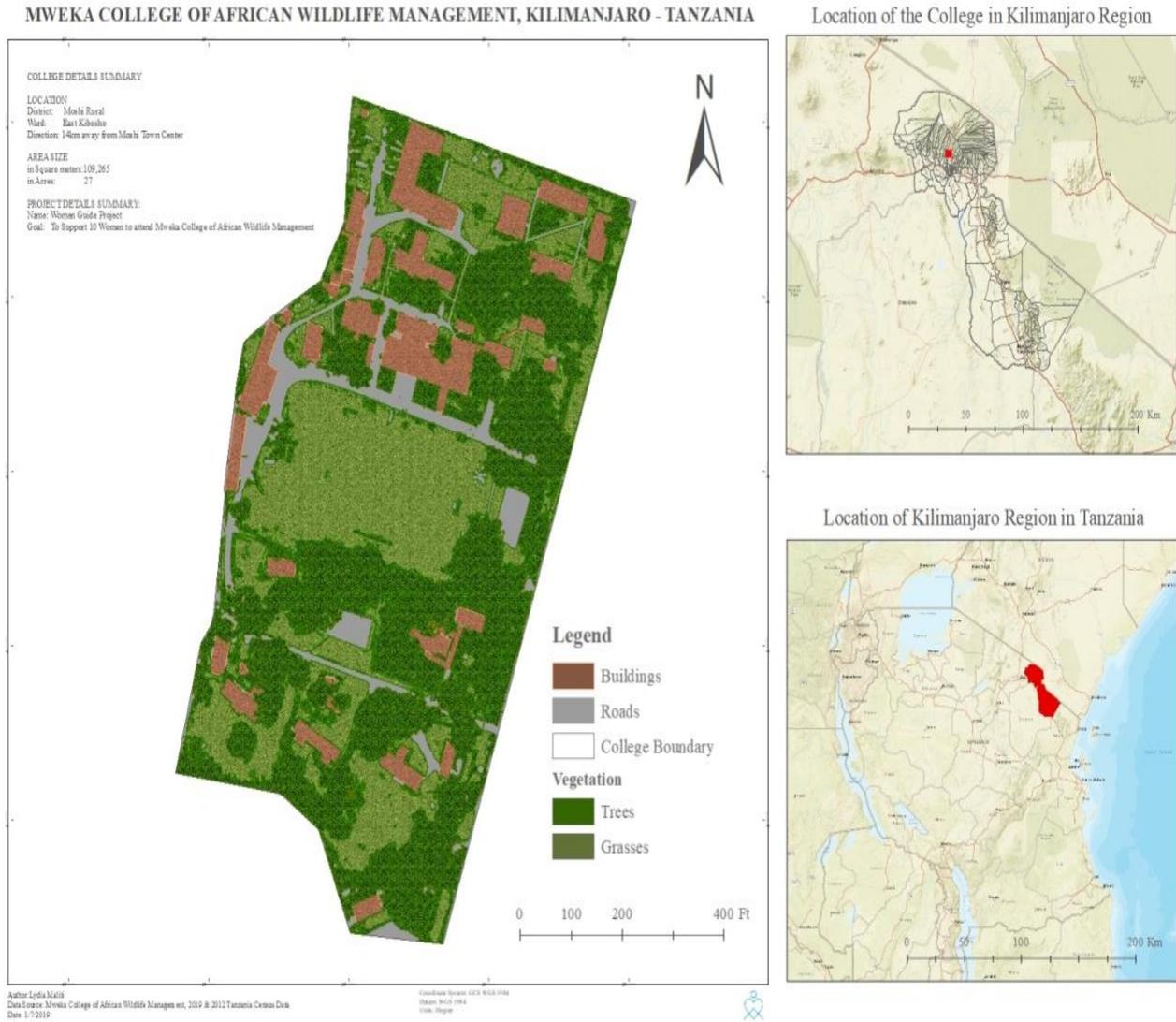
Figure 4 Location of Olemedeye primary school, Arusha



5. Tanzania Women Guide Training Project:

This was our second year and we funded the training of six (6) more women at Mweka College of African Wildlife Management at East Kibosho ward, Moshi Rural District in Kilimanjaro Region, Tanzania. It is 14km away from Moshi Town Area. As part of the project, a map was prepared showing current college layout. The map also shows location of the college in Kilimanjaro.

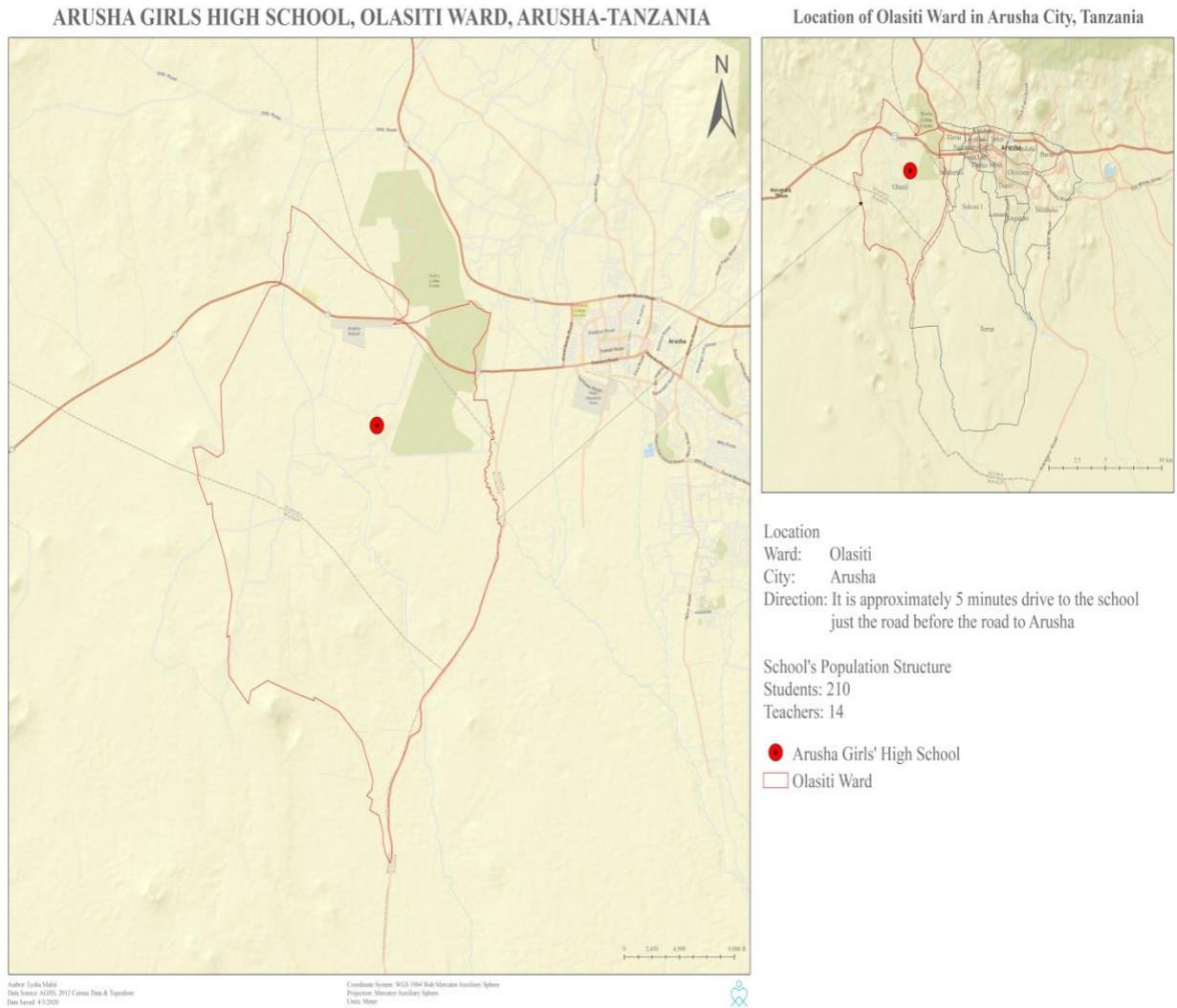
Figure 5 Location of Mweka college, Moshi



6. Arusha Girls' High School Project

Our sixth project was at Arusha Girls' High School. The school is located at Olasiti Ward, Magereza-Cairo Area in Arusha Region, Tanzania. It was built by the government in 2014 and up to 2019 the school had 210 students with 14 teachers Mrs. Kinyau being the head teacher.

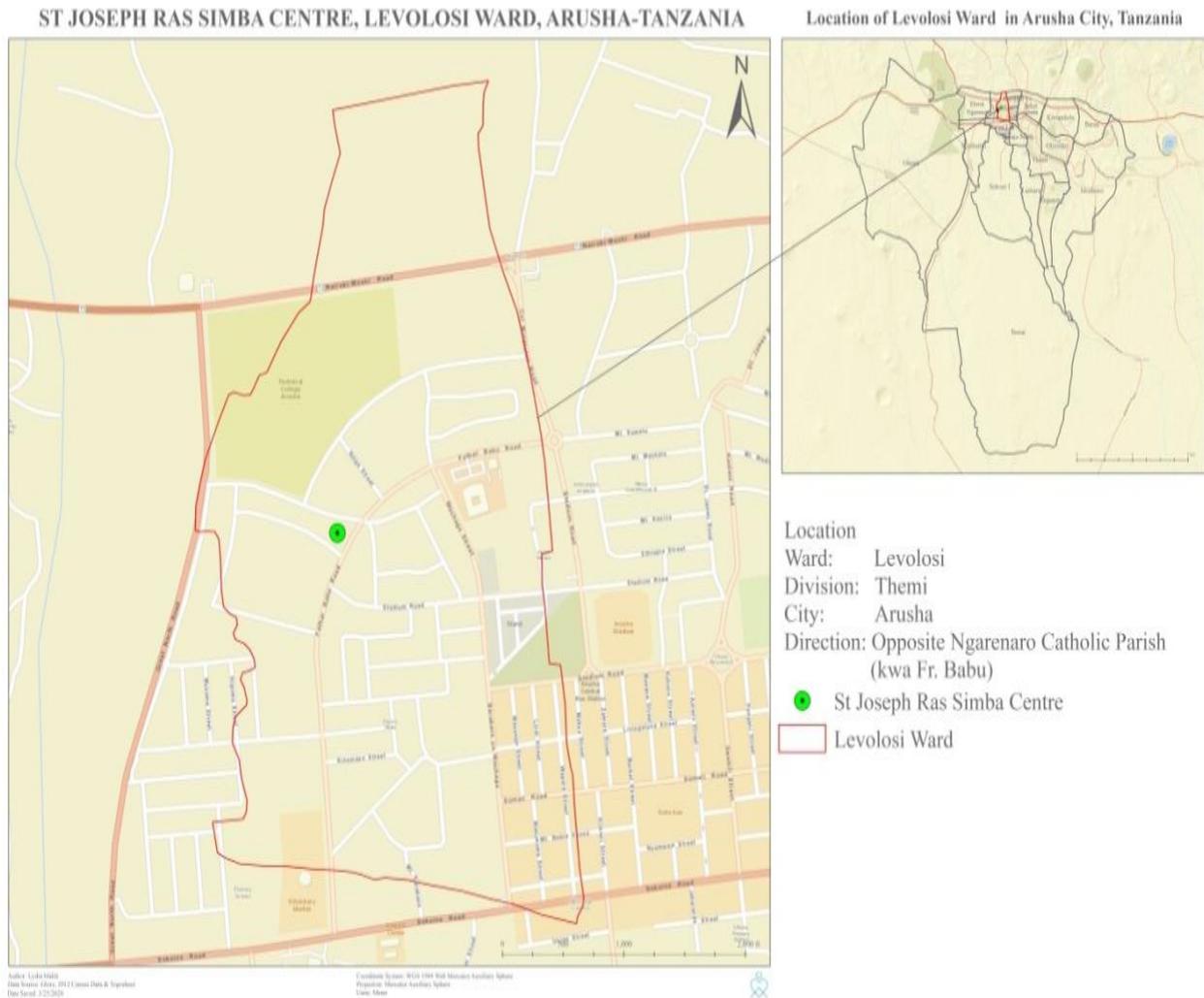
Figure 6 Location of Arusha girls high school, Arusha



7. English Courses for Tanzania Women Mountain Guide Training Project:

The training of Twelve (12) women took place at Mweka College of African Wildlife Management at East Kibosho ward, Moshi Rural District in Kilimanjaro Region, Tanzania. It is 14km away from Moshi Town Area and the course took place at St Joseph Ras Simba Centre at Levulosi ward at Arusha City. It is located opposite Ngarenaro Catholic Parish (Kwa Fr. Babu). As part of the project, a map of Mweka College was created from previous project and a map showing location of the centre in Arusha.

Figure 7 Location of English classes taught to Tanzania Women Guide Students



Achievements

The following are the achievements in 2019 of Kilimanjaro Technology foundation on the targeted projects primarily in the Arumeru district.

Achievement #1: Eunoto Primary School

On October 14, 2019, KiliTech, along with Arusha District education officials, visited Eunoto Primary School. Challenges identified include dilapidated existing toilets, inadequate number of toilets, high level of school dropout in standards six and seven, absence of learning tools, lack of school kitchen, lack of teachers housing. There was no visible access to tapped clean and safe water. What we saw was reliance on a rain harvest gutter system that was broken. After

discussion with The District education officer, Mr. Hussein, and District Engineer, Mr. Sokoine, KiliTech identified priority areas which needed immediate attention that we were capable of addressing.

To help ensure the students at Eunoto Primary School are able to engage with teachers in absence of distraction born out of discomfort, KiliTech donated 50 student desks (each desk seating three students). Below are images showing work as it was in progress, the completed desks, and the task of delivery being carried out.



Figure 8 New school desks constructed by KiliTech for Eunoto primary school, 2019



Figure 9 Construction of desks built by local fundi, Tarakwa, Ltd., and donated to Eunoto primary school located in Arumeru district, KiliTech, 2019



Figure 10 Transportation of desks by local fundi to Eunoto primary school, Arumeru district, KiliTech, 2019

The septic tank and toilets at Eunoto are very challenging needing immediate repair and a need for additional toilets. The conditions are so dire that KiliTech could not address most of their problems, but we did what we could to assist them. Eunoto has eighteen toilets 9 for girls and 9 for boys used by over six hundred students, approximately thirty-five students per toilet. None of the toilets had grill doors. After receiving the request from the head teacher and guidance from the DEO office, KiliTech hired local fundi from Arusha to fabricate and install eighteen (18) grill doors, paint them, and erect the doors on existing toilets walls.



Figure 11 Eunoto primary school toilets missing grill doors, photo taken by KiliTech, 2019



Figure 12 Grill doors for Eunoto primary school, KiliTech, 2019



Figure 13 Delivery of grill doors for toilets at Eunoto school, KiliTech, 2019

At Eunoto school they collect rain water for drinking, cooking, and hand washing. The water gutter was broken and the water tank was empty. KiliTech agreed to repair the rain gutter, which involved purchasing and installation of water gutter by local fundi. The gutter repair is approximately 10 meters long. The gutter is necessary to facilitate rain harvest and collection for

water demand and to prevent the decaying of school walls from rain water erosion coming off the roof. An increase in hygienic practices (with the now repaired water gutter) is reasonably expected to reduce the spread of illness and hopefully decrease the spread of disease.



Figure 14: Broken rain gutter, Eunoto School, KiliTech,2019



Figure 15 Repaired gutter, Eunoto School, KiliTech, 2019

Total cost of Euonoto primary school project: Tshs 11,124,791.57

Achievement #2: Muungano Primary School

Like Eunoto primary school, Muungano primary school is facing various and similar challenges associated mostly with number of students overwhelming available resources such as water, food and toilets. KiliTech initiated this project to eliminate desk shortage by committing to donating fifty (50) desks, each desk seating three (3) students. KiliTech believes with improved and friendly learning environment encouraging teachers and students, student attendance will increase and performance will improve for the 473 students and nine (9) teachers. It is our hope to return to Muungano primary school in 2020 and assist them with their sanitation and clean water issues.



Figure 16 School desks donated to Muungano primary school, KiliTech, 2019

Total cost of Muungano project: Tshs 6,077,745.26

Achievement #3: Midawe Primary School

The six hundred and thirty-five students and thirteen teachers at Midawe primary school face similar and identical challenges that we have seen in most public schools we have worked in, including inadequate and failing sanitary conditions and increased risk of disease, incomplete and deteriorating infrastructures negatively impacting the learning environment, the number of students exceed school capacity, inadequate housing for school workers which requires teachers

to travel long distances, the absence of a properly equipped school kitchen resulting in shortened school days so children can go home to eat, insufficient desks and supplies required for learning, and missing library and computer lab which help students go farther with their level of education.

On October 14, 2019, KiliTech was accompanied by the Arumeru education technical engineer, Mr. Sokoine and we visited several schools including Midawe primary school. After the school tour, we held deliberations with the Head Teacher, Mr. Dawson Kanuya and he identified four key areas needing immediate assistance, namely, completion of sixteen new toilets on existing foundation which was built with local labor and funds donated from surrounding communities; the repairing of one classroom which had ceiling collapse and water damage; the repair of existing toilets which had no doors; and contribution of fifty desks for shared classrooms (each desk seating three students).

KiliTech believes school performance increases correspondingly with improved learning conditions such as improved classrooms, sanitation and desks, and modern learning infrastructures.

Absence of desks, for example, impair the ability of students to engage properly with teachers. With additional desks donated more students will learn freely and comfortably and engage with teachers more positively.



Figure 17 School desks under construction for Midawe primary school, KiliTech, 2019



Figure 18 School desks under construction for Midawe primary school, KiliTech, 2019

Midawe school project, sixteen (16) toilets were then erected on a foundation initially built jointly by the surrounding communities. After receiving a report from the district engineer that the existing foundation and septic tank were adequately built to government standards, KiliTech agreed to complete the toilet project and build the sixteen new toilets, two sided for boys and girls, and we further equipped the toilet houses with modern water supply. They included seven toilets for girls, six for boys, a changing room for girls, urinal area for the boys and a hand washing trough on each side with three taps.



Figure 19 Original toilet foundations, Midawe primary school, KiliTech 2019



Figure 20 One of sixteen new toilets built by KiliTech at Midawe primary school, 2019



Figure 21: Young students at Midawe Primary School using new handwashing station built by KiliTech, 2019



Figure 22 New toilet house built by KiliTech, Midawe Primary School, 2019



Figure 23 New toilet house built by KiliTech, Midawe Primary School, 2019



Figure 24 New teachers' toilets built by KiliTech, Midawe Primary School, 2019

In addition to completing the sixteen new toilets, sixteen grill doors were installed in existing toilets to add security and safety. The existing toilets were also fitted with plastic Asian urinal fittings provided by the district office making the toilets more sanitary.



Figure 25 Installing new wall and grill doors, Midawe primary school, KiliTech, 2019

The schoolboard also asked KiliTech to repair one of the classrooms. In repairing an existing classroom, ageing ceiling board was repaired and replaced, walls were repainted and broken windows replaced.



Figure 26 Original Classroom at Midawe primary school, KiliTech, 2019



Figure 27 Repaired classroom at Midawe primary school, KiliTech, 2019

Total cost of Midawe primary school project: Tshs 38,018,357.89

Achievement #4: Olemedeye Primary School

With the goal of reaching even more students in need, KiliTech visited Olemedeye Primary school on October 15, 2019 accompanied by Mr. Sokoine, the Arumeru Education Technical Engineer. After orientation and visiting the school, some of the challenges identified included insufficient number of toilets with shortage of 20 toilets taking into account the total number of the students, water supply challenge caused by absence of taped water and water storage tank, and fewer desks.

KiliTech believes that improving learning environments has direct correlation with learning abilities and student performance. KiliTech committed to donating 50 desks to the school which amounted to Tshs 8,777,740.53 total for the construction work, delivery and taxes as required. This project is expected to greatly benefit students with donated desks; more students will learn freely and comfortably and engage with teachers more positively. KiliTech plans to continue to assist Olemedeye in 2020 assisting them with their sanitation and water challenges so that the students and teachers are provided a better opportunity for education.

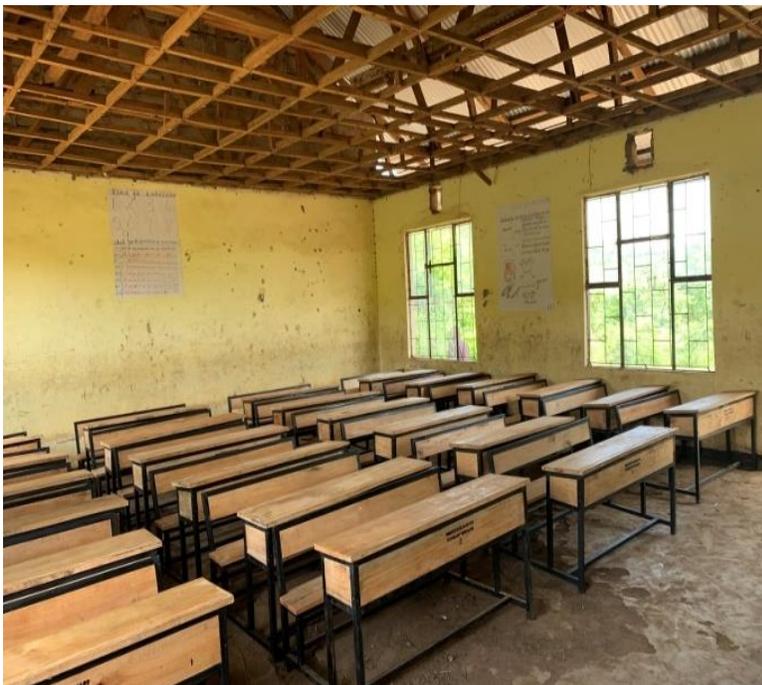


Figure 28 School desks donated to Olemedeye primary school, KiliTech, 2019

Total cost Olemedeye primary school project: TSh 8,777,740.53

Achievement #5: Tanzania Women Guide Foundation

This was our second year of KiliTech sponsoring women from Tanzania Women Guide Foundation, NGO. The mountain guide training project aims at supporting women through certified guide training. This year, guide training was held from September 2nd through October 28th 2019 at Mweka Wildlife College in Moshi, Tanzania. The training offered two months of learning and skills building through field practices. It had instructors from the college providing general knowledge of tourism, mountain ecology, biological resources identification and interpretation of mountain physical resources skills, tour guiding skills and techniques, first aid, emergency care and wilderness rescue techniques. A donation amount of \$6,000 USD was made for the project to sponsor 6 women for the certification. The donation was to cover all necessary items for facilitation of the training such as tuition fee, accommodation while training, meals, transportation, and school supplies, and required gear.

Alicia P Sanka is one of the trainees who now works as a porter with **Big Expedition and African Walking**. **Asifiwe E Makere** is born and raised in foot of Kilimanjaro. She currently works with **Intrepid Tours** as a porter. **Farida Musa** lives in Moshi. She is now walking with **Glady's Adventure** as a porter and she has a license as a Guide. She used to work as sales women, selling utensils walking up to 10km a day. **Jacqueline N Mollel** is born and raised in Arusha but now lives in Machame village. She is a single mother to a beautiful baby girl. She used to work as a tailor but she is now a porter and so she can support her family. She works with **Ahsante Tours** as a porter and hopefully they will upgrade her to a guide. **Devotha Y Temu** is a rugby leader and referee. Glory met her as they hiked. She immediately got interested to be a guide. Glory then asked her friends to train her. She now has a license to work with **Ian Taylor trekking** as a guide. **Clentina Ernest** is a mother fort two. She now works as a porter at **Meru Women Group** operating in Mt Meru.

The project continues to be beneficial and gives the women greater opportunity in advancing their career as mountain guides. Now that they have guide training and certification their salaries will increase by at least 20% (Tanzania Women Guide Foundation 2018).



Figure 29 Women graduate students from Mweka College sponsored by KiliTech, 2019

Total cost for Tanzania Women Guide Project: Tshs 13,699,975

Achievement #6: Arusha Girls High School

Arusha Girls' High School is among the fairly equipped schools in Arusha City, nevertheless, it is not immune to common problems facing majority of public schools. After visitation and orientation, KiliTech received request for dining benches and tables, among other requests. This project was culmination of that request which ended up in delivery of 40 tables and 80 benches for the school dining at the total budget Tshs 19,726,805.26.

This project focused on donation of 40 tables and 80 benches to facilitate accommodation of 210 students during dining. Prior to completion of this project, students were being served while standing. Now more than 210 students will be able to enjoy their meal when seated. Indirect beneficiaries of the project will include participants of annual teachers training workshops, participants in national examinations and parents during parents visit.



Figure 30 Forty dining tables donated to Arusha Girls High School, KiliTech, 2019



Figure 31 Eighty benches donated to Arusha Girls High School, KiliTech 2019

Arusha Girls High School Total Project Cost: TSh 19,726,805

Achievement #7: Tanzania Women Guide Foundation

Phase III Tanzania Women Guide Foundation. Providing English courses aims at solving the challenge of English language facing women guides. KiliTech sponsored (10 women) in 2018 and six women in 2019. The 10 women from 2018 struggled to communicate with guests and the 2 trainees did not get a chance to attend phase II Mountain Guide training project which took place in September 2019 also sponsored by KiliTech. A total donation of \$4,750 was made for the project to sponsor a total of twelve (12) trainees for the English classes. The donation was to cover all necessary items for facilitation of the training such as tuition fee, accommodation while training, meals, transportation, and schools supplies, and required gear. The project has been beneficial and has given the trainees a great opportunity in advanced career as mountain guides and to improve communication with guests.



Figure 33: Tanzania women guides studying English classes sponsored by KiliTech, 2019

Total project cost Tanzania Women Guide Foundation English Courses: TSh 10,925,046

Challenges

Nothing is without challenge and during the course of 2019, KiliTech has faced some challenges in the implementation of its activities. These challenges include the following:

- Access to schools is long and difficult due to poor access and road infrastructure proving difficult especially when delivering building materials and donated desks to school compounds.
- Government Taxes, especially VAT on labor charges, decreases the portion which would otherwise be directed to other projects at schools and additional repairs and facilities.
- Writing proper contracts and MOUs detailing roles, accountability, funds distribution, and stakeholder responsibilities, is costly, time consuming, and difficult to manage jointly between the USA and Tanzania. Contracts must increasingly contain tax liability responsibilities and language. KiliTech also has responsibility for contractor management and ensuring they have proper registration, VAT, OSHA, and other documentation and not all documentation is made the same.
- Hiring accountants, auditors, and advocates necessary to comply with requirements and overcome challenges is time consuming and expensive which delays projects and reduces available funding for projects.

Lessons Learned

In the process of addressing the above challenges in the past year there are several lessons we have learned as an organization:

- With increased controls and improved processes, we have better record keeping, project efficiencies, and people are held accountable and therefore less likely to cheat and more likely to co-operate. We do our projects in phases and we only move forward to the next phase when proper receipts, inspections, and documentations are satisfied.
- Complying with TRA and government requirements has improved our confidence and strength as an NGO. KiliTech did make great strides in 2019 to streamline operational procedures and communications.
- Working with local government officials helps us with our success.
- Professional staff including accountants, auditors, and advocates has reduced risk and improved efficiencies.

- KiliTech has learned to take the time to analyze tax and government implications and requirements and write such assessments into contracts and share the burden with contractors, the government. KiliTech cannot nor should we pay for all the taxes on a charitable project as these defeats the purpose of charity work. The tax burden must be shared by the stakeholders and contractors who benefit.

Future Plans

In 2020, we will continue toward our goal of reaching twenty-thousand students by the end of the year 2020. We have benefitted over 10,000 children to date. We hope that through continued relationship building with district commissioners, improving internal processes and procedures, and delivering improved contracts, we can deliver projects faster. Having government support is paramount to our success. We strive to be open and transparent with our projects and appreciate our stakeholders working with us from beginning to the end goal. We look forward to a great 2020.

