Vi Agroforestry

EMITI NIBWO BULORA PROJECT

Annual report

Year 2019/2020

Submitted by: Vi Agroforestry Tanzania

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*Photo credited to Clement **Mtui, March 2020.***

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Summary

Table 1 Project Overview

Project overview	
Reporting period	May 2019 – April 2020
Geographical areas	Northwest of Tanzania **(See Annex 1 -Map)**
Technical specifications in use	1. Woodlot (3mx3m and 4mx4m) 2. Dispersed Inter-planting (5mx10m) 3. Fruit Orchard (8mx8m and 9mx9m) 4. Boundary Planting (3mx3m)

Table 2: Project Results

Project indicators	**Historical (2010 – 2019)**	**Added/ Issued this period (2019/ 2020)**	**Total**
No. smallholder households with PES agreements	813	151	964
No. community groups with PES agreements (where applicable)	26	3	29
Approximate number of households (or individuals) in these community groups	15,203	1,502	16,705
Area under management (ha) where PES agreements are in place	417ha and 110,761m	123ha and 33,263m	540ha and 144,024m
Total PES payments made to participants (USD)	278,404	50,516	328,920
Total sum held in trust for future PES payments (USD)	85,725.7	77,309	163,035
Allocation to Plan Vivo buffer (tCO_2)	15,626	4,562	20,188
Saleable emissions reductions achieved (tCO_2)	62,372	18,381	80,753
Unsold Stock at time of Submission (PVC)			
Total Unsold Stock (PVC)	5,387	18,381	23,768
Plan Vivo Certificates (PVCs) issued to date			**62,372**
Plan Vivo Certificates requested for issuance			**18,381**
Plan Vivo Certificates available for future issuance (REDD only)			**-**
Total PVCs issued (including this report)			**80,753**

Part A Project updates

A1 Key events

This is the tenth report from Emiti Nibwo Bulora. The project started pilot activities in 2008 and this report describes the implemented project activities from the period dating May 2019 to April 2020.

The project area has experienced good weather that promoted the growth of crops and trees for farmers who were involved with better tree management practices like weeding, pruning, thinning, and putting fire breaks. The Corona pandemic was firstly reported in Tanzania mid-March 2020. The government banned all gatherings, but other economic activities took place with precautions and by following certain rules and guidelines. Based on this, farmers have been able to keep on well with their farming activities, including tree farms management.

The main activities that took place during this reporting period were:

- Recruiting and contracting farmers,
- Mentorship to the new partner organisation (Smart Farmers and Transformation -SFT)
- Monitoring ongoing participants and payment to farmers.

Recruiting and contracting participants: The last and final recruitment of participants to Emiti Nibwo Bulora was concluded on 30th June 2019. A total of 154 new farmer agreements was signed (151 individual farmers and three community groups). Based on technical specifications the farmers can be divided in the following way:

Table 3 New farmers technical specification:

Technical Specification	Number of farmers:
Woodlot	88
Dispersed inter-planting	12
Boundary planting	74

Please note: Some farmers have more than one Technical Specification that is why the total number of participants is more than 154.

The total numbers of trees planted by these farmers are 135, 982, which covers 123ha and 33,263m. Up to maturity, these trees are expected to sequester 18,381 tCO2.

Mentorship to Smart farmers and Transformation (SFT): Smart Farmers and Transformation is the farmer-based organization that was identified to take over some of Vi Agroforestry field related activities in Emiti Nibwo Bulora.SFT has received various capacity building services from Vi Agroforestry since 2006 and is one of Vi Agroforestry's formally contracted partner organisations since October 2019. As of today, many of SFT members participate in the Emiti Nibwo Bulora and are therefore familiar with the carbon offset project. Important to note is that SFT will only take over some parts of the implementation work, see annex 2 Division of activities between Vi

Agroforestry and SFT for more information Ahead of hand-over of project related activities to SFT, the organisations have also gone through a special mentorship programme on financial systems and organisational management. The mentorship program was coordinated by MAVUNO, one of Vi Agroforestry partners and took place from June to December 2019. SFT now has a well-established constitution, an appropriate financial policy with subsequent regulations and are in the process of developing a long-term strategic plan. SFT has submitted its project proposal to Vi Agroforestry for the 2020 – 2022 implementation period. Apart from managing and coordinating ENB project, SFT will also run a project known as economic empowerment for smallholder farmers through sustainable agriculture and agroforestry (under ALIVE program). The formal handover process is expected to take place during the third quarter of 2020 (if the corona situation allows). For more information on the time plan for the hand-over process, see Annex 3 - Hand-over deliverables and timeframe.

The reason behind the hand-over is In line with Human Rights Based Approach and promotion of local ownership of development initiatives, hence Vi Agroforestry has a strategy to hand over the implementation of all projects to local member-based farmer organizations. With SFT on board, as a new Vi Agroforestry partner, Vi Agroforestry shall continue to build their capacity through mentoring and organizational development interventions. This will ensure a strong local farmers' organization that can support ENB farmers long after the withdrawal of Vi Agroforestry support. The Plan ENB project will be merged with and part of current ALIVE program with all accompanying benefits, like continuous trainings and awareness building in agroforestry & SALM, business development, HRBA and gender awareness etc. Vi Agroforestry's work is guided by its global strategy 2017-2021 and is operationalized through the regional program Agroforestry for Livelihood Empowerment (ALIVE). SFT, as a farmer organization, will be able to structure themselves to reach all PV farmers with necessary CB and training in agroforestry, Sustainable Agriculture Land Management (SALM) etc. which is not possible with Vi Agroforestry's current two PV staff.

Monitoring and Payments: In October 2019 three payments to qualified farmer was done. The payment was the 1st instalment to participants registered 2019, 2nd instalment to participants registered 2018 and third instalment to participants registered 2015/ 2016. For detailed payment information, see part G – Payment for Ecosystem Services.

A2 Successes and challenges

Successes

As mentioned above, Vi Agroforestry has continued to mentor the local farmer-based organisation -Smart Farmers and Transformation (SFT) during the year. The purpose of having this organization onboard is to enhance the sustainability of the project and ensure long-lasting implementation of Plan Vivo related work. This will also fulfil Vi Agroforestry's ambition of working with local partners in implementing projects and programmes. Through SFT, participants, especially those recruited from 2015 to 2019, will be able to get extended training and facilitation on for example agroforestry, sustainable land management, business development, gender awareness and value addition to agroforestry products.

During the year, farmers in the project have started successful businesses. One example comes from the members from Juhudi group (piloting group) who started a banana enterprise. The group started this after receiving facilitation and training on income generating activities. They established banana farms using Sustainable Agriculture Land

Management (SALM) practices and with a focus of having food to their families and surplus for sale. From May 2019 to February 2020, they sold 576 banana bunches and earned TZS 5,760,000. This helped them cater for domestic needs like paying school fees for their children, paying electricity bills, paying casual labour, and buying household consumables.

Another example on a successful enterprise is from Suleiman Swamadu, a participant who established a pineapple farm. From this enterprise, he earns more than 6 million Tanzania shillings. For more information about this case, see **annex 4 – Case Story Pineapple Enterprise.**

The project has also been successful in creating well-functioning and well-established Village Saving and Loan Association (VSLA). One example that can be mentioned is the thirty members from KUTANI group who have run their VSLA since 2014. Up to January 2020 they had a capital of TZS 57,000,000 (24,545.1 US dollar)[1]. Their average collection is TZS 9,500,000 (4,090.84 US dollar)[1] per year. They normally pay out in January and retain some amount as a group capital (for the following year). The KUTANI group share is sold at TZS 2,000 (0,86 US dollar)[1] and every member buys not less than 5 shares per month. When they paid out in January 2020, on average each member got TZS 397,000 (170.9 US dollar)[1]. The group has used the revenue from the VSLA, to start the Agro Vet Shop, a shop started January 2020 where they sell agriculture and livestock inputs which is a good business wing for the group sustainability and ensuring agro-input supply to the farmers.

The participants who registered between 2015 to 2019 (373 participants) are growing seasonal crops on their farms, as this is the best practice of tree farm management (weeding). Together they have harvested about 1300 bags of maize and 500 bags of beans, this has led to increased household food security.

[1] Exchange rate 21st of January 2021.

Picture 1: William Innocent's Plan Vivo farm with cassava (annual crop), photo taken by Grace Eustace, Feb 2020.

The payments that were given to the qualified participants during this reporting period added to household income. Apart from being used for farm management (for example to pay casual labours for weeding), the money was also used to cater for other domestic needs like school fees, community development (for example construction of village offices) and groceries.

Since the start of the project a total of 619,848 trees have been planted by the 993 participants. These trees are well managed and sequester CO2. By doing so, the participants contribute to decrease mitigation and fight climate change. Farmers in the project are adapting to climate change by practicing climate change adaptation practices that support their farming activities. Examples on these practices are zero or minimum tillage, construction of soil and water conservation structures, manure application, residual management, and mulching. Worth mentioning is that these practises has been applied not only by farmers in the project but also by neighbours since they have seen the good effects. The project interventions supported the groups involved equally.

Challenges

The biggest challenge during this reporting period is the hand-over to SFT-farmers. During the hand-over, some gaps in the process has been identified. Examples of this is the participants recruited 2018 – 2019 are experiencing shortage of tree seedlings during planting season[2] and the participants recruited 2015 – 2019 haven't received enough extension services and support during their farm establishment stage. Now when these issues are identified, both issues are expected to be resolved when SFT takes over more of the implementation in July 2020 since there will a

[2] The participants have kept on collecting tree seedlings locally (mainly wildings) which were not enough to fulfil their targets and their survival rate is low.

closer collaboration with all the farmers.

As reported last year, participants recruited 2018 -2019 are still experiencing shortage of tree seedlings in planting season[2] as Vi Agroforestry no longer support them (Vi Agroforestry does not offer support directly to farmers). The participants have kept on collecting tree seedlings locally (mainly wildings) which were not enough to fulfil their targets and their survival is low. It is expected that this challenge will be resolved with SFT when it will be on board since July 2020.

A3 Project developments

The project has, during the reporting period, been conducted according to the project design document (PDD) and technical specifications of 2010.[3]

One focus during this year, as previously mentioned, has been mentoring Smart Farmers and Transformation, who will take over some implementation activities in Emiti Nibwo Bulora project. The organisation will take over field related activities from the third quarter 2020.

A4 Future Developments

About 620 participants registered from 2009 – 2011 are expected to graduate (complete their contract period) next reporting period.

Part B: Project activities

B1 Project activities generating Plan Vivo Certificates

Emiti Nibwo Bulora covers 540 hectares of Woodlot, Dispersed inter-planting and Fruit Orchard and 144,024 meters of Boundary Planting. This area is managed by 993 participants; where 964 are individual farmers and 29 are community groups. Land use activities implemented in this reporting period continued to be one of the four approved technical specifications; “Woodlot”, “Dispersed Inter-planting”, “Fruit Orchard” and “Boundary Planting”. All participants managed their plots under these technical specifications.

Table 4: Project activity summary

Name of technical specification	Area (Ha or m)	No smallholder households	No Community Groups
Woodlot	458 ha	663	29
Fruit Orchard	7 ha	11	0
Dispersed Inter-planting	75 ha	124	0
Boundary planting	144,024 m	309	0
Total	**540 ha and 144,024 meters**	**1,107**	**29**

[3] New PDDs and TS are being updated/approved.

Note: *The number of households is greater than the actual, because some participants have more than one technical specification*.

B2 Project activities in addition to those generating Plan Vivo Certificates

Apart from tree planting under the specified technical specifications, the project participants practice Sustainable Agriculture Land Management (SALM). Examples of practices are: zero or minimum tillage, construction of soil and water conservation structures, manure application, residual management, and mulching. These practices are done in Plan Vivo project plots as well as in their banana and coffee farms when have trees under DI system.

The participants have managed their farms in the best way possible. Participants in their second and third year, using the woodlot system, have grown seasonal crops (including beans, Irish potatoes, maize, cassava and yams) together with their trees. The agroforestry trees play an important role on the farms since they, among other things, improve soil fertility, stabilize the soil, prevent runoff with better water management and cleaner groundwater. They also minimize the need for synthetic fertilizers and herbicides and improve the wildlife and pollinator habitat. Since most woodlots are established on degraded and abandoned land, these practices have enabled farmers to utilize the land better and realise that SALM supports and increases land productivity.

Part C: Plan Vivo Certificate issuance submission

179 smallholder farmers were recruited this reporting period, resulting in an issuance request as detailed by table below.

Technical specification	No. of Farmers	Hectares	Meters	Net carbon benefit (t CO2)	Other Ecosystem services
Woodlot	92	113.96758	0	15,958	Biomass, Biodiversity, Pollinators
Boundary Planting	74	0	33263	1,864	Wind Break, Fooder, Firewood, Ornament
Dispersed Interplanting	13	9.08442	0	559	Soil erosion Control and Shading
Fruit Orchard	0	0	0	-	
TOTAL	**179**	**123.052**	**33263**	**18,381**	

Part D: Sales of Plan Vivo Certificates

D1: Sales of Plan Vivo Certificates

The total number of credits issued by the project since 2009 is 80,753tCO_2. Currently, the total sold stock is 56,985 tCO_2. There is 23,768 tCO_2 unsold stock. During the reporting period, Emiti Nibwo Bulora sold 0 certificates in this

reporting period.[4] The historical sales are shown in annex 5 – Historic Sales.

Part E: Monitoring results

E1: Ecosystem services monitoring

The project was designed first and foremost to enhance carbon sequestration. Other ecosystem services designed directly and indirectly included biodiversity and water conservation. The establishment and management of agroforestry plots have enhanced greenhouse gas mitigation, soil- and vegetation renewal and species diversity. All the above-mentioned ecosystem services have been monitored based on the four technical specifications (Woodlot, Fruit Orchards, Dispersed Interplanting and Boundary Planting).

According to the analysis of monitored data collected in March – April 2019, 167 participants out of 219 reached their target. 52 participants did not reach their target of planting the whole area mainly due to lack of tree seedlings (25 participants), trees dying due to too much water (15 participants) and not weeding their farms (12 participants). These participants were asked to replant, construct trenches to drain water from the farm and to plant seasonal crops to motivate them to increased weeding. In general, all participants who did not reach their target were encouraged to find the right tree seedlings to plant while waiting for tree seeds/seedling support from SFT.

This year's monitoring was going on as group leaders were collecting data (counting trees from participants belonging to year 2 and 3). As usual, Vi Agroforestry staff do internal verification of the data before analysing them. Monitoring result for this year (2020) will be reported in next year's report. Detailed monitoring results (for data collected March – April 2019) can be found in annex **6 – Monitoring Result.**

Apart from monitoring the quality determination, Vi Agroforestry also monitor species diversity. Up to this reporting period, 619,848 agroforestry trees have been planted. 84% of these trees are indigenous to this area. These trees are ***Maesopsis Eminii***, ***Markhamia Lutea***, ***Persea Americana*** and ***Ficus Natalensis***. The rest are naturalized species like ***Cederrela Odorata***, ***Grevillea Robusta***, ***Toona***, ***Acrocarpus Fraxinifolius*** and ***Melia Azedarach***. These trees cover 540 ha and 144,024 meters. The trees are already providing carbon sequestration and storage, nutrient cycling, soil erosion control, food, biomass, and recreational ecosystem services.

Table 5: Carbon Benefits and other ecosystem services

Technical specification	No. of Farmers	Hectares and meters	Net carbon benefit (t CO_2)	Other Ecosystem services
Woodlot	692	458 ha	64,023	Biomass, biodiversity, pollinators
Fruit Orchard	11	7 ha	112	Pollinators, food

[4] Since no additional sales were made during this period there is no table of sales.

Dispersed Interplanting	124	75 ha	4,570	Soil erosion control and shade
Boundary planting	309	144,024 m	8,054	Windbreak, fodder, firewood, ornamental
Totals	**1,136**	**540 ha and 144 024 m**	**76,759**	

Note: The number of participants is greater than the actual, because some participants have more than one technical specification.

E2: Maintaining commitments.

Vi Agroforestry supports participants to maintain their commitments through various interventions depending on which year they joined the project. For full list on how many participants belonging to each recruitment year, please see table 6.

The main concern for Vi Agroforestry is to maintain the participants' commitment and facilitate them on proper tree farm management to attain the right tree survival and growth rate. For example, to maintain commitment with participants in year one to year four, the farmers are encouraged to mix annual crops with young trees. This reduces the risk of tree mortality from competition with weeds, but also protect trees from bush fire.

To maintain commitment with participants in year five and onward, the participants are trained in tree management, for example thinning and pruning. Besides this, the participants are trained on how to clear their farms by removing weeds and making fire breaks along their farms, practices which assure long term tree survival and good growth.

Dealing with income-generating activities is one aspect of maintaining commitment, as participants can get income for domestic and other expenses instead of being prompted to cut trees for sale before maturity or to sale the tree farms.

Table 6: Participants based on what year to which they belong to

Registration year	No of participants	Year they belong
2010	21 (piloting)	11
2011	599	10
2015/2016	154	4
2018	65	3
2019	154	2
Total:	**993**	

As stipulated in the sales agreement Vi Agroforestry monitor for quality determination and provide the payment to qualified participants as required. ENB project is managing 993 participants with sale agreements. For the full list of

participants in the project please see Annex 7 - Participants list 2010-2020

E3: Socio-economic monitoring

In addition to climate change mitigation, the Emiti Nibwo Bulora. project was meant to rehabilitate degraded agricultural land of the participants, increase tree cover, and create climate change awareness. The project has significant additional benefits apart from sequestering carbon dioxide. The agroforestry systems applied under prescribed technical specifications increase incomes, provide increased access to fuel wood and building materials and reduce deforestation pressure on nearby forests. Other livelihood and income generating activities incorporated and adopted by participants into agroforestry includes bee keeping, poultry production and horticulture.

The Project Design Document envision a socio-economic impact assessment, starting with a baseline and repeated in every independent verification. The results of the assessments are defined by the social dimensions and key performance indicators. Furthermore, the project is expected to improve community well-being by improving degraded or abandoned land through rehabilitation and afforestation.

Since 2015 there is an increase of women participating in the project, currently 238 of the participants in the project are females. Since joining the project, the women have experienced a decrease in workload since they have access to on-farm firewood collection. The project socio-economic impacts have been accelerated through capacity building to participants on entrepreneurship skills, agroforestry enterprise selection (for example selling tree seedling, horticulture, planting short term trees for selling firewood and poles), business plans, value addition (sorting and grading), marketing and record-keeping.

Based on the socio-economic study carried out last year (for the full report – please see Annex 8 - Socioeconomic report), the farmers in the project have increased their tree cover (agroforestry trees) more than farmers who are not participating in the project. On average, participating farmers, have 443 trees compared to non-participating farmers who have 74 trees. Result from the study also shows that 64.21 % of the Emiti Nibwo Bulora farmers collect firewood from their farms[5], compared to 35,37% of non-project farmers. Furthermore, farmers participating in the project have additional income from the sale of carbon credits.

The study also shows that the Emiti Nibwo Bulora project has not affected food production since most trees were planted on non-agriculture field (most woodlots were established on bare, abandoned, and degraded land). The result shows that, there is no significant difference on food insecurity experienced by farmers who participate and the farmers who does not participate in the project.

E4: Environmental and biodiversity monitoring

The project design anticipated some environmental impacts like water availability, soil conservation and improved air quality. These have been achieved through tree planting, controlling fire outbreaks, and promoting SALM practices.

Table 7 – Environment and biodiversity results

[5] Based on a period of 12 months

Technical specification	Biodiversity	How it improves water availability/ quality	How it encourages soil conservation
Woodlot	Tree species diversity, birds, bees	Increased infiltration, reduced runoff, water flow	Reduced soil erosion, increased soil organic matter and soil organic carbon
Fruit Orchard	Birds, Fruits, pollinators	Increased infiltration	Increased soil organic matter and soil organic carbon
Dispersed Interplanting	Birds, fruits	Increased infiltration, moisture conservation	Increased soil organic matter and soil organic carbon
Boundary planting	Birds	Increased infiltration, drainage	Act as a windbreak

Part F: Impacts

F1: Evidence of outcomes

All participants contributed to climate change mitigation as their trees are sequestering carbon dioxide from the atmosphere and through the project 619,848 agroforestry trees have been promoted and planted. The SALM-farming practices[6] has also led to increased climate change adaptation. Examples on this are among other things:

- participating farmers have started to harvest firewood from dead branches or through pruning and thinning which means they don't need to cut trees somewhere else.
- leaves dropping from trees cover the soil surface and maintains soil moisture and reduces water runoff.
- Increased fodder for livestock which leads to increased food security for livestock.
- Availability of poles which can be used for various constructions.

Part G: Payments for Ecosystem Services

G1: Summary of PES by year

A total of 117,706,700 TZS (50,515.8 USD) was paid in this reporting period. The payment done was in line with terms of sale agreements to individual participants. For detailed payment information, see **annex nine**. Table 8 shows a summary of the payments.

Table 8: Payment for Ecosystem Services done in 2019/2020

S/No	Instalment	No of participants paid	Amount (TZS)	Amount (USD)
1	1st	154	82,714,500	35,498.3
2	2nd	53	14,610,000	6,270.1

[6] For more information, please see section B2

3	3rd	114	20,382,200	8,747.4
	Total	**321**	**117,706,700**	**50,515.8**

Please note: The payment that was done during reporting period, October 2019. Exchange rate is from https://www.oanda.com/currency/converter/ accessed on the 29th April 2020.

Exchange

Table 9: Total Payment for Ecosystem Services disbursed to date.

S/No	Year	Amount (TZS)	Amount (USD)
1	2011	1,848,600	798
2	2012	172,218,400	74,304
3	2013	107,541,000	46,583
4	2014	70,535,000	30,433
5	2015	13,502,000	5,825
6	2016	57,397,800	24,698
7	2016	7,125,300	3,074
8	2018	61,126,000	26,373
9	2019	117,706,700	50,516[7]
Total		**609,000,800**	**262,604**

Table 10: Summary of payments made and held in trust.

1. Reporting year	2. Total previous payments (previous reporting periods)	3. Total ongoing payments (in this reporting period)	4. Total payments made (2+3)	5. Total payments held in trust	6. Total payments withheld
May 2019/ April 2020	491,294,100 TZS = 212,088 USD	117,706,700 TZS = 50,516 USD	609,000,800 TZS = 262,604 USD[8]	353,563,000 TZS = 153,538 USD	7,925,200 TZS = 3,401 USD

Note: *Exchange rate at https://www.oanda.com/currency/converter/ accessed on 29th April 2020. Money withheld means money kept for unqualified participants. Money held in trust means future payments to participants according*

[7] Exchange rate is from https://www.oanda.com/currency/converter/ accessed on the 29th April 2020

[8] Please note, for this column conversion of the sum is misleading since the exchange rate has changed during the years.

to the contract. For example, for participants paid thrice, their payment held in trust are payment for 5th and 10th year.

Part H: Ongoing participation

H1: Recruitment

Vi Agroforestry concluded last recruitment for Emiti Nibwo Bulora project on 30th June 2019. Participants recruited in this reporting period signed their agreements in September 2019. In total there were 154 new participants (42 females and 112 men). These participants have planted 135,982 trees under 123 hectares and 33,263 meters. Expected tCO2 from these trees is 18,381.

H3: Community participation

Community participation is facilitated through group meetings. Each of the 44 farmer groups have meetings scheduled once a month. During the meetings, the farmers share information and can also give information on the project implementation progress. Group meetings also provide a platform where farmers share successes and challenges encountered during the project implementation. Voluntary savings and loan associations (VSLA) activities are being done (for groups engaged with VSLA) as well as sharing of experiences from the farmers who implement poultry and bee keeping, horticulture and vegetable production.

Part I: Project operating costs

I1: Allocation of costs

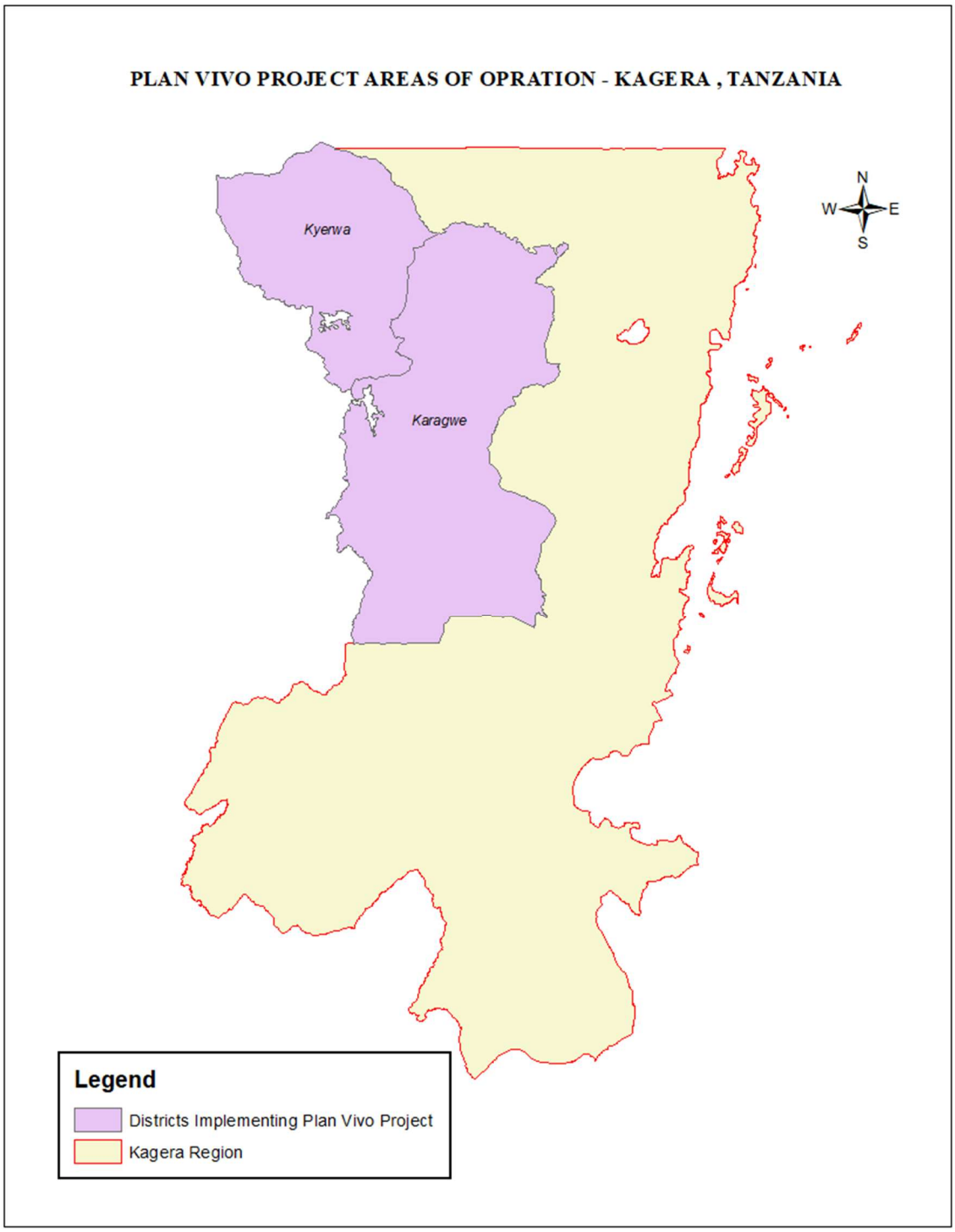
In this reporting period the project used 48,001.1 USD to pay salaries and social benefits to two staff, office expenses, seminars, and travel expenses.

Table 11: Allocation of costs in the reporting period

Expense	Narrative	Amount (USD)
Personnel	Salary & Social benefits	36,131.95
Vehicle expenses	Office running cost	4,042
Photocopying	Office running cost	62.46
Communication	Office running cost	1,210.5
Security	Office running cost	208.93
Travel	To field and country office	5,969.21
Additional expenses	Consumables	716.53
Seminars	Staff	1,134.77
Total		**49476.35**

Exchange rate is from https://www.oanda.com/currency/converter/ accessed on the 29th April 2020

Annex 1- Map


PLAN VIVO PROJECT AREAS OF OPRATION - KAGERA , TANZANIA
Kyenwa
Karagwe
N
W
E
S
Legend
Districts Implementing Plan Vivo Project
Kagera Region

Annex 2 – Division of activities between Vi Agroforestry and SFT

ACTIVITIES	VI AGROFORESTRY	SFT
Carbon marketing, sales, finance	X	
Continual updated knowledge about all PV standard policies, requirements & specifications	X	
Donor relations	X	
Quality Assurance (follow ALIVE procedures)	X	
Formal verifications and studies	X	
Data bases maintenance	X	
Annual narrative reporting (follow ALIVE procedures)	X	
Annual financial reporting (follow ALIVE procedures)	X	
Farmer-contracts management	X	
Revenue disbursement to farmer groups and individuals (through SFT) including supervision		X
PV specific farm to farm follow-up, monitoring, and measurements according to PV specifications		X
Farmer groups and community resource persons' trainings		X
Capacity building and implementation of ordinary ALIVE activities related to agroforestry, SALM and ECC, establishment of nurseries, advocacy, gender etc. including recruitment of new members to SFT		X
Risk- and conflict management		X
Sensitisation, awareness building, radio programs etc.		X
Regular follow-up and verification of SFT related activities	X	

Annex 3- Hand-over deliverables and timeframe

ACTIVITY DESCRIPTION	DATES	RESPONSIBLE	COMMENTS
Octagon and due diligence assessments of SFT, gaps identified, and report shared with MAVUNO	February 2019	Vi Agroforestry	MAVUNO, one of our partner organizations close to SFT, has been identified to mentor SFT
MAVUNO to develop a concept proposal, action plan and budget on the facilitation of capacity building of SFT	March 2019	MAVUNO and SFT	Ref. to MAVUNO project documents
Signing of Vi Agroforestry-MAVUNO agreement and funding decision	March 2019	Vi Agroforestry	Vi Agroforestry-MAVUNO agreement signed by April 2019
Implementation of the mentorship action plan	April- August 2019	MAVUNO and SFT	In close collaboration with Vi Agroforestry
Development and submission of SFT's OD/CB proposal and budget	August 2019	SFT and MAVUNO	Mainly OD and capacity building activities and additional SFT staffing, covering September 2019 – February 2020
Signing of Vi Agroforestry-SFT agreement and funding decision	End August 2019	Vi Agroforestry	Signed in October 2019
Meetings at district level (two meetings), with government district administrations, about the formal hand-over of ENB project beginning 2020	September 2020	Vi Agroforestry	Formal hand-over meetings with zone administrations will be conducted beginning. 2020
Internal baseline survey	July 2020	SFT and Vi Agroforestry	
Activity implementation as per SFT project description in collaboration with MAVUNO and Vi Agroforestry	October 2019-February 2020	SFT	
Work on Plan Vivo budget allocations for 2020 onward including a long-term PV budget	November 2019	CM and CO/RO financial staff	Development of long- term budget still work in progress
Reporting 2019 activities & evaluation	January 2020	SFT and MAVUNO	
Development and submission of SFT proposal and budget, including PV specific activities	May 2020	SFT	As part of the previous project work plan and budget
Signing of Vi Agroforestry-SFT agreement and funding decision	May 2020	Vi Agroforestry	

Implementation as per SFT project description including implementation of ENB according to work plan	From May 2020 onward	SFT	
Follow-up & evaluation of the hand-over process	October 2021	Vi Agroforestry	

Annex 4-Case Story, Pineapple Enterprise

Suleiman Swamadu is a Emiti Nibwo Bulora participant from
Kagutu village, Ndama ward, Karagwe District. He is 64 years old, married with seven children. He is one of the 23 Kagutu group members. Get to know more Mr. Suleiman through the below story.

Figure 2: Suleiman Swamadu poses for picture on his pineapple farm, photo taken by Clement Mtui, March 2020

"I joined the project in 2011 after sensitization from Vi Agroforestry staff. We formed the group for the purpose of growing trees which will sequester carbon dioxide and help us fight against climate change. As a group we received several trainings including on farm enterprises, which enabled us to earn income while we wait for long returns from the planted trees.

I opted to focus on pineapple and Irish potato production due to the training which enabled us to prepare business plans for the chosen crops. Vi Agroforestry staff trained us the best practices in pineapple and Irish potato production as well as Sustainable Land Management practices such as contour construction, as most of our farms are in hilly sides.

I started pineapple production in one-acre plot in 2012. I managed to plough part of the land and construct contours with my family. I hired the casual labors to accomplish the rest of land. I managed to pay them through revenue obtained from sales of carbon to Vi Agroforestry. The revenue obtained in 2013 enabled me to purchase land and increase my pineapple plot to 2.5 acres.

After 19 months, we could harvest for the first time. I started harvesting about 4,000 pineapples in a month and reached, at best, a harvest of 8,000 pieces after 23 months. When selling the pineapples, we go through either the formal market offered by MATUNDA MEMA, an organization dealing with processing and exportation of pineapples.

However, they only buy what they need. If we have more pineapples, we sell them on the local markets which often includes middlemen.
On average I earn TZS 1,200,000 (519 USD) after every two months as net income which gives me a total income of TZS 7,200,000 (3.114 USD) annually. With this income I manage to pay for my children's school fees, paying for health services, increase my plot from one acre to two and half acre as well taking care of my family.

On top of all I am looking forward in a near future to become rich. I didn't anticipate this in my life as a mere peasant farmer, at the time when I blindly joined the tree planting project. It is now nine years since I joined the project, my trees are now more than 30cms diameter at breast height. That means in a near future I will receive my pension fund from selling of timbers and firewood which is not common for most of the farmers. I extend my sincere thanks to Vi Agroforestry for considering us in capacity building on farm enterprises while waiting for long returns from planted trees".

Picture 4 & 5, Promising smile from Suleiman on his tree farms, photo taken by Clement Mtui, March 2020.

Annex 5 – Historic Sales

Vintage	Name of purchaser/source of funds	No. PVCs purchased	Price per PVC ($)	Total amount received ($)	Price to participants per PVC ($)*	% Sale price to participants
2010	Folksam	4,795				
2010	Naturrutan AB	127				
2011	Folksam	3,853				
2011	Alverbacks Blommor AB	375				
2011	Akademibokhandelsgruppen AB	28				
2011	Sweco Position AB	33				
2011	Naturrutan AB	371				
2012	LRF Samkop AB	16				
2012	Spridda Skurar AB	20				
2012	Lions Club International District 105N	357				
2012	Lansforsakringar Kalmar lan	137				
2012	Naturrutan AB	134				
2012	Folksam	3,969				
2012	Bokus AB	21				
2012	Naturrutan AB	145				
2012	Naturrutan AB	177				
2012	Bokus AB	10				
2012	Alverbacks Blommor	357				
2012	Svenka Motorcykel- och Snoskoterforb…	67				

2012	Peter Besterman AB	318				
2012	Naturrutan AB	803				
2013	Bokus AB	78				
2013	Bokus AB	300				
2013	Lansforsakringar Kalmar lan	131				
2013	Kung Markatta AB	603				
2013	LRF Samkop AB	16.7				
2013	Equator Stockholm AB	34				
2013	LRF Samkop	13				
2013	Peter Besterman AB	248				
2013	Fonus, ekonomisk forening	245				
2013	CCAFS, CGIAR	128				
2013	Folksam	19				
2013	Folksam	2,122				
2013	Hotel Oden	207				
2013	Fonus, ekonomisk forening	223				
2013	Folksam	2472				
2013	Billogram	3				
2013	Naturrutan AB	667				
2013	R Vibergs Blommor HB	60				
2013	Fonus, ekonomisk forening	231				
2013	AB KE Petterssons Handelstradgard	300				
2013	BioGaia AB	910				
2013	Alverbacks Blommor	374				

2013	Tubman AB	10				
2013	Naturrutan AB	145				
2013	Fonus, ekonomisk forening	231				
2014	Lantz Trafikskola AB	58				
2014	Svenska Motorcykel och snoskoterforb…	68				
2014	Equator Stockholm AB	40				
2014	Bokus AB	300				
2014	Naturrutan AB	167				
2014	Tubman AB	5				
2014	CCAFS, CGIAR	145				
2014	Länsförsäkringar Kalmar län	110				
2014	Kung Markatta AB	614				
2014	Billogram AB	3				
2014	LRF Samköp AB	5				
2014	Fonus Ekonomisk Förening	252				
2014	Car to Go Sweden AB (tidIgare Naturr…	167				
2014	Bio Gaia AB	1163				
2014	Hotel Oden	49				
2014	Sydskånes Avfallsaktiebolag (SYSAV)	24				
2014	Car to Go Sweden AB (tiDIgare Naturr…	167				
2014	LO-TCO biståndsnämnd	117				
2014	Fält Communications AB	117				
2014	Västanhem Mäkleri & Interiör AB	10				

2014	LRF Samköp AB	5				
2014	CarbZone AB	95				
2014	Car to Go Sweden AB (tiDlgare Naturr…	167				
2014	Fonus Ekonomisk Förening	229				
2014	Alverbäcks Blommar AB	366				
2014	Folksam	2792				
2014	Fonus Ekonomisk Förening	228				
2014	R. Vibergs Blommor HB	62				
2014	ZeroMission AB	2001				
2014	Fonus Ekonomisk Förening	228				
2014	Folksam	1862				
2015	AB KE Petterssons Handelsträdgård	241				
2015	Societa' per la cremazione ente morale	1000				
2015	Car to Go Sweden AB (Naturrutan)	334				
2015	Bokus AB	300				
2015	Equator Stockholm AB	43				
2015	Folksam ömsesiDlg livförsäkring	1,421				
2015	CCAFS, CGIAR Research Program….	204				
2015	Riksbyggen Ekonomisk förening	426				
2015	Kung Markatta AB	1,060				
2015	Svenska Motorcykel- och Snöskoterför…	71				
2015	Lantz Trafikskola AB	53				
2015	LO-TCO biståndsnämnd	117				

2015	Olof Palmes Internationella Center	710				
2015	BioGaia AB	1246				
2015	SWCG Swedish Consulting Group AB	6				
2015	Ny Reklambyrå i Sverige AB	40				
2015	Länsförsäkringar Kalmar Län	127				
2015	Västanhem Mäkleri & Interiör AB	10				
2015	Sjöstrand Trading AB	2				
2015	Konsumentföreningen Stockholm	33				
2015	Fält Communications AB	154				
2015	EcoOnline	9				
2015	Folksam ömsesidIg livförsäkring	2,844				
2015	Sydskånes Avfallsaktiebolag (SYSAV)	25				
2015	Skövdevillan AB	114				
2015	Tubman AB	11				
2015	Olof Palmes Internationella Center	667				
2015	Fonus Ekonomisk Förening	975				
2015	Onischa AB	20				
2015	LRF Samköp AB	5				
2015	Billogram AB	3				
2015	Getinge DIsinfection AB	20				
2015	KPA Pension AB	338				
2016	CarbZone AB	84				
2016	Alverbäcks Blommor AB	382				
2016	R Vibergs Blommor HB	62				

2016	Optimized Portfolio Management Stockholm AB	60				
2016	PRfekt kontor AB	20				
2016	Car to Go Sweden AB (Naturrutan)	334				
2016	Bergmark Sustainability AB	20				
2016	Ragn-sells Miljökonsult AB	38				
2016	Union to Union	202				
2016	Equator Stockholm AB	201				
2016	Riksbyggen Ek för	442				
2016	Jak Medlemsbank	20				
2016	Kung Markatta AB	2099				
2016	Länsförsäkringar AB	2083				
2016	W3 Association	20				
2016	Toivio & Trum AB	20				
2016	KPA Pension AB	228				
2016	NY Collective JKPG AB	20				
2016	GS Facket för skogs-trä- och gr	123				
2016	Renew Garden AB	20				
2016	Lantz Trafikskola AB	53				
2016	Västanhem Mäkleri & Interiör AB	20				
2016	Tubman	20				
2016	Fonus	239				
2016	Konsumentföreningen Stockholm	46				
	Total Historical Sales	**56,985**	*PVCs*			

Annex 6 – Monitoring result

Monitoring results for 3rd year									
S/N	Year of monitoring (i.e. participants at year 1, 2, 3)	Name of producer/ producer ID/group ID	Total tCO2services to be generated by plan vivo	Location e.g. A village name/ project area/ farmers' cooperative	Area (ha	Technical specification	Monitoring target	Monitoring result	Comment
1	3		27	Bugene	0.45218	D. Interplanting	Survival rate >= 80%	54	Disqualified
	3		19	Bugene	335	BP	Survival rate >= 80%	63	Disqualified
2	3		31	Bugene	547	BP	Survival rate >= 80%	98	Qualified
3	3		472	Bugene	3.37277	Woodlot	Survival rate >= 80%	97	Qualified
4	3		117	Bugene	0.83348	Woodlot	Survival rate >= 80%	87	Qualified
5	3		64	Bugene	0.45688	Woodlot	Survival rate >= 80%	87	Qualified
6	3		72	Bugene	0.51583	Woodlot	Survival rate >= 80%	64	Disqualified
7	3		701	Bugene	5.00431	Woodlot	Survival rate >= 80%	100	Qualified
8	3		83	Bugene	0.59344	Woodlot	Survival rate >= 80%	70	Disqualified
9	3		70	Bugene	0.50185	Woodlot	Survival rate >= 80%	98	Qualified
10	3		92	Bugene	0.6557	Woodlot	Survival rate >= 80%	90	Qualified
11	3		42	Bugene	0.29879	Woodlot	Survival rate >= 80%	65	Disqualified
12	3		25	Bugene	453	BP	Survival rate >= 80%	65	Disqualified
13	3		135	Bugene	0.9658	Woodlot	Survival rate >= 80%	108	Qualified
14	3		65	Bugene	0.46177	Woodlot	Survival rate >= 80%	73	Disqualified
15	3		9	Bugene	159	BP	Survival rate >= 80%	90	Qualified

16	3		10	Bugene	0.15621	D. Interplanting	Survival rate >= 80%	116	Qualified
17	3		50	Bugene	898	BP	Survival rate >= 80%	100	Qualified
18	3		53	Bugene	0.37834	Woodlot	Survival rate >= 80%	96	Qualified
19	3		149	Bugene	1.06357	Woodlot	Survival rate >= 80%	75	Disqualified
20	3		10	Bugene	0.0718	Woodlot	Survival rate >= 80%	100	Qualified
21	3		17	Bugene	304	BP	Survival rate >= 80%	86	Qualified
22	3		6	Bugene	112	BP	Survival rate >= 80%	84	Qualified
23	3		22	Bugene	400	BP	Survival rate >= 80%	46	Disqualified
24	3		12	Bugene	217	BP	Survival rate >= 80%	47	Disqualified
25	3		12	Bugene	218	BP	Survival rate >= 80%	46	Disqualified
26	3		22	Bugene	401	BP	Survival rate >= 80%	27	Disqualified
27	3		20	Bugene	0.14475	Woodlot	Survival rate >= 80%	70	Disqualified
28	3		9	Bugene	167	BP	Survival rate >= 80%	98	Qualified
29	3		23	Bugene	405	BP	Survival rate >= 80%	70	Disqualified
30	3		9	Bugene	0.15497	D. Interplanting	Survival rate >= 80%	58	Disqualified
31	3		34	Bugene	615	BP	Survival rate >= 80%	89	Qualified
32	3		51	Bugene	0.3654	Woodlot	Survival rate >= 80%	101	Qualified
33	3		27	Bugene	488	BP	Survival rate >= 80%	98	Qualified
34	3		36	Bugene	651	BP	Survival rate >= 80%	94	Qualified
35	3		16	Bugene	289	BP	Survival rate >= 80%	97	Qualified

36	3		12	Bugene	218	BP	Survival rate >= 80%	96	Qualified
	3		59	Bugene	0.9649	D. Interplanting	Survival rate >= 80%	98	Qualified
37	3		302	Bugene	2.1579	Woodlot	Survival rate >= 80%	99	Qualified
38	3		59	Bugene	0.42403	Woodlot	Survival rate >= 80%	67	Disqualified
39	3		54	Bugene	0.38791	Woodlot	Survival rate >= 80%	89	Qualified
40	3		16	Bugene	0.92167	Fruit Orchard	Survival rate >= 80%	97	Qualified
41	3		38	Bugene	2.21588	Fruit Orchard	Survival rate >= 80%	100	Qualified
42	3		122	Bugene	0.87129	Woodlot	Survival rate >= 80%	84	Qualified
43	3		152	Bugene	1.0878	Woodlot	Survival rate >= 80%	57	Disqualified
44	3		125	Bugene	0.89345	Woodlot	Survival rate >= 80%	100	Qualified
45	3		75	Bugene	0.53254	Woodlot	Survival rate >= 80%	101	Qualified
46	3		58	Bugene	0.41203	Woodlot	Survival rate >= 80%	101	Qualified
47	3		39	Bugene	0.27718	Woodlot	Survival rate >= 80%	96	Qualified
48	3		78	Bugene	1400	BP	Survival rate >= 80%	99	Qualified
49	3		39	Bugene	0.27647	Woodlot	Survival rate >= 80%	101	Qualified
50	3		38	Bugene	676	BP	Survival rate >= 80%	101	Qualified
51	3		29	Bugene	0.46825	D. Interplanting	Survival rate >= 80%	93	Qualified
52	3		22	Bugene	0.15896	Woodlot	Survival rate >= 80%	69	Disqualified
53	3		43	Bugene	0.6988	D. Interplanting	Survival rate >= 80%	59	Disqualified
	3		25	Bugene	0.17981	Woodlot	Survival rate >= 80%	45	Disqualified

54	3		30	Bugene	0.2133	Woodlot	Survival rate >= 80%	87	Qualified
55	3		60	Bugene	0.43154	Woodlot	Survival rate >= 80%	34	Disqualified
56	3		80	Bugene	1.31357	D. Interplanting	Survival rate >= 80%	92	Qualified
57	3		103	Bugene	1.68949	D. Interplanting	Survival rate >= 80%	98	Qualified
58	3		36	Bugene	0.25475	Woodlot	Survival rate >= 80%	93	Qualified
59	3		46	Bugene	0.74968	D. Interplanting	Survival rate >= 80%	80	Qualified
60	3		23	Bugene	0.38471	D. Interplanting	Survival rate >= 80%	100	Qualified
61	3		14	Bugene	0.23151	D. Interplanting	Survival rate >= 80%	93	Qualified
62	3		67	Bugene	1.10581	D. Interplanting	Survival rate >= 80%	50	Disqualified
63	3		56	Bugene	995	BP	Survival rate >= 80%	97	Qualified
64	3		32	Bugene	0.23052	Woodlot	Survival rate >= 80%	99	Qualified
65	3		20	Bugene	349	BP	Survival rate >= 80%	100	Qualified
66	3		39	Bugene	0.27822	Woodlot	Survival rate >= 80%	96	Qualified
67	3		13	Bugene	232	BP	Survival rate >= 80%	100	Qualified
68	3		26	Bugene	0.42927	D. Interplanting	Survival rate >= 80%	99	Qualified
69	3		29	Bugene	0.2081	Woodlot	Survival rate >= 80%	95	Qualified
70	3		55	Bugene	0.3959	Woodlot	Survival rate >= 80%	91	Qualified
71	3		184	Bugene	1.312	Woodlot	Survival rate >= 80%	100	Qualified
72	3		73	Nyaishozi	0.52439	Woodlot	Survival rate >= 80%	50	Disqualified
73	3		106	Nyaishozi	0.75446	Woodlot	Survival rate >= 80%	62	Disqualified

74	3		245	Nyaishozi	1.7534	Woodlot	Survival rate >= 80%	101	Qualified
75	3		79	Nyaishozi	0.56679	Woodlot	Survival rate >= 80%	71	Disqualified
76	3		61	Nyaishozi	0.43919	Woodlot	Survival rate >= 80%	50	Disqualified
77	3		34	Nyaishozi	0.2426	Woodlot	Survival rate >= 80%	113	Qualified
78	3		188	Nyaishozi	1.34332	Woodlot	Survival rate >= 80%	84	Qualified
79	3		32	Nyaishozi	0.22844	Woodlot	Survival rate >= 80%	80	Qualified
80	3		111	Nyaishozi	0.79417	Woodlot	Survival rate >= 80%	86	Qualified
81	3		92	Nyaishozi	0.65678	Woodlot	Survival rate >= 80%	87	Qualified
82	3		14	Nyaishozi		BP	Survival rate >= 80%	100	Qualified
83	3		19	Nyaishozi	0.1357	Woodlot	Survival rate >= 80%	101	Qualified
84	3		20	Nyaishozi	0.14448	Woodlot	Survival rate >= 80%	102	Qualified
	3		5	Nyaishozi	0.08636	DI	Survival rate >= 80%	124	Qualified
85	3		322	Nyaishozi	2.29779	Woodlot	Survival rate >= 80%	98	Qualified
86	3		85	Nyaishozi	0.6099	Woodlot	Survival rate >= 80%	102	Qualified
87	3		79	Nyaishozi	0.56247	Woodlot	Survival rate >= 80%	81	Qualified
88	3		56	Nyaishozi	0.40287	Woodlot	Survival rate >= 80%	69	Disqualified
89	3		20	Nyaishozi		BP	Survival rate >= 80%	100	Qualified
	3		197	Nyaishozi	1.40795	Woodlot	Survival rate >= 80%	100	Qualified
90	3		81	Nyaishozi	0.5762	Woodlot	Survival rate >= 80%	95	Qualified
91	3		54	Nyaishozi	0.38739	Woodlot	Survival rate >= 80%	85	Qualified

92	3		6	Nyaishozi	0.36717	Fruit Orchard	Survival rate >= 80%	47	Disqualified
93	3		186	Nyaishozi	1.3307	Woodlot	Survival rate >= 80%	93	Qualified
94	3		20	Nyaishozi	0.13929	Woodlot	Survival rate >= 80%	74	Disqualified
95	3		19	Nyaishozi	0.13702	Woodlot	Survival rate >= 80%	112	Qualified
96	3		133	Nyaishozi	0.94792	Woodlot	Survival rate >= 80%	89	Qualified
97	3		15	Nyaishozi	0.25025	DI	Survival rate >= 80%	50	Disqualified
98	3		25	Nyaishozi	0.17866	Woodlot	Survival rate >= 80%	96	Qualified
99	3		108	Nyaishozi	0.77107	Woodlot	Survival rate >= 80%	82	Qualified
100	3		251	Nyaishozi	1.79459	Woodlot	Survival rate >= 80%	52	Disqualified
101	3		15	Nyaishozi	0.108	Woodlot	Survival rate >= 80%	109	Qualified
102	3		30	Nyaishozi	531	BP	Survival rate >= 80%	97	Qualified
103	3		14	Nyaishozi	0.1	Woodlot	Survival rate >= 80%	106	Qualified
104	3		102	Nyaishozi	0.73118	Woodlot	Survival rate >= 80%	90	Qualified
105	3		91	Nyaishozi	0.65261	Woodlot	Survival rate >= 80%	54	Disqualified
106	3		118	Nyaishozi	0.84444	Woodlot	Survival rate >= 80%	38	Disqualified
107	3		79	Nyaishozi	0.22844	Woodlot	Survival rate >= 80%	93	Qualified
108	3		127	Nyaishozi	0.33367	Woodlot	Survival rate >= 80%	65	Disqualified
109	3		106	Nyaishozi	0.9092	Woodlot	Survival rate >= 80%	72	Disqualified
110	3		24	Nyaishozi	0.75441	Woodlot	Survival rate >= 80%	97	Qualified
111	3		53	Nyaishozi	0.17424	Woodlot	Survival rate >= 80%	55	Disqualified

112	3		20	Nyaishozi	0.82705	Woodlot	Survival rate >= 80%	102	Qualified
113	3		116	Nyaishozi	0.14236	Woodlot	Survival rate >= 80%	96	Qualified
114	3		46	Nyaishozi	0.32683	Woodlot	Survival rate >= 80%	84	Qualified
	3		19	Nyaishozi	339	BP	Survival rate >= 80%	65	Disqualified
115	3		48	Nyaishozi	0.34623	Woodlot	Survival rate >= 80%	102	Qualified
116	3		48	Kaisho	0.77936	DI	Survival rate >= 80%	50	Disqualified
	3		27	Kaisho	483	BP	Survival rate >= 80%	99	Qualified
117	3		35	Kaisho	626	BP	Survival rate >= 80%	88	Qualified
118	3		48	Kaisho	0.33968	Woodlot	Survival rate >= 80%	50	Disqualified
119	3		27	Kaisho	0.19614	Woodlot	Survival rate >= 80%	78	Disqualified
120	3		25	Kaisho	0.17829	Woodlot	Survival rate >= 80%	96	Qualified
	3		26	Kaisho	473	BP	Survival rate >= 80%	100	Qualified
121	3		30	Kaisho	531	BP	Survival rate >= 80%	86	Qualified
122	3		20	Kaisho	365	BP	Survival rate >= 80%	107	Qualified
123	3		96	Kaisho	0.68363	Woodlot	Survival rate >= 80%	100	Qualified
124	3		39	Kaisho	703	BP	Survival rate >= 80%	94	Qualified
125	3		37	Kaisho	663	BP	Survival rate >= 80%	83	Qualified
126	3		4	Kaisho	0.21123	Fruit Orchard	Survival rate >= 80%	100	Qualified
127	3		16	Kaisho	281	BP	Survival rate >= 80%	99	Qualified
128	3		3	Kaisho	0.1956	Fruit Orchard	Survival rate >= 80%	97	Qualified

129	3		108	Kaisho	0.77096	Woodlot	Survival rate >= 80%	100	Qualified
	3		68	Kaisho	1210	BP	Survival rate >= 80%	99	Qualified
130	3		32	Kaisho	0.52995	DI	Survival rate >= 80%	102	Qualified
131	3		16	Kaisho	0.25905	DI	Survival rate >= 80%	98	Qualified
132	3		18	Kaisho	329	BP	Survival rate >= 80%	85	Qualified
133	3		14	Kaisho	246	BP	Survival rate >= 80%	98	Qualified
134	3		95	Kaisho	0.68163	Woodlot	Survival rate >= 80%	92	Qualified
135	3		20	Kaisho	0.32106	DI	Survival rate >= 80%	84	Qualified
	3		15	Kaisho	275	BP	Survival rate >= 80%	86	Qualified
136	3		19	Kaisho	0.13413	Woodlot	Survival rate >= 80%	95	Qualified
137	3		26	Kaisho	472	BP	Survival rate >= 80%	77	Disqualified
138	3		27	Kaisho	0.44806	DI	Survival rate >= 80%	108	Qualified
	3		16	Kaisho	287	BP	Survival rate >= 80%	98	Qualified
139	3		48	Kaisho	0.78122	DI	Survival rate >= 80%	98	Qualified
	3		21	Kaisho	376	BP	Survival rate >= 80%	98	Qualified
140	3		21	Kaisho	369	BP	Survival rate >= 80%	68	Disqualified
141	3		32	Kaisho	578	BP	Survival rate >= 80%	48	Disqualified
142	3		19	Kaisho	334	BP	Survival rate >= 80%	102	Qualified
143	3		49	Kaisho	0.34671	Woodlot	Survival rate >= 80%	97	Qualified
144	3		9	Kaisho	0.14558	DI	Survival rate >= 80%	48	Disqualified

	3		24	Kaisho	0.17402	Woodlot	Survival rate >= 80%	52	Disqualified
145	3		33	Kaisho	0.2384	Woodlot	Survival rate >= 80%	93	Qualified
146	3		96	Kaisho	1.57724	DI	Survival rate >= 80%	100	Qualified
147	3		43	Kaisho	0.309	Woodlot	Survival rate >= 80%	114	Qualified
148	3		77	Kaisho	0.55245	Woodlot	Survival rate >= 80%	99	Qualified
149	3		11	Kaisho	0.17663	DI	Survival rate >= 80%	100	Qualified
150	3		21	Kaisho	368	BP	Survival rate >= 80%	81	Qualified
151	3		24	Kaisho	429	BP	Survival rate >= 80%	73	Disqualified
152	3		17	Kaisho	299	BP	Survival rate >= 80%	111	Qualified
153	3		47	Kaisho	0.17663	Woodlot	Survival rate >= 80%	41	Disqualified
154	3		98	Kaisho	0.17663	Woodlot	Survival rate >= 80%	97	Qualified
Monitoring results for 2nd year									
S/No	Year of monitoring (i.e. participants at year 1, 2, 3)	Name of producer/ producer ID/group ID	Total tCO_2services to be generated by plan vivo	Location e.g. A village name/ project area/ farmers' cooperative	Area (ha	Technical specification	Monitoring target	Monitoring result	Comment
1	2		283	Bugene	4.64262	DI	Survival rate >= 90%	96	Qualified
	2		54	Bugene	967	BP	Survival rate >= 90%	98	Qualified
2	2		486	Bugene	3.47031	Woodlot	Survival rate >= 90%	95	Qualified
	2		52	Bugene	930	BP	Survival rate >= 90%	97	Qualified
3	2		34	Bugene	616	BP	Survival rate >= 90%	101	Qualified

4	2		67	Bugene	0.47889	Woodlot	Survival rate >= 90%	96	Qualified
5	2		79	Bugene	0.56478	Woodlot	Survival rate >= 90%	95	Qualified
	2		26	Bugene	464	BP	Survival rate >= 90%	99	Qualified
6	2		240	Bugene	1.71379	Woodlot	Survival rate >= 90%	100	Qualified
7	2		24	Bugene	428	BP	Survival rate >= 90%	101	Qualified
8	2		18	Bugene	317	BP	Survival rate >= 90%	100	Qualified
9	2		41	Bugene	0.28986	Woodlot	Survival rate >= 90%	178	Qualified
10	2		124	Bugene	0.88861	Woodlot	Survival rate >= 90%	100	Qualified
11	2		20	Bugene	0.14026	Woodlot	Survival rate >= 90%	101	Qualified
12	2		27	Bugene	475	BP	Survival rate >= 90%	101	Qualified
13	2		153	Bugene	1.0921	Woodlot	Survival rate >= 90%	101	Qualified
14	2		166	Bugene	1.1823	Woodlot	Survival rate >= 90%	100	Qualified
15	2		38	Bugene	0.27448	Woodlot	Survival rate >= 90%	134	Qualified
16	2		25	Bugene	443	BP	Survival rate >= 90%	103	Qualified
17	2		198	Bugene	1.41379	Woodlot	Survival rate >= 90%	90	Qualified
18	2		37	Bugene	654	BP	Survival rate >= 90%	99	Qualified
19	2		69	Bugene	1241	BP	Survival rate >= 90%	101	Qualified
20	2		79	Bugene	1.28814	DI	Survival rate >= 90%	101	Qualified
21	2		49	Bugene	0.3467	Woodlot	Survival rate >= 90%	115	Qualified
22	2		26	Bugene	463	BP	Survival rate >= 90%	100	Qualified

23	2		9	Bugene	163	BP	Survival rate >= 90%	94	Qualified
24	2		80	Bugene	0.5688	Woodlot	Survival rate >= 90%	96	Qualified
25	2		18	Kaisho	324	BP	Survival rate >= 90%	69	Disqualified
26	2		18	Kaisho	329	BP	Survival rate >= 90%	76	Disqualified
27	2		17	Kaisho	310	BP	Survival rate >= 90%	63	Disqualified
28	2		122	Kaisho	0.86951	Woodlot	Survival rate >= 90%	99	Qualified
29	2		68	Kaisho	1.11041	DI	Survival rate >= 90%	84	Disqualified
30	2		24	Kaisho	426	BP	Survival rate >= 90%	78	Disqualified
31	2		21	Kaisho	373	BP	Survival rate >= 90%	101	Qualified
32	2		39	Kaisho	701	BP	Survival rate >= 90%	82	Disqualified
33	2		192	Kaisho	1.3686	Woodlot	Survival rate >= 90%	100	Qualified
34	2		45	Kaisho	0.31909	Woodlot	Survival rate >= 90%	82	Disqualified
35	2		42	Kaisho	0.29821	Woodlot	Survival rate >= 90%	105	Qualified
36	2		25	Kaisho	438	BP	Survival rate >= 90%	94	Qualified
37	2		38	Kaisho	677	BP	Survival rate >= 90%	98	Qualified
38	2		29	Kaisho	510	BP	Survival rate >= 90%	90	Qualified
39	2		91	Kaisho	0.65735	Woodlot	Survival rate >= 90%	97	Qualified
40	2		55	Kaisho	0.39199	Woodlot	Survival rate >= 90%	100	Qualified
41	2		22	Kaisho	390	BP	Survival rate >= 90%	103	Qualified
42	2		138	Kaisho	0.98782	Woodlot	Survival rate >= 90%	99	Qualified

43	2		204	Kaisho	1.45562	Woodlot	Survival rate >= 90%	96	Qualified
44	2		87	Kaisho	0.6245	Woodlot	Survival rate >= 90%	100	Qualified
45	2		24	Kaisho	426	BP	Survival rate >= 90%	94	Qualified
46	2		33	Kaisho	590	BP	Survival rate >= 90%	100	Qualified
47	2		37	Kaisho	668	BP	Survival rate >= 90%	100	Qualified
48	2		40	Nyaishozi	0.28905	Woodlot	Survival rate >= 90%	83	Disqualified
49	2		34	Nyaishozi	0.55983	DI	Survival rate >= 90%	54	Disqualified
50	2		48	Nyaishozi	0.34044	Woodlot	Survival rate >= 90%	56	Disqualified
51	2		104	Nyaishozi	1.71238	DI	Survival rate >= 90%	28	Disqualified
52	2		55	Nyaishozi	0.9028	DI	Survival rate >= 90%	58	Disqualified
53	2		18	Nyabiyonza	313	BP	Survival rate >= 90%	101	Qualified
54	2		357	Nyabiyonza	2.55357	Woodlot	Survival rate >= 90%	100	Qualified
55	2		16	Nyabiyonza	0.26275	DI	Survival rate >= 90%	98	Qualified
56	2		41	Nyabiyonza	731	BP	Survival rate >= 90%	101	Qualified
57	2		188	Nyabiyonza	1.34613	Woodlot	Survival rate >= 90%	100	Qualified
	2		28	Nyabiyonza	494	BP	Survival rate >= 90%	97	Qualified
58	2		10	Nyabiyonza	0.61187	Fruit Orchard	Survival rate >= 90%	92	Qualified
59	2		13	Nyabiyonza	0.08986	Woodlot	Survival rate >= 90%	100	Qualified
60	2		82	Nyabiyonza	0.58831	Woodlot	Survival rate >= 90%	99	Qualified
61	2		32	Nyabiyonza	0.22557	Woodlot	Survival rate >= 90%	91	Qualified

62	2		32	Nyabiyonza	0.22596	Woodlot	Survival rate >= 90%	90	Qualified
63	2		111	Nyabiyonza	0.79019	Woodlot	Survival rate >= 90%	91	Qualified
64	2		67	Nyabiyonza	0.47789	Woodlot	Survival rate >= 90%	94	Qualified
65	2		211	Nyabiyonza	1.50924	Woodlot	Survival rate >= 90%	100	Qualified

Annex 7 – Participants list 2010-2020

S/NO	PARTICIPANT	PV ID	REG YEAR	ZONE	T/SPECIFICATION	EXPECTED tCO2
1		4	2010	Nyaishozi	Woodlot	83
2		18	2010	Nyaishozi	D. Interplanting	36
3		2	2010	Nyaishozi	Woodlot	35
4		6	2010	Nyaishozi	D. Interplanting	18
5		13	2010	Nyaishozi	Woodlot	96
6		1	2010	Nyaishozi	Woodlot	118
7		11	2010	Nyaishozi	Woodlot	80
8		3	2010	Nyaishozi	Woodlot	84
9		14	2010	Nyaishozi	Woodlot	136
10		12	2010	Nyaishozi	Woodlot	86
11		10	2010	Nyaishozi	Woodlot	85
12		8	2010	Nyaishozi	Woodlot	101
13		19	2010	Nyaishozi	Woodlot	122
14		17	2010	Nyaishozi	Woodlot	64
15		7	2010	Nyaishozi	D. Interplanting	65
16		20	2010	Nyaishozi	Woodlot	70
17		21	2010	Nyaishozi	Woodlot	138
18		15	2010	Nyaishozi	D. Interplanting	17
19		16	2010	Nyaishozi	Woodlot	91
20		22	2010	Nyaishozi	Woodlot	93
21		23	2010	Nyaishozi	Woodlot	133
22		89	2011	Nyaishozi	Woodlot	98
23		90	2011	Nyaishozi	Woodlot	52
24		91	2011	Nyaishozi	Woodlot	31
25		92	2011	Nyaishozi	Woodlot	55
26		94	2011	Nyaishozi	D. Interplanting	45
27		95	2011	Nyaishozi	Woodlot	52
28		96	2011	Nyaishozi	Woodlot	101
29		97	2011	Nyaishozi	D. Interplanting	34
30		99	2011	Nyaishozi	Woodlot	94
31		100	2011	Nyaishozi	Woodlot	42
32		101	2011	Nyaishozi	Woodlot	61
33		102	2011	Nyaishozi	Woodlot	20
34		103	2011	Nyaishozi	D. Interplanting	16
35		104	2011	Nyaishozi	B. Planting	25
36		106	2011	Nyaishozi	Woodlot	90
37		109	2011	Nyaishozi	B. Planting	21

38		111	2011	Nyaishozi	Woodlot	32
39		113	2011	Nyaishozi	Woodlot	44
40		240	2011	Nyaishozi	Woodlot	16
41		57	2011	Nyaishozi	Woodlot	18
42		61	2011	Nyaishozi	Woodlot	38
43		62	2011	Nyaishozi	Woodlot	125
44		63	2011	Nyaishozi	Woodlot	30
45		64	2011	Nyaishozi	Woodlot	62
46		28	2011	Nyaishozi	D. Interplanting	12
47		30	2011	Nyaishozi	Woodlot	86
48		31	2011	Nyaishozi	Woodlot	146
49		32	2011	Nyaishozi	B. Planting	18
50		35	2011	Nyaishozi	B. Planting	24
51		36	2011	Nyaishozi	Woodlot	31
52		37	2011	Nyaishozi	B. Planting	14
53		38	2011	Nyaishozi	B. Planting	18
54		42	2011	Nyaishozi	Woodlot	38
55		43	2011	Nyaishozi	B. Planting	20
56		44	2011	Nyaishozi	B. Planting	45
57		45	2011	Nyaishozi	D. Interplanting	46
58		46	2011	Nyaishozi	Woodlot	71
59		47	2011	Nyaishozi	B. Planting	18
60		48	2011	Nyaishozi	D. Interplanting	29
61		49	2011	Nyaishozi	Woodlot	20
62		51	2011	Nyaishozi	D. Interplanting	11
63		143	2011	Nyaishozi	Woodlot	121
64		147	2011	Nyaishozi	Woodlot	252
65		254	2011	Nyaishozi	B. Planting	33
66		255	2011	Nyaishozi	Woodlot	15
67		18	2011	Nyaishozi	Woodlot	31
68		24	2011	Nyaishozi	Woodlot	73
69		25	2011	Nyaishozi	Woodlot &D. Interplanting	314
70		7	2011	Nyaishozi	Woodlot	59
71		21	2011	Nyaishozi	Woodlot	43
72		19	2011	Nyaishozi	Woodlot	45
73		23	2011	Nyaishozi	Woodlot	98
74		14	2011	Nyaishozi	Woodlot	79
75		149	2011	Nyaishozi	Woodlot	95
76		150	2011	Nyaishozi	Woodlot	15
77		152	2011	Nyaishozi	Woodlot	46

78		153	2011	Nyaishozi	D. Interplanting	13
79		154	2011	Nyaishozi	Woodlot	28
80		151	2011	Nyaishozi	Woodlot	33
81		155	2011	Nyaishozi	Woodlot	56
82		156	2011	Nyaishozi	Woodlot	84
83		157	2011	Nyaishozi	Woodlot	41
84		160	2011	Nyaishozi	Woodlot	62
85		162	2011	Nyaishozi	B. Planting	24
86		163	2011	Nyaishozi	Woodlot	45
87		246	2011	Nyaishozi	Woodlot	20
88		247	2011	Nyaishozi	Woodlot	239
89		166	2011	Nyaishozi	Woodlot	51
90		167	2011	Nyaishozi	Woodlot	29
91		168	2011	Nyaishozi	Woodlot	72
92		169	2011	Nyaishozi	Woodlot	65
93		170	2011	Nyaishozi	Woodlot	70
94		173	2011	Nyaishozi	D. Interplanting	53
95		175	2011	Nyaishozi	Woodlot	196
96		177	2011	Nyaishozi	Woodlot	89
97		178	2011	Nyaishozi	Woodlot	22
98		171	2011	Nyaishozi	Woodlot	70
99		248	2011	Nyaishozi	Woodlot	21
100		249	2011	Nyaishozi	Woodlot	64
101		182	2011	Nyaishozi	Woodlot	107
102		183	2011	Nyaishozi	Woodlot	296
103		184	2011	Nyaishozi	Woodlot	114
104		185	2011	Nyaishozi	Woodlot	205
105		187	2011	Nyaishozi	Woodlot	118
106		190	2011	Nyaishozi	B. Planting	80
107		192	2011	Nyaishozi	Woodlot	219
108		194	2011	Nyaishozi	Woodlot	84
109		196	2011	Nyaishozi	Woodlot	64
110		198	2011	Nyaishozi	B. Planting	34
111		205	2011	Nyaishozi	Woodlot	101
112		207	2011	Nyaishozi	Woodlot	120
113		208	2011	Nyaishozi	Woodlot	168
114		209	2011	Nyaishozi	Boundary	17
115		210	2011	Nyaishozi	Boundary	33
116		211	2011	Nyaishozi	Woodlot	161
117		212	2011	Nyaishozi	Woodlot	67

118		213	2011	Nyaishozi	Woodlot	23
119		217	2011	Nyaishozi	Woodlot	82
120		219	2011	Nyaishozi	Woodlot	150
121		221	2011	Nyaishozi	Woodlot	67
122		227	2011	Nyaishozi	Woodlot	322
123		225	2011	Nyaishozi	Woodlot	214
124		226	2011	Nyaishozi	Woodlot	121
125		244	2011	Nyaishozi	WD & B. Planting	249
126		250	2011	Nyaishozi	Woodlot	56
127		251	2011	Nyaishozi	Woodlot	458
128		258	2011	Nyaishozi	Woodlot	256
129		181	2011	Nyaishozi	Woodlot	70
130		186	2011	Nyaishozi	Woodlot	30
131		188	2011	Nyaishozi	Woodlot	74
132		189	2011	Nyaishozi	Woodlot	61
133		193	2011	Nyaishozi	Woodlot	23
134		197	2011	Nyaishozi	Woodlot	53
135		203	2011	Nyaishozi	Woodlot	32
136		204	2011	Nyaishozi	Woodlot	41
137		206	2011	Nyaishozi	Woodlot	44
138		215	2011	Nyaishozi	Woodlot	28
139		218	2011	Nyaishozi	Woodlot	269
140		223	2011	Nyaishozi	Woodlot	63
141		252	2011	Nyaishozi	WD & B. Planting	117
142		253	2011	Nyaishozi	Woodlot	234
143		67	2011	Nyaishozi	Woodlot	56
144		69	2011	Nyaishozi	D. Interplanting	49
145		71	2011	Nyaishozi	Woodlot	136
146		73	2011	Nyaishozi	Woodlot	16
147		74	2011	Nyaishozi	Woodlot	65
148		75	2011	Nyaishozi	Woodlot	205
149		76	2011	Nyaishozi	Woodlot	51
150		77	2011	Nyaishozi	Woodlot	50
151		78	2011	Nyaishozi	Woodlot	112
152		80	2011	Nyaishozi	Woodlot & B. Planting	79
153		56	2011	Nyaishozi	Woodlot	73
154		83	2011	Nyaishozi	Woodlot	233
155		84	2011	Nyaishozi	Woodlot	69
156		86	2011	Nyaishozi	B. Planting	24
157		165	2011	Nyaishozi	Woodlot	70

158		88	2011	Nyaishozi	D. Interplanting	20
159		245	2011	Nyaishozi	Woodlot	215
160		236	2011	Nyaishozi	Woodlot	52
161		237	2011	Nyaishozi	Woodlot	101
162		235	2011	Nyaishozi	Woodlot	87
163		120	2011	Nyaishozi	Woodlot	66
164		127	2011	Nyaishozi	Woodlot	105
165		134	2011	Nyaishozi	Woodlot	79
166		136	2011	Nyaishozi	Woodlot	48
167		138	2011	Nyaishozi	Woodlot	81
168		139	2011	Nyaishozi	Woodlot & B. Planting	32
169		140	2011	Nyaishozi	Woodlot	80
170		148	2011	Nyaishozi	B. Planting	25
171		256	2011	Nyaishozi	Woodlot	49
172		257	2011	Nyaishozi	Woodlot	162
173		261	2015	Nyaishozi	Woodlot	73
174		262	2015	Nyaishozi	Woodlot	106
175		263	2015	Nyaishozi	Woodlot	245
176		264	2015	Nyaishozi	Woodlot	79
177		265	2015	Nyaishozi	Woodlot	61
178		266	2015	Nyaishozi	Woodlot	34
179		267	2015	Nyaishozi	Woodlot	188
180		268	2015	Nyaishozi	Woodlot	32
181		269	2015	Nyaishozi	Woodlot	111
182		270	2015	Nyaishozi	Woodlot	92
183		271	2015	Nyaishozi	B. Planting	14
184		272	2015	Nyaishozi	Woodlot	19
185		273	2015	Nyaishozi	Woodlot	20
			2015	Nyaishozi	D. Interplanting	5
186		274	2015	Nyaishozi	Woodlot	322
187		275	2015	Nyaishozi	Woodlot	85
188		276	2015	Nyaishozi	Woodlot	79
189		277	2015	Nyaishozi	Woodlot	56
190		278	2015	Nyaishozi	B. Planting	20
			2015	Nyaishozi	Woodlot	197
191		279	2015	Nyaishozi	Woodlot	81
192		280	2015	Nyaishozi	Woodlot	54
193		281	2015	Nyaishozi	Fruit Orchard	6
194		282	2015	Nyaishozi	Woodlot	186
195		283	2015	Nyaishozi	Woodlot	20

196		284	2015	Nyaishozi	Woodlot	19
197		285	2015	Nyaishozi	Woodlot	133
198		286	2015	Nyaishozi	D. Interplanting	15
199		287	2015	Nyaishozi	Woodlot	25
200		288	2015	Nyaishozi	Woodlot	108
201		289	2015	Nyaishozi	Woodlot	251
202		290	2015	Nyaishozi	Woodlot	15
203		291	2015	Nyaishozi	B. Planting	30
204		292	2015	Nyaishozi	Woodlot	14
205		293	2015	Nyaishozi	Woodlot	102
206		294	2015	Nyaishozi	Woodlot	91
207		295	2015	Nyaishozi	Woodlot	118
208		296	2015	Nyaishozi	Woodlot	79
209		297	2015	Nyaishozi	Woodlot	127
210		298	2015	Nyaishozi	Woodlot	106
211		299	2015	Nyaishozi	Woodlot	24
212		300	2015	Nyaishozi	Woodlot	53
213		301	2015	Nyaishozi	Woodlot	20
214		302	2015	Nyaishozi	Woodlot	116
215		303	2015	Nyaishozi	Woodlot	46
			2015	Nyaishozi	B. Planting	19
216		304	2016	Nyaishozi	Woodlot	48
217		305	2018	Nyaishozi	Woodlot	40
218		306	2018	Nyaishozi	D. Interplanting	34
219		307	2018	Nyaishozi	Woodlot	48
220		308	2018	Nyaishozi	D. Interplanting	104
221		309	2018	Nyaishozi	D. Interplanting	55
222		325	2011	Bugene	B. Planting & D. Interplanting	64
223		324	2011	Bugene	Woodlot	25
224		25	2011	Bugene	D. Interplanting	29
225		26	2011	Bugene	Woodlot	89
226		33	2011	Bugene	Woodlot	97
227		34	2011	Bugene	D. Interplanting	23
228		36	2011	Bugene	Woodlot	29
229		38	2011	Bugene	Woodlot	90
230		41	2011	Bugene	Woodlot	25
231		42	2011	Bugene	Woodlot	60
232		45	2011	Bugene	Woodlot	75
233		48	2011	Bugene	D. Interplanting	11

234		51	2011	Bugene	Woodlot	19
235		322	2011	Bugene	Woodlot	7
236		54	2011	Bugene	Woodlot	38
237		55	2011	Bugene	B. Planting	30
238		57	2011	Bugene	Woodlot	213
239		58	2011	Bugene	Woodlot	19
240		62	2011	Bugene	Woodlot	35
241		63	2011	Bugene	Woodlot	58
242		66	2011	Bugene	Woodlot	16
243		67	2011	Bugene	B. Planting & WD	101
244		69	2011	Bugene	Woodlot	49
245		71	2011	Bugene	Woodlot	108
246		72	2011	Bugene	Woodlot	28
247		73	2011	Bugene	Woodlot	59
248		74	2011	Bugene	B. Planting & WD	78
249		75	2011	Bugene	Woodlot & D. Interplanting	75
250		76	2011	Bugene	Woodlot	579
251		77	2011	Bugene	Woodlot & B. Planting	134
252		80	2011	Bugene	Fruit Orchard & WD	134
253		88	2011	Bugene	Woodlot	31
254		89	2011	Bugene	Woodlot	60
255		351	2011	Bugene	B. Planting	21
256		352	2011	Bugene	Woodlot	16
257		353	2011	Bugene	Woodlot	19
258		369	2011	Bugene	WD & B. Planting	53
259		370	2011	Bugene	Woodlot	687
260		91	2011	Bugene	Woodlot	75
261		93	2011	Bugene	D. Interplanting	33
262		100	2011	Bugene	B. Planting	28
263		102	2011	Bugene	Woodlot & D. Interplanting	95
264		314	2011	Bugene	Woodlot	90
265		259	2011	Bugene	B. Planting	21
266		341	2011	Bugene	B. Planting	32
267		343	2011	Bugene	B. Planting	11
268		104	2011	Bugene	Woodlot	68
269		105	2011	Bugene	Woodlot	15
270		107	2011	Bugene	Woodlot	36
271		108	2011	Bugene	Woodlot	29
272		112	2011	Bugene	Woodlot	56
273		114	2011	Bugene	Woodlot	50

274		115	2011	Bugene	Woodlot	19
275		116	2011	Bugene	Woodlot	33
276		120	2011	Bugene	Woodlot	8
277		123	2011	Bugene	Woodlot	7
278		124	2011	Bugene	Woodlot	59
279		125	2011	Bugene	Woodlot	28
280		126	2011	Bugene	Woodlot	48
281		128	2011	Bugene	Woodlot	76
282		130	2011	Bugene	Woodlot	40
283		131	2011	Bugene	Woodlot	111
284		316	2011	Bugene	Woodlot	46
285		317	2011	Bugene	Woodlot	26
286		328	2011	Bugene	Woodlot	44
287		329	2011	Bugene	Woodlot	68
288		340	2011	Bugene	Woodlot	154
289		355	2011	Bugene	Woodlot	47
290		136	2011	Bugene	Woodlot	22
291		137	2011	Bugene	D. Interplanting	14
292		138	2011	Bugene	Woodlot	50
293		142	2011	Bugene	Woodlot	58
294		143	2011	Bugene	D. Interplanting	19
295		144	2011	Bugene	D. Interplanting	19
296		146	2011	Bugene	D. Interplanting	33
297		149	2011	Bugene	Woodlot	31
298		150	2011	Bugene	Woodlot	23
299		151	2011	Bugene	D. Interplanting & WD	94
300		153	2011	Bugene	B. Planting	12
301		301	2011	Bugene	Woodlot	22
302		302	2011	Bugene	Woodlot	90
303		158	2011	Bugene	Woodlot	27
304		161	2011	Bugene	B. Planting	30
305		163	2011	Bugene	B. Planting	12
306		164	2011	Bugene	Woodlot & B. Planting	47
307		166	2011	Bugene	Woodlot	20
308		167	2011	Bugene	Woodlot	68
309		168	2011	Bugene	Woodlot	98
310		170	2011	Bugene	Woodlot	22
311		174	2011	Bugene	Woodlot	63
312		176	2011	Bugene	Woodlot & B. Planting	72
313		178	2011	Bugene	B. Planting & WD	62

314		179	2011	Bugene	B. Planting	30
315		180	2011	Bugene	Woodlot	17
316		181	2011	Bugene	B. Planting	19
317		303	2011	Bugene	B. Planting, WD	100
318		304	2011	Bugene	Woodlot	53
319		305	2011	Bugene	B. Planting	15
320		354	2011	Bugene	Woodlot	16
321		203	2011	Bugene	B. Planting	18
322		204	2011	Bugene	Woodlot	34
323		206	2011	Bugene	B. Planting	30
324		182	2011	Bugene	Woodlot	30
325		183	2011	Bugene	B. Planting	21
326		184	2011	Bugene	B. Planting	17
327		185	2011	Bugene	Woodlot	34
328		186	2011	Bugene	D. Interplanting	99
329		187	2011	Bugene	Woodlot	25
330		188	2011	Bugene	Woodlot & B. Planting	50
331		190	2011	Bugene	B. Planting	27
332		191	2011	Bugene	Woodlot	92
333		192	2011	Bugene	Woodlot	22
334		195	2011	Bugene	Woodlot	56
335		196	2011	Bugene	Woodlot	57
336		197	2011	Bugene	B. Planting	36
337		198	2011	Bugene	B. Planting	20
338		199	2011	Bugene	WD & B. Planting	108
339		200	2011	Bugene	Woodlot	34
340		201	2011	Bugene	B. Planting	17
341		193	2011	Bugene	Woodlot	17
342		207	2011	Bugene	Woodlot	26
343		210	2011	Bugene	Woodlot	109
344		211	2011	Bugene	B. Planting	11
345		212	2011	Bugene	Woodlot	61
346		213	2011	Bugene	B. Planting	19
347		214	2011	Bugene	D. Interplanting	14
348		215	2011	Bugene	Woodlot	25
349		217	2011	Bugene	Woodlot	22
350		218	2011	Bugene	Woodlot	91
351		219	2011	Bugene	Woodlot	15
352		222	2011	Bugene	Woodlot	25
353		224	2011	Bugene	Woodlot	60

354		227	2011	Bugene	Woodlot	63
355		339	2011	Bugene	Woodlot & B. Planting	86
356		342	2011	Bugene	Woodlot	101
357		350	2011	Bugene	Woodlot	193
358		229	2011	Bugene	Woodlot	87
359		230	2011	Bugene	Woodlot	21
360		231	2011	Bugene	Woodlot	25
361		233	2011	Bugene	B. Planting	36
362		234	2011	Bugene	Woodlot	35
363		235	2011	Bugene	Fruit Orchard	1
364		236	2011	Bugene	Woodlot	49
365		237	2011	Bugene	Woodlot	67
366		238	2011	Bugene	Woodlot	64
367		240	2011	Bugene	Woodlot	185
368		306	2011	Bugene	Woodlot	39
369		323	2011	Bugene	Woodlot	16
370		264	2011	Bugene	B. Planting	24
371		265	2011	Bugene	D. Interplanting	10
372		266	2011	Bugene	B. Planting	25
373		267	2011	Bugene	B. Planting	19
374		268	2011	Bugene	Woodlot	81
375		269	2011	Bugene	Woodlot	45
376		270	2011	Bugene	Woodlot	65
377		272	2011	Bugene	Woodlot	165
378		274	2011	Bugene	B. Planting & FO	17
379		275	2011	Bugene	Woodlot	47
380		276	2011	Bugene	Woodlot	142
381		281	2011	Bugene	B. Planting	51
382		282	2011	Bugene	B. Planting	23
383		284	2011	Bugene	B. Planting & WD	86
384		242	2011	Bugene	Woodlot	50
385		243	2011	Bugene	Woodlot & FO	71
386		244	2011	Bugene	Woodlot	47
387		245	2011	Bugene	B. Planting & WD	41
388		248	2011	Bugene	Woodlot	42
389		249	2011	Bugene	Woodlot	89
390		251	2011	Bugene	Woodlot	128
391		252	2011	Bugene	Woodlot	29
392		253	2011	Bugene	B. Planting	26
393		255	2011	Bugene	B. Planting	29

394		256	2011	Bugene	Woodlot	31
395		258	2011	Bugene	Woodlot & B. Planting	34
396		307	2011	Bugene	Woodlot	49
397		310	2011	Bugene	Woodlot	40
398		311	2011	Bugene	Woodlot	29
399		312	2011	Bugene	Woodlot & B. Planting	49
400		313	2011	Bugene	B. Planting	26
401		356	2011	Bugene	Woodlot	40
402		357	2011	Bugene	Woodlot	52
403		358	2011	Bugene	B. Planting	32
404		359	2011	Bugene	Woodlot	19
405		360	2011	Bugene	WD & B. Planting	77
406		361	2011	Bugene	B. Planting	25
407		362	2011	Bugene	B. Planting & WD	26
408		363	2011	Bugene	Woodlot	79
409		364	2011	Bugene	Woodlot	29
410		285	2011	Bugene	Woodlot	31
411		286	2011	Bugene	Woodlot	59
412		287	2011	Bugene	Woodlot	27
413		288	2011	Bugene	Woodlot	35
414		289	2011	Bugene	Woodlot	47
415		290	2011	Bugene	Woodlot	70
416		318	2011	Bugene	Woodlot	25
417		344	2011	Bugene	Woodlot	174
418		336	2011	Bugene	Woodlot	68
419		337	2011	Bugene	Woodlot	154
420		365	2011	Bugene	Woodlot	43
421		366	2011	Bugene	Woodlot	31
422		295	2011	Bugene	Woodlot	50
423		296	2011	Bugene	Woodlot	54
424		297	2011	Bugene	Woodlot & FO	58
425		298	2011	Bugene	B. Planting	53
426		299	2011	Bugene	Woodlot	231
427		300	2011	Bugene	Woodlot	44
428		320	2011	Bugene	Woodlot	42
429		321	2011	Bugene	D. Interplanting & B. Planting	76
430		250	2011	Bugene	Woodlot	37
431		345	2011	Bugene	B. Planting	35
432		346	2011	Bugene	Woodlot	56

433		347	2011	Bugene	WD & B. Planting	175
434		348	2011	Bugene	B. Planting	13
435		349	2011	Bugene	Woodlot	228
436		156	2011	Bugene	B. Planting & D. Interplanting	21
437		121	2011	Bugene	Woodlot	85
438		157	2011	Bugene	Woodlot	27
439		155	2011	Bugene	Woodlot	131
440		159	2011	Bugene	D. Interplanting	8
441		332	2011	Bugene	Woodlot	210
442		371	2015	Bugene	D. Interplanting	27
			2015	Bugene	B. Planting	19
443		372	2015	Bugene	B. Planting	31
444		373	2015	Bugene	Woodlot	472
445		374	2015	Bugene	Woodlot	117
446		375	2015	Bugene	Woodlot	64
447		376	2015	Bugene	Woodlot	72
448		377	2015	Bugene	Woodlot	701
449		378	2015	Bugene	Woodlot	83
450		379	2015	Bugene	Woodlot	70
451		380	2015	Bugene	Woodlot	92
452		381	2015	Bugene	Woodlot	42
453		382	2015	Bugene	B. Planting	25
454		383	2015	Bugene	Woodlot	135
455		384	2015	Bugene	Woodlot	65
456		385	2015	Bugene	B. Planting	9
457		386	2015	Bugene	D. Interplanting	10
458		387	2015	Bugene	B. Planting	50
459		388	2015	Bugene	Woodlot	53
460		389	2015	Bugene	Woodlot	149
461		390	2015	Bugene	Woodlot	10
462		391	2015	Bugene	B. Planting	17
463		392	2015	Bugene	B. Planting	6
464		393	2015	Bugene	B. Planting	22
465		394	2015	Bugene	B. Planting	12
466		395	2015	Bugene	B. Planting	12
467		396	2015	Bugene	B. Planting	22
468		397	2015	Bugene	Woodlot	20
469		398	2015	Bugene	B. Planting	9
470		399	2015	Bugene	B. Planting	23

471		400	2015	Bugene	D. Interplanting	9
472		401	2015	Bugene	B. Planting	34
473		402	2015	Bugene	Woodlot	51
474		403	2015	Bugene	B. Planting	27
475		404	2015	Bugene	B. Planting	36
476		405	2015	Bugene	B. Planting	16
477		406	2015	Bugene	B. Planting	12
		406	2015	Bugene	D. Interplanting	59
478		407	2015	Bugene	Woodlot	302
479		408	2015	Bugene	Woodlot	59
480		409	2015	Bugene	Woodlot	54
481		410	2015	Bugene	Fruit Orchard	16
482		411	2015	Bugene	Fruit Orchard	38
483		412	2015	Bugene	Woodlot	122
484		413	2015	Bugene	Woodlot	152
485		414	2015	Bugene	Woodlot	125
486		415	2015	Bugene	Woodlot	75
487		416	2015	Bugene	Woodlot	58
488		417	2015	Bugene	Woodlot	39
489		418	2015	Bugene	B. Planting	78
490		419	2015	Bugene	Woodlot	39
491		421	2015	Bugene	B. Planting	38
492		422	2015	Bugene	D. Interplanting	29
493		423	2015	Bugene	Woodlot	22
494		424	2015	Bugene	D. Interplanting	43
			2015	Bugene	Woodlot	25
495		425	2015	Bugene	Woodlot	30
496		426	2015	Bugene	Woodlot	60
497		427	2016	Bugene	D. Interplanting	80
498		428	2016	Bugene	D. Interplanting	103
499		429	2016	Bugene	Woodlot	36
500		430	2016	Bugene	D. Interplanting	46
501		431	2016	Bugene	D. Interplanting	23
502		432	2016	Bugene	D. Interplanting	14
503		433	2016	Bugene	D. Interplanting	67
504		434	2016	Bugene	B. Planting	56
505		435	2016	Bugene	Woodlot	32
506		436	2016	Bugene	B. Planting	20
507		437	2016	Bugene	Woodlot	39
508		438	2016	Bugene	B. Planting	13

509		439	2016	Bugene	D. Interplanting	26
510		440	2016	Bugene	Woodlot	29
511		441	2016	Bugene	Woodlot	55
512		442	2016	Bugene	Woodlot	184
513		443	2018	Bugene	D. Interplanting	283
		443	2018	Bugene	B. Planting	54
514		444	2018	Bugene	Woodlot	486
		444	2018	Bugene	B. Planting	52
515		445	2018	Bugene	B. Planting	34
516		446	2018	Bugene	Woodlot	67
517		447	2018	Bugene	Woodlot	79
		447	2018	Bugene	B. Planting	26
518		448	2018	Bugene	Woodlot	240
519		449	2018	Bugene	B. Planting	24
520		450	2018	Bugene	B. Planting	18
521		451	2018	Bugene	Woodlot	41
522		452	2018	Bugene	Woodlot	124
523		453	2018	Bugene	Woodlot	20
524		454	2018	Bugene	B. Planting	27
525		455	2018	Bugene	Woodlot	153
526		456	2018	Bugene	Woodlot	166
527		457	2018	Bugene	Woodlot	38
528		458	2018	Bugene	B. Planting	25
529		459	2018	Bugene	Woodlot	198
530		460	2018	Bugene	B. Planting	37
531		461	2018	Bugene	B. Planting	69
532		462	2018	Bugene	D. Interplanting	79
533		463	2018	Bugene	Woodlot	49
534		464	2018	Bugene	B. Planting	26
535		465	2018	Bugene	B. Planting	9
536		466	2018	Bugene	Woodlot	80
537		2	2011	Kaisho	D. Interplantingspersed Interplanting	18
538		31	2011	Kaisho	Woodlot	29
539		44	2011	Kaisho	Woodlot	177
540		71	2011	Kaisho	Woodlot	112
541		87	2011	Kaisho	Woodlot	61
542		91	2011	Kaisho	D. Interplantingspersed Interplanting	23
543		128	2011	Kaisho	Woodlot	38

544		131	2011	Kaisho	Woodlot	23
545		146	2011	Kaisho	Woodlot	84
546		147	2011	Kaisho	Woodlot	69
547		150	2011	Kaisho	Woodlot	56
548		152	2011	Kaisho	Woodlot	135
549		153	2011	Kaisho	Woodlot	47
550		154	2011	Kaisho	Woodlot	74
551		159	2011	Kaisho	Woodlot	135
552		473	2011	Kaisho	B. Planting	17
553		474	2011	Kaisho	Woodlot	52
554		475	2011	Kaisho	Woodlot	43
555		477	2011	Kaisho	B. Planting	18
556		485	2011	Kaisho	B. Planting	25
557		26	2011	Kaisho	D. Interplantingspersed Interplanting	23
558		35	2011	Kaisho	D. Interplantingspersed Interplanting	22
559		38	2011	Kaisho	D. Interplantingspersed Interplanting	35
560		42	2011	Kaisho	Woodlot	37
561		80	2011	Kaisho	Woodlot	118
562		81	2011	Kaisho	D. Interplantingspersed Interplanting	11
563		82	2011	Kaisho	Woodlot & D. Interplanting	34
564		96	2011	Kaisho	B. Planting & WD	41
565		102	2011	Kaisho	Woodlot	64
566		104	2011	Kaisho	Woodlot	38
567		113	2011	Kaisho	Woodlot	133
568		140	2011	Kaisho	B. Planting	13
569		33	2011	Kaisho	Woodlot	85
570		39	2011	Kaisho	Woodlot	224
571		46	2011	Kaisho	Woodlot	58
572		50	2011	Kaisho	D. Interplantingspersed Interplanting	52
573		53	2011	Kaisho	Woodlot	93
574		70	2011	Kaisho	B. Planting	25
575		72	2011	Kaisho	Woodlot	41
576		75	2011	Kaisho	D. Interplantingspersed Interplanting	22
577		77	2011	Kaisho	Woodlot	57

578		111	2011	Kaisho	Woodlot	56
579		141	2011	Kaisho	Woodlot	31
580		420	2011	Kaisho	Woodlot	111
581		479	2011	Kaisho	Woodlot	41
582		136	2011	Kaisho	Woodlot	67
583		64	2011	Kaisho	Woodlot	16
584		41	2011	Kaisho	B. Planting & WD	114
585		56	2011	Kaisho	B. Planting	25
586		79	2011	Kaisho	Woodlot	30
587		92	2011	Kaisho	D. Interplantingspersed Interplanting	25
588		97	2011	Kaisho	Woodlot	37
589		105	2011	Kaisho	Woodlot	70
590		106	2011	Kaisho	Woodlot	72
591		116	2011	Kaisho	Woodlot	44
592		118	2011	Kaisho	D. Interplantingspersed Interplanting	37
593		142	2011	Kaisho	Woodlot	52
594		144	2011	Kaisho	Woodlot	67
595		95	2011	Kaisho	Woodlot	99
596		106	2011	Kaisho	B. Planting	26
597		90	2011	Kaisho	Woodlot	52
598		34	2011	Kaisho	Woodlot	148
599		24	2011	Kaisho	Woodlot	56
600		59	2011	Kaisho	B. Planting	20
601		61	2011	Kaisho	Woodlot	27
602		129	2011	Kaisho	Woodlot	56
603		133	2011	Kaisho	D. Interplanting & B. Planting	90
604		135	2011	Kaisho	Woodlot	169
605		76	2011	Kaisho	B. Planting	16
606		63	2011	Kaisho	Woodlot	34
607		160	2011	Kaisho	B. Planting	31
608		167	2011	Kaisho	Woodlot	44
609		169	2011	Kaisho	Woodlot	18
610		170	2011	Kaisho	B. Planting	32
611		171	2011	Kaisho	B. Planting	20
612		172	2011	Kaisho	B. Planting	39
613		173	2011	Kaisho	WD & D. Interplanting	58
614		174	2011	Kaisho	B. Planting	17

615		175	2011	Kaisho	Woodlot	39
616		176	2011	Kaisho	D. Interplantingspersed Interplanting	27
617		177	2011	Kaisho	B. Planting & WD	43
618		181	2011	Kaisho	Woodlot & B. Planting	99
619		182	2011	Kaisho	B. Planting	19
620		184	2011	Kaisho	Woodlot	41
621		185	2011	Kaisho	B. Planting & WD	95
622		188	2011	Kaisho	Woodlot	75
623		192	2011	Kaisho	D. Interplantingspersed Interplanting	34
624		193	2011	Kaisho	Woodlot	24
625		452	2011	Kaisho	D. Interplanting & B. Planting	51
626		455	2011	Kaisho	D. Interplanting & B. Planting	78
627		456	2011	Kaisho	D. Interplanting & B. Planting	53
628		480	2011	Kaisho	B. Planting	41
629		482	2011	Kaisho	WD & D. Interplanting	21
630		487	2011	Kaisho	B. Planting	49
631		488	2011	Kaisho	D. Interplanting & B. Planting	49
632		202	2011	Kaisho	D. Interplanting & B. Planting	127
633		205	2011	Kaisho	Woodlot & B. Planting	56
634		206	2011	Kaisho	D. Interplantingspersed Interplanting	49
635		207	2011	Kaisho	D. Interplantingspersed Interplanting	63
636		180	2011	Kaisho	B. Planting	27
637		218	2011	Kaisho	B. Planting	27
638		219	2011	Kaisho	D. Interplantingspersed Interplanting	46
639		221	2011	Kaisho	Woodlot	40
640		222	2011	Kaisho	Woodlot & B. Planting	93
641		220	2011	Kaisho	Woodlot	29
642		225	2011	Kaisho	B. Planting	26
643		232	2011	Kaisho	D. Interplantingspersed Interplanting	42

644		234	2011	Kaisho	B. Planting	29
645		235	2011	Kaisho	D. Interplantingspersed Interplanting	48
646		237	2011	Kaisho	D. Interplantingspersed Interplanting	14
647		238	2011	Kaisho	Woodlot	112
648		247	2011	Kaisho	Woodlot	22
649		248	2011	Kaisho	B. Planting	25
650		251	2011	Kaisho	D. Interplantingspersed Interplanting	17
651		257	2011	Kaisho	Woodlot	113
652		258	2011	Kaisho	Woodlot	202
653		259	2011	Kaisho	Woodlot	64
654		262	2011	Kaisho	Woodlot	77
655		266	2011	Kaisho	WD & B. Planting	74
656		268	2011	Kaisho	Woodlot	63
657		279	2011	Kaisho	Woodlot	52
658		280	2011	Kaisho	Woodlot	75
659		281	2011	Kaisho	D. Interplantingspersed Interplanting	14
660		282	2011	Kaisho	Woodlot	89
661		283	2011	Kaisho	Woodlot	112
662		287	2011	Kaisho	Woodlot	63
663		296	2011	Kaisho	Woodlot	87
664		297	2011	Kaisho	Woodlot	36
665		469	2011	Kaisho	B. Planting	18
666		470	2011	Kaisho	B. Planting	11
667		471	2011	Kaisho	Woodlot	40
668		272	2011	Kaisho	Woodlot	75
669		307	2011	Kaisho	D. Interplantingspersed Interplanting	39
670		308	2011	Kaisho	Woodlot & B. Planting	146
671		311	2011	Kaisho	Woodlot	42
672		312	2011	Kaisho	B. Planting	118
673		314	2011	Kaisho	Woodlot	28
674		315	2011	Kaisho	Woodlot	93
675		316	2011	Kaisho	D. Interplantingspersed Interplanting	20
676		317	2011	Kaisho	Woodlot	98
677		319	2011	Kaisho	Woodlot	42

678		320	2011	Kaisho	Woodlot & B. Planting	158
679		321	2011	Kaisho	Woodlot	52
680		323	2011	Kaisho	B. Planting	34
681		325	2011	Kaisho	B. Planting	22
682		305	2011	Kaisho	B. Planting	37
683		435	2011	Kaisho	B. Planting	15
684		436	2011	Kaisho	B. Planting	23
685		437	2011	Kaisho	D. Interplanting & B. Planting	34
686		442	2011	Kaisho	B. Planting	42
687		443	2011	Kaisho	D. Interplanting & B. Planting	42
688		449	2011	Kaisho	Woodlot	88
689		451	2011	Kaisho	D. Interplantingspersed Interplanting	14
690		484	2011	Kaisho	WD & B. Planting	117
691		495	2011	Kaisho	Woodlot	24
692		496	2011	Kaisho	Woodlot	218
693		329	2011	Kaisho	D. Interplantingspersed Interplanting	27
694		331	2011	Kaisho	Woodlot	38
695		335	2011	Kaisho	Woodlot	685
696		336	2011	Kaisho	Woodlot	57
697		337	2011	Kaisho	Woodlot	47
698		341	2011	Kaisho	Woodlot	64
699		342	2011	Kaisho	Woodlot	49
700		344	2011	Kaisho	Woodlot	56
701		346	2011	Kaisho	B. Planting	23
702		347	2011	Kaisho	Woodlot	28
703		350	2011	Kaisho	Woodlot	24
704		352	2011	Kaisho	B. Planting	20
705		357	2011	Kaisho	Woodlot	170
706		358	2011	Kaisho	WD & B. Planting	107
707		360	2011	Kaisho	B. Planting	20
708		361	2011	Kaisho	B. Planting	7
709		363	2011	Kaisho	Woodlot & B. Planting	76
710		365	2011	Kaisho	D. Interplanting & B. Planting	109
711		366	2011	Kaisho	D. Interplanting, B. Planting & WD	57

712		368	2011	Kaisho	Woodlot	227
713		370	2011	Kaisho	B. Planting & WD	103
714		432	2011	Kaisho	WD & B. Planting	83
715		372	2011	Kaisho	B. Planting	21
716		465	2011	Kaisho	B. Planting	17
717		466	2011	Kaisho	B. Planting	21
718		467	2011	Kaisho	B. Planting	10
719		468	2011	Kaisho	B. Planting	17
720		374	2011	Kaisho	Woodlot	61
721		375	2011	Kaisho	Woodlot	158
722		377	2011	Kaisho	D. Interplantingspersed Interplanting	24
723		378	2011	Kaisho	B. Planting	32
724		381	2011	Kaisho	D. Interplantingspersed Interplanting	39
725		384	2011	Kaisho	D. Interplantingspersed Interplanting	22
726		387	2011	Kaisho	Woodlot	72
727		388	2011	Kaisho	D. Interplantingspersed Interplanting	20
728		391	2011	Kaisho	Woodlot	118
729		392	2011	Kaisho	Woodlot	39
730		393	2011	Kaisho	B. Planting	18
731		394	2011	Kaisho	Woodlot	38
732		399	2011	Kaisho	Woodlot & B. Planting	196
733		401	2011	Kaisho	D. Interplantingspersed Interplanting	37
734		402	2011	Kaisho	D. Interplantingspersed Interplanting	20
735		404	2011	Kaisho	D. Interplanting & B. Planting	35
736		426	2011	Kaisho	D. Interplanting & WD	45
737		444	2011	Kaisho	Woodlot & B. Planting	231
738		445	2011	Kaisho	D. Interplanting & B. Planting	66
739		461	2011	Kaisho	Woodlot	74
740		463	2011	Kaisho	B. Planting	26
741		389	2011	Kaisho	B. Planting	29
742		373	2011	Kaisho	Woodlot	32
743		408	2011	Kaisho	Woodlot	215

744		411	2011	Kaisho	Woodlot & B. Planting	162
745		413	2011	Kaisho	Woodlot	59
746		427	2011	Kaisho	D. Interplantingspersed Interplanting	33
747		428	2011	Kaisho	Woodlot	124
748		429	2011	Kaisho	Woodlot	103
749		430	2011	Kaisho	Woodlot	99
750		438	2011	Kaisho	Woodlot	60
751		439	2011	Kaisho	B. Planting & D. Interplanting	31
752		446	2011	Kaisho	Woodlot	81
753		459	2011	Kaisho	B. Planting	10
754		489	2011	Kaisho	B. Planting	25
755		490	2011	Kaisho	WD & B. Planting	210
756		493	2011	Kaisho	Woodlot	158
757		498	2011	Kaisho	WD & B. Planting	78
758		364	2011	Kaisho	WD & B. Planting	255
759		52	2011	Kaisho	WD & B. Planting	117
760		318	2011	Kaisho	Woodlot	406
761		369	2011	Kaisho	Woodlot	511
762		300	2011	Kaisho	Woodlot	557
763		491	2011	Kaisho	D. Interplanting & B. Planting	40
764		414	2011	Kaisho	Woodlot	68
765		501	2015	Kaisho	D. Interplantingspersed Interplanting	48
		501	2015	Kaisho	B. Planting	27
766		502	2015	Kaisho	B. Planting	35
767		503	2015	Kaisho	Woodlot	48
768		504	2015	Kaisho	Woodlot	27
769		505	2015	Kaisho	Woodlot	25
		505	2015	Kaisho	B. Planting	26
770		506	2015	Kaisho	B. Planting	30
771		507	2015	Kaisho	B. Planting	20
772		508	2015	Kaisho	Woodlot	96
773		509	2015	Kaisho	B. Planting	39
774		510	2015	Kaisho	B. Planting	37
775		511	2015	Kaisho	Fruit Orchard	4
776		512	2015	Kaisho	B. Planting	16
777		513	2015	Kaisho	Fruit Orchard	3

778		514	2015	Kaisho	Woodlot	108
		514	2015	Kaisho	B. Planting	68
779		515	2015	Kaisho	D. Interplantingspersed Interplanting	32
780		516	2016	Kaisho	D. Interplanting	16
781		517	2016	Kaisho	B. Planting	18
782		518	2016	Kaisho	B. Planting	14
783		519	2016	Kaisho	Woodlot	95
784		520	2016	Kaisho	D. Interplanting	20
		520	2016	Kaisho	B. Planting	15
785		521	2016	Kaisho	Woodlot	19
786		522	2016	Kaisho	B. Planting	26
787		523	2016	Kaisho	D. Interplanting	27
		523	2016	Kaisho	B. Planting	16
788		524	2016	Kaisho	D. Interplanting	48
		524	2016	Kaisho	B. Planting	21
789		525	2016	Kaisho	B. Planting	21
790		526	2016	Kaisho	B. Planting	32
791		527	2016	Kaisho	B. Planting	19
792		528	2016	Kaisho	Woodlot	49
793		529	2016	Kaisho	D. Interplanting	9
		529	2016	Kaisho	Woodlot	24
794		530	2016	Kaisho	Woodlot	33
795		531	2016	Kaisho	D. Interplanting	96
796		532	2016	Kaisho	Woodlot	43
797		533	2016	Kaisho	Woodlot	77
798		534	2016	Kaisho	D. Interplanting	11
799		535	2016	Kaisho	B. Planting	21
800		536	2016	Kaisho	B. Planting	24
801		537	2016	Kaisho	B. Planting	17
802		538	2016	Kaisho	Woodlot	47
803		539	2016	Kaisho	Woodlot	98
804		540	2018	Kaisho	B. Planting	18
805		541	2018	Kaisho	B. Planting	18
806		542	2018	Kaisho	B. Planting	17
807		543	2018	Kaisho	Woodlot	122
808		544	2018	Kaisho	D. Interplanting	68
809		545	2018	Kaisho	B. Planting	24
810		546	2018	Kaisho	B. Planting	21
811		547	2018	Kaisho	B. Planting	39

812		548	2018	Kaisho	Woodlot	192
813		549	2018	Kaisho	Woodlot	45
814		550	2018	Kaisho	Woodlot	42
815		551	2018	Kaisho	B. Planting	25
816		552	2018	Kaisho	B. Planting	38
817		553	2018	Kaisho	B. Planting	29
818		554	2018	Kaisho	Woodlot	91
819		555	2018	Kaisho	Woodlot	55
820		556	2018	Kaisho	B. Planting	22
821		557	2018	Kaisho	Woodlot	138
822		558	2018	Kaisho	Woodlot	**203**
823		559	2018	Kaisho	Woodlot	87
824		560	2018	Kaisho	B. Planting	24
825		562	2018	Kaisho	B. Planting	33
826		563	2018	Kaisho	B. Planting	37
827		25	2018	Nyabiyonza	B. Planting	18
828		27	2018	Nyabiyonza	Woodlot	357
829		28	2018	Nyabiyonza	D. Interplanting	16
830		29	2018	Nyabiyonza	B. Planting	41
831		26	2018	Nyabiyonza	Woodlot	188
		26	2018	Nyabiyonza	B. Planting	28
832		37	2018	Nyabiyonza	F. Orchard	10
833		30	2018	Nyabiyonza	Woodlot	13
834		31	2018	Nyabiyonza	Woodlot	82
835		34	2018	Nyabiyonza	Woodlot	32
836		33	2018	Nyabiyonza	Woodlot	32
837		35	2018	Nyabiyonza	Woodlot	111
838		36	2018	Nyabiyonza	Woodlot	67
839		32	2018	Nyabiyonza	Woodlot	211
840		38	2019	Nyabiyonza	B. Planting	18
841		39	2019	Nyabiyonza	B. Planting	12
842		40	2019	Nyabiyonza	B. Planting	15
843		41	2019	Nyabiyonza	B. Planting	23
844		42	2019	Nyabiyonza	B. Planting	11
845		43	2019	Nyabiyonza	B. Planting	20
846		44	2019	Nyabiyonza	B. Planting	32
847		45	2019	Nyabiyonza	B. Planting	12
848		46	2019	Nyabiyonza	B. Planting	40
		46	2019	Nyabiyonza	Woodlot	47
849		47	2019	Nyabiyonza	B. Planting	23

850		48	2019	Nyabiyonza	B. Planting	27
851		49	2019	Nyabiyonza	Woodlot	48
852		50	2019	Nyabiyonza	Woodlot	116
853		51	2019	Nyabiyonza	Woodlot	33
854		52	2019	Nyabiyonza	Woodlot	40
855		53	2019	Nyabiyonza	Woodlot	1579
856		54	2019	Nyabiyonza	Woodlot	147
857		55	2019	Nyabiyonza	Woodlot	31
858		56	2019	Nyabiyonza	Woodlot	231
		56	2019	Nyabiyonza	B. Planting	19
859		57	2019	Nyabiyonza	Woodlot	204
860		58	2019	Nyabiyonza	Woodlot	73
861		59	2019	Nyabiyonza	Woodlot	217
862		60	2019	Nyabiyonza	B. Planting	44
863		61	2019	Nyabiyonza	Woodlot	101
864		62	2019	Nyabiyonza	Woodlot	78
865		63	2019	Nyabiyonza	Woodlot	247
		63	2019	Nyabiyonza	B. Planting	15
866		64	2019	Nyabiyonza	Woodlot	73
867		65	2019	Nyabiyonza	Woodlot	176
868		66	2019	Nyabiyonza	Woodlot	78
		66	2019	Nyabiyonza	B. Planting	19
869		67	2019	Nyabiyonza	B. Planting	31
870		68	2019	Nyabiyonza	Woodlot	43
		68	2019	Nyabiyonza	B. Planting	14
871		69	2019	Nyabiyonza	B. Planting	69
872		70	2019	Nyabiyonza	Woodlot	48
873		71	2019	Nyabiyonza	B. Planting	35
874		72	2019	Nyabiyonza	B. Planting	37
875		74	2019	Nyabiyonza	Woodlot	512
876		75	2019	Nyabiyonza	B. Planting	9
877		76	2019	Nyabiyonza	B. Planting	41
		76	2019	Nyabiyonza	Woodlot	87
878		77	2019	Nyabiyonza	B. Planting	30
879		78	2019	Nyabiyonza	B. Planting	27
880		79	2019	Nyabiyonza	Woodlot	49
881		80	2019	Nyabiyonza	Woodlot	47
882		81	2019	Nyabiyonza	B. Planting	28

883		82	2019	Nyabiyonza	Woodlot	126
884		83	2019	Nyabiyonza	Woodlot	6
		83	2019	Nyabiyonza	B. Planting	22
885		84	2019	Nyabiyonza	Woodlot	232
		84	2019	Nyabiyonza	B. Planting	57
		84	2019	Nyabiyonza	D. Interplanting	170
886		85	2019	Nyabiyonza	Woodlot	27
		85	2019	Nyabiyonza	B. Planting	17
887		86	2019	Nyabiyonza	D. Interplanting	28
888		87	2019	Nyabiyonza	B. Planting	14
889		88	2019	Nyabiyonza	Woodlot	679
		88	2019	Nyabiyonza	B. Planting	69
890		89	2019	Nyabiyonza	Woodlot	29
891		90	2019	Nyabiyonza	B. Planting	25
892		91	2019	Nyabiyonza	B. Planting	34
893		92	2019	Nyabiyonza	Woodlot	23
894		93	2019	Nyabiyonza	Woodlot	339
895		94	2019	Nyabiyonza	B. Planting	21
896		95	2019	Nyabiyonza	Woodlot	263
897		96	2019	Nyabiyonza	Woodlot	832
898		73	2019	Nyabiyonza	Woodlot	19
		73	2019	Nyabiyonza	D. Interplanting	13
		73	2019	Nyabiyonza	B. Planting	13
899		310	2019	Nyaishozi	Woodlot	497
900		311	2019	Nyaishozi	Woodlot	211
901		312	2019	Nyaishozi	Woodlot	170
902		313	2019	Nyaishozi	Woodlot	801
903		314	2019	Nyaishozi	Woodlot	104
904		315	2019	Nyaishozi	Woodlot	259
905		316	2019	Nyaishozi	Woodlot	33
906		317	2019	Nyaishozi	Woodlot	29
907		318	2019	Nyaishozi	Woodlot	99
908		319	2019	Nyaishozi	Woodlot	44
909		320	2019	Nyaishozi	Woodlot	97
910		321	2019	Nyaishozi	Woodlot	154
911		322	2019	Nyaishozi	B. Planting	14
912		323	2019	Nyaishozi	Woodlot	740
913		324	2019	Nyaishozi	Woodlot	50
914		325	2019	Nyaishozi	Woodlot	495
915		326	2019	Nyaishozi	Woodlot	225

916		327	2019	Nyaishozi	Woodlot	67
917		467	2019	Bugene	B. Planting	26
918		468	2019	Bugene	B. Planting	23
919		469	2019	Bugene	Woodlot	345
920		470	2019	Bugene	Woodlot	313
921		471	2019	Bugene	Woodlot	575
922		472	2019	Bugene	Woodlot	545
923		473	2019	Bugene	Woodlot	30
924		474	2019	Bugene	Woodlot	38
		474	2019	Bugene	Woodlot	36
925		475	2019	Bugene	B. Planting	36
926		476	2019	Bugene	Woodlot	309
		476	2019	Bugene	B. Planting	20
927		477	2019	Bugene	B. Planting	27
928		478	2019	Bugene	Woodlot	80
929		479	2019	Bugene	Woodlot	110
930		480	2019	Bugene	D. Interplanting	11
931		481	2019	Bugene	D. Interplanting	30
932		482	2019	Bugene	Woodlot	64
933		483	2019	Bugene	B. Planting	37
934		484	2019	Bugene	B. Planting	23
935		485	2019	Bugene	B. Planting	22
936		486	2019	Bugene	Woodlot	48
937		487	2019	Bugene	B. Planting	17
938		488	2019	Bugene	B. Planting	25
939		489	2019	Bugene	B. Planting	21
940		490	2019	Bugene	B. Planting	14
941		564	2019	Kaisho	B. Planting	19
942		565	2019	Kaisho	Woodlot	93
943		566	2019	Kaisho	Woodlot	112
944		567	2019	Kaisho	B. Planting	24
		567	2019	Kaisho	D. Interplanting	50
945		568	2019	Kaisho	Woodlot	33
946		569	2019	Kaisho	B. Planting	15
947		570	2019	Kaisho	Woodlot	52
948		571	2019	Kaisho	Woodlot	126
949		572	2019	Kaisho	Woodlot	54
950		573	2019	Kaisho	Woodlot	75
951		574	2019	Kaisho	Woodlot	7
952		575	2019	Kaisho	B. Planting	19

953		576	2019	Kaisho	B. Planting	35
954		577	2019	Kaisho	Woodlot	131
955		578	2019	Kaisho	Woodlot	43
956		579	2019	Kaisho	B. Planting	37
		579	2019	Kaisho	D. Interplanting	98
957		580	2019	Kaisho	B. Planting	36
958		581	2019	Kaisho	Woodlot	82
959		582	2019	Kaisho	Woodlot	74
960		583	2019	Kaisho	B. Planting	15
961		584	2019	Kaisho	B. Planting	35
962		585	2019	Kaisho	B. Planting	16
963		586	2019	Kaisho	Woodlot	119
964		587	2019	Kaisho	B. Planting	25
		587	2019	Kaisho	D. Interplanting	63
965		588	2019	Kaisho	B. Planting	11
		588	2019	Kaisho	D. Interplanting	6
966		589	2019	Kaisho	B. Planting	20
		589	2019	Kaisho	D. Interplanting	31
967		590	2019	Kaisho	Woodlot	112
968		591	2019	Kaisho	B. Planting	17
969		593	2019	Kaisho	B. Planting	33
970		594	2019	Kaisho	Woodlot	24
		594	2019	Kaisho	Woodlot	365
971		596	2019	Kaisho	B. Planting	26
972		597	2019	Kaisho	B. Planting	29
973		598	2019	Kaisho	B. Planting	23
974		599	2019	Kaisho	D. Interplanting	31
975		600	2019	Kaisho	B. Planting	20
976		601	2019	Kaisho	D. Interplanting	21
		601	2019	Kaisho	B. Planting	15
977		602	2019	Kaisho	B. Planting	20
978		603	2019	Kaisho	B. Planting	29
979		604	2019	Kaisho	B. Planting	26
980		605	2019	Kaisho	B. Planting	17
981		606	2019	Kaisho	Woodlot	28
982		607	2019	Kaisho	Woodlot	105
983		608	2019	Kaisho	Woodlot	185
984		609	2019	Kaisho	Woodlot	123
985		610	2019	Kaisho	Woodlot	80
986		611	2019	Kaisho	Woodlot	100

987		612	2019	Kaisho	Woodlot	32
988		613	2019	Kaisho	B. Planting	31
989		614	2019	Kaisho	B. Planting	30
990		615	2019	Kaisho	Woodlot	159
991		616	2019	Kaisho	Woodlot	85
992		617	2019	Kaisho	Woodlot	53
		617	2019	Kaisho	Woodlot	65
993		618	2019	Kaisho	B. Planting	13
	Sum					**74447**

Annex 8 – Socioeconomic report

PLAN VIVO 2019 SOCIO-ECONOMIC SURVEY

TABLE OF CONTENT

Acknowledgement

The Monitoring and Evaluation team of Vi Agroforestry Tanzania takes this opportunity to thank all people and staff, including local Government officials from the surveyed areas in Karagwe and Kyerwa Districts, involved in the execution of this survey.

1. Introduction

Vi Agroforestry has undertaken a social-economic survey to the ***Emiti Nibwo Bulora*** project which is a ***Plan Vivo*** project. The survey will measurethe social and economic progress and impact occurred to the community. The survey was carried out based on a Terms Of Reference (ToR) developed prior to the execution of the survey. The survey was undertaken in Karagwe and Kyerwa Districts where this project has been operating for more than eight years, hence possible to observe some of the impact of the project. The survey was conducted internally from 19th to 27th of March 2019 and externally, which included interviews with farmers, from 10th to 14th of February 2020.

It is a Plan Vivo Standard requirement that social, economic, livelihoods and risk assessments are designed, developed, implemented and monitored in Plan Vivo Projects during baseline and after every five (5) years cycle of implementation. However, there was no baseline study conducted at the beginning of this project[9] and in order to track the effectiveness of the project y Vi Agroforestry decided to include control farmers in the study so that it is possible to make . comparison between participating and nonparticipating farmers. The purpose of conducting a socio-economic survey is to demonstrate livelihoods and economic impacts of the ***Emiti Nibwo Bulora*** Project. The project started in 2009 with tree carbon sequestration and carbon credit scheme as per Plan Vivo Standard methodology. The project was to rehabilitate degraded agricultural land, increase tree cover, create climate change awareness and organizing farmers in groups or farmer organizations.

The Emiti Nibwo Bulora project involves small scale farmers, for mitigation of greenhouse gas (GHG) emissions and climate change in Kagera region, in western Tanzania. The project is being undertaken by Vi Agroforestry and has been run under four consecutive programmes; a) Lake Victoria Development Programme (LVDP), b) Regional Environmental and Sustainable Agricultural Productivity Programme (RESAPP) c) Farmer Organizations Agroforestry Programme (FOA) and d) our current programme Agroforestry for Livelihoods Empowerment Programme (ALIVE).

Furthermore, the project has been supporting small scale farmers to learn about and engage in tree planting and other agroforestry activities which contribute to increased soil carbon storage, carbon sequestration in biomass, and delivering other economic and social benefits. The agroforestry systems used are boundary planting, dispersed interplanting, fruit orchards and woodlots.

1.1 Overall objective

The overall objective of this study is to demonstrate positive/negative livelihood and socioeconomic impacts of ***Emiti Nibwo Bulora*** Project.

1.1.1 Specific objective;

1. To determine whether the anticipated social, economic and livelihoods benefits, and impacts are being or will be achieved by the project.

[9] Due to

2. Study Approach and Methodology

The survey has used only primary data. The data were collected using three data collection tools which were:

- a household questionnaire,
- a key informant interview guide and
- A focused group discussion interview guide.

A total of 177 households (***Emiti Nibwo Bulora*** and non ***Emiti Nibwo Bulora*** households) in three divisions, in two districts were sampled. The districts are Karagwe and Kyerwa and the divisions are Nyaishozi, Bugene and Kaisho.

As Key informants, the Smart Farmer and Transformation organization was interviewed. Four Focused groups was interviewed; one group was formed by women, another one was formed by men, the third group was government environmental and agricultural officials involved, and the last group was formed by a mixture of men and women.

The data collection exercise took 15 days whereby two days were used to train the local four enumerators (2 females, 2 men) on data collection tools.

3. Presentation of Survey Findings.

During the survey, a total of 177 households were interviewed whereby 95 were ***Emiti Nibwo Bulora*** and 82 Non-***Emiti Nibwo Bulora*** households. In relation to the land tenure and assets, the survey has recognized that many of the participating farmers have an average land of 8.1 acres while non-particpating farmers have an average of 8.0 acres. In addition to this, many ***Emiti Nibwo Bulora*** farmers have bought land while non- ***Emiti Nibwo Bulora*** farmers have inherited the land. Land is very crucial to small scale farmers for practicing any farming system. When comparing land used for agriculture/livestock production result from the study showed that participating farmers used 61.7% for this purpose while non-participating farmers used 52.5%. During the interviews it was observed that both groups were livestock, for instance, cattle, goats, and chickens, where the average were 2 animals per household.

3.1 Food supply

In the Kagera region, staple food is banana, and it is eaten together with beans, meat and fish. Beans are always available from the farms-Meat and fish are bought from market which means the farmers access to this food depends on their financial situation.

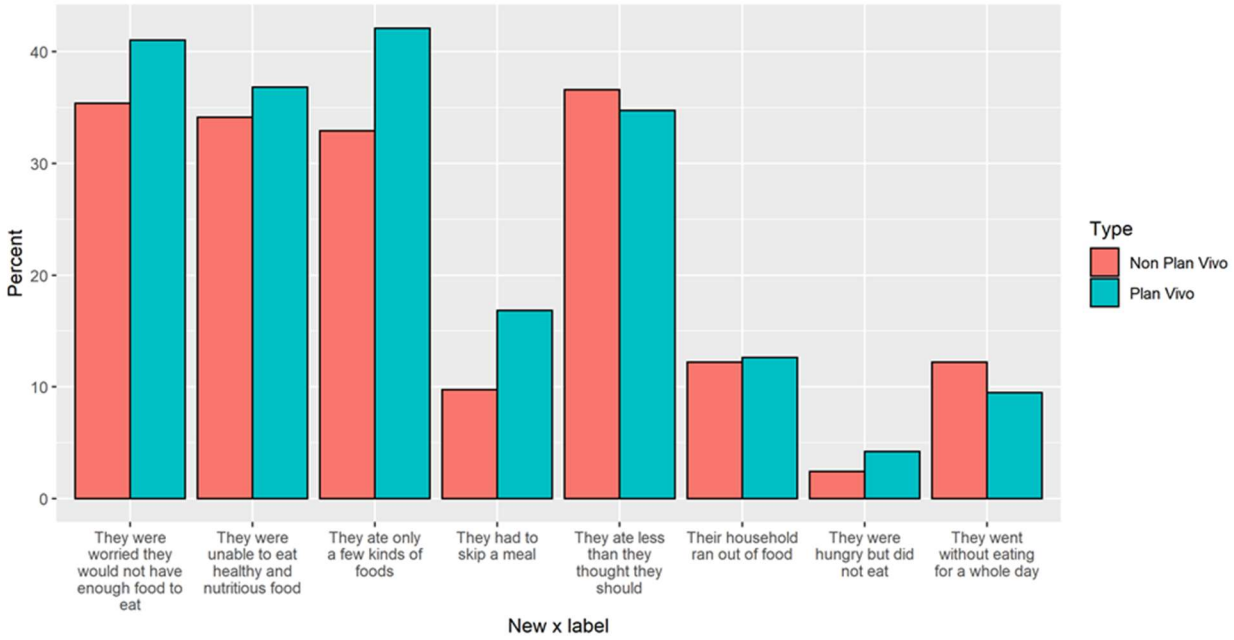
During the study, the farmers was asked questions around their access to diverse and nutritious food. analysis above. The study shows that in general, most of the farmers interviewed for this study do not have shortage of food and was not worried for their access to it.

Looking at the period January 2018 – December 2018 result from the study shows that some participants (around 40 percent) in the project were more worried that they would not have enough food) compared to non-participants. The same participating farmers only ate a few kinds of food compared to non-participating farmers who had a bigger variety of food items. One reason behind this might be that some of the participating farmers[10] did not manage their plots properly, to the extent of causing competition between crop (banana) and trees which lead to poor banana production. The study also shows that famers with woodlots in their early years of establishment (year 1-4 normally

[10] with Dispersed inter-planting and Boundary planting

get surplus from annual crops like maize, cassava, beans, and Irish potatoes. This motivates them to continue on weeding, compared to non-participating farmers.

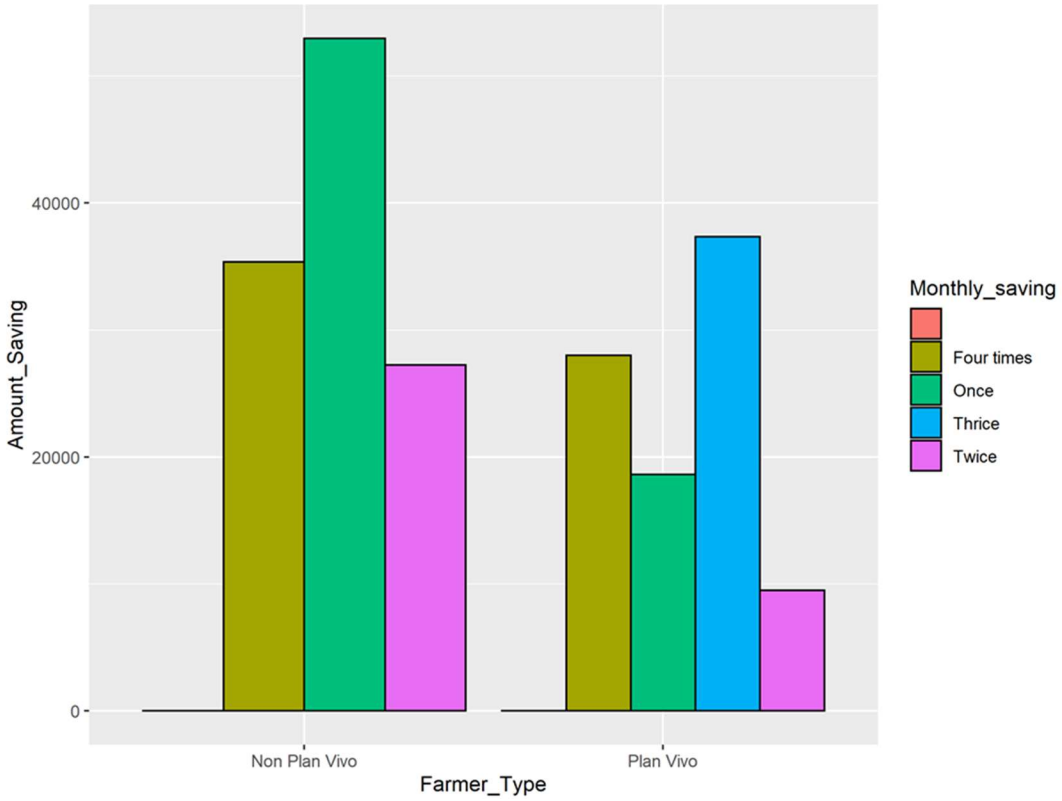
Chart 1: Access to food



3.2 Savings

The study has also examined saving done by participating and non-participating farmers. The types of savings done by farmers in the surveyed areas were both formal and informal. The informal type includes Village Savings and Loans Associations (VSLA), Merry-go-round and table banking while formal one, includes SACCO and registered Banks. Participating farmers are mostly saving under VSLA, having a monthly saving average of Tshs.17,279 per member while non–participating farmers save Tshs.11,475 per month. Under formal, non–participating farmers were saving around Tshs.46,368/month on average per member compared to Tshs.21,432 for participating farmers. The number of savings per month shows how stable the farmers are financially. The analysis shows that most non–Plan Vivo participating were saving regularly with bigger amounts compared to participating farmers who were saving periodically with less money.

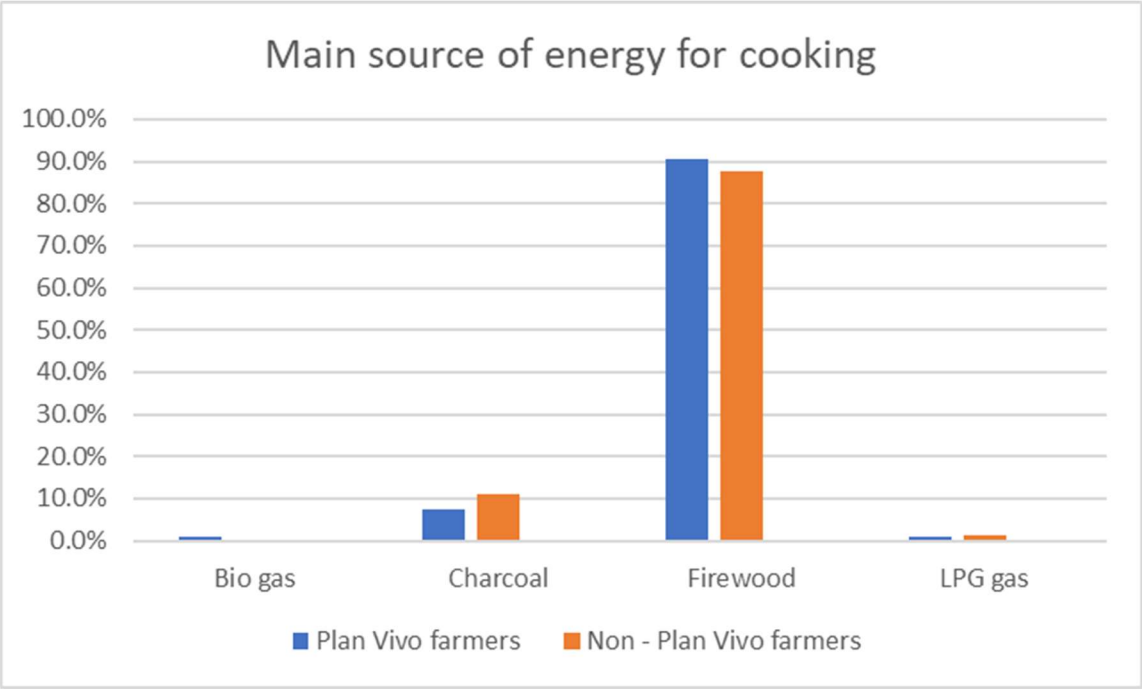
Chart 2: Monthly savings through the VSLA



3.3 Use of energy

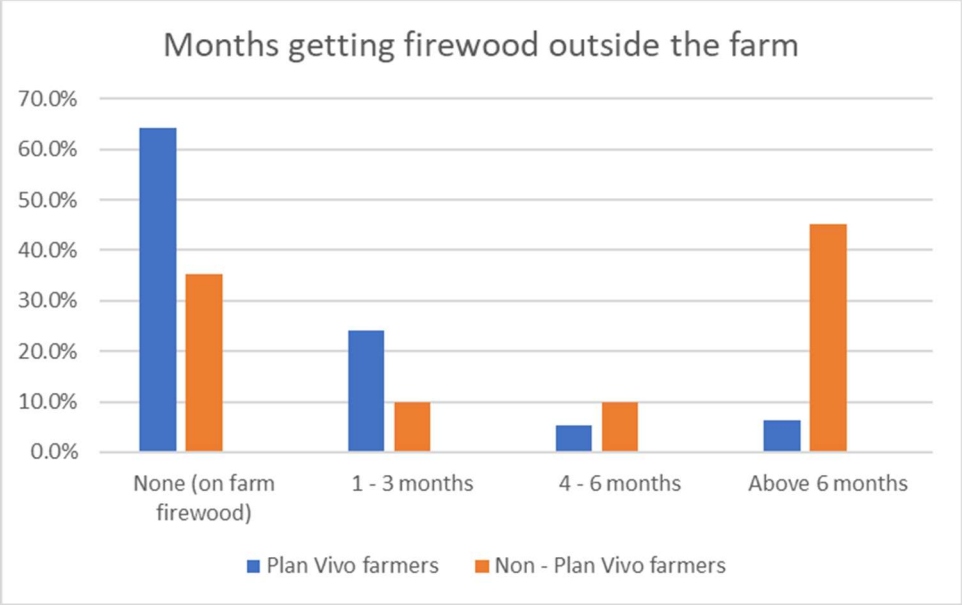
During the study it was also examined what main sources of energy the farmers in the area are using. The main source of energy for cooking is firewood. The firewood is collected during tree management practices such as thinning, pruning of branches and roots. The analysis shows that ***Emiti Nibwo Bulora*** farmers depend much on firewood as their main source of energy for cooking, as they can collect from their farms. Non- ***Emiti Nibwo Bulora - farmers*** also depend on firewood as their source of energy for cooking, but they collect firewood from non-agroforestry tree species such as Eucalyptus spp.

Chart 3: Main source of energy for cooking



The graph below shows that 64.2% of participating farmers were getting firewood from their own farms throughout the year due to trees planted in their farms. For non-participating farmers, 44.7% were getting firewood from outside their farms in a period of more than 6 months which shows that they don't have enough trees on their farms to support their needs. This can lead to increased deforestation and

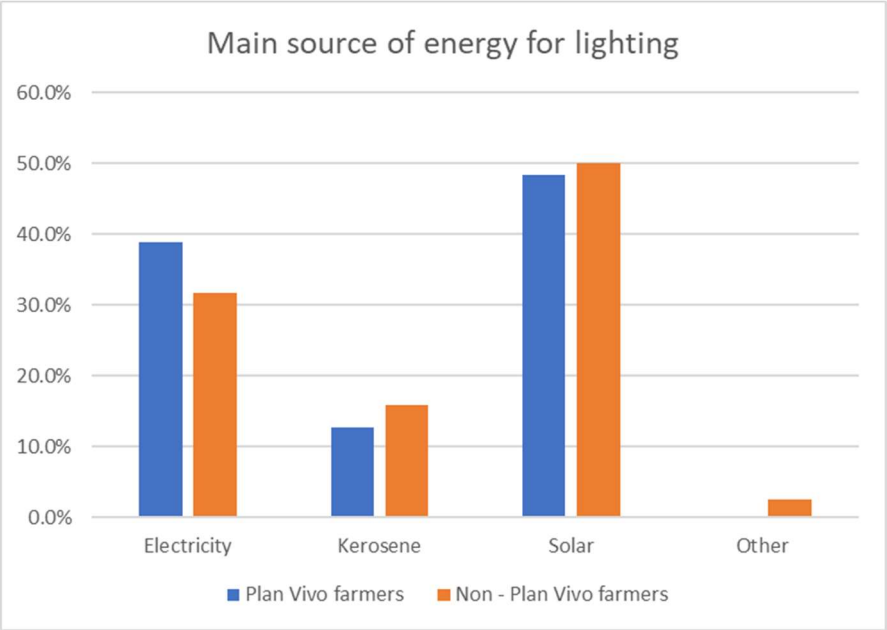
Chart 4: Months getting firewood outside the farm



For lighting, the primary source depends on the financial position of the farmers. The primary sources of income of farmers depends on farming. Installation of electricity is much more expensive compared to solar and kerosene.

About 39% of participating farmers are using electricity which may show they are a bit financially stronger than the non-participating farmers, of whom only 31% are using electricity.

Chart 5: Main source of energy for lightning



3.4 Farm trees

Result from the interviews and the study shows that the average number of Agroforestry trees planted by ***Emiti Nibwo Bulora*** participants is 443 and for non- ***Emiti Nibwo Bulora*** is 74. Furthermore, ***Emiti Nibwo Bulora*** farmers were supported by the project on various capacity building and trainings on trees establishment, for instance local seed collection, nursery establishment, tree planting and management.

3.5 Production and sales of agricultural and agroforestry products

During the study it was also examined if and what kind of product the farmers in the area are selling.

The analysis shows that 17.9% of the Emiti Nibwo Bulora households sold wood products compared to 22% non-Emiti Nibwo Bulora households. This might reflect the fact that ***Emiti Nibwo Bulora*** households´ trees are not yet matured for sale and at the same time their tree farms/plots are under special contracts of carbon dioxide emission while non- ***Emiti Nibwo Bulora*** households have mostly planted non-agroforestry trees species e.g. Eucalyptus spp. and Pine spp. which were now sold for timber and building poles.

The result showsalso that 47.1% of participating farmers sold firewood, 17.7% sold poles and 35.3% sold timber. For non-participating farmers, 22.2% sold firewood, 38.9% sold poles and 38.9%sold timber, from their old trees non-agroforestry tree species.

Chart 6: Types of wood products sold

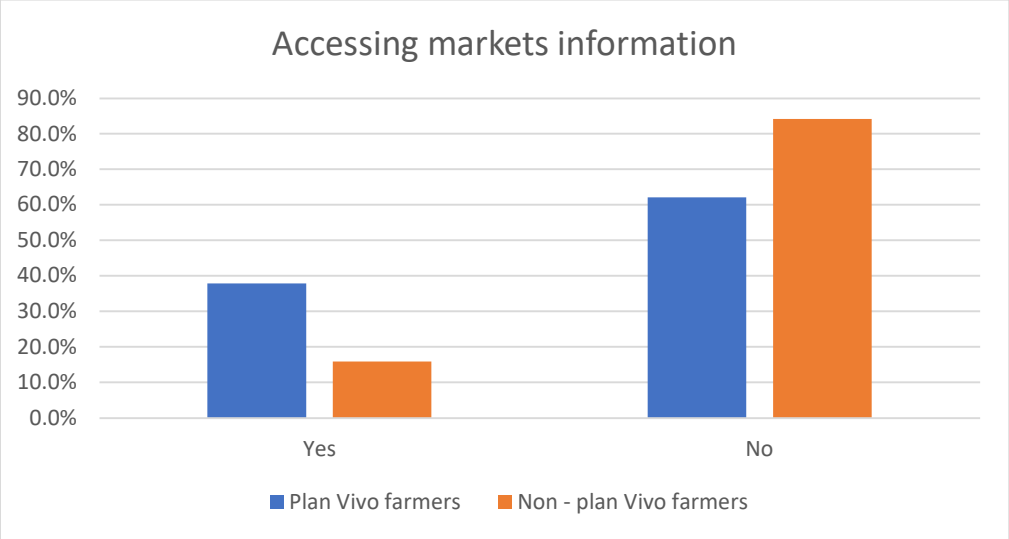
As mentioned above, farmers in the project have received training on trees and crops diversification, resulting in harvesting of different agroforestry products, for example beans, maize, banana, and fruits. The harvest of these agroforestry products has increased each year due to improved soil fertility. Furthermore, participating farmers were trained on trees value chain which enabled them to focus on increasing production of agroforestry products. Result from the study shows that 88 % of participating farmers have acknowledged the increase in number of agroforestry products sold compared to 67% of non-participating farmers.

3.6 Capacity in accessing market information.

The study also examines the farmers access to market information. Normally, most of farmers are producing for home consumption and the surplus for individual markets. The study shows that most of the farmers in the area lack access to market information. One reason behind this is lack of knowledge on where to find information. However, participating farmers have more knowledge about this than non-participating farmers.

The analysis has recognized that the collective market is slightly practiced by only Plan Vivo farmers due to insufficient production and awareness within the community. The graphical presentation shows that 5.3% of Plan Vivo farmers have acknowledged to participate in collective markets for the main crops/products, for instance beans and banana.

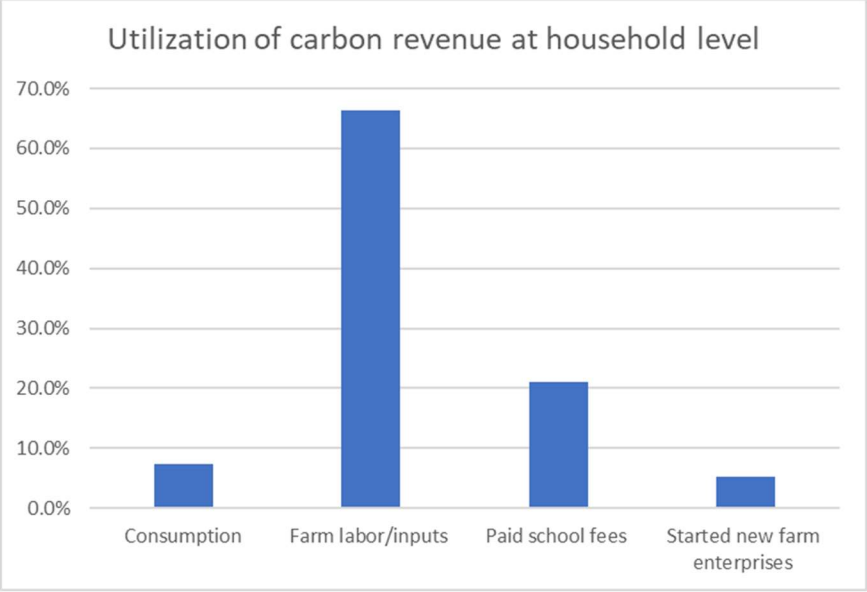
Chart 7: Access to market information



3.7 Use of carbon revenues

During the study it was also examined on how the farmers in the project use the revenue they receive from sequestering carbon dioxide. The main purpose of carbon revenue is to support labour and farm inputs for example the cost of mulching materials and manure for planting tree seedlings. The result shows that 66.3% of received revenues were used to support farm labour/inputs, 21.1% paid school fees for their children specific on school uniforms and school fees for private schools, 7.3% for household consumption and 5.3% for starting or supporting micro-business/enterprises.

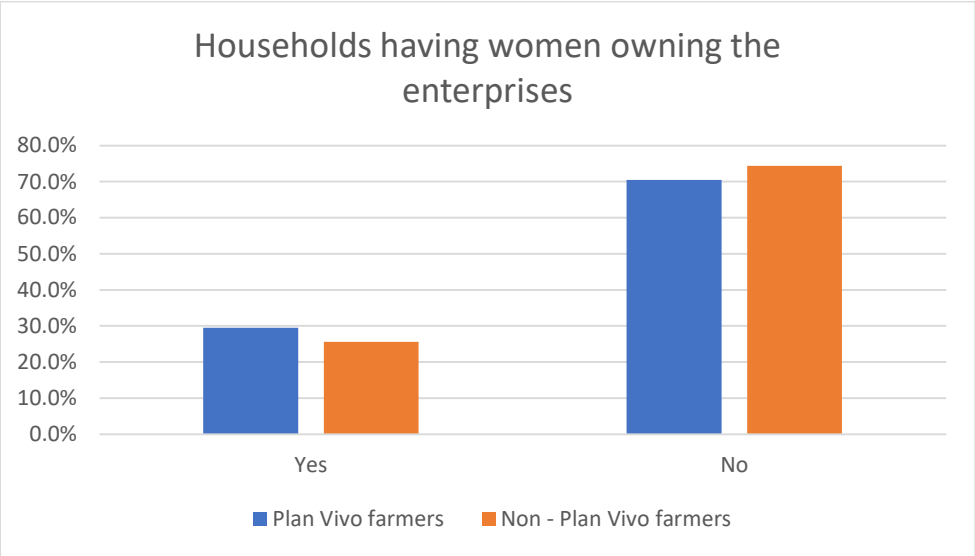
Chart 8: Use of carbon revenues



3.8 Women owned enterprises.

The study also examined women's enterprise ownership. The result showed that 29.5% of participating households´ enterprises are owned by women while 25.6% for non-participating farmers. Many women are dealing with small enterprises e.g. livestock (chicken, goats) management and retail shops (farm inputs, tailoring, restaurants) for household daily support. In Karagwe and Kyerwa communities, most of the land is owned by men the and the owners also make the decisions of what enterprises to run.

Chart 9 – Women owned enterprises.



4. Conclusions and Recommendations

The survey shows that the Emiti Nibwo Bulora project has led to some of the expected socio-economic impacts. This includes:

- Increased agroforestry tree cover (around 540ha + 144km is now covered with agroforestry trees)
- Improved land use and added value to abandoned land.
- farmers can collect firewood from their farms which means they do not need to collect from the forests or buy at the market.
- Increased income from carbon revenue
- Increased possibilities to starting up new income generating enterprises.

The study also shows some results which was not expected, these includes:

- There was minor difference between participating and non-participating famers in regards to food security. One reason behind this might be poor farm management which has led to competition between crops and trees. Vi Agroforestry and Smart farmers will work to avoid this happening in the future.
- Non-participating farmers can save more money than the farmers participating in the project. On reason for this is that participating households´ trees are not yet matured for sale and at the same time their tree farms/plots are under special contracts of carbon dioxide emission, while non-Plan Vivo households have

mostly planted non-agroforestry trees species e.g., Eucalyptus spp. and Pine spp. sold for timber and building poles. On the other hand, when the trees are matured a bigger revenue is to be expected.

Given the result from the report, the following recommendations can be done:

- Going forward, the focus will be on proper management of tree farms, to avoid crop failure leading to poor production of food.
- Through capacity building, participants have been organised in groups, which has led to the formation of the farmer-based organisation Smart Farmers and Transformation (SFT). SFT has recently taken over (from Vi Agroforestry) some of the monitoring- and training components of Plan Vivo.[11] Going forward, SFT will support farmers to achieve expected socio-economic deliverables.
- There is a need to develop/revise a participatory socio-economic and risk assessment plan to assist annual monitoring of project livelihoods and risks impacts.
- The current assessment tool should be reviewed to track the right information that will be required, to enrich various reports and studies.

Annex 9: PES for 2019/2020

Ist PAYMENT						
S/NO	**PARTICIPANT**	**PV ID**	**REG YEAR**	**ZONE**	**T/SPECIFICATION**	**AMOUNT (TZS)**
1		310	2019	Nyaishozi	Woodlot	2,236,500.00
2		311	2019	Nyaishozi	Woodlot	949,500.00
3		312	2019	Nyaishozi	Woodlot	765,000.00
4		313	2019	Nyaishozi	Woodlot	3,604,500.00
5		314	2019	Nyaishozi	Woodlot	468,000.00
6		315	2019	Nyaishozi	Woodlot	1,165,500.00
7		316	2019	Nyaishozi	Woodlot	148,500.00
8		317	2019	Nyaishozi	Woodlot	130,500.00
9		318	2019	Nyaishozi	Woodlot	445,500.00
10		319	2019	Nyaishozi	Woodlot	198,000.00
11		320	2019	Nyaishozi	Woodlot	436,500.00
12		321	2019	Nyaishozi	Woodlot	693,000.00
13		322	2019	Nyaishozi	B. Planting	63,000.00
14		323	2019	Nyaishozi	Woodlot	3,330,000.00
15		324	2019	Nyaishozi	Woodlot	225,000.00
16		325	2019	Nyaishozi	Woodlot	2,227,500.00
17		326	2019	Nyaishozi	Woodlot	1,012,500.00
18		327	2019	Nyaishozi	Woodlot	301,500.00
19		564	2019	Kaisho	B. Planting	85,500.00

11 For more information, see annex 2 - Division of activities between Vi Agroforestry and SFT and 3- Hand-over deliverables and timeframe.

20		565	2019	Kaisho	Woodlot	418,500.00
21		566	2019	Kaisho	Woodlot	504,000.00
22		567	2019	Kaisho	B. Planting	108,000.00
		567	2019	Kaisho	D. Interplanting	225,000.00
23		568	2019	Kaisho	Woodlot	148,500.00
24		569	2019	Kaisho	B. Planting	67,500.00
25		570	2019	Kaisho	Woodlot	234,000.00
26		571	2019	Kaisho	Woodlot	567,000.00
27		572	2019	Kaisho	Woodlot	243,000.00
28		573	2019	Kaisho	Woodlot	337,500.00
29		574	2019	Kaisho	Woodlot	31,500.00
30		575	2019	Kaisho	B. Planting	85,500.00
31		576	2019	Kaisho	B. Planting	157,500.00
32		577	2019	Kaisho	Woodlot	589,500.00
33		578	2019	Kaisho	Woodlot	193,500.00
34		579	2019	Kaisho	B. Planting	166,500.00
		579	2019	Kaisho	D. Interplanting	441,000.00
35		580	2019	Kaisho	B. Planting	162,000.00
36		581	2019	Kaisho	Woodlot	369,000.00
37		582	2019	Kaisho	Woodlot	333,000.00
38		583	2019	Kaisho	B. Planting	67,500.00
39		584	2019	Kaisho	B. Planting	157,500.00
40		585	2019	Kaisho	B. Planting	72,000.00
41		586	2019	Kaisho	Woodlot	535,500.00
42		587	2019	Kaisho	B. Planting	112,500.00
		587	2019	Kaisho	D. Interplanting	283,500.00
43		588	2019	Kaisho	B. Planting	49,500.00
		588	2019	Kaisho	D. Interplanting	27,000.00
44		589	2019	Kaisho	B. Planting	90,000.00
		589	2019	Kaisho	D. Interplanting	139,500.00
45		590	2019	Kaisho	Woodlot	504,000.00
46		591	2019	Kaisho	B. Planting	76,500.00
47		593	2019	Kaisho	B. Planting	148,500.00
48		594	2019	Kaisho	Woodlot	108,000.00
		594	2019	Kaisho	Woodlot	1,642,500.00
49		596	2019	Kaisho	B. Planting	117,000.00
50		597	2019	Kaisho	B. Planting	130,500.00
51		598	2019	Kaisho	B. Planting	103,500.00
52		599	2019	Kaisho	D. Interplanting	139,500.00
53		600	2019	Kaisho	B. Planting	90,000.00

54		601	2019	Kaisho	D. Interplanting	94,500.00
		601	2019	Kaisho	B. Planting	67,500.00
55		602	2019	Kaisho	B. Planting	90,000.00
56		603	2019	Kaisho	B. Planting	130,500.00
57		604	2019	Kaisho	B. Planting	117,000.00
58		605	2019	Kaisho	B. Planting	76,500.00
59		606	2019	Kaisho	Woodlot	126,000.00
60		607	2019	Kaisho	Woodlot	472,500.00
61		608	2019	Kaisho	Woodlot	832,500.00
62		609	2019	Kaisho	Woodlot	553,500.00
63		610	2019	Kaisho	Woodlot	360,000.00
64		611	2019	Kaisho	Woodlot	450,000.00
65		612	2019	Kaisho	Woodlot	144,000.00
66		613	2019	Kaisho	B. Planting	139,500.00
67		614	2019	Kaisho	B. Planting	135,000.00
68		615	2019	Kaisho	Woodlot	715,500.00
69		616	2019	Kaisho	Woodlot	382,500.00
70		617	2019	Kaisho	Woodlot	238,500.00
		617	2019	Kaisho	Woodlot	292,500.00
71		618	2109	Kaisho	B. Planting	58,500.00
72		467	2019	Bugene	B. Planting	117,000.00
73		468	2019	Bugene	B. Planting	103,500.00
74		469	2019	Bugene	Woodlot	1,552,500.00
75		470	2019	Bugene	Woodlot	1,408,500.00
76		471	2019	Bugene	Woodlot	2,587,500.00
77		472	2019	Bugene	Woodlot	2,452,500.00
78		473	2019	Bugene	Woodlot	135,000.00
79		474	2019	Bugene	Woodlot	171,000.00
		474	2019	Bugene	Woodlot	162,000.00
80		475	2019	Bugene	B. Planting	162,000.00
81		476	2019	Bugene	Woodlot	1,390,500.00
		476	2019	Bugene	B. Planting	90,000.00
82		477	2019	Bugene	B. Planting	121,500.00
83		478	2019	Bugene	Woodlot	360,000.00
84		479	2019	Bugene	Woodlot	495,000.00
85		480	2019	Bugene	D. Interplanting	49,500.00
86		481	2019	Bugene	D. Interplanting	135,000.00
87		482	2019	Bugene	Woodlot	288,000.00
88		483	2019	Bugene	B. Planting	166,500.00
89		484	2019	Bugene	B. Planting	103,500.00

90		485	2019	Bugene	B. Planting	99,000.00
91		486	2019	Bugene	Woodlot	216,000.00
92		487	2019	Bugene	B. Planting	76,500.00
93		488	2019	Bugene	B. Planting	112,500.00
94		489	2019	Bugene	B. Planting	94,500.00
95		490	2019	Bugene	B. Planting	63,000.00
96		38	2019	Nyabiyonza	B. Planting	81,000.00
97		39	2019	Nyabiyonza	B. Planting	54,000.00
98		40	2019	Nyabiyonza	B. Planting	67,500.00
99		41	2019	Nyabiyonza	B. Planting	103,500.00
100		42	2019	Nyabiyonza	B. Planting	49,500.00
101		43	2019	Nyabiyonza	B. Planting	90,000.00
102		44	2019	Nyabiyonza	B. Planting	144,000.00
103		45	2019	Nyabiyonza	B. Planting	54,000.00
104		46	2019	Nyabiyonza	B. Planting	180,000.00
		46	2019	Nyabiyonza	Woodlot	211,500.00
105		47	2019	Nyabiyonza	B. Planting	103,500.00
106		48	2019	Nyabiyonza	B. Planting	121,500.00
107		49	2019	Nyabiyonza	Woodlot	216,000.00
108		50	2019	Nyabiyonza	Woodlot	522,000.00
109		51	2019	Nyabiyonza	Woodlot	148,500.00
110		52	2019	Nyabiyonza	Woodlot	180,000.00
111		53	2019	Nyabiyonza	Woodlot	7,105,500.00
112		54	2019	Nyabiyonza	Woodlot	661,500.00
113		55	2019	Nyabiyonza	Woodlot	139,500.00
114		56	2019	Nyabiyonza	Woodlot	1,039,500.00
		56	2019	Nyabiyonza	B. Planting	85,500.00
115		57	2019	Nyabiyonza	Woodlot	918,000.00
116		58	2019	Nyabiyonza	Woodlot	328,500.00
117		59	2019	Nyabiyonza	Woodlot	976,500.00
118		60	2019	Nyabiyonza	B. Planting	198,000.00
119		61	2019	Nyabiyonza	Woodlot	454,500.00
120		62	2019	Nyabiyonza	Woodlot	351,000.00
121		63	2019	Nyabiyonza	Woodlot	1,111,500.00
		63	2019	Nyabiyonza	B. Planting	67,500.00
122		64	2019	Nyabiyonza	Woodlot	328,500.00
123		65	2019	Nyabiyonza	Woodlot	792,000.00
124		66	2019	Nyabiyonza	Woodlot	351,000.00
		66	2019	Nyabiyonza	B. Planting	85,500.00
125		67	2019	Nyabiyonza	B. Planting	139,500.00

126		68	2019	Nyabiyonza	Woodlot	193,500.00
		68	2019	Nyabiyonza	B. Planting	63,000.00
127		69	2019	Nyabiyonza	B. Planting	310,500.00
128		70	2019	Nyabiyonza	Woodlot	216,000.00
129		71	2019	Nyabiyonza	B. Planting	157,500.00
130		72	2019	Nyabiyonza	B. Planting	166,500.00
131		74	2019	Nyabiyonza	Woodlot	2,304,000.00
132		75	2019	Nyabiyonza	B. Planting	40,500.00
133		76	2019	Nyabiyonza	B. Planting	184,500.00
		76	2019	Nyabiyonza	Woodlot	391,500.00
134		77	2019	Nyabiyonza	B. Planting	135,000.00
135		78	2019	Nyabiyonza	B. Planting	121,500.00
136		79	2019	Nyabiyonza	Woodlot	220,500.00
137		80	2019	Nyabiyonza	Woodlot	211,500.00
138		81	2019	Nyabiyonza	B. Planting	126,000.00
139		82	2019	Nyabiyonza	Woodlot	567,000.00
140		83	2019	Nyabiyonza	Woodlot	27,000.00
		83	2019	Nyabiyonza	B. Planting	99,000.00
141		84	2019	Nyabiyonza	Woodlot	1,044,000.00
		84	2019	Nyabiyonza	B. Planting	256,500.00
		84	2019	Nyabiyonza	D. I	765,000.00
142		85	2019	Nyabiyonza	Woodlot	121,500.00
		85	2019	Nyabiyonza	B. Planting	76,500.00
143		86	2019	Nyabiyonza	D. I	126,000.00
144		87	2019	Nyabiyonza	B. Planting	63,000.00
145		88	2019	Nyabiyonza	Woodlot	3,055,500.00
		88	2019	Nyabiyonza	B. Planting	310,500.00
146		89	2019	Nyabiyonza	Woodlot	130,500.00
147		90	2019	Nyabiyonza	B. Planting	112,500.00
148		91	2019	Nyabiyonza	B. Planting	153,000.00
149		92	2019	Nyabiyonza	Woodlot	103,500.00
150		93	2019	Nyabiyonza	Woodlot	1,525,500.00
151		94	2019	Nyabiyonza	B. Planting	94,500.00
152		95	2019	Nyabiyonza	Woodlot	1,183,500.00
153		96	2019	Nyabiyonza	Woodlot	3,744,000.00
154		73	2019	Nyabiyonza	Woodlot	85,500.00
		73	2019	Nyabiyonza	D. I	58,500.00
		73	2019	Nyabiyonza	B. Planting	58,500.00
Sum						**82,714,500.00**
2nd PAYMENT						

S/NO	PARTICIPANT	PV ID	REG YEAR	ZONE	T/SPECIFICATION	AMOUNT
1		543	2018	Kaisho	Woodlot	366,000.00
2		546	2018	Kaisho	B. Planting	63,000.00
3		548	2018	Kaisho	Woodlot	576,000.00
4		550	2018	Kaisho	Woodlot	126,000.00
5		551	2018	Kaisho	B. Planting	75,000.00
6		552	2018	Kaisho	B. Planting	114,000.00
7		553	2018	Kaisho	B. Planting	87,000.00
8		554	2018	Kaisho	Woodlot	273,000.00
9		555	2018	Kaisho	Woodlot	165,000.00
10		556	2018	Kaisho	B. Planting	66,000.00
11		557	2018	Kaisho	Woodlot	414,000.00
12		558	2018	Kaisho	Woodlot	612,000.00
13		559	2018	Kaisho	Woodlot	261,000.00
14		560	2018	Kaisho	B. Planting	72,000.00
15		562	2018	Kaisho	B. Planting	99,000.00
16		563	2018	Kaisho	B. Planting	111,000.00
17		443	2018	Bugene	D. Interplanting	849,000.00
		443	2018	Bugene	B. Planting	162,000.00
18		444	2018	Bugene	Woodlot	1,458,000.00
		444	2018	Bugene	B. Planting	156,000.00
19		445	2018	Bugene	B. Planting	102,000.00
20		446	2018	Bugene	Woodlot	201,000.00
21		447	2018	Bugene	Woodlot	237,000.00
		447	2018	Bugene	B. Planting	78,000.00
22		448	2018	Bugene	Woodlot	720,000.00
23		449	2018	Bugene	B. Planting	72,000.00
24		450	2018	Bugene	B. Planting	54,000.00
25		451	2018	Bugene	Woodlot	123,000.00
26		452	2018	Bugene	Woodlot	372,000.00
27		453	2018	Bugene	Woodlot	60,000.00
28		454	2018	Bugene	B. Planting	81,000.00
29		455	2018	Bugene	Woodlot	459,000.00
30		456	2018	Bugene	Woodlot	498,000.00
31		457	2018	Bugene	Woodlot	114,000.00
32		458	2018	Bugene	B. Planting	75,000.00
33		459	2018	Bugene	Woodlot	594,000.00
34		460	2018	Bugene	B. Planting	111,000.00
35		461	2018	Bugene	B. Planting	207,000.00

36		462	2018	Bugene	D. Interplanting	237,000.00
37		463	2018	Bugene	Woodlot	147,000.00
38		464	2018	Bugene	B. Planting	78,000.00
39		465	2018	Bugene	B. Planting	27,000.00
40		466	2018	Bugene	Woodlot	240,000.00
41		25	2018	Nyabiyonza	B. Planting	54,000.00
42		27	2018	Nyabiyonza	Woodlot	1,071,000.00
43		28	2018	Nyabiyonza	D. Interplanting	48,000.00
44		29	2018	Nyabiyonza	B. Planting	123,000.00
45		26	2018	Nyabiyonza	Woodlot	564,000.00
		26	2018	Nyabiyonza	B. Planting	84,000.00
46		37	2018	Nyabiyonza	F. Orchard	30,000.00
47		30	2018	Nyabiyonza	Woodlot	39,000.00
48		31	2018	Nyabiyonza	Woodlot	246,000.00
49		34	2018	Nyabiyonza	Woodlot	96,000.00
50		33	2018	Nyabiyonza	Woodlot	96,000.00
51		35	2018	Nyabiyonza	Woodlot	333,000.00
52		36	2018	Nyabiyonza	Woodlot	201,000.00
53		32	2018	Nyabiyonza	Woodlot	633,000.00
Sum:						**14,610,000.00**
3rd PAYMENT						
S/NO	**PARTICIPANT**	**PV ID**	**REG YEAR**	**ZONE**	**T/SPECIFICATION**	**AMOUNT**
1		266	2015	Nyaishozi	Woodlot	88,400.00
2		267	2015	Nyaishozi	Woodlot	488,800.00
3		273	2015	Nyaishozi	Woodlot	52,000.00
		273	2015	Nyaishozi	DI	13,000.00
4		282	2015	Nyaishozi	Woodlot	483,600.00
5		272	2015	Nyaishozi	Woodlot	49,400.00
6		290	2015	Nyaishozi	Woodlot	39,000.00
7		268	2015	Nyaishozi	Woodlot	83,200.00
8		296	2015	Nyaishozi	Woodlot	205,400.00
9		271	2015	Nyaishozi	BP	36,400.00
10		274	2015	Nyaishozi	Woodlot	837,200.00
11		291	2015	Nyaishozi	BP	78,000.00
12		292	2015	Nyaishozi	Woodlot	36,400.00
13		301	2015	Nyaishozi	Woodlot	52,000.00
14		276	2015	Nyaishozi	Woodlot	205,400.00
15		287	2015	Nyaishozi	Woodlot	65,000.00
16		288	2015	Nyaishozi	Woodlot	280,800.00

17		303	2015	Nyaishozi	Woodlot	119,600.00
18		263	2015	Nyaishozi	Woodlot	637,000.00
19		269	2015	Nyaishozi	Woodlot	288,600.00
20		270	2015	Nyaishozi	Woodlot	239,200.00
21		275	2015	Nyaishozi	Woodlot	221,000.00
22		278	2015	Nyaishozi	B. Planting	52,000.00
		278	2015	Nyaishozi	Woodlot	512,200.00
23		279	2015	Nyaishozi	Woodlot	210,600.00
24		280	2015	Nyaishozi	Woodlot	140,400.00
25		284	2015	Nyaishozi	Woodlot	49,400.00
26		285	2015	Nyaishozi	Woodlot	345,800.00
27		293	2015	Nyaishozi	Woodlot	265,200.00
28		299	2015	Nyaishozi	Woodlot	62,400.00
29		302	2015	Nyaishozi	Woodlot	301,600.00
30		304	2016	Nyaishozi	Woodlot	124,800.00
31		3	2010	Nyaishozi	Woodlot	84,000.00
32		414	2015	Bugene	Woodlot	325,000.00
33		415	2015	Bugene	Woodlot	195,000.00
34		416	2015	Bugene	Woodlot	150,800.00
35		417	2015	Bugene	Woodlot	101,400.00
36		418	2015	Bugene	BP	202,800.00
37		419	2015	Bugene	Woodlot	101,400.00
38		421	2015	Bugene	BP	98,800.00
39		401	2015	Bugene	B. Planting	88,400.00
40		402	2015	Bugene	Woodlot	132,600.00
41		403	2015	Bugene	B. Planting	70,200.00
42		404	2015	Bugene	B. Planting	93,600.00
43		405	2015	Bugene	B. Planting	41,600.00
44		406	2015	Bugene	B. Planting	31,200.00
		406	2015	Bugene	D. Interplanting	153,400.00
45		407	2015	Bugene	Woodlot	785,200.00
46		409	2015	Bugene	Woodlot	140,400.00
47		410	2015	Bugene	Fruit Orchard	41,600.00
48		411	2015	Bugene	Fruit Orchard	98,800.00
49		372	2015	Bugene	B. Planting	80,600.00
50		374	2015	Bugene	Woodlot	304,200.00
51		379	2015	Bugene	Woodlot	182,000.00
52		380	2015	Bugene	Woodlot	239,200.00
53		422	2015	Bugene	D. Interplanting	75,400.00
54		386	2015	Bugene	DI	26,000.00

55		390	2015	Bugene	Woodlot	26,000.00
56		391	2015	Bugene	B. Planting	44,200.00
57		392	2015	Bugene	B. Planting	15,600.00
58		398	2015	Bugene	B. Planting	23,400.00
59		425	2015	Bugene	Woodlot	78,000.00
60		382	2015	Bugene	B. Planting	65,000.00
61		383	2015	Bugene	Woodlot	351,000.00
62		412	2015	Bugene	Woodlot	317,200.00
63		377	2015	Bugene	Woodlot	1,822,600.00
64		385	2015	Bugene	B. Planting	23,400.00
65		387	2015	Bugene	B. Planting	130,000.00
66		388	2015	Bugene	Woodlot	137,800.00
67		373	2015	Bugene	Woodlot	1,227,200.00
68		375	2015	Bugene	Woodlot	166,400.00
69		427	2016	Bugene	D. Interplanting	208,000.00
70		428	2016	Bugene	D. Interplanting	267,800.00
71		429	2016	Bugene	Woodlot	93,600.00
72		430	2016	Bugene	D. Interplanting	119,600.00
73		431	2016	Bugene	D. Interplanting	59,800.00
74		432	2016	Bugene	D. Interplanting	36,400.00
75		434	2016	Bugene	B. Planting	145,600.00
76		435	2016	Bugene	Woodlot	83,200.00
77		436	2016	Bugene	B. Planting	52,000.00
78		437	2016	Bugene	Woodlot	101,400.00
79		438	2016	Bugene	B. Planting	33,800.00
80		439	2016	Bugene	D. Interplanting	67,600.00
81		440	2016	Bugene	Woodlot	75,400.00
82		441	2016	Bugene	Woodlot	143,000.00
83		442	2016	Bugene	Woodlot	478,400.00
84		509	2015	Kaisho	B. Planting	101,400.00
85		510	2015	Kaisho	B. Planting	96,200.00
86		505	2015	Kaisho	Woodlot	65,000.00
		505	2015	Kaisho	B. Planting	67,600.00
87		507	2015	Kaisho	B. Planting	52,000.00
88		506	2015	Kaisho	B. Planting	78,000.00
89		513	2015	Kaisho	Fruit Orchard	7,800.00
90		511	2015	Kaisho	Fruit Orchard	10,400.00
91		512	2015	Kaisho	B. Planting	41,600.00
92		514	2015	Kaisho	Woodlot	280,800.00
		514	2015	Kaisho	B. Planting	176,800.00

93		515	2015	Kaisho	D. Interplanting	83,200.00
94		501	2015	Kaisho	B. Planting	70,200.00
95		502	2015	Kaisho	B. Planting	91,000.00
96		508	2015	Kaisho	Woodlot	249,600.00
97		516	2016	Kaisho	D. Interplanting	41,600.00
98		517	2016	Kaisho	B. Planting	46,800.00
99		518	2016	Kaisho	B. Planting	36,400.00
100		519	2016	Kaisho	Woodlot	247,000.00
101		520	2016	Kaisho	D. Interplanting	52,000.00
		520	2016	Kaisho	B. Planting	39,000.00
102		521	2016	Kaisho	Woodlot	49,400.00
103		523	2016	Kaisho	D. Interplanting	70,200.00
		523	2016	Kaisho	B. Planting	41,600.00
104		524	2016	Kaisho	D. Interplanting	124,800.00
		524	2016	Kaisho	B. Planting	54,600.00
105		527	2016	Kaisho	B. Planting	49,400.00
106		528	2016	Kaisho	Woodlot	127,400.00
107		530	2016	Kaisho	Woodlot	85,800.00
108		531	2016	Kaisho	D. Interplanting	249,600.00
109		532	2016	Kaisho	Woodlot	111,800.00
110		533	2016	Kaisho	Woodlot	200,200.00
111		534	2016	Kaisho	D. Interplanting	28,600.00
112		535	2016	Kaisho	B. Planting	54,600.00
113		537	2016	Kaisho	B. Planting	44,200.00
114		539	2016	Kaisho	Woodlot	254,800.00
Sum						**20,382,200.00**
Grand total:						**117,706,700.00**