



MATEMBA WARD – VUBWI DISTRICT

PARTICIPATORY LAND USE PLAN

(PLUP)



Prepared by: Land Alliance Consortium (TSP) in Collaboration with VUBWI DMT

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Preface

This Participatory Land Use Plan (**PLUP**) for Matemba Ward is a document that has been developed with a view to managing and mitigating unsustainable natural resource use. The aim of this document is to help communities in making sound decisions pertaining to land uses. This PLUP process has been supported by the Zambia Integrated Forests and Landscape Project (**ZIFLP**), an initiative of the Government of the Republic of Zambia, with funding support from World Bank through the Bio-Carbon Fund, Global Environmental Facility (**GEF**) and International Development Association (**IDA**).

PLUP activity falls under component 1: **Enabling Environment**. This first component is meant to create conditions that will allow the livelihood investments of Component 2 (**Livelihood and Low-carbon Investments**) to be successfully implemented and that will prepare Zambia for emission reduction purchases. This component includes support for two sub-components under which PLUP falls. These are:

- a. District and Local Level Planning, which supports Integrated District Development.
- b. Local Planning, including land use and action planning through participatory processes.

The process for the creation of this PLUP was participatory in nature taking into account Social Biodiversity Impact Assessment (**SBIA**), and various stakeholders such as His Royal Highness Chief Pembamoyo of Pembamoyo Chiefdom, Vubwi District Multi-Sectoral Team (**DMT**), Department of Physical Planning, Matemba Ward community Members and ZIFLP team were consulted and engaged and were fully involved at every stage of the process. Thus, this PLUP will help guide Matemba Ward residents in implementing sustainable and environmentally friendly land use practices in their ward, and also help in addressing the key issues identified, which have so far led to the unsustainable resource usage. This PLUP will help residents find alternative livelihood sources which will make them refrain from unsustainable land use practices such as unsustainable agriculture expansion, unplanned human settlement, environmental degradation and deforestation. This will help in the realisation of ZIFLP vision, which is to improve rural livelihoods in Eastern Province by reducing Deforestation and Forest and Land Degradation using low emission pathways through local participation by 2030.

It is further hoped that the local people in the community will appreciate the benefits of having the Land Use Plan (**LUP**), bearing in mind that land is a scarce resource with competing uses which are mutually exclusive. Additionally, population growth, erosion, effects of climate change and other factors have contributed to the increasing scarcity of fertile land in rural areas, leading to food insecurity and loss of livelihood. Thus, this PLUP is a way of balancing up competing and, in some cases, conflicting land uses.

Council Secretary
Vubwi Town Council

District Commissioner
Vubwi District

HRH Chief Pembamoyo
Pembamoyo Chiefdom

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Acronyms and Abbreviations

CDF	– Constituency Development Fund
CSA	– Climate Smart Agriculture
DMT	- District Multi-Sectoral Team
ECZ	– Electoral Commission of Zambia
EP	- Eastern Province
EMP	- Environmental Management Plans
FPIC	- Free Prior Informed Consent
GPS	- Global Positioning System
ICT	– Information and Communications Technology
IDP	– Integrated Development Plan
JICA	- Japanese International Corporation Agency
JIDP	– Joint Integrated Development Plan
LAP	- Local Area Plan
LULC	- Land Use Land Cover
LUP	- Land Use Planning
NDP	- National Development Plan
NRM	- Natural Resource Management
OCC	- Objection, Correction and Confirmation
ODK	- Open Data Kit
PAD	- Project Appraisal Document
PLUP	- Participatory Land Use Planning
URP	- Urban and Regional Planning
WDC	- Ward Development Committee
ZIFLP	- Zambia Integrated Forest Landscape Project

1. INTRODUCTION

Participatory Land Use Planning (**PLUP**) is an interactive process in which local communities can discuss and determine how to manage the land and other natural resources in their locality. Land Use Planning (LUP) can be defined as a process in which land is allocated for different uses ranging from residential, commercial, agriculture, etc. (PLUP manual, 2019). PLUP is an important decision-making tool for Natural Resource Management because it helps in defining suitable land uses which best balance ecological, economic and social objectives, thereby preventing land use and social conflicts. Thus, PLUP is of great importance if natural resources are to be effectively managed.

Currently, rural areas in Zambia are faced with challenges ranging from food insecurity, land conflicts, biodiversity protection while initiating economic growth, adapting to climate change as well as protecting people from natural disasters (JICA, 2011). Hence, PLUP is envisioned to be a great tool capable of mitigating the above challenges by focusing on conducting discussions with relevant stakeholders on future land and resource use as well as management by allocating specific areas for different human activities.

Thus land use allocation is important, owing to the fact that land is a scarce resource with a fixed supply despite demand increasing on a daily basis (thereby bringing about land-related conflicts). Therefore, this PLUP aims at guiding and helping in tackling land-related conflicts as well as other natural resource issues in their early stages by facilitating consensual negotiations and eventual regulations on land uses by all interested parties.

The rationale and overall objective of conducting Participatory Land Use Planning on customary land is to consolidate information on the current status of land uses and land information within an area. The information gathered will subsequently inform land use options that are sustainable, environmentally compatible, socially desirable and economically sound. Further, the exercise helps in bringing out social and environmental issues affecting the communities in the project areas so as to design appropriate interventions to mitigate those effects.

1.1 Background

The Zambia Integrated Forest Landscape Project (ZIFLP) embarked on supporting the implementation of Participatory Land Use Planning (PLUP) in districts of Eastern Province (EP), focusing on community land use mapping and planning. This was the basis for the identification of primary Sub-District level activities, including issues of identification, prioritisation and sub-project identification (PLUP Manual, 2019).

ZIFLP took into consideration and followed the present government direction on land use aimed at optimising the use of land, helping with resolution of conflicts which arise between competing land uses and needs of various interest groups, choosing sustainable options that best meet identified needs, rehabilitating and conserving natural resources, supporting the general development process and raising awareness concerning environmental problems among the populations and authorities (ZIFLP- PAD).

Additionally, this PLUP consolidated information on the current status of land use and land information within a project area, which provided information on land use options that are sustainable, socially and environmentally compatible, socially desirable and economically sound. The PLUP initiative is based on the current social, economic and environmental challenges and opportunities facing Zambia's customary areas.

Generally, Chiefs have a high level of autonomy in terms of land management in their chiefdoms, but at the same time depend on the government to provide a range of services such as schools, clinics, etc. The PLUP development process recognizes the fact that Zambia's rural landscape is vast and viable for various investments. Thus, rural landscapes have the potential to provide multiple revenue sources ranging from small-scale farming, wildlife management and game ranching, forest timber extraction, tourism, and mining. It is important to note that there are a number of land uses competing with each other hence the need for a land use plan to serve as a guide for the use and management of land.

1.3 Legal Context

The Matemba Ward PLUP has been developed in accordance with the provisions of the Urban and Regional Planning (**URP**) Act No. 3 of 2015 of the Laws of Zambia. The URP Act is the main legislation that guides planning and related activities in the country. The Act not only provides for the preparation of Integrated Development Plans (**IDPs**) for the development of each district but also provides for the preparation of Local Area Plans (**LAPs**) which are actually Land Use Plans for sections of a settlement, sub-areas, sub-districts or wards within a Local Authority's area. Areas under Traditional Authorities are governed by Section 25 of the Urban and Regional Planning Act No. 3 of 2015 of the Laws of Zambia.

Further, it provides guidance on the development of areas within land falling under customary tenure with the provision of developing planning agreements between traditional authority and relevant government authorities. However, there are other laws and policies that govern Land Use Planning in Zambia which were adhered to during the preparation of Matemba Ward PLUP such as the Mines and Minerals Act No. 11 of 2015, Villages Act of 1972, Chiefs Act, Cap. 287, Agriculture Act, National Decentralisation Policy (**NDP**) of 2013, Forest Act No. 4 of 2015 and Zambia Wildlife Act No. 14 of 2015

2. APPROACH AND METHODOLOGY

The Participatory Land Use Planning in Matemba Ward adopted the USAID Land Use Planning approach, which is a combination of primary and secondary data collection. The secondary data collection method involved reviewing various documents on land use planning and land uses held by various government departments and other cooperating partners. The primary data was collected through village meetings and field activities, through the involvement of traditional leaders, community members and key informants across a range of government institutions and non-state actors. Facilitation of this PLUP was done in the local language in order to contextualise the PLUP to the locality. The whole process was participatory as it involved all stakeholders who were either affected or had interest in the landscape of the project site.

The participatory approach was used in the development of the Matemba Ward PLUP, where various relevant stakeholders were fully involved in the process. Planning was done with the community stakeholders together with their leaders (indunas and headpersons) in consultation with Chief Pembamoyo. PLUP sensitization meetings were held with the Indunas, Headpersons, Matemba Ward Development Committee and community members in order to collect socio-economic and environmental data on livelihood sources and security. These PLUP sensitization meetings were held in five (5) clustered focus group village meetings namely: **Matemba Secondary School, Adyodyo Primary School, Chaoleka Primary School, Chaponda Village and Kasapa Primary School** were represented at the clustered village meeting. Community members in all the five (5) clustered meetings took a leading role in developing sketch maps, problem analysis through pair-wise ranking, identifying shared resources and validation of the maps.

The spatial and attribute data used were collected using mobile-based Open Data Kit (ODK) Collect forms, Android tablets and GLO Garmins while QGIS 3.8.1, Google Earth Engine and ArcGIS 10.5 were used for data analysis.

The data captured is uploaded to the cloud-based server using any wireless connectivity so that data can be uploaded anywhere without necessarily coming to the office, especially when the field teams are camping.

The tablets have stored MB tiles (orthophoto images) with base maps for each district and the Community Facilitators whilst in the field can map any village including all shared communal resources and using the ODK application they can gather data on number of attendees disaggregated as male and female of any village or ward. Any hand-drawn land use maps by the communities are captured and uploaded to the cloud server so that the GIS team at the office can digitise the maps and produce land use maps. Each tablet in order to accurately pick the polygon points is connected to a handheld Garmin Glo Geographical Positioning System (GPS). Each community facilitator ensures that the polygon points are repeatedly captured/deleted until the point recorded is shown to be reasonably in the right location relative to the ortho-photo image.

Although there is capability to manually record the polygon points against the image, or to move captured GPS points, the GIS team may not do so until they meet the community facilitator who was in the field to clarify any captured polygon points issues.

2.1 Stages of PLUP Activity

No.	Activity	Objective	Strategy	Output	Target	Indicator
1	Village Identification (Rapid Village Assessments)	Know the total number of villages in the ward by picking village points	Physical Data Collection in all villages	11 Villages were identified	All Villages within Matemba Ward boundary	Villages falling within the ward boundaries were captured
2	Sensitization to Indunas and Head Persons	Sensitise Indunas and Head Persons to fully accept PLUP	Indunas and Head Persons meeting	27 Indunas from Pembamoyo Chiefdom were sensitised.	All the Indunas in the Ward	Number of Indunas and Head Persons sensitised in the Chiefdom of Pembamoyo
3	Community Sensitization	Sensitise communities on PLUP	Community meetings	One Community Meeting for each of the five (5) Village Clusters.	Community members in all the five (5) Village Clusters	288 Total Number of community representatives sensitised across the ward disaggregated as 126 men and 162 women
4	Shared Resource Mapping	Collect geographical locations of the resources present in the community	Physical Spatial data collection	6 Shared Resource Maps were produced	Matemba Ward	Shared Resource Mapping exercise completed in Matemba Ward

5	Matemba ward resource Map validation	Show the current shared resources, land uses and have the communities confirm the boundaries	Community engagement meetings for validation purposes.	Objections Corrections and Confirmation (OCC) done for the shared resource map in Matemba Ward.	Objections Corrections and Confirmation (OCC) done at the Palace and in all the 5 village clusters	Shared Resource Map validated by the Chief and community representatives in the ward.
6	Future land use planning and Formulation of By-Laws	Develop maps of how communities envisage to sustainably use their natural resources.	Community meetings	Future Land Use Plan developed and By-Laws formulated	The whole Matemba Ward	Future Land Use Plan and By-Laws done
7	PLUP approval	Have the plan approved by all relevant authorities in order to be implemented	Submit PLUP copies to both traditional and local authorities	PLUP approved	Matemba Ward PLUP	PLUP approved by the Chief and Local Authority

Table 1: Stages of PLUP Activity

3. CHARACTERISTICS OF THE MANAGEMENT AREA

3.1 Location of Matemba Ward

Matemba Ward is one of the **nine (9)** wards in Vubwi District, namely: **Mbozi, Chimpanje, Matemba, Vubwi, Mbande, Zozwe, Sindamisale, Mlawe** and **Chisiya**. Vubwi is one of the 14 districts in the Eastern Province of Zambia. It has a surface area of approximately 920 km² and lies between latitude -14.001° South and longitude 32.90° East. It is approximately 620 km East of Zambia's capital city - Lusaka. It borders Malawi on the East, Chadiza District and Mozambique on the South and Chipata District on the West. It is situated about 34 km East of Chadiza District and about 68 km South of Chipata District. Matemba Ward shares the western boundary with Mbande Ward and the eastern boundary with Chisiya Ward. The Northern boundary is an international boundary shared with the neighbouring country of Malawi. The map below shows the location of Matemba Ward:

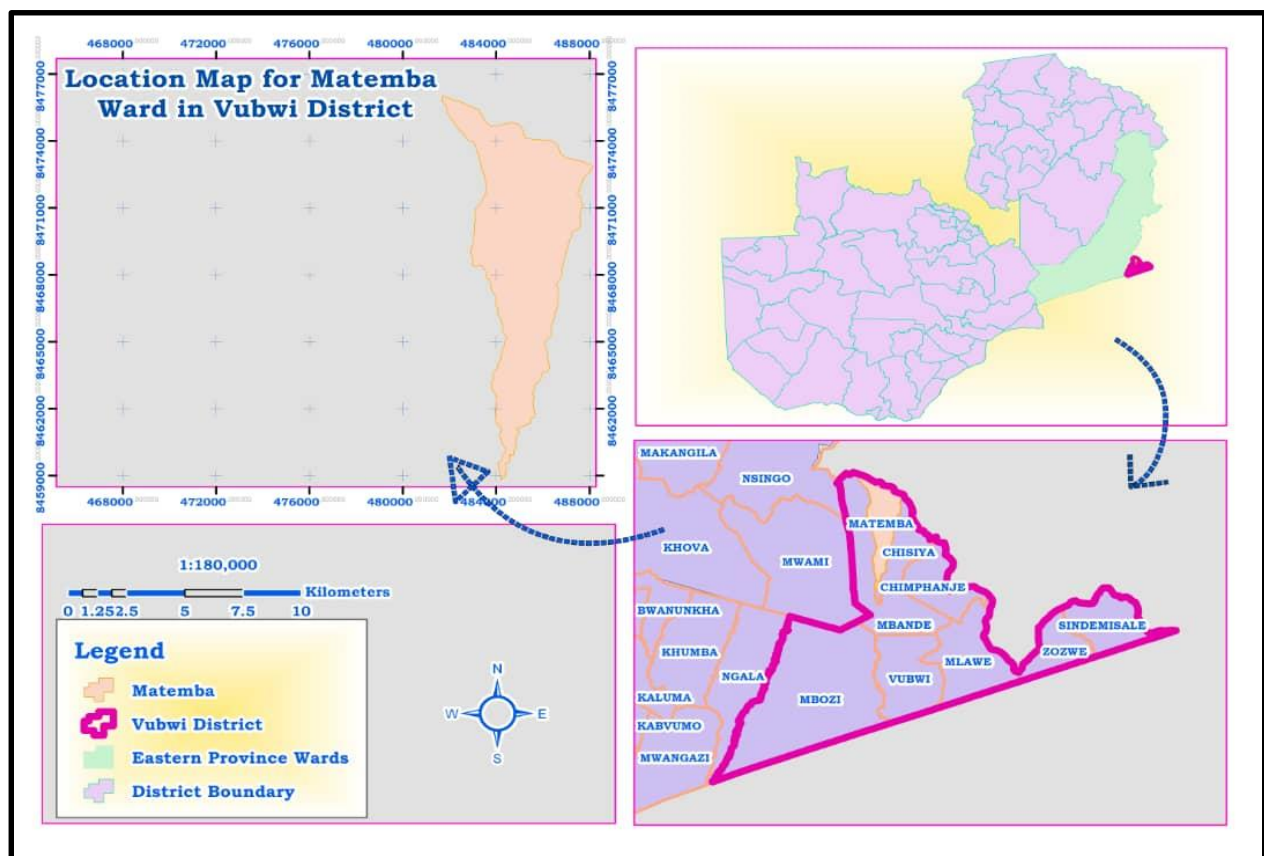


Figure 1: Matemba Ward Location Map

3.2 Climatic Conditions

Matemba Ward is characterised by a **Tropical Savanna** climate which is associated with the tropical wet and dry climate. The summers are much rainier than the winters in Matemba, with an average annual temperature of **21.6 °C** and annual rainfall of **752 mm**.

3.2.1 Temperature

The temperatures are highest on average in October, at around **31.2°C** and lowest in July, with temperature recording of around **10.9°C**. Table 2 and figure 2 below show average temperatures for Matemba Ward:

	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ave. Temp (°C)	22.5	22.3	22.3	21.5	19.7	17.8	17.8	19.7	22.9	24.7	24.5	23.0
Min. Temp (°C)	17.8	17.5	17.1	15.8	13.3	11	10.9	12.8	16	18.1	18.5	18.1
Max. Temp (°C)	27.1	27.1	27.5	27.2	26.1	24.6	24.6	26.5	29.7	31.2	30.4	27.9

Table 2: Monthly Temperature Conditions for Matemba Ward

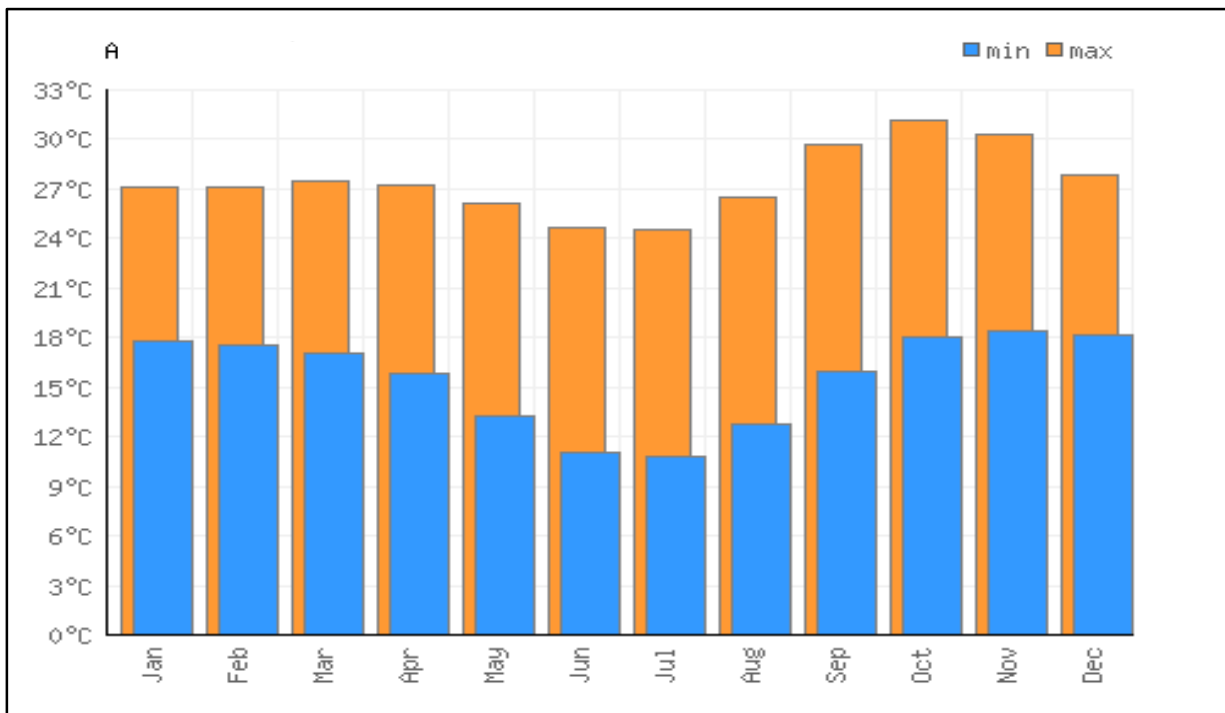


Figure 2: Monthly Temperature Conditions for Matemba Ward

3.2.2 Rainfall

Matemba Ward receives a total annual rainfall of about **752 mm**. There is high rainfall recorded during the wet season from November to February with average rainfall between **80-255 mm**. The variation in the precipitation between the driest and wettest months is **120 mm**. Figure 3 below shows rainfall patterns for Matemba Ward:

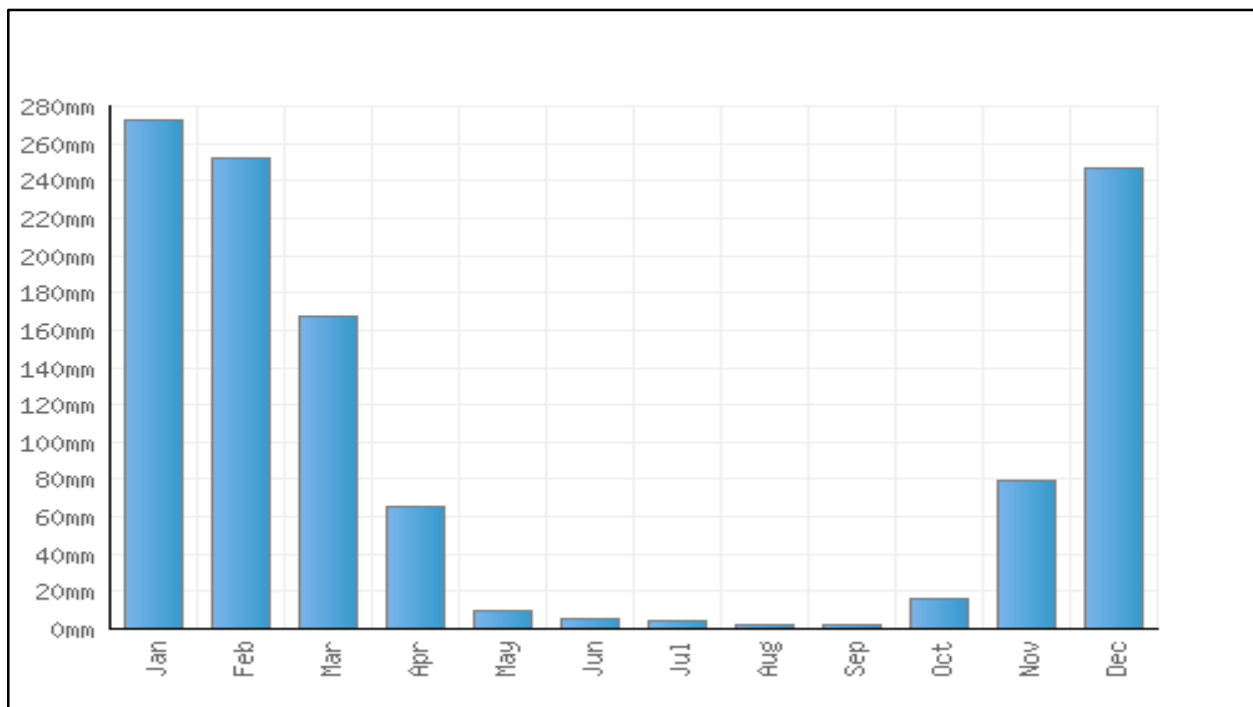


Figure 3: Annual Rainfall Pattern for Matemba Ward

3.2.3 Ecological Zone

Zambia, as a country, is divided into three main Ecological Zones, which are: **Zone I**, **Zone II** and **Zone III**. Vubwi District is characterised by the **Ila** Ecological Zone. Matemba Ward, being located in Vubwi District, falls under the **Ila** Ecological Zone, which is characterised by annual rainfall of between **800-1000 mm**, and has a growing season of **100-140** days. This Ecological Zone supports growth of medium and late-maturity crop varieties such as maize, soya beans, groundnuts and other leguminous plants. The figure below shows the different ecological zones of Zambia:

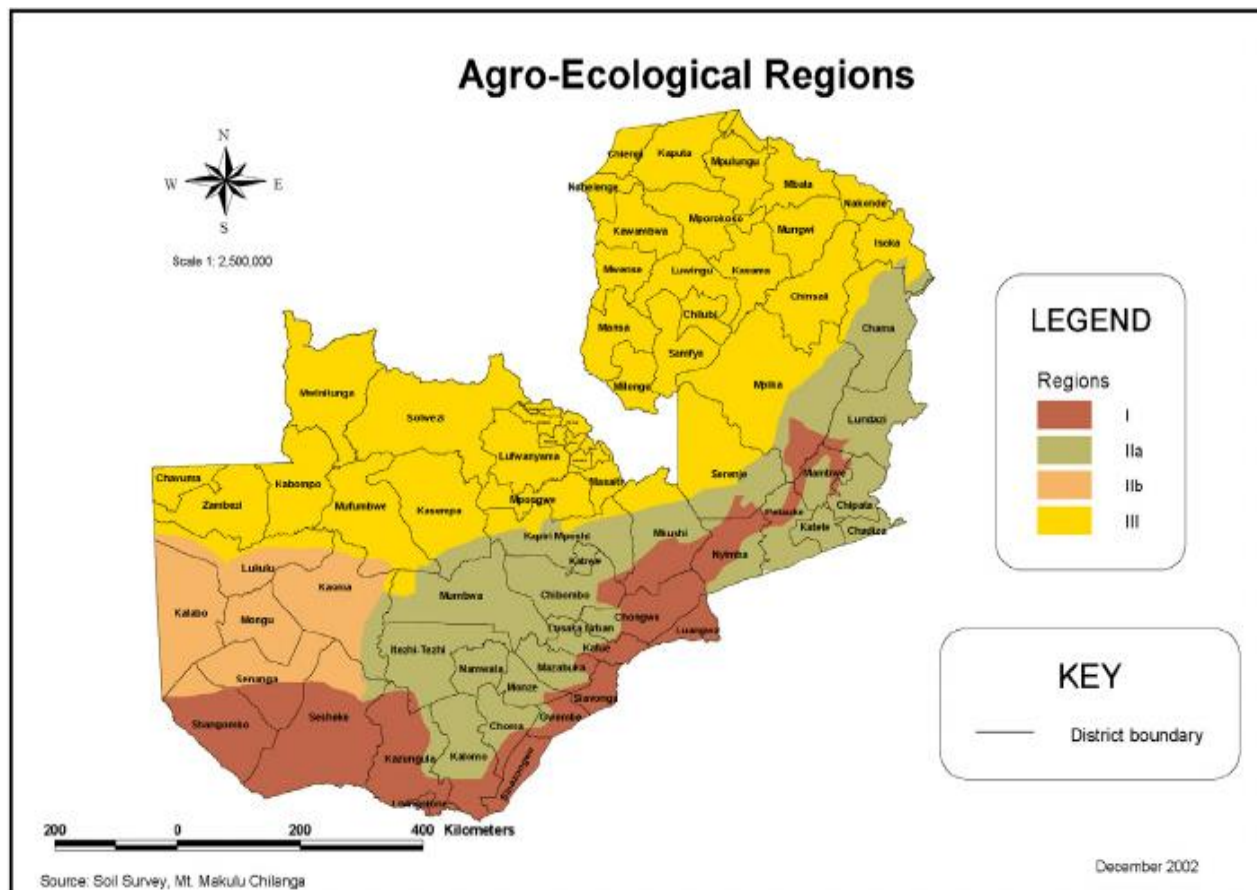


Figure 4: Agro-Ecological Zones

3.2.4 Soil Types

Vubwi District is covered by 2 Soil Zones, namely: **Acrisols** and **Lithosols**. Matemba Ward is covered by Acrisols. Thus, all agricultural activities in Matemba Ward are done in the Acrisol soils. The figure below shows a map of Matemba Ward Soil Type:

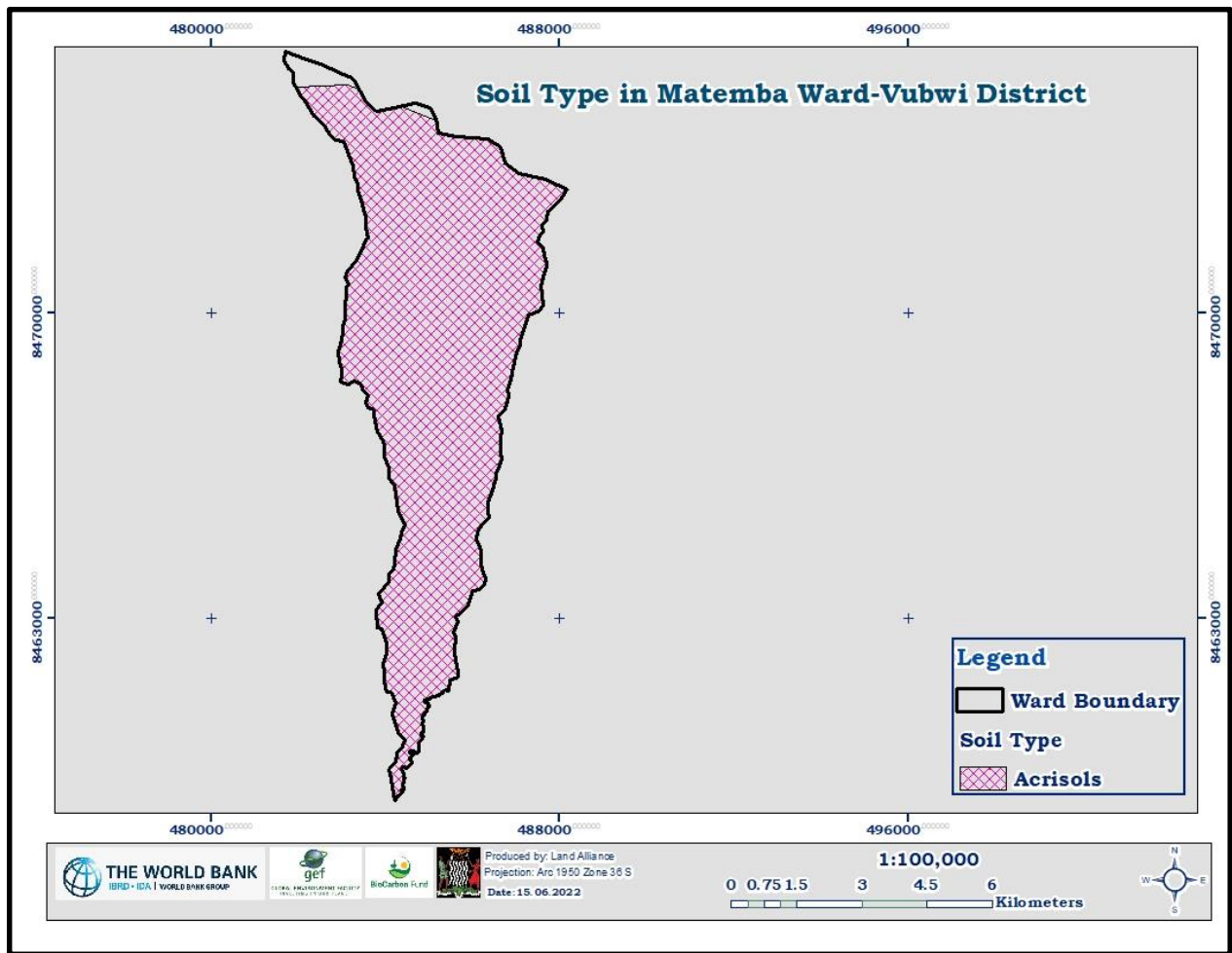


Figure 5: Matemba Soil Map

3.3 Socio-Economic Environment

Matemba Ward covers a total area of **4,356.0** hectares. Settlements in the ward overlap with some villages in Malawi. Settlements in the Ward are dispersed with poor road networks, especially during the rainy season, as the areas become inaccessible because streams flood and there are no bridges/culverts (Vubwi IDP, 2021). Based on the village geo points collected, the ward has a total of **11** villages. Since Matemba is a newly created ward that was once part of Chisiya Ward, there is no information on the population size.

3.3.1 Population Projection

Since Matemba is a newly created ward after the Electoral Commission of Zambia (ECZ) delimitation exercise of 2016, the population for the ward could not be established. However, for the purposes of projecting future services and land use needs, national population projections in Vubwi District stand at 2.8% Growth rate as per 2017 Zambia Census projection (Vubwi IDP, 2021).

This projected increase in population will not only require land for development of infrastructure and other services but will also increase pressure on ecologically sensitive areas such as forests and hills that serve as catchment areas as well as water recharge areas. This entails that more land will be opened up for agricultural and other economic purposes, which will potentially lead to forest degradation and loss of biodiversity, consequently contributing to severe climate change and its related effects. However, the impact of anticipated increase in agricultural and other economic activities on land can be managed through the promotion and adoption of Climate Smart Agriculture (CSA) practices, aimed at reducing agricultural land expansion while increasing crop yields.

3.3.2 Social Facilities

Matemba ward currently has **six (6)** schools - five (5) primary schools and one (1) secondary school - which service the local residents of the ward.

The ward only has one (1) health facility which provides health services for the locals. The map below shows the spatial distribution of social facilities in Matemba Ward:

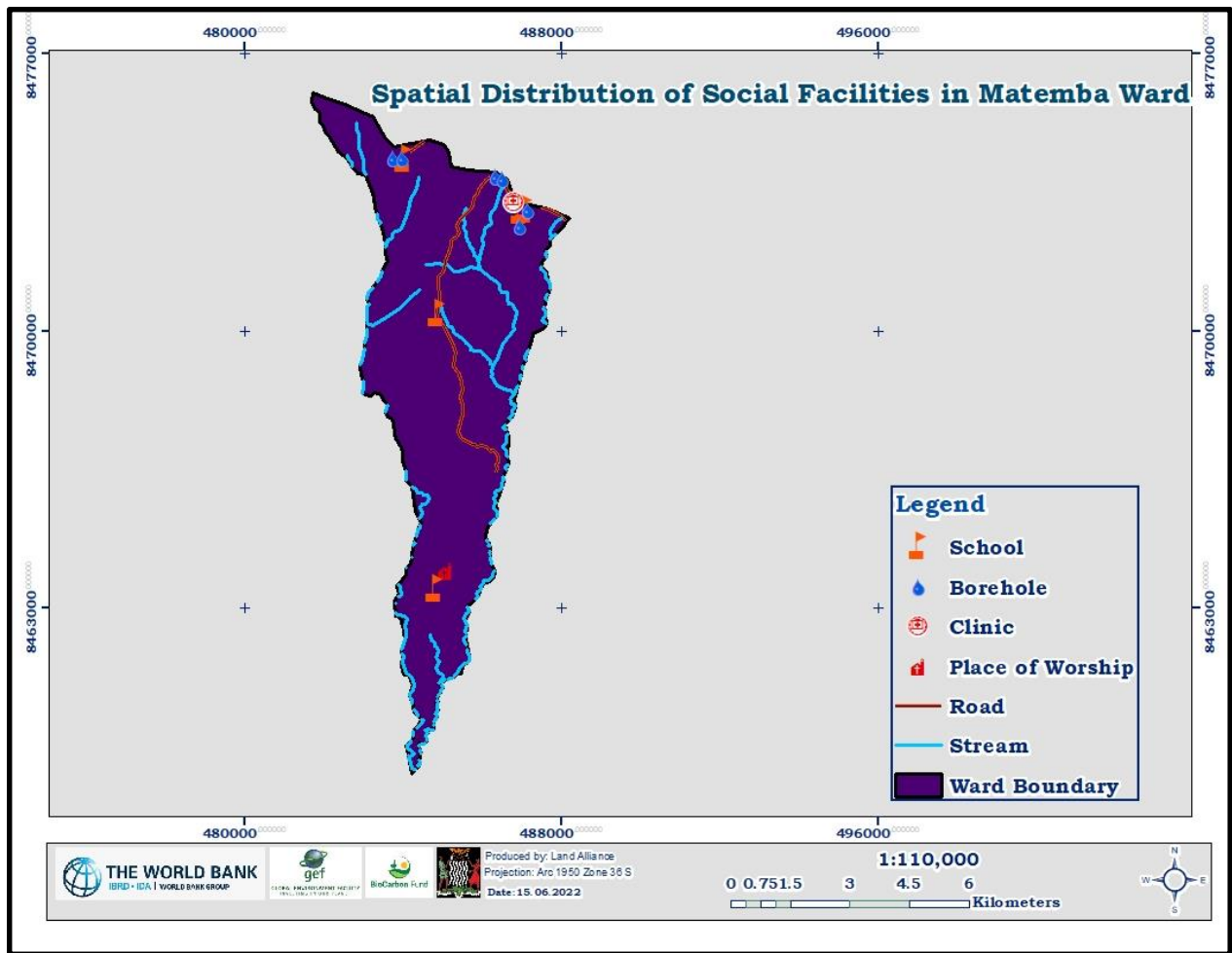


Figure 6: Spatial Distribution of Social Facilities in Matemba Ward

3.3 Sources of Livelihood

Livestock keeping and subsistence farming are the predominant livelihood activities in Matemba Ward, with soya beans, maize, sweet potatoes, sun flower, tobacco, cotton and groundnuts being the main crops grown. Animals reared by the local residents of Matemba Ward include cattle, pigs, goats, sheep, chickens, and ducks. The products are either sold to the Food Reserve Agency (FRA) or in urban centres of Chipata. The communities in Matemba Ward also survive on harvesting non-wood forest products such as fruits, caterpillars, mushrooms and honey among others.

3.4 Livelihood Security

Livelihood security is the secure adequate access to resources as well as income generating activities to meet basic needs and it is shaped by the changing natural environment (Kassa, 2018). Securing the livelihoods of Matemba Ward residents is closely related with the limited development of economic opportunities in the area because most, if not all, residents depend on undiversified sources of livelihood based on rain-fed agriculture.

Livelihood security is often influenced by possibilities to diversify livelihood sources. If there are diversified livelihood sources, chances of attaining livelihood security are high. However, the over-dependence on agriculture as a livelihood source has contributed to the continued soil degradation. This is because local residents open up new fields by cutting down trees once soil fertility in their old agricultural fields is reduced due to unsustainable agricultural practices, leading to deforestation, which has a negative effect on the climate and the soil. These activities lead to massive deforestation, a contributing factor to climate change, which affects rainfall patterns. The changing rainfall patterns affect agricultural productivity, thereby endangering the food security of the local people of Matemba Ward.

3.5 Livelihood and Natural Resource Utilisation

Sustainable Livelihood refers to a livelihood that can cope with and recover from stresses and shocks, maintain or enhance its capabilities and assets both now and in the future, while not undermining the natural resource base (Ayantoye et al, 2017). The over-dependence of Matemba Ward residents on agriculture has led to increased pressure on the natural resources, especially land being the means of production for agricultural-based sources of livelihood. This unsustainable natural resource utilisation for survival, such as cutting down trees for field expansion, leaves the lands bare, thereby resulting in soil degradation, which, in return, affects productivity.

On the other hand, farming practices adopted by the locals contribute to soil degradation, forcing them to abandon old fields and open up new ones with a view to increasing yields. Thus, adopting conservation farming is encouraged so that one field can be used over and over without affecting

the yields. This, in turn, will reduce the rate at which new agricultural fields are being opened up, thereby conserving trees.

Increase in population has equally contributed to unsustainable natural resource usage in that community members clear land for purposes of settlements and agriculture because their livelihood is entirely dependent upon farming. Thus, they either clear land for field expansions. Additionally, the majority of Matemba Ward has no access to electricity, hence local communities depend on wood fuel for their energy use. Thus, the high demand for firewood contributes to the rampant cutting down of trees. Trees (forest) serve as natural habitats for various wild animals, birds and insects which get affected when their habitat is cleared. These animals, birds, and bees have the capability to serve as alternative livelihood sources through careful management. For example, the locals can venture into beekeeping in the hills in Matemba as a way of generating extra income. However, the clearing of trees for settlements and agriculture has led to the disappearance of biodiversity in the area.

3.6 Livelihood Constraints and opportunities

Agriculture is the major livelihood activity in Matemba Ward. However, due to climate change the area has been experiencing late onset of rains, occasional dry spells and floods which have affected yields, thereby affecting the livelihood and food security of people. However, there are opportunities to improve the yields through practising climate smart agriculture, which ZIFLP, through the Ministry of Agriculture, has been implementing in the Ward. Additionally, communities can be encouraged to form cooperatives or groups which various stakeholders can support to venture into environmentally-friendly projects such as tourism-related projects and value addition projects to process raw products and sell them as finished products. In order to minimise the livelihood constraints in the ward, sustainable investment in agro-industries to enhance value addition and the establishment of market infrastructures are of great importance. These can, in turn, improve food security and aid in poverty reduction through exploration of alternative sources of livelihood. The table below summarises the constraints and opportunities in Matemba Ward:

Constraints	Opportunities
<ul style="list-style-type: none"> • Low agricultural yields due to poor farming practices • Lack of initial startup capital • Lack of alternative livelihood sources • Poor road network to access some villages • Lack of electricity 	<ul style="list-style-type: none"> • Switching to climate smart agriculture • Venturing into value-addition activities • Establishment of market infrastructure • Construction and rehabilitation of roads • Investment in green energy e.g. solar

Table 3: Livelihood Constraints and Opportunities

3.7 Biodiversity Hotspots

The sustainable use and protection of biodiversity is an integral component of successful Land Use Planning. There is a need to identify the existing biodiversity together with the local population. Any conflicts of interest must be brought out and resolved leading to greater social acceptance. LUP is one of the tools utilised in biodiversity protection as it helps in identifying existing biodiversity and also creates a broad consensus on the sustainable use of natural resources leading to the conservation of biodiversity. Matemba Ward has various biodiversity hotspots and the following hotspots were identified during the PLUP preparation process:

3.7.1 Streams and Dams

Matemba Ward has several seasonal and year-round streams and no dams. These water bodies, which are biodiversity hotspots, can be protected by the enforcement of by-laws which restrict bad farming methods and also encourage adherence to the 50m buffer zone rule around water bodies as stipulated in the Environmental Management Act.

3.7.2 Forests

Matemba Ward has **one (1)** forest, **8** hills and **2** woodlots. These hills, woodlots and forest are biodiversity hotspots which need protection and conservation. The forest, woodlots and hills are frequently affected by bushfires either as a result of mouse hunting or clearing of fields. Restriction of burning of fields to months between August and October of every year as well as

by-laws prohibiting bushfires and expansion of fields and settlements can help in protecting these hills, woodlots and forest in Matemba Ward.

The map below shows the biodiversity hotspots in Matemba Ward that were identified during the PLUP preparation process:

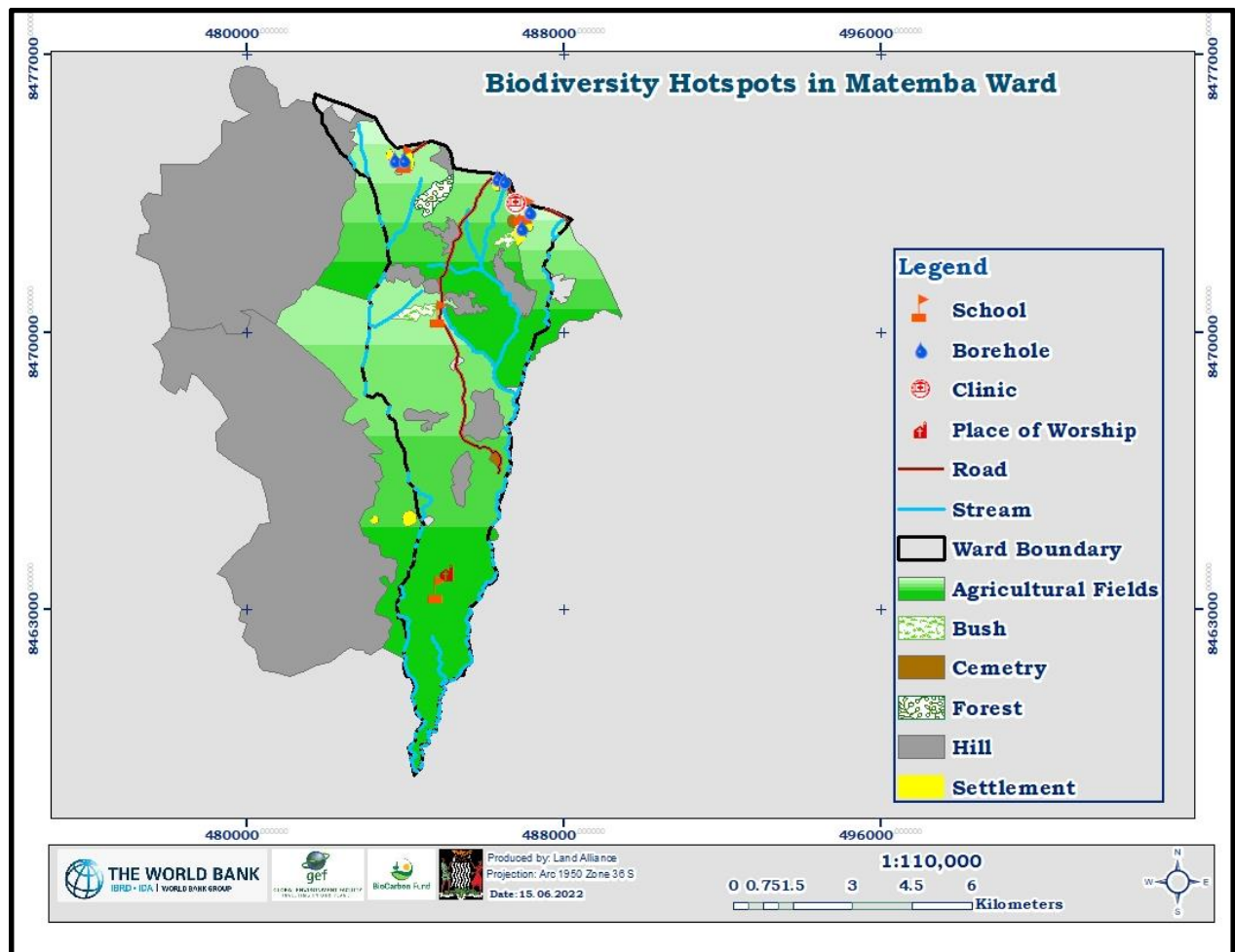


Figure 7: Biodiversity Hotspots

3.8 Ecosystem Function

Ecosystem function is the capacity of natural processes and components to provide goods and services that satisfy human needs, either directly or indirectly (de Groot et al 2002). Although unsustainable agricultural practices and charcoal production in Matemba Ward are the main factors transforming the natural resource base (which in turn affects the biodiversity due to habitat loss), unplanned settlements and soil degradation have also led to disturbance of the

ecosystem. Further, poor livestock grazing area management has continued to cause a decline in the ecosystem.

4. CURRENT LAND USE PATTERNS

4.1 Overall Land Use

Matemba Ward has one (1) forest and 8 hills and the main land uses are as shown in table 5 below where agriculture is leading, followed by hills, settlements, forest and bush (woodlot). However, it is worth noting that some shared resources overlap the ward boundaries, meaning that communities share these resources. Shared resources need to be considered in relation to existing key stakeholders who live adjacent to them. The table below shows the different land uses, the area sizes and the percentages of the whole ward:

No.	Land Use	Hectares	% Coverage	Comment
1.	Total Ward Area (ha)	4,256.0		This is the total area of Matemba Ward.
2.	Agriculture	3,658.5	85.96%	This is land under cultivation.
3.	Forest	47.6	1.1%	Land classified as forest.
4.	Settlements	85.5	2.01 %	These include villages and other built-up areas such as Schools, Health Facilities, Cemetery, Football Pitches, Markets etc.
5.	Hills	376.9	8.86%	Hills not designated as forests but also not used for human settlements or agriculture
6.	Bush (Woodlot)	34.5	0.81%	Land classified as community woodlots.

Table 4: Land Use Reservation

4.2 Land Use Suitability Analysis

This is an analysis that was done to identify the suitability of Matemba Ward for agriculture as a land use. The analysis focused on agriculture as a whole and not necessarily evaluating the individual crops grown in the Ward and it was based on the soil types found in Matemba.

4.2.1 Soil Type Agricultural Suitability Analysis

There are 2 Soil Zones within Vubwi District, namely: **Acrisols** and **Lithosols**. Matemba Ward is covered by **Acrisols** (Loamy soils). The Acrisol Soil Zone is characterised by rich clay subsoil mostly associated with humid tropic climate and often supports forested areas. Acrisols are easy to till but are characterised by low fertility, low water holding capacity and more toxic amounts of aluminium, which make them unsuitable for agriculture (Peter Schad, 2006). The entire Matemba Ward is covered by Acrisols (Loamy soils). Agricultural activities in Matemba Ward are, therefore, done in these Acrisols (Loamy soils). Figure 9 below shows areas of agriculture and soil types in Matemba Ward:

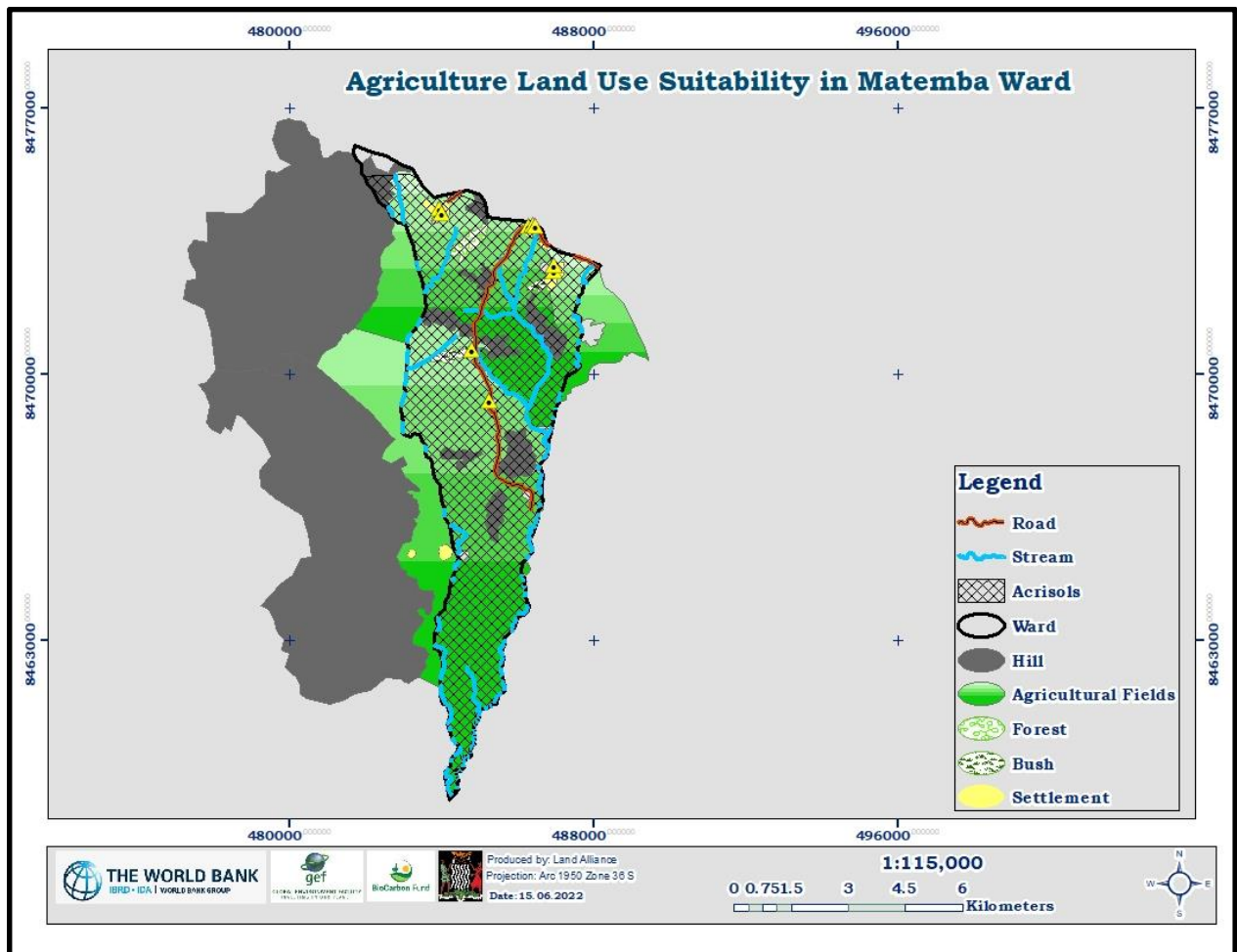


Figure 8: Matemba Ward Agricultural Suitability Analysis Map

4.3 Land Resource and Administrative Boundaries

The land resources captured during the PLUP process under Matemba Ward may spill over into other surrounding wards (such as Chisiya and Mbande). However, despite the overlapping of these shared resources between wards, local people in areas around Matemba acquire their services from Matemba Ward. The map below shows the land resources in Matemba:

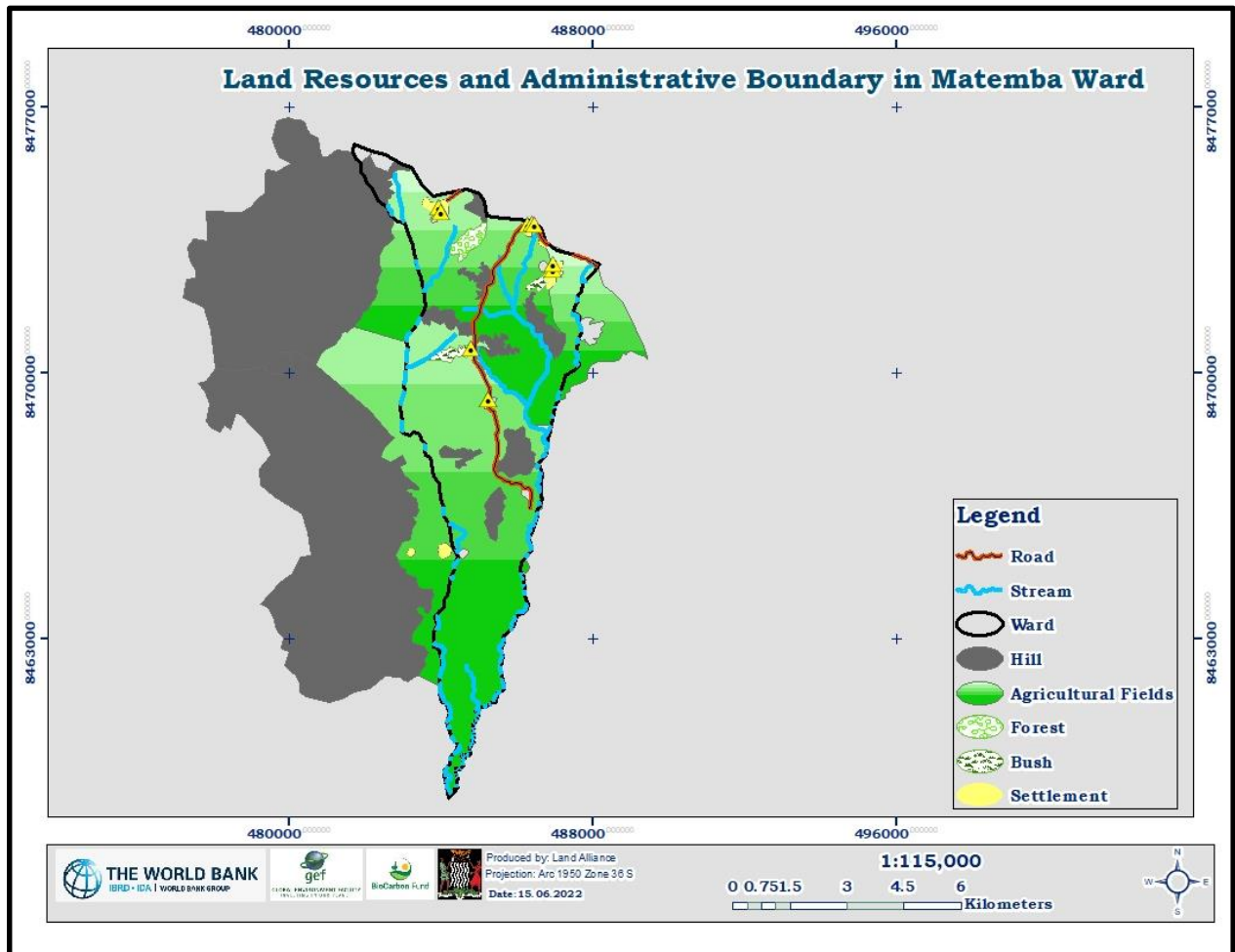


Figure 9: Land Resource and Administration Boundaries

4.4 Current Land Uses

In terms of land use activities, Matemba Ward is mainly covered with agricultural fields, hills, settlements (villages) and areas for social services such as schools, clinics, places of worship and other communal services like cemeteries, roads and streams. The map below shows the current land uses in Matemba Ward:

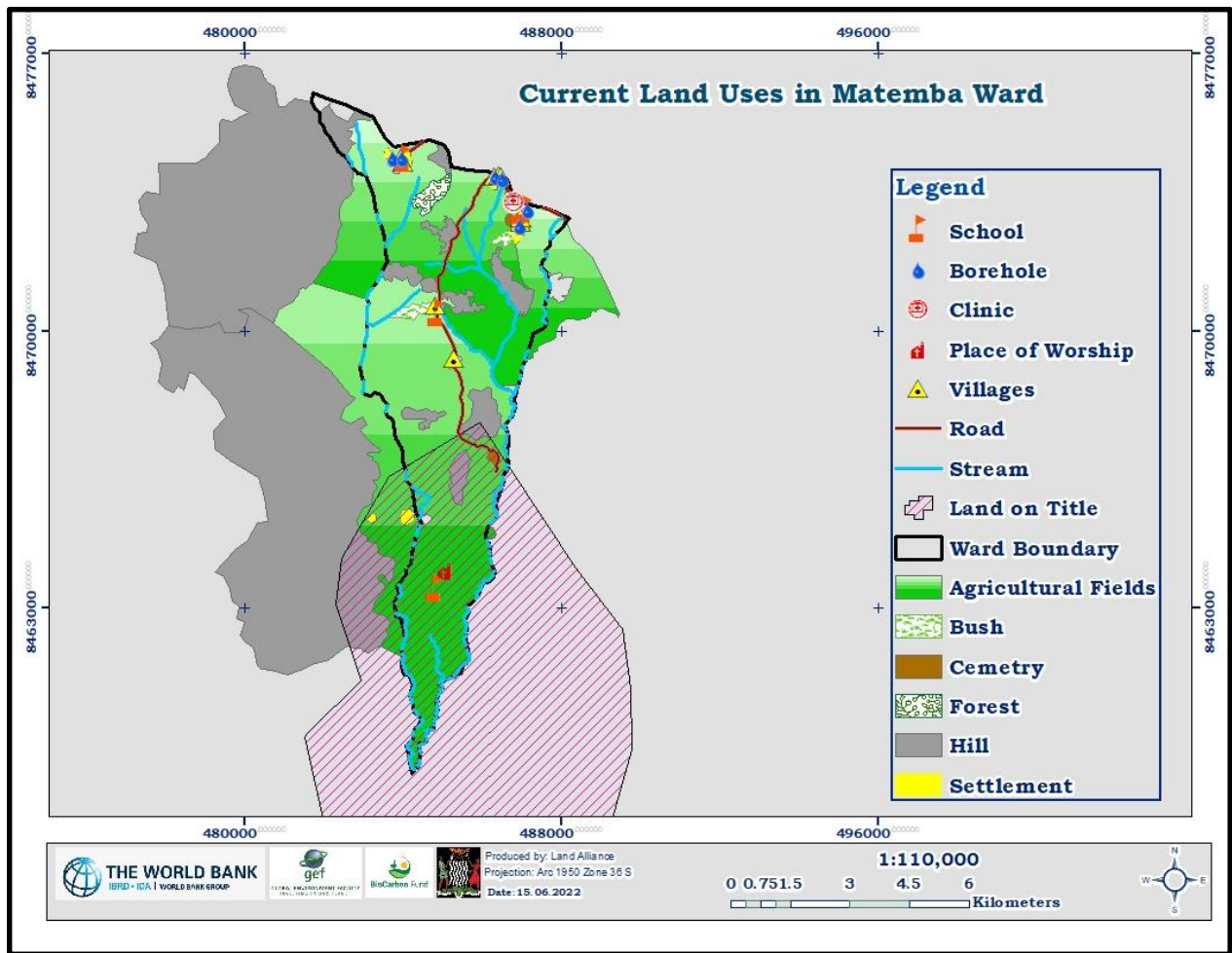


Figure 10: Current Land Uses

4.5 Land Use and Agriculture

Agriculture is the most common land use in Matemba Ward. Most of this land is under Climate Smart Agriculture supported by the Government. The map below shows areas of Matemba that are used for agriculture:

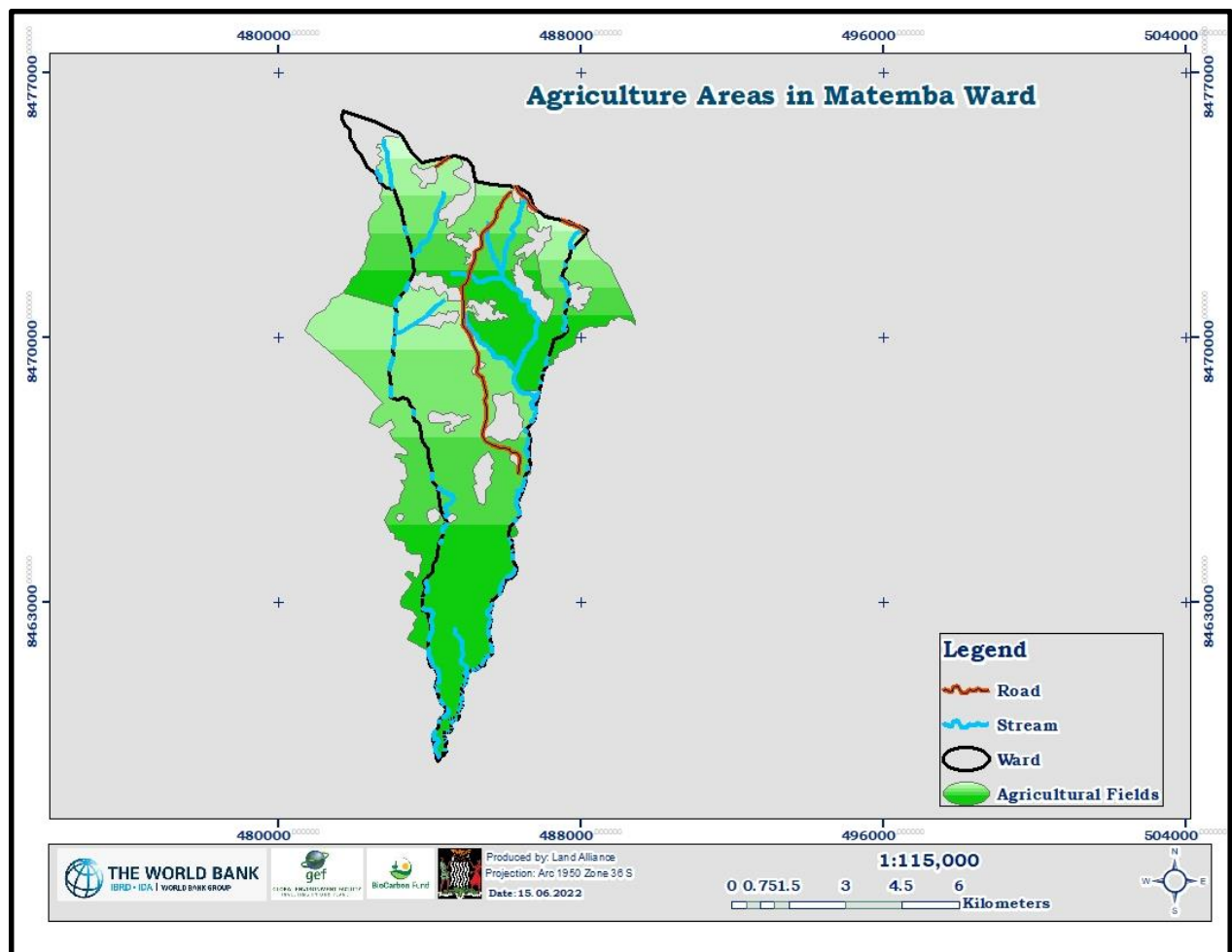


Figure 11: Land Use and Agriculture Map

4.6 Land Use and Forest

The purpose of protecting forests is to provide for conservation and development of forest with a view to securing supplies of timber and other forest produce, protection against floods, erosion and desiccation, withering and maintaining the flow of rivers.

During the community engagement exercise, the majority of community members proposed Matemba A and B hills to be community forests, although Matemba A is an already established forest. Communal effort would be required to revamp these forests to ensure sustainability of conservation efforts.

In as much as areas for conservation are set aside by the community, there is need for awareness on the effects of indiscriminate cutting down of trees on the hills and along the water bodies

where there is riverine vegetation. This will mitigate erosion and siltation in order to enable the water bodies in the area to restore and hold water for a long period even during the drier seasons. The trees along the river banks will also be conserved in order to prevent streams from drying up early and this will result in the rise of the water table. The map below shows the forest, woodlots (bushes) and hills of Matemba ward:

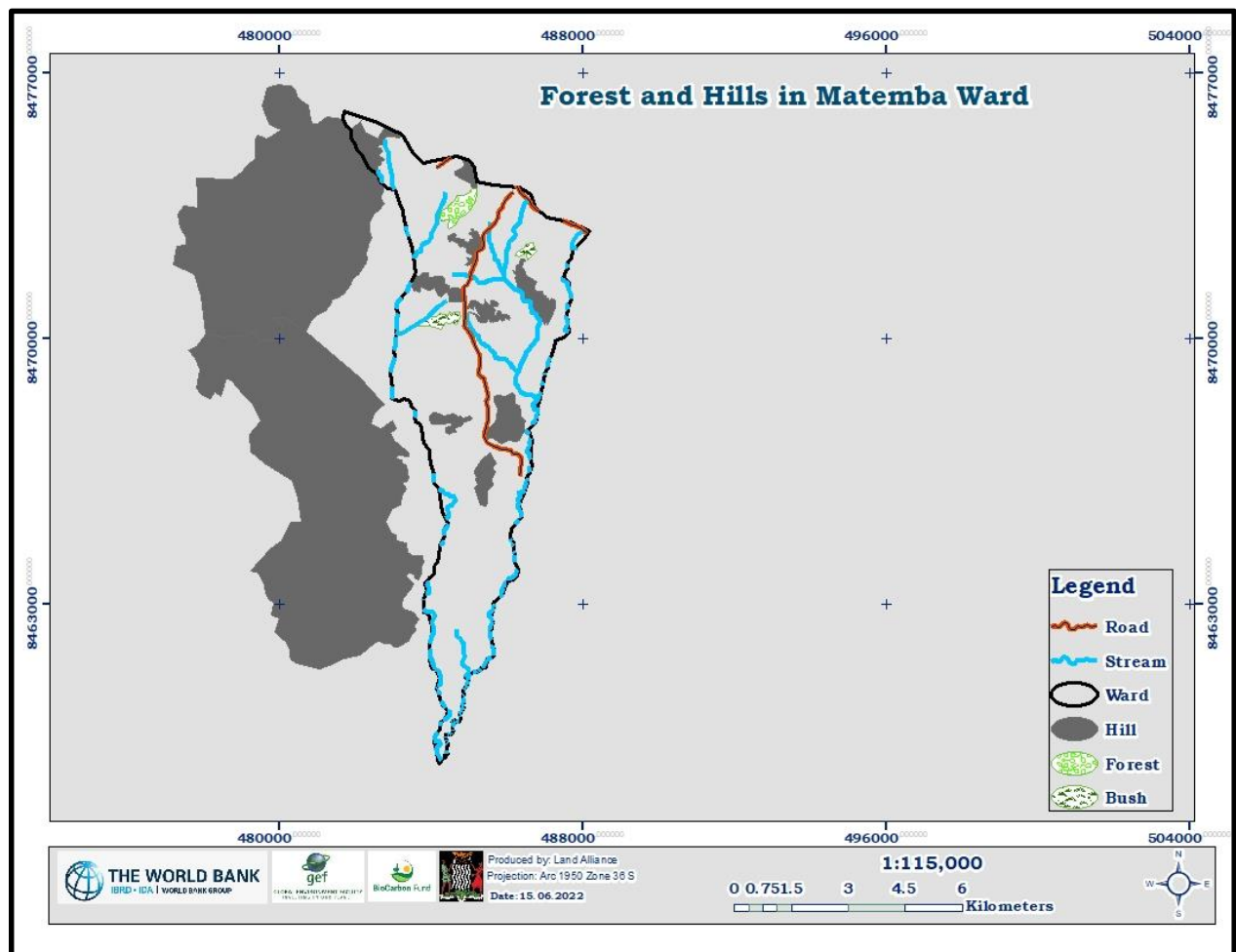


Figure 12: Matemba Ward Bushes and Hills

4.7 Land Use and Wildlife

Historically, there were a lot of animal sightings and presence of wildlife in Matemba Ward, this was attributed to an enabling vegetation cover, lower human population, smaller agricultural fields and respect for nature by the local people through traditional authority. Currently, large mammals are rarely sighted in the area. However, the commonly sighted small animals are

rabbits. During the community engagement activity, it was suggested that one way to restore wildlife in the area is by enhancing forest conservation.

4.8 Land Use and Mining

Though it is silent, there are illegal mining activities happening in the area. These activities are happening in the name of exploration. The people in the area are so sensitive to make mention of these developments for fear that once the government knows there are minerals in Vubwi, the chances are high that they can be displaced.

4.9 Land Use and Tourism

There are currently no tourist attraction sites or activities in Matemba Ward.

4.10 Land Use and Physical Development

Matemba Ward is very behind in terms of physical developments. It is important to note that Vubwi was recently recognised as a district and has no Central Business District (CBD) to date, which prevents the district from having several physical developments. Though there are no sound developments in the area, there are physical structures such as schools, health facilities, churches and settlements.

The Ward has four (4) primary schools, namely: Matemba Primary School, Adyodyo Primary School, Chaoleka Primary School and Kasapa Primary School. Matemba Secondary School is the only secondary school in the ward.

There is only one (1) health facility in Matemba Ward, namely: Matemba Health Center. The map below shows the physical developments of Matemba Ward:

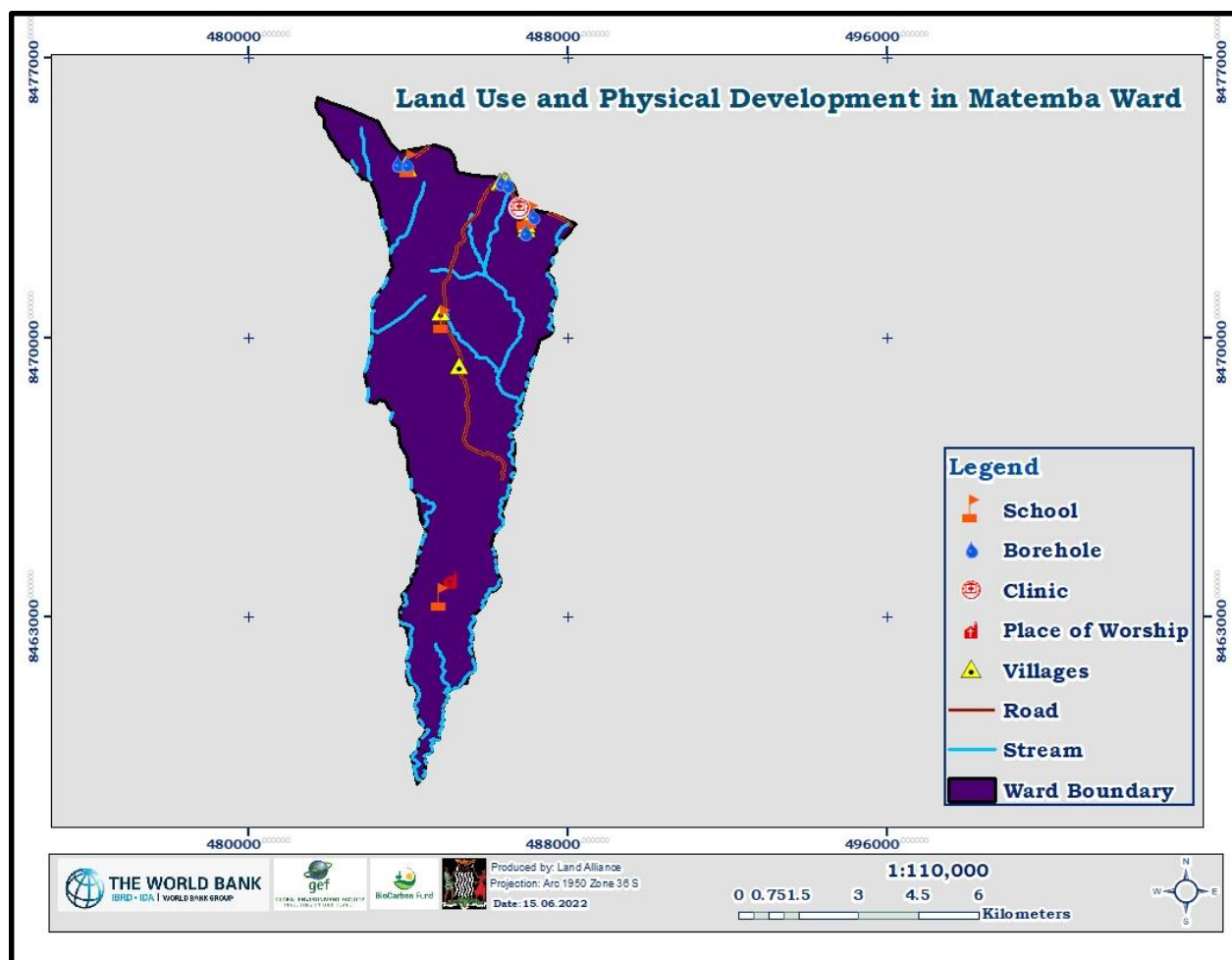


Figure 13: Land Use and Physical Development

5. COMMUNITY PARTICIPATION

5.1 Community Engagement Process

Before the commencement of community engagement meetings, the DMTs were oriented in Participatory Land Use Planning with a lens of SBIA. The PLUP training workshop was conducted for five days, facilitated by officers from the Physical Planning Unit, Provincial Administration and officers from Land Alliance, a Technical Service Provider engaged to facilitate Participatory Land Use Planning in Eastern province. DMT staff from Vubwi were trained in facilitation of PLUP. At the end of the training, the DMT was guided to prepare an action plan and budget to be used for facilitating PLUP activities in Vubwi District.

In the initial stages of PLUP activities in Matemba, Chief Pembamoyo was identified to be the custodian of land in Matemba Ward. The team went to the Chief to explain and solicit support for implementation of PLUP in the Ward falling under his Chieftdom. He expressed happiness and promised to offer support during the whole process of PLUP. He provided responsible Indunas to work with.

Community engagement and participation is cardinal to the success of every community project, as it inculcates project ownership and sustainability. PLUP in Matemba Ward was embarked on through a series of community engagement meetings which involved meetings with the Chief, Indunas, Headpersons and eventually the community at large in sharing the PLUP concept so that Free Prior Informed Consent (FPIC) could be adhered to.

Since Matemba Ward has villages which are far stretched apart, community engagement meetings were held at four designated villages. This was done to ensure that many members of each village community attended for the purpose of getting acquainted with the PLUP concept and getting first-hand information for better and uniform decision making processes in each respective community stretching across the whole Ward.

Community engagement meetings were held in three phases as follows:

First Phase: consisted of the first village meetings. During the first village meetings, community members were exposed to the concept of PLUP which involved community identification of shared resources, identification of problems affecting the management of resources, sketch mapping of these resources and other spatial features. Participants were guided in drawing sketch maps that depicted resources in their area. To enhance participation, participants were put in four separate groups of youths, women and men. This allowed peer-to-peer interaction among participants during the exercise. After drawing the sketch maps, one representative from each group was asked to present the maps before the meeting.

The maps revealed a number of resources, natural and man-made, that were in Matemba Ward. These resources included streams, hills, community forests, schools, churches, fields, graveyards, roads etc. After the exercise, facilitators captured images of the maps and original copies were left with the communities. The pictures below demonstrate the steps during this phase:



Second Phase: Consisted of rapid village assessments where village coordinates were captured by the enumerators in the company of Indunas so that Shared Resource Maps can be digitised and produced. Below is a picture showing the village points collected.

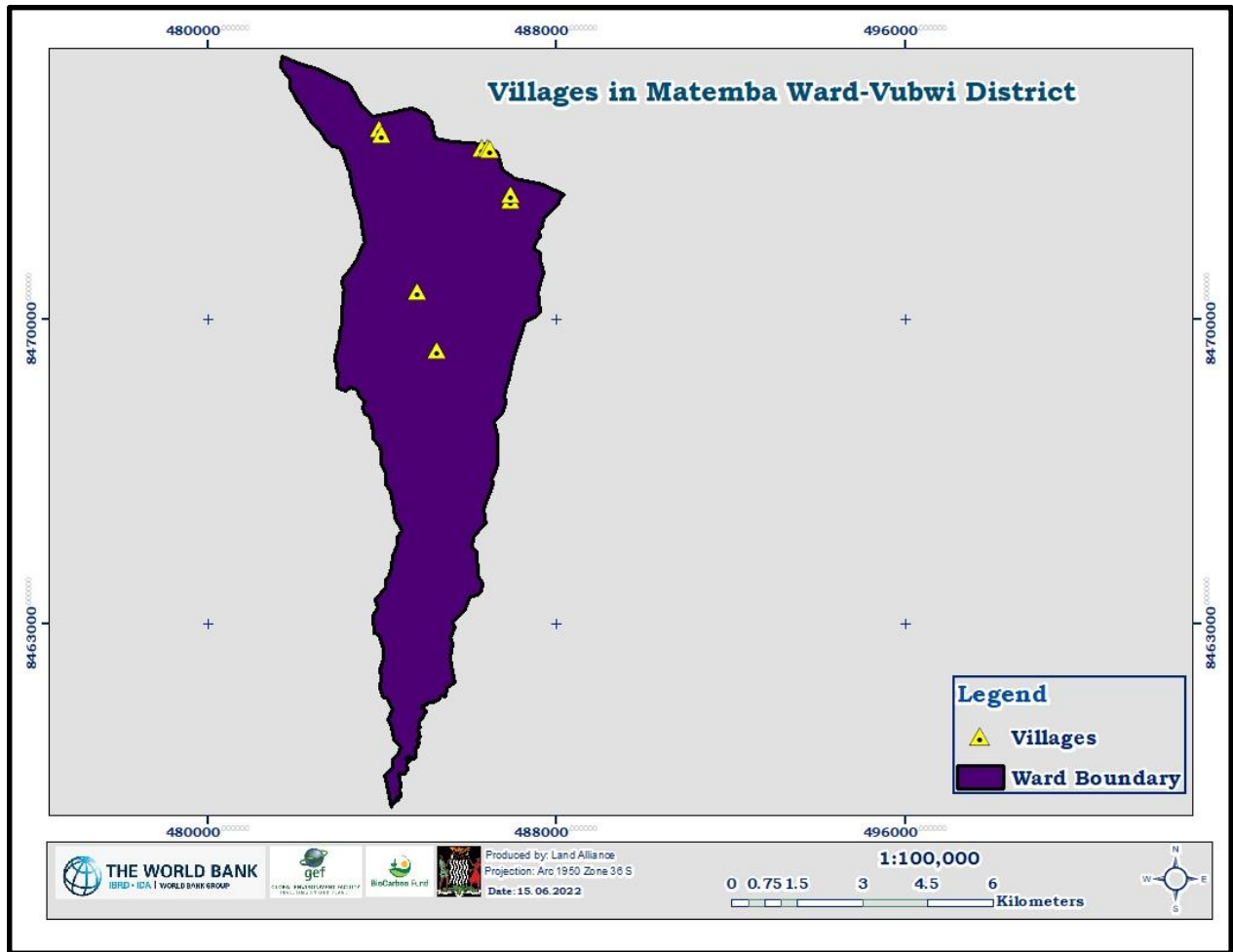


Figure 14: Map of Rapid Village Assessments Exercise

Third Phase: In this phase community engagement meetings were also conducted for the verification of the digitised Shared Resource Maps in all the villages. This presented an opportunity for the community members to make objections, corrections and additions on the earlier submitted shared resource information. Community engagement meetings also involved zoning activities in all the village areas for future land uses. Members of the community were involved in the mapping of the proposed future land use areas. It was during the third phase of community engagement that Resource Governance Rules were also formulated for approval by HRH Chief Pembamoyo. Below are pictures showing communities validating the mapped resources and proposing areas of conservation:



The attendance registers for each meeting have been attached in Annex 3.

5.2 Agreed Local Rules for Land Use and Resource Management

Prudent management of natural resources where the residents derive much of their livelihood in the rural communities is a daunting task in the absence of agreed upon local rules for land use and resource management. The formulated by-laws for Matemba Ward aimed at facilitating the prudent use of local resources are attached as Annex 1.

5.3 Problem Identification

There are several challenges that rural communities face and Matemba residents are no exception. The most prominent challenges are:

- Indiscriminate cutting down of trees due to unsustainable agriculture practices.
- Poor road network
- Inadequate water supply due to lack of dams in the ward
- Persistent Droughts
- Lack of tenure security due to undocumented tenure rights.
- Marginalisation of the vulnerable groups such as women and youths.

Issues affecting land use in Matemba Ward were captured during the clustered community meetings which were conducted. The problems, causes and suggested solutions to the problems faced by residents of Matemba Ward are as outlined in the table below:

Problem	Causes	Possible Solutions
<ul style="list-style-type: none"> • Inadequate safe water sources • Drying of streams • Delayed rains • Loss of soil fertility • Reduced crop yield • Shortage of land for agriculture • Poor roads • Deforestation • Lack of connectivity from Zambian network • Inadequate school infrastructure • Shortage of hospital maternity wing facilities • Inadequate power supply 	<ul style="list-style-type: none"> • Seasonal streams and late onset of rains • Siltation • Changing climate • Land degradation • Unsustainable agricultural practices • Ignorance • Lack of investment in road construction • Lack of by-laws • Lack of alternative sources of livelihood • Inadequate communication towers • Lack of investment in school and hospital construction • Slow coverage in rural electrification projects 	<ul style="list-style-type: none"> • Drilling of boreholes and Dam construction • Adopting conservation farming practices • Adopting climate smart agriculture practices • Rehabilitation/construction of roads and related infrastructure • Skills training in mushroom conservation and bee keeping • Installation of Communication Towers. • Construction of maternity wing at health facility • Expansion of the rural electrification to most of the villages in Matemba ward

Table 5: Problems Identified

6. CORE ISSUES AFFECTING LAND USE AND THE ENVIRONMENT

At the five clustered community meetings held at **Chaoleka Primary School, Matemba Day Secondary School, Adyodyo Primary School, Kasapa Primary School** and **Chaponda Village**. Members across villages in Matemba Ward identified various problems affecting them. During this session, participants were guided on how to prioritise the identified problems. This was done through pair-wise ranking, which involved participants comparing a particular problem against each of the other identified problems. This was done to help communities to identify and rank problems in order of importance and gravity so that core problems could be identified for intervention. This activity revealed the actual core problems to be addressed (see table 6 above), as the others identified as problems were simply the results of the core problems.

The quest to increase crop production often leads to expansion of agricultural fields and consequently encroachment into gazetted forests.

The high levels of poverty in the Ward make communities heavily dependent on fuelwood and charcoal. The identified alternative sources of energy such as gas stoves and cook stoves are unaffordable and extensively unavailable.

Land tenure regarding communal/shared resources is often misunderstood because the communities claim that trees in the wild in general do not belong to anyone. In addition, bush fires were identified as key drivers to deforestation and land degradation. There is a general belief held among communities that bush fires, being a long-term part of the community's land and forest management system and a historical part of their culture, does not significantly affect bushes in a negative way.

Participants were further guided to identify the causes of such problems. This was done to make them realise that there was a human activity element related to the problems. Facilitators summed up the activity by explaining that some of the problems identified, especially those related to the environment, were as a result of lack of Land Use Planning.

6.1 Lack of Safe Water Sources

Residents of Matemba Ward mainly depend on boreholes and water wells for water, although most of the boreholes are limited to areas around schools and health facilities. As a result, those living far from such facilities have challenges in accessing water, especially that most streams in the Ward are seasonal. The map below shows the distribution of water points in Matemba:

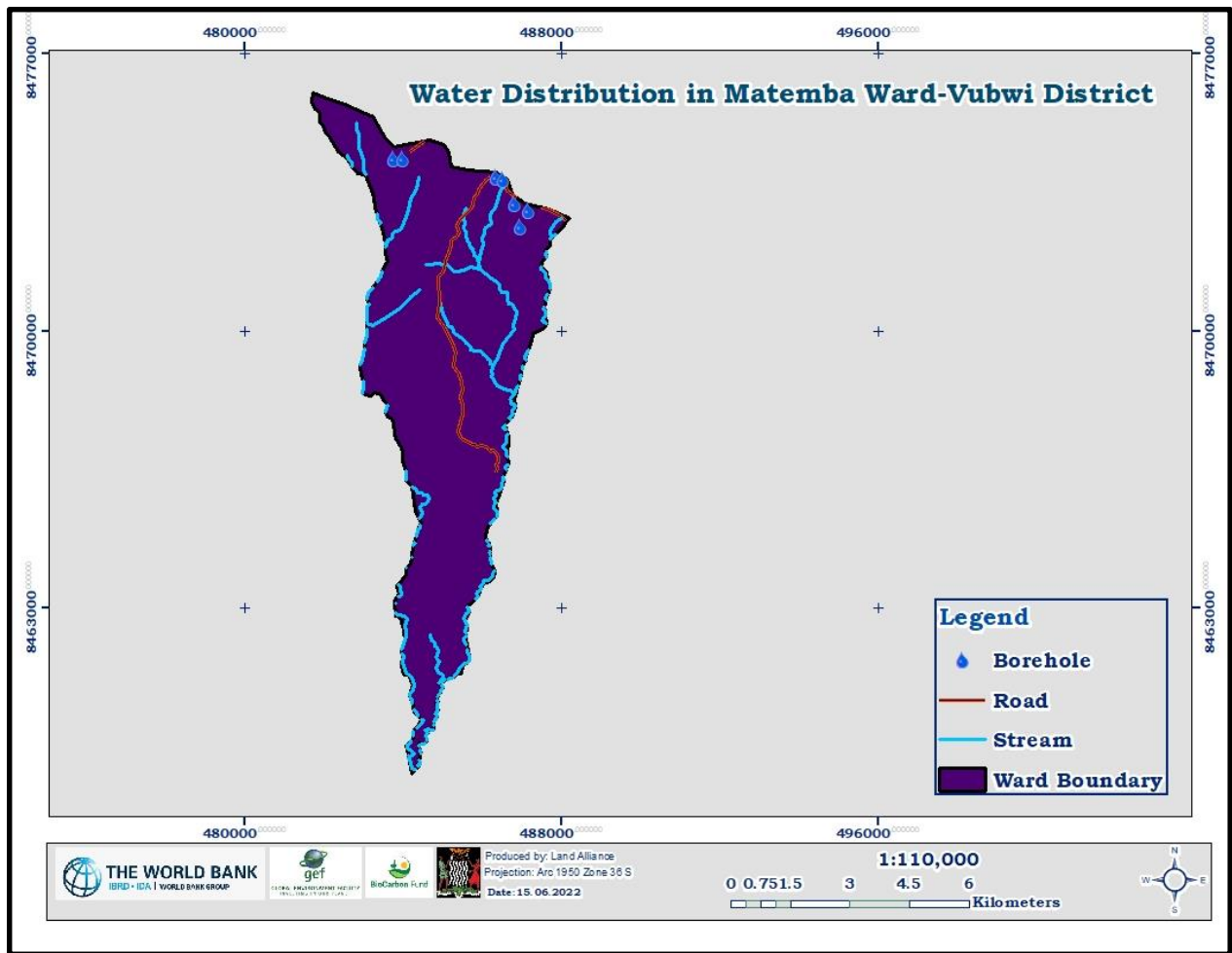


Figure 15: Distribution of Water Sources

6.2 Soil Degradation

This problem is mainly as a result of unsustainable agricultural practices, bush fires and cutting down of trees for either charcoal production, field expansion or by animal grazing. This has, in turn, affected land productivity, leading to food insecurity and livelihood challenges. Thus, adoption of Climate Smart Agriculture and formulation of by-laws prohibiting unsustainable land resource use can help avert the problem of land degradation.

6.3 Poor State of Roads and Related Infrastructure

Inadequate transport system and lack of proper road network hampers development in Matemba Ward because the movement of goods and services (required for such development)

depends on transportation. The Ward also lacks other road-related infrastructure such as bridges/culverts, making certain areas in the ward inaccessible, especially during the rainy season. This makes access to essential services such as health facilities and schools very difficult for residents.

6.4 Long Distances to Schools

The entire Matemba Ward has a total of four (4) primary schools and one (1) secondary school. These schools enable children within the Ward to receive adequate primary education, but due to the ward having only one secondary school, children in the ward have to cover long distances to access secondary school education.

With reference to the Ministry of Education standards of population of having access to school facilities within 5 kilometres distance, the analysis on Matemba Ward shows that:

- All **11** villages in Matemba Ward fall within the recommended 5km access radius of one or more of the primary schools in Matemba.
- **9** of the **11** villages in Matemba Ward fall within the recommended 5km access radius of the secondary school in Matemba (Matemba Day Secondary School).

The figures below show the education facility service radius for primary and secondary education:

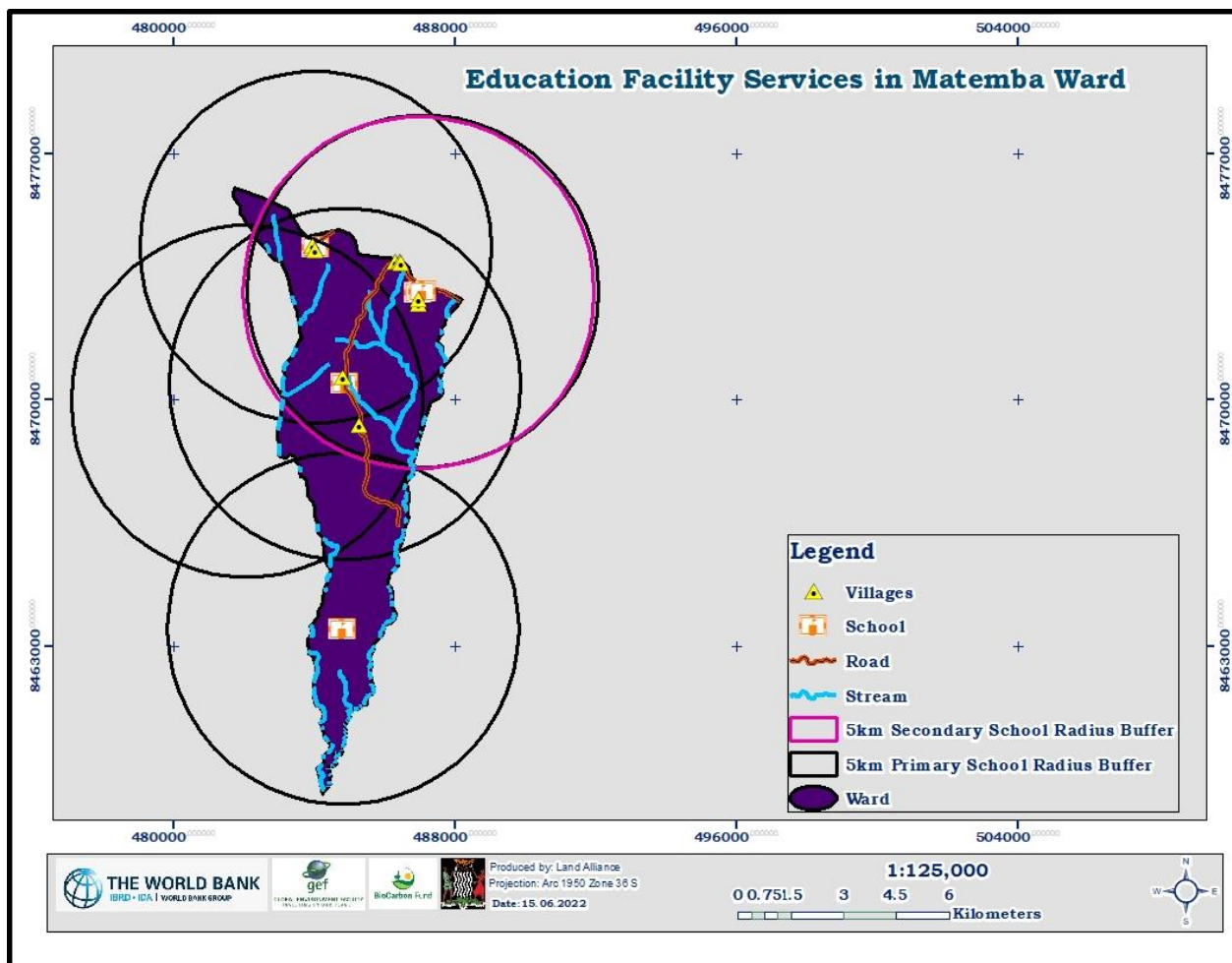


Figure 16: Primary Education Facility Service

6.5 Inadequate Health Facilities

There is only one (1) existing health facility in Matemba Ward without any maternity wing annex, servicing residents of Matemba and other surrounding areas. An analysis of the location of this health service centre shows that:

- Only 9 of the 11 villages fall within the recommended 5 km access radius of the health centre in Matemba Ward. The other 2 villages fall outside the recommended 5 km service radius.

Thus, it suffices to mention that any future plans by the community should take care of the demand for primary health care especially the maternity wing annex which will increase in

Matemba Ward and surrounding areas due to people migrating from other parts of the district and neighbouring Malawi. The current health services will need to be expanded in order to improve the access and quality of health care available to the local residents. More health personnel will be required to ensure that the current high health worker to patient ratio is reduced. The map below shows the health facility service gap in Matemba Ward:

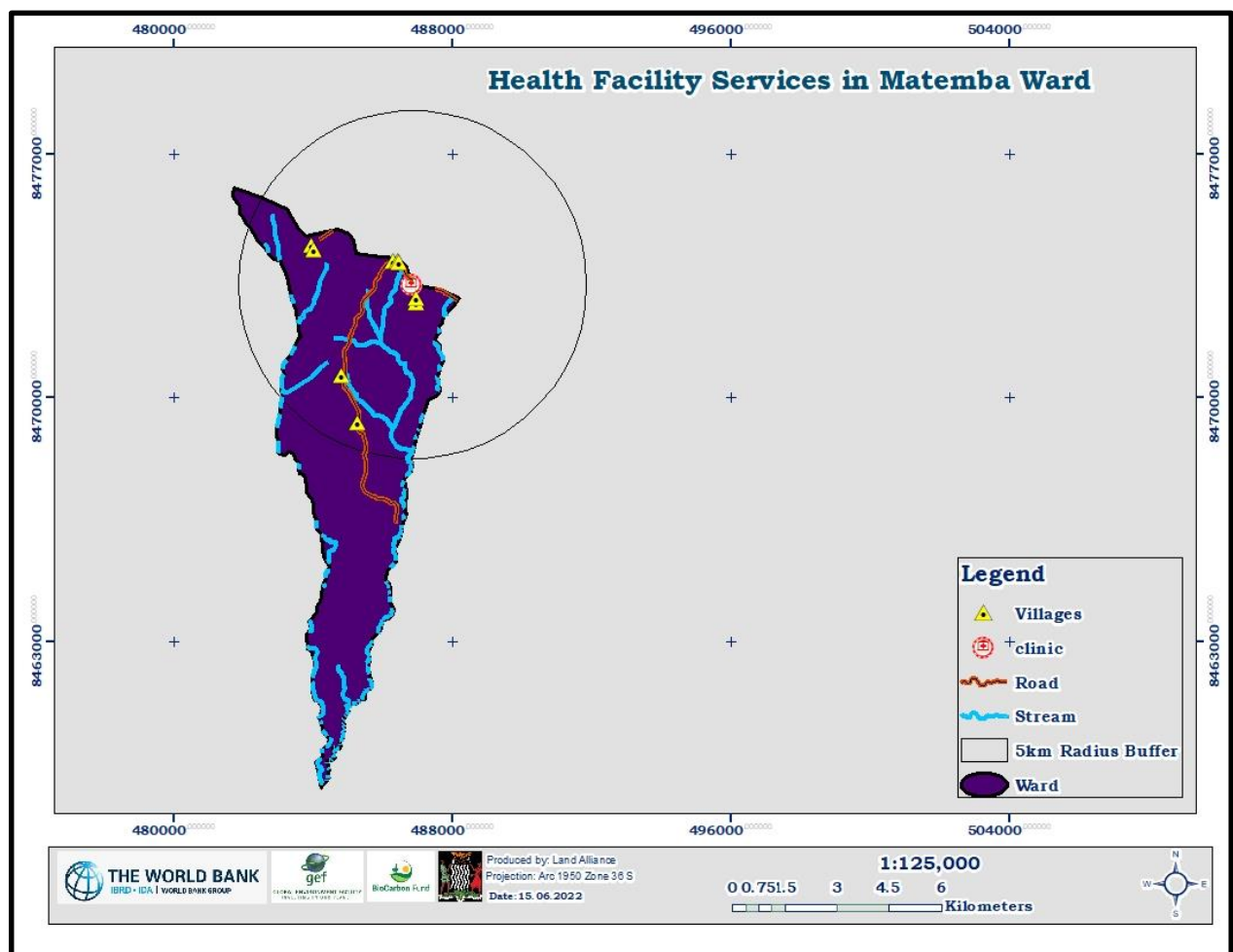


Figure 17: Health Facility Service Radius Map For Matemba

6.6 Inadequate Telecommunication Facilities

The community in Matemba identified telecommunication as a major challenge affecting the Ward. The data analysis in the area shows a deficiency of this service, with no network tower

installed in the Ward. Residents use Malawian networks to make phone calls, as they are close to the Zambia-Malawi boundary.

Telecommunication network tower installations facilitate the ease of access to diverse forms of information within the shortest possible time. Having telecommunication towers installed in the Ward would enable the residents of Matemba Ward and surrounding areas to interact through phone-calls, messaging, internet etc. With the development of the 4G internet speed, citizens are able to surf the internet with less difficulty. Mobile money platforms have also made money transactions easier. In order to make this possible, several service providers ZAMTEL (Zambia Telecommunications Network), MTN (Mobile Telecommunications Network), and AIRTEL have established themselves in Vubwi district, through the installation of network towers which enable transmission of signals containing information from the sender to the recipient, and vice versa, and capturing of satellite signals.

The advent of the Covid-19 pandemic, which led to the closure of all learning institutions in the country in 2020 and 2021, forced most institutions to conduct lessons using e-learning platforms, especially for pupils in examination classes. Matemba Ward was no exception to this, and the lack of telecommunication towers presented challenges in internet access for residents of the Ward and most pupils in Matemba Ward were affected by this. This highlights the need for adequate telecommunication facilities to be installed within the ward.

7. LAND USE PLANNING – ZONING, VALIDATION AND GOVERNANCE RULES

This activity was meant for communities to correct and confirm that all the mapped resources were captured on the maps and for them to propose areas to be protected. By protection, communities agreed on the by-laws that will help them manage their resources and other areas of development in a sustainable manner. Five (5) clustered meetings were held in Matemba Ward at the venues used during village meetings. Printed shared resource maps on A1 were presented to the communities to confirm if the shared resources shown on the maps were a true reflection of their input. This was done in a consultative manner to make sure that the communities take responsibility for the process and the product, which is the plan itself. Community members select the resources to be protected and zone the areas and at the same time propose other areas for developmental activities such as trading areas, clinics, schools, community forest areas and any other developments that will support the improvement of their livelihood. Shared resources in the Ward overlap between sections/areas, especially since these sections/areas have imaginary boundaries. Thus, for the purpose of clearly presenting the proposed land uses, the meetings were clustered into five (5) areas and total attendance was **284** broken down as **121** males and **163** females as shown in the table below:

Community Area	Male	Female	Total No. of participants
Matemba Day Secondary School	14	51	65
Chaponda Village	28	32	60
Kasapa Primary School	18	14	32
Chaoleka Village	44	56	100
Adyodyo Primary School	17	10	27

Table 6: Attendance Statistics

7.1 Matemba Day Secondary School Community Meeting

The first validation meeting was held at Matemba Day Secondary School with a representation of 2 villages, namely: **Loizio** and **Mkaya**. The total number of participants in this meeting was **65** (14 Male, 51 Female). The community proposed Matemba B Hill - which is a part of Chapinama Hills - as a forest. The rationale for the proposed development was built on the problems that were identified during the first village meetings conducted in the area as a measure of mitigating the effects of climate change and improving their welfare by identifying alternative sources of livelihood. The table below shows the proposed area and the land coverage:

S/N	Proposed Development	Area (Ha)
1	Forest (Matemba B)	47.6

Table 7: Land Reservations for Matemba Day Secondary School Community Meeting

The map below shows the proposed developments and future land uses for villages that were represented during the meeting held at Matemba Day Secondary School:

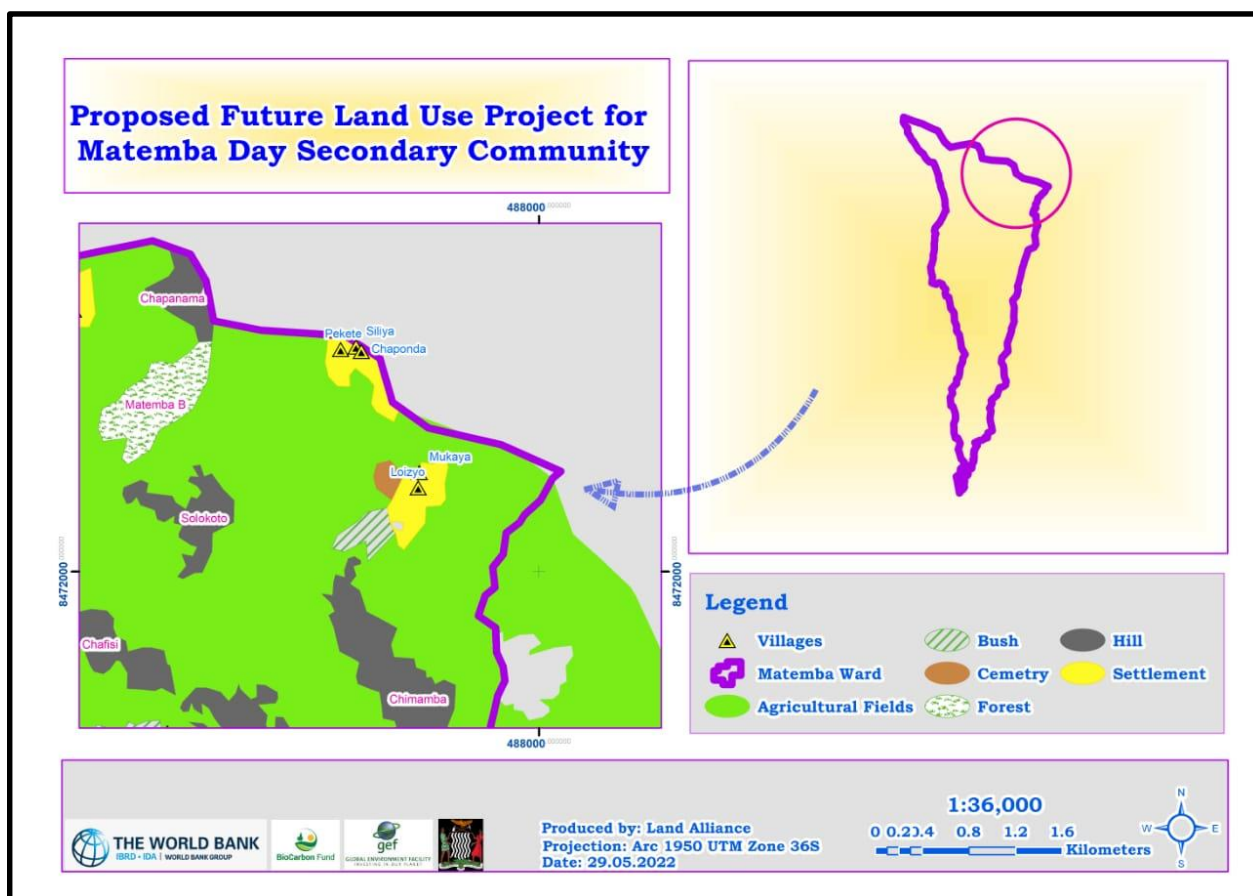


Figure 18: Future Land Use Map for Matemba Day Secondary School Community Meeting

7.2 Chaponda Community Meeting

The second validation and zoning meeting was held at Chaponda village with a representation of 3 villages, namely: **Chaponda, Pekete and Siliya**. The total number of participants was **60** (28 Male, 32 Female). The community proposed the construction of Matemba dam, Matemba trading and upgrading of Matemba health post. Table 9 below shows the proposed developments of Chaponda community and the area sizes:

S/N	Proposed Development	Area (Ha)
1	Dam	0.6
2	Trading Area (Matemba)	1.1
3	Upgrading of Matemba Health Post	1.6

Table 8: Land Reservation for Chaponda Primary School Community Meeting

The map below shows the areas for proposed developments for Chaponda Community:

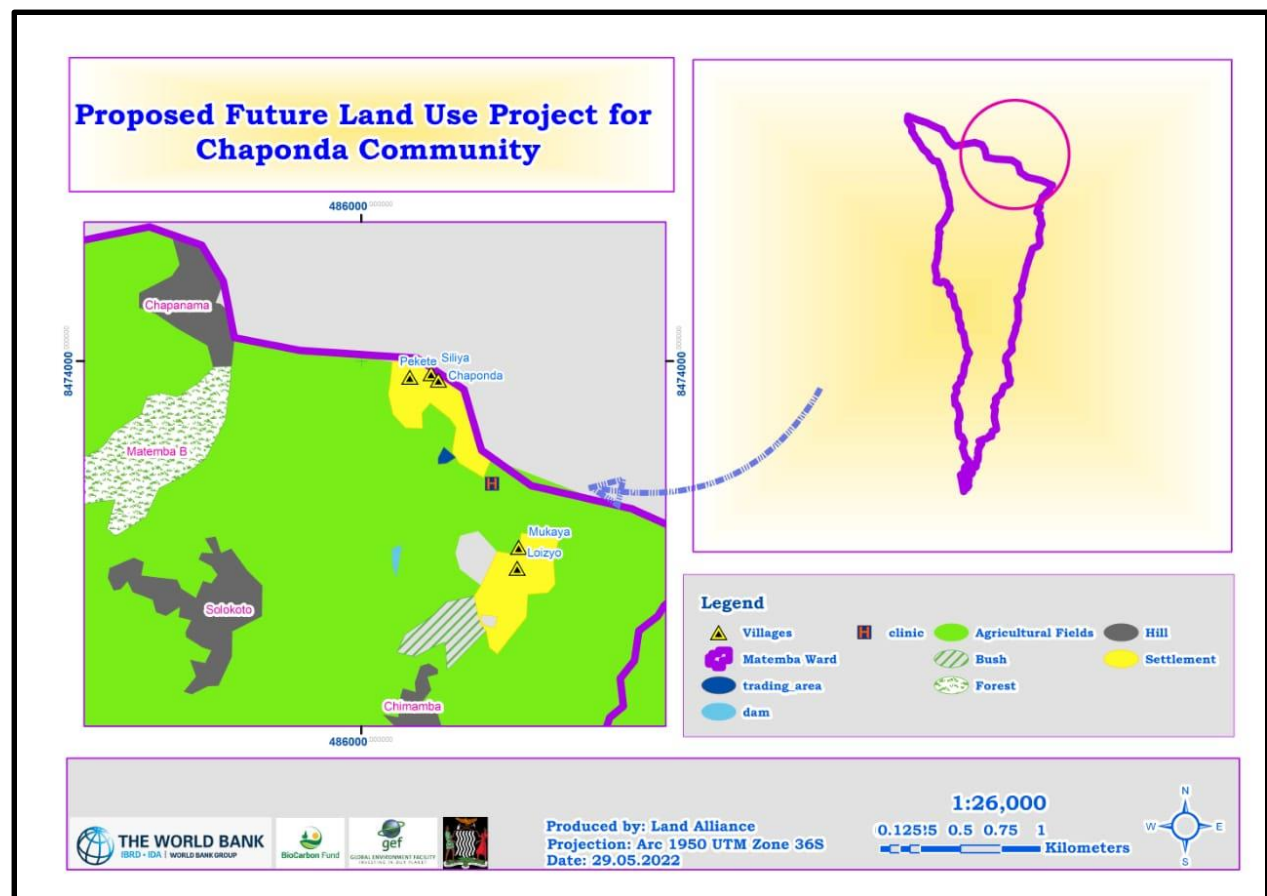


Figure 19: Future Land Use Map for Chaponda Community Meeting

7.3 Kasapa Community Meeting

The third validation and zoning meeting was held at Kasapa Primary School with a representation of 2 villages, namely: **Kasapa** and **Zombe**. The total number of participants was **32** (18 Male, 14 Female). The community proposed Matemba B hills as a forest to be protected. They jointly manage the forest with members from Matemba community. In order to address the issue of access to a health facility, the community proposed an area for a clinic, which was surveyed. The table below shows the proposed developments for Kasapa Community and the area sizes:

S/N	Proposed Development	Area (Ha)
1	Forest (Matemba B)	47.6
2	Clinic (Kasapa)	0.6

Table 9: Land Reservation for Kasapa Primary School Community Meeting

The map below shows the areas for proposed developments for Kasapa Community:

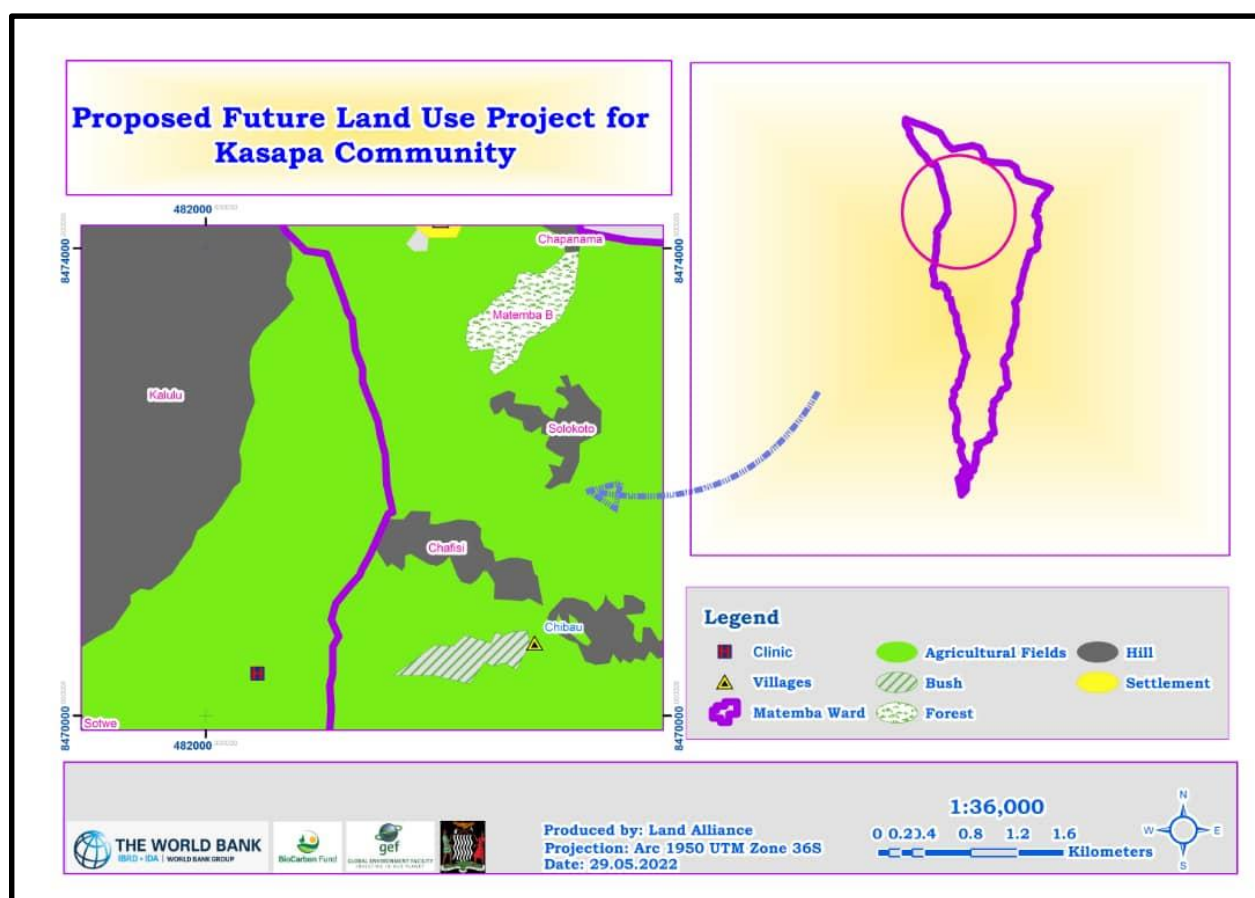


Figure 20: Proposed Future Land Use Map for Kasapa Primary School Community

7.4 Chaoleka Community Meeting

The fourth validation and zoning meeting was held in Chaoleka village with a representation of 2 villages, namely: **Chaoleka** and **Baroni**. The total number of participants was **100** (44 Male, 56 Female). The community proposed Matemba B Hill as a forest and an area for the construction of a school and a Police Post. The table below shows the proposed developments for Chaoleka Community and the area sizes:

S/N	Proposed Development	Area (Ha)
1	Forest (Matemba B)	47.6
2	Chaoleka Primary School	2.8

Table 10: Land Reservation for Chaoleka Community Meeting

The map below shows the proposed areas for development for Chaoleka Community:

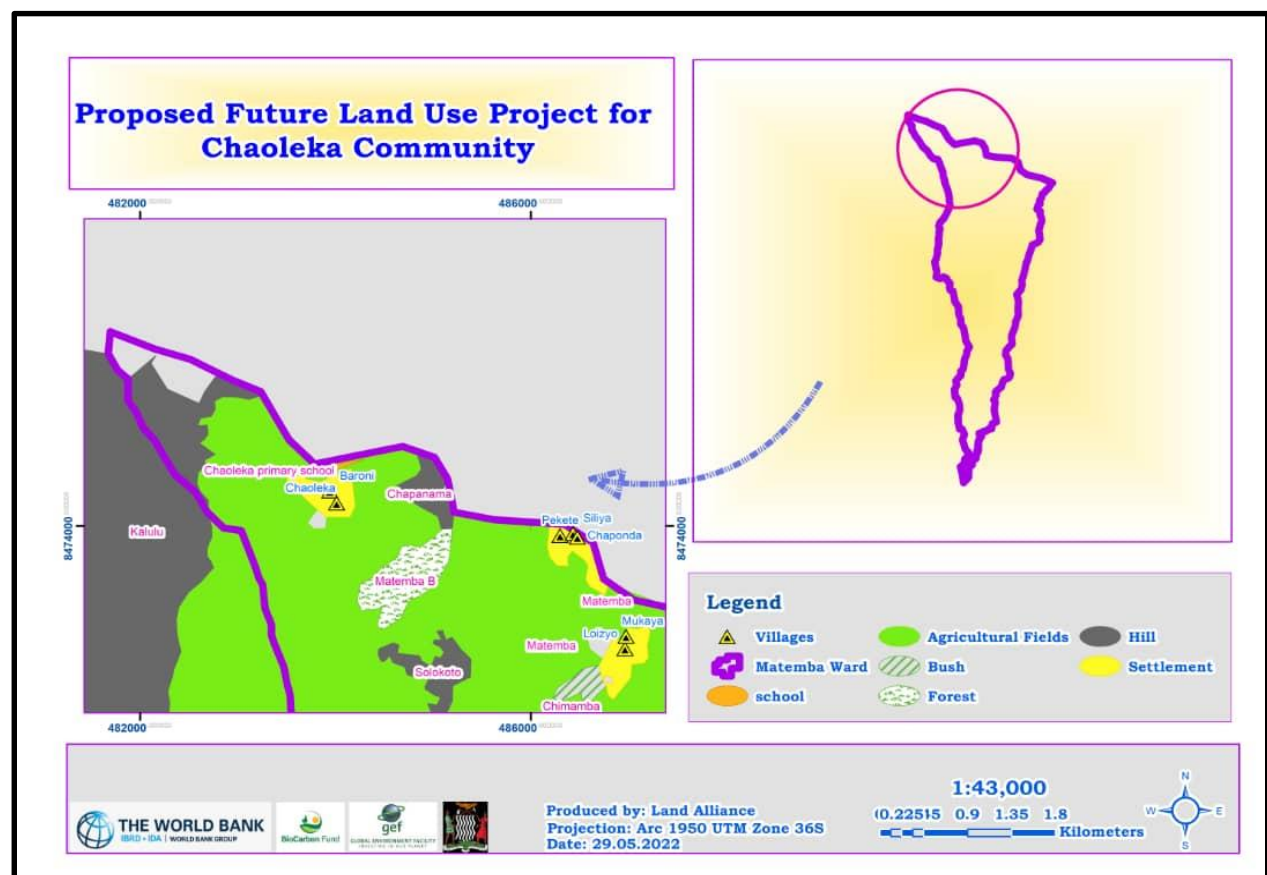


Figure 21: Future Land Use Map for Chaoleka Community Meeting

7.5 Adyodyo Primary School Community Meeting

The fifth validation and zoning meeting was held at Adyodyo Primary school with a representation of 2 villages, namely: **Chipwanyu** and **Chiwawu**. The total number of participants was **27** (17 Male, 10 Female). The community proposed Matemba A Hill as a forest but Matemba A is an already existing forest, proposed for the upgrading of the school and construction of a school classroom block. The rationale for the proposed development was built on the problems that were identified during the first village meetings conducted in the area as a measure of mitigating the effects of climate change and improving their welfare by identifying alternative sources of livelihood. The table below shows the proposed developments for Adyodyo Community and the area sizes:

S/N	Proposed Development	Area (Ha)
1	Adyodyo School	8.6

Table 11: Land Reservation for Adyodyo Community Meeting

The map below shows the proposed areas for development for Adyodyo Community:

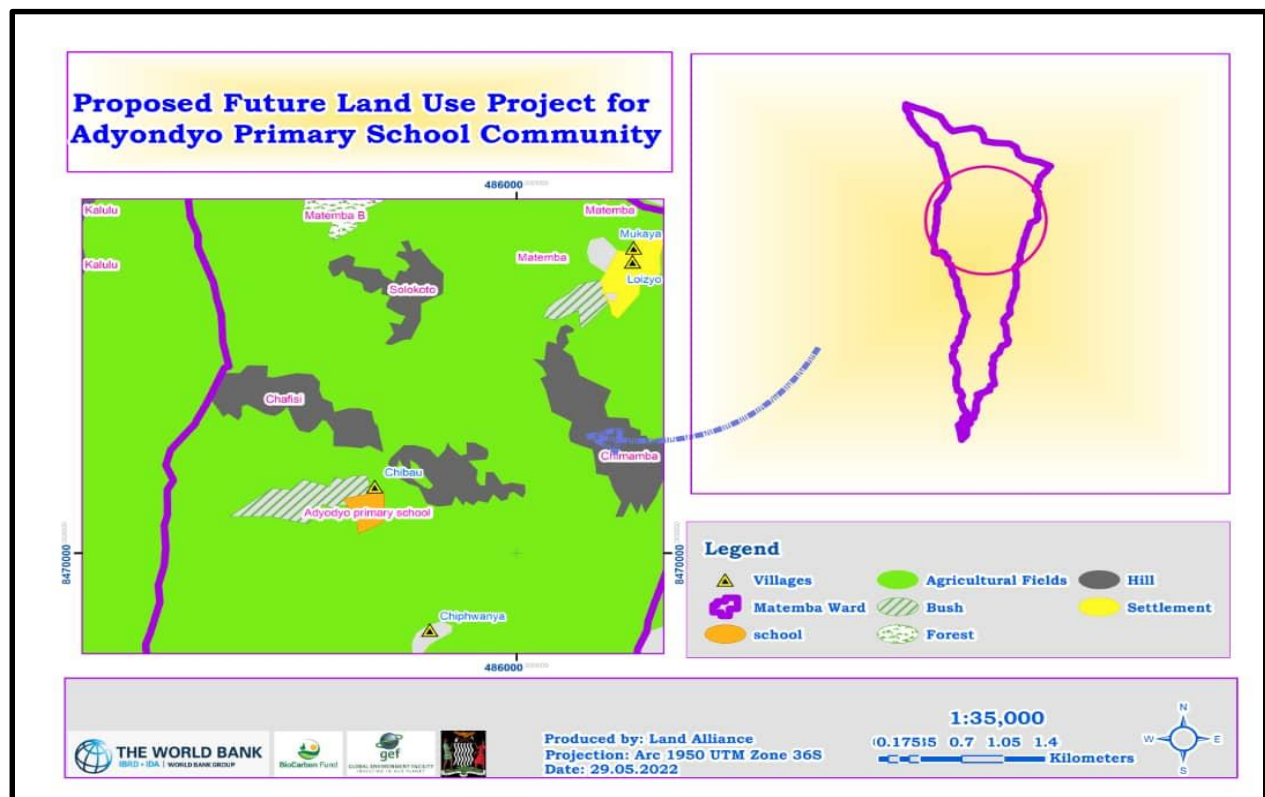


Figure 22: Future Land Use Map for Adyodyo Community Meeting

8. FRAMEWORK OF THE PLUP AND ENVIRONMENTAL MANAGEMENT PLAN

The environmental assessment of Matemba Ward highlighted the immediate development trends and environmental requirements of the area. Based on that, the PLUP Environmental Management Framework was compiled with the aim of guiding future developmental planning and decision-making processes. However, the potential environmental and social impacts of the PLUP activity are numerous, but mainly positive. Much of the negative impacts may be experienced during implementation of the identified sub-projects (based on the identified core issues within the ward) aiming to provide alternative livelihood sources and helping in mitigating unsustainable natural resource use and management. The specific impacts will be evaluated and distinguished during the preparation of the specific Environmental Management Plans (EMP) based on the identified sub-project investments. Therefore, this PLUP Environmental Management Plan was made with guidance originating from the current land uses and the proposed future land use analysis.

S/N	Aspect	Description	Impact	Mitigation Measure
1	Soil Erosion and Degradation	Loss of fertile soil due to exposure and land degradation due to indiscriminate cutting of trees for agriculture and construction of homesteads.	Clearing land for agricultural expansion, settlements, etc. increases the soil erosion potential.	Revegetate cleared and abandoned areas.
			Crop cultivation methods have an impact on the soil quantity and quality leading to soil degradation.	Adoption of climate smart agriculture.
				Reduce land clearing to avoid unnecessary exposure of bare ground to the elements of the weather.

2	Habitat Destruction	Clearing of land for agricultural use around water bodies, which leads to drying of streams. Cutting of trees for charcoal production.	Clearing of land for agricultural use around water bodies, which leads to drying of streams. Cutting of trees for charcoal production.	Enhance community sensitization.
				Restrict activities in sensitive habitats.
				Avoid unnecessary exposure.
				Restrict cutting down of trees.
3	Loss of Fauna	Loss of biodiversity and siltation in the rivers.	Destruction of wild fauna habitat due to unsustainable resource management. Potential investments are likely to break ecosystems, isolate species and cut off movements. For example, dams may block the upstream and downstream passage of migrating aquatic animals.	Enhance community sensitization.
				Prohibit hunting.
				Restrict bush fires.
				Minimise cutting down of trees
				Forest conservation.
4	Air Pollution	Decreased Air Quality.	Dust is anticipated during the construction phase of the identified investments as well as from vehicle movements and vehicle emissions are likely to cause air pollution.	Restrict locations of dams.
				Revegetate bare areas.
				Minimise vehicle movements and speed.
5	Resource Use Conflicts	Sabotage to investments and lack of ownership	Dam construction investments may cause conflict between those with different water needs such as farmers and pastoralists, fishery, household use, etc.	Water down cleared areas to reduce dust emissions.
				Formulation of by-laws

				PLUP development
				Land use decisions must be inclusive of all users and groups, including women, youths and differently abled people in the area.
6	Loss of Land	Displacement of communities or households and reduced grazing land which can cause conflict	There may be loss of farm and grazing land among others by the local communities owning land to investments projects and forest conservation.	Communities must identify project areas in consultation with their leaders. Communities must use Free Prior Informed Consent (FPIC).

Table 12: Environmental Management Plan

9. IMPLEMENTATION STRATEGY

The table below outlines the PLUP Implementation Strategy:

Problem	Objectives	Strategy	Output	Indicator
Shortage of Water for Animals and Irrigation	To improve access to water supply for animals and for irrigation purposes	Dam Construction in Chaponda	At least one (1) dam constructed in Chaponda	Number of dams constructed.
Inadequate Trading Areas	To promote investment and access to goods and services	Construction of market in Matemba	At Least one (1) market/trading area constructed in Matemba	Number of markets constructed
Inadequate Telecommunication Towers	To create connectivity between the rural and urban communities for easy dissemination of information such as COVID prevention and other pandemics	Installation of communication towers by Telecommunication Companies	At least each Telecommunication Company should put up a tower (Zamtel, MTN and Airtel).	Number of communication towers installed
Soil Degradation	To Promote Environmental Protection and Conservation of Natural Resources	Tree planting exercise and promote natural vegetation growth	Plant at least 5,000 trees	Number of trees planted

		Community Forest establishment at Matemba B Hill	Establish at least one (1) Community Forest	Number of Community Forests established
		Revamping and maintenance of Matemba A	Revamp and Maintain one (1) existing Community Forest	Number of existing Community Forests revamped
Poor Agricultural Practices	To promote agricultural productivity.	Adoption of Climate smart Agriculture	At least 75% of local farmers adopt the CSA technique	Percentage adoption of CSA
		Deployment of extension workers	At least one (1) extension worker deployed	Number of extension workers deployed
Poor State of Roads and Related Infrastructure	To promote spatial growth and improve transport system	Rehabilitation of roads	Rehabilitate all roads	Number and length (KM) of roads rehabilitated
		Construction of culverts and bridges	Construct culverts and bridges across all streams	Number of culverts and bridges constructed
Inadequate Health Facilities	To increase the number of health facilities	Construction of a health facility in Chaponda	Construction of at least one (1) health facility (Chaponda)	Number of health facilities constructed
		Construction of health staff houses	At least three (3) staff houses for the proposed health facility	Number of staff houses constructed
Long Distances to Schools	To attain a high quality education standard by increasing the number of schools and reducing the teacher to pupil ratio in all schools within the ward	Construction of new classroom blocks	Construct at least 9 classroom blocks in the ward (1 per primary school and 5 for the proposed secondary school)	Number of classroom blocks constructed

Lack of Alternative Livelihood Sources	To enhance human development through skills training and empowerment programs	Construction of a secondary school in Chaoleka	Construct at least one (1) secondary school in Chaoleka area	Number of secondary schools constructed
		Construction of teachers/staff houses	At least 10 teachers/staff houses for the proposed secondary school	Number of teachers/staff houses constructed
		Establishment of a skills training centre	At least 1 skills centre established	Number of skills centres established
		Train farmers in fish farming, beekeeping and mushroom conservation techniques	Train as many people as possible	Number of people trained
		Establishment of value addition plants	At least 2 value addition plants established in the ward	Number of value addition plants established

Table 13: PLUP Implementation Plan

9.1 Capital Investment Projects

Priority Projects	Quantity	Unit Cost (K)	Total Cost (K)
Dam Construction	1	TBA	TBA
Construction of health Post	1	500,000	500,000
Construction of a school	1	500,000	500,000
Construction of Staff Houses	13	200,000	2,600,000
Roads Rehabilitation	4	TBA	TBA
Construction of classroom blocks	9	450,000	4,050,000

Table 14: Capital Projects Identified

10. Institutional Arrangement for Plan Implementation

The Local Authorities will play a critical role in supporting the implementation of PLUP in line with the guidelines and provisions of the URP Act No.3 of 2015. The Forestry Department, Department of National Parks and Wildlife and Ministry of Agriculture will be the main implementers of the PLUP while the Ministry of Health, Ministry of Education and other line ministries will be monitoring adherence to the zoning of the land use plan with regards to schools, health facilities and other developmental and social land reserves.

Matemba Ward PLUP is envisaged to be implemented in line with the Vubwi IDP which is running for a period of 10-years from 2021-2030. Being a local plan, the Traditional Authority will work hand in hand with the DMT team in the implementation process since the plan is part of the Integrated Development Planning framework. The plan also provides an opportunity for the traditional leaders to lobby for support from the government through local authorities e.g. from the Constituency Development Funds (CDF).

At chieftdom level, the traditional authority with guidance from the DMT team will choose community representatives who will be overseeing and executing PLUP activities and will intermittently rehearse with both the DMT and the Chiefs on the implementation process.

The mandate to carry out minor (pilot) measures may in some cases need to be transferred to the civil society (i.e. self-help groups, cooperatives, farmers' organisations or local NGOs). It is

also possible that private sector companies or individual consultants take over this part so that the Government, through the DMT only concentrates on the supervision and monitoring of the process.

11. CONCLUSION

The PLUP for Matemba Ward was developed through a consultative and participatory process, and technically analysed by the Land Alliance Consortium - the TSP hired by ZIFL Project - in consultation with the Vubwi DMT team. Additionally, the PLUP analysed the current situation in Matemba Ward, and issues pertaining to Land Use Planning were identified, with lack of alternative sources of livelihood being one of the key drivers of unsustainable natural resources management. At the same time there has been haphazard and unsustainable use of land and other natural resources by residents of Matemba Ward and those residing in surrounding areas largely due to lack of documented rules and regulations governing the use of resources. Therefore, it is hoped that this PLUP will be used for the purpose for which it was developed.

12. GLOSSARY

12.1 Natural Resources

One of the essential and prerequisite activities when embarking on participatory land use planning is understanding the quality and quantity of the land resources. Besides, participatory land use planning forms a basis for obtaining optimum level of production and also helps in introducing appropriate land management practices for better and/or improved livelihoods (Schwedes and Werne, 2010). Therefore, natural resources must be understood as conditions and elements of the land that can be exploited, developed or managed without causing negative impacts that risk the fragile environmental relationships (Negash. 2012). The following are some of the natural resources:

12.1.1 Vegetation

In the context of PLUP, vegetation refers to all plant species that are unsustainably managed and used by communities for any of their land uses. The vegetation is used to mainly fulfil community needs such as gathering firewood, fruits, medicine, poles and also serves as habitats for wild animals. On the other hand, vegetation provides cover for the soil, allows the rainwater to percolate into the ground, and protects the soil from erosion.

12.1.2 Soils

This is one of the key elements across the globe that determines what land can be used for, taking into consideration the physical and chemical properties (FAO, 2006). The soils exert influence in determining the feasibility of land uses and composition of natural communities such as plants, animals, etc of an area. Thus, land use planning may demand a study on physical and chemical conditions, composition, and overall characteristics of soils (GIZ, 2012; Negash, 2012). This is due to the fact that knowing the soil characteristics helps in understanding the past and present land uses and helps in predicting future land use potentials.

12.1.3 Water

This is an essential resource which is required for use by human beings and Wildlife. It is also used for irrigation and navigation by people and by plants to perpetuate, grow and produce

(Mitchell et al, 2004). Besides, the quantity of available water determines the type of land use options and land utilisation types. Thus, the availability and accessibility of water resources in an area determine sustainability and the types of land uses that can be implemented (GIZ, 2012).

12.2 Climate

Climate is one of the factors that affects land use as it is the major agent that determines water balance and dictates the nature and type of natural vegetation in a specific area (Malcolm et al, 2006). Interactions among climate, relief and soils are important in determining socially acceptable, economically viable and environmentally sound land use types (FAO, 1993). The main climatic elements which directly govern land use types to be considered for a certain area are the rainfall amount and distribution and the air temperature level (Negash. 2012). Thus, data on these elements is so important for sustainable local level land use planning processes. The following climatic elements are important factors in determining the land use options of a certain locality or planning area;

12.2.1 Rainfall

The term precipitation includes rainfall, snow and dew. The availability of water through precipitation or rather the lack of it is often the most limiting physical factor in crop and livestock production in areas where water is scarce for irrigation. It's of great importance to know the rainfall patterns of a given area when undertaking any level of land use planning. Besides, the seasonal distribution of rains governs the choice of major land uses, crops and the optimal planting time, harvesting and other farming operations such as land preparation, weeding and threshing (Negash. 2012).

12.3 Land Use Planning

According to Liversage and Mangiafico (2014), land-use planning is the systematic assessment of land and water potential, alternatives for land use and economic and social conditions in order to select and adopt the best land-use options. It's a process of decision making on the use of the resources of a certain unit of land for options of more productivity, environmentally sound and sustainable economic uses (JICA, 2011). However, Negash (2012) argued that decisions on land

use options are based on the analysis of potentials and constraints of the land resources as guided by the competing needs of the communities.

12.4 Participatory Land Use Planning

This is an interactive process in which local communities could discuss and determine how to manage the land and other natural resources in their locality (JICA, 2011). It is based on dialogue among all stakeholders with an aim of making sustainable land use decisions through negotiation (GIZ, 2012). The intention is to form comprehensive land use options based on the quality and quantity of the resources and the needs of the community (PLUP Manual, 2019). The land use plan aims at improving the livelihoods of the existing community and meeting the resource development and administration needs of the future generation (Negash. 2012).

12.5 Livelihood

This can be defined as means and ways of making a living. It encompasses people's capabilities, assets, income and activities required to secure the necessities of life (Mutea et al, 2019). According to Kassa (2018) livelihood is said to be sustainable if it enables people to cope with and recover from shocks and stresses (such as natural disasters and economic or social upheavals) and enhance their well-being and that of future generations without undermining the natural environment or resource base.

Presently, natural resources are overexploited, exceeding the rate at which they are replenished due to the increase in the demands because of high population increase and unsustainable usage (Abu and Soom, 2016). Hence, land use planning is the tool that can well be utilised in order to improve and maximise the usage and management of resources in order to better improve the livelihoods of people. This is because LUP bases its processes on the quantity and quality of resources available that can improve livelihoods and the environment (GIZ, 2012). Thus, decisions are made based on the knowledge of resources by all stakeholders.

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ANNEXES

Annex 1: Matemba Ward By-Laws on Land Use and Natural Resource Management

Preamble

Having resources identified and zoned is not a guarantee that there will be proper management, hence establishing rules is key to sustainable management of all natural resources. The communities of Matemba Ward did not want just to leave things at zoning level but they also formulated by-laws pertaining the natural resources that were identified in their community. Traditionally, no one is allowed to give a penalty to the offenders except the chief as he is the custodian of natural resources in the chiefdom.

GOVERNANCE RULES FOR MATEMBA WARD

Resource/Development	Rules	Penalty To Offenders
Water Resources	No farming activities around the dam and other water bodies, the buffer zone of 50m shall be applied.	Direct report to HRH Pembamoyo.
	No illegal fishing on the dam.	
	No disposition of poisonous chemicals in the dam.	
	All gardening activities to be done on one side of the dam to allow animals to have access to water.	Face appropriate punishment.
	No cutting down of trees around the dam.	
	No farming activity to be done around the buffer zone of the dams and streams.	
Forest	No cutting down of trees in forest area	Face punishment from HRH Pembamoyo.
	No charcoal burning in the forest	
	No cattle grazing in the forest	
	No farming activities in the forest area	
	No fire burning in the forest	
	No fetching of firewood without permission in the forest.	

	No building of houses in the trading area.	The land rights will be revoked by HRH Pembamoyo.
Trading Area	Only the development committee recognised by the chief has the right to allocate plots.	Report to the chief.
	No farming activities are allowed in the trading area	
Upgrading of School and Clinic	No encroachment in the area set aside for school and clinic expansion.	
	No cutting down of trees around the school and clinic premises	Report to the Chief
	No farming activities are allowed.	
Expansion of Agricultural Area	Anyone wishing to expand the field must get consent from the chief.	Any offender shall be reported to the chief for further action
Hunting	No hunting is allowed in the chieftdom	Any offender shall be reported to the chief for further action
Telecommunication Towers	No vandalism of Telecommunication Towers. No farming within the radius of 20m of the Telecommunication Towers.	Inform the chief and report to the police.

Table 15: Offences and Penalties

Annex 2: Proposed Future Land Use Map

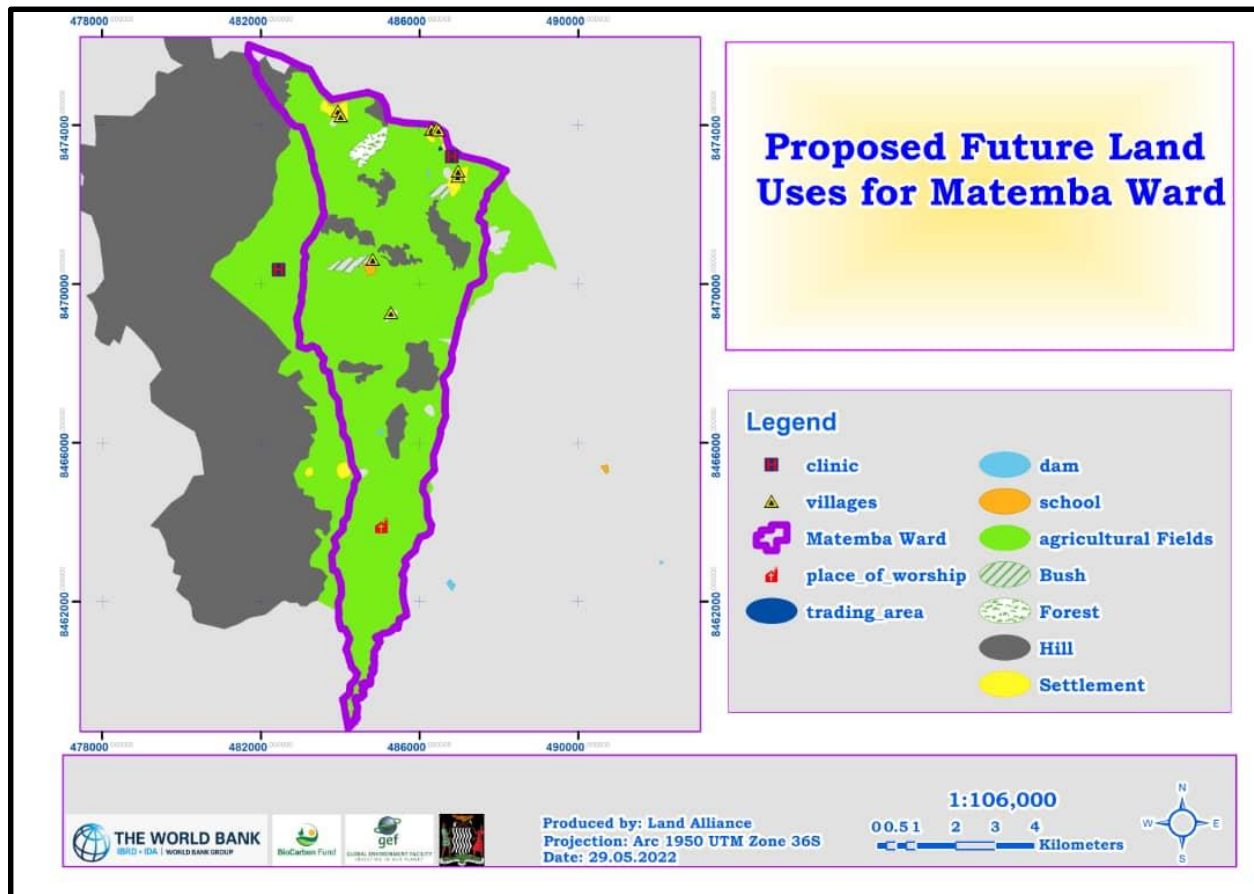


Figure 23: Future Land Use Map for Matemba Ward

Annex 3: Meeting Attendance Registers

Indunas Meeting

S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	MIKE PHIRI	M	CHAOLEWA	✓	✓	0955229823	167876/55/1	P. BANDA
2	PORTINO BANDA	M	BALONI				167529/55/1	R. Chilumbu
3	ROMANI CHILUMBU	M	CHAOLEWA	✓			167529/55/1	R. Chilumbu
4	LEONARDO MWALE	M	CHAPONDA		✓	0962310716	167529/55/1	E. Banda
5	ELIZABETH BANDA	F	SILILA		✓		167529/55/1	E. Banda
6	LESTARA BANDA	M	KASARA		✓	0952069269	14027/55/1	A. Zulu
7	ALIKANJO ZULU	M	CHILWAU		✓			O. PHIRI
8	OMANI PHIRI	M	LOLELO		✓			
9	LOJAS NDOMBE	M	NDOMBE	✓		0975202159	180903/55/1	P. Ndombe
10	LAMON ISANDA	M	SILILA		✓	0973859957	264185/52/1	T. Banda
11	TODAZIO SWANDA	M	CHIPWANYA		✓	0995179065	275267/52/1	T. Swanda
12	EVANS MHAENZA	M	MYKAYA		✓	0971672068	274175/11/1	T. Swanda
13	LUCIANO PHIRI	M	ZIPALA		✓		253251/52/1	L. Phiri
14	ELIASI PHIRI	M	Khungwa		✓		286984/52/1	E. Phiri
15	Paul Chilumbu	M	Chaoleka		✓	0971660114	385813/54/1	P. Chilumbu
16	Makoto Mwale	M	Citsulo		✓			M. Mwale
17	MICHAEL BANDA	M	Citsulo		✓		139256/50/1	M. Banda
18	Lotence Banda	M	Amos		✓		143550/50/1	L. Banda
19	Paul Gwazira	M	KALON		✓	273142/152	273142/152	G. Phiri
20	PATRICIO TEMBO	M	LOLELO		✓	0993694212	080165/52/1	P. Tembo
21	WELUZANI TEMBO	M	NIHONDO		✓		317723/55/1	W. Tembo
22	Tobias Mbeve	M	D96		✓	0975327154	330174/52/1	T. Mbeve
23	CHONGANI BANDA	M	THOMOGWAZA		✓			C. Banda
24	FRANCIS PHIRI	M	KALOWA		✓	0977642310	146973/52/1	F. Phiri
25	GERALD PHIRI	M	D97		✓	0973268930	120888/55/1	G. Phiri
26	ELENA PHIRI	F	SHANGANYANI		✓			E. Phiri
27	TELEZIA MOTO	F	KALUNGA		✓		378788/52/1	T. Moto

First Village Meeting

Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

SN	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	Leopold mubale	m	Chaponda		✓	0962310716	225145/01	L. Leopold
2	Joseph Banda	m	CHAKETS		✓	0973572112	105799/01	J. Banda
3	Conrad Mwanza	m	CHAKETS		✓	0973572112	105799/01	C. Mwanza
4	Mungu Banda	m	Chaponda	✓	✓	0958702415	107376/01	M. Banda
5	Leopold Banda	m	Chaponda	✓	✓	0973572112	105799/01	L. Banda
6	John Mubale	m	Chaponda		✓	0973572112	105799/01	J. Mubale
7	Golden Mubale	m	Chaponda		✓	0973572112	105799/01	G. Mubale
8	John Mubale	m	Chaponda		✓	0973572112	105799/01	J. Mubale
9	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
10	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
11	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
12	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
13	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
14	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
15	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
16	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
17	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
18	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
19	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
20	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
21	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
22	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
23	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
24	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
25	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
26	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
27	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
28	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
29	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
30	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda

Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

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2	Joseph Banda	m	CHAKETS		✓	0973572112	105799/01	J. Banda
3	Conrad Mwanza	m	CHAKETS		✓	0973572112	105799/01	C. Mwanza
4	Mungu Banda	m	Chaponda	✓	✓	0958702415	107376/01	M. Banda
5	Leopold Banda	m	Chaponda	✓	✓	0973572112	105799/01	L. Banda
6	John Mubale	m	Chaponda		✓	0973572112	105799/01	J. Mubale
7	Golden Mubale	m	Chaponda		✓	0973572112	105799/01	G. Mubale
8	John Mubale	m	Chaponda		✓	0973572112	105799/01	J. Mubale
9	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
10	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
11	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
12	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
13	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
14	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
15	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
16	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
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18	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
19	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
20	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
21	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
22	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
23	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
24	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
25	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
26	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
27	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
28	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
29	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda
30	Joseph Banda	m	Chaponda		✓	0973572112	105799/01	J. Banda

28	Name	Gender	Village	18-35	36-Above	Phone #	NRC	Signature
29	Alice Mbwewe	F	Chaponda	✓			146201/5/1	A. Mbwewe
30	Ester Mwanza	F	Chaponda	✓				E. Mwanza
31	Esther Mwanza	F	Chaponda	✓				E. Mwanza
32	Susan Mbwewe	F	Chaponda	✓		0932634206		S. Mbwewe
33	Dorcas Mwanza	F	Chaponda		✓		167504/5/1	D. Mwanza
34	Emily Jane	F	Chaponda	✓		0961370086	158406/5/1	E. Jane
35	Lucia Mwanza	F	Chaponda	✓				L. Mwanza
36	Eunice Banda	F	Chaponda	✓			167439/5/1	E. Banda
37	Musoni Savara	F	Chaponda		✓			M. Savara
38	Agness Mwanza	F	Chaponda		✓			A. Mwanza
39	Tipiline Mwanza	F	Chaponda	✓				T. Mwanza
40	Jamifa Mbwewe	F	Chaponda	✓		091508357		J. Mbwewe
41	Mary Banda	F	Chaponda		✓		155092/5/1	M. Banda
42	Tisigane Mbwewe	F	Chaponda		✓		124002/5/1	T. Mbwewe
43	Elizabeth Banda	F	Chaponda		✓			E. Banda
44	Shila Banda	F	Chaponda		✓	0912207002	16767/5/1	S. Banda
45	Grace Mwanza	F	Chaponda	✓				G. Mwanza
46	Shila Mbwewe	F	Chaponda	✓				S. Mbwewe
47	Memory Banda	F	Chaponda	✓	✓			M. Banda
48	Tudith Banda	F	Chaponda	✓				T. Banda
49	Radah Mbwewe	F	Chaponda	✓				R. Mbwewe

Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	Flantina Banda	F	Chaponda					F. Banda
2	Agness Mwanza	F	Chaponda		✓			A. Mwanza
3	Mercy Mwanza	F	Chaponda	✓				M. Mwanza
4	Sofia Chikweta	F	Chaponda		✓			S. Chikweta
5	Catherine Nyendwa	F	Chaponda		✓	0974234728	129057/6	C. Nyendwa
6	Sophia Chikweta	F	Chaponda	✓				S. Chikweta
7	Olivia Mwanza	F	Banda	✓				O. Mwanza
8	Magrent Phiri	F	Chaponda		✓			M. Phiri
9	Elina Banda	F	Banda	✓	✓			E. Banda
10	Joice Banda	F	Chaponda		✓			J. Banda
11	Kalesesi Mwanza	F	Chaponda		✓			K. Mwanza
12	Ezekia Banda	F	Chaponda		✓			E. Banda
13	Elizabeth Zulu	F	Chaponda		✓			E. Zulu
14	Lucia Phiri	F	Chaponda		✓		3551/5/5/1	L. Phiri
15	Suzan Mwanza	F	Chaponda		✓			S. Mwanza
16	Salome Zulu	F	Chaponda		✓			S. Zulu
17	Elisha Zulu	F	Chaponda	✓				E. Zulu
18	Teresa Chilumbu	F	Chaponda	✓		0970106947		T. Chilumbu
19	Selva Mwanza	F	Chaponda		✓			S. Mwanza
20	Filipina Banda	F	Chaponda	✓				F. Banda
21	Dorah Banda	F	Chaponda	✓	✓	0965246288	204796/5/1	D. Banda
22	Magrenta Banda	F	Chaponda	✓				M. Banda
23	Betida Banda	F	Banda		✓		233125/5/1	B. Banda
24	Selenia Mwanza	F	Chaponda		✓			S. Mwanza
25	Roberta Zulu	F	Chaponda	✓				R. Zulu
26	Magrenta Phiri	F	Banda		✓		31567/5/1	M. Phiri
27	Alice Banda	F	Chaponda					A. Banda

Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	PHILIP JUSTICE L	M	CHOLEKA	✓				
2	GIFT MUKANZI	M	CHOLEKA	✓		0982516788	20939/501	
3	STEVEN TANGENT	M	CHOLEKA	✓		097007540	20939/501	
4	STEVEN BANDA	M	BEAUL	✓		098569438	15963551	
5	EMMANUEL ZULU	M	CHOLEKA	✓		0982861289		
6	JAMUEL PHIRI	M	CHOLEKA	✓				
7	DRUID MUKA	M	CHOLEKA	✓		0978007281	20939/501	
8	PHIRI ANSPINO	M	CHOLEKA	✓		0776817514	20939/501	
9	ISAAC PHIRI	M	CHOLEKA	✓				
10	NICKSON Mphande	M	CHOLEKA	✓				
11	PAUL Chilumba	M	CHOLEKA	✓		0770076505		
12	MOSES Chilumba	M	CHOLEKA	✓				
13	THOMAS Banda	M	CHOLEKA	✓		0957017000	167082/501	
14	MATHIAS NGAMBE	M	CHOLEKA	✓				
15	SHEPHERD Tembo	M	CHOLEKA	✓				
16	NATHAN CHIK	M	CHOLEKA	✓		097624710	32	
17	JAMES MUKA	M	CHOLEKA	✓		094669162	12700/501	
18	JAMES MUKA	M	CHOLEKA	✓		0957117869		
19	MARY MUKA	M	CHOLEKA	✓		0993567367		
20	KENNEDY MUKA	M	CHOLEKA	✓		0992597220	18050/501	
21	PHILIP MUKA	M	CHOLEKA	✓		0977146129		
22	PHILIP MUKA	M	CHOLEKA	✓		0957130540	20939/501	
23	PHILIP MUKA	M	CHOLEKA	✓				
24	PHILIP MUKA	M	CHOLEKA	✓				
25	PHILIP MUKA	M	CHOLEKA	✓				
26	PHILIP MUKA	M	CHOLEKA	✓				
27	PHILIP MUKA	M	CHOLEKA	✓				

28	Amanda Nhambo	F	Choleka	✓				
29	Bon Anna Phiri	F	Choleka	✓				
30	Marta Banda	F	Balan	✓				
31	Yigina Banda	F	Balan	✓				
32	Sofia Banda	F	Balan	✓				
33	Boita Phiri	F	Balan	✓				
34	Idah Banda	F	Choleka	✓				
35	Bona Phiri	F	Balan	✓		0974278340	106494/501	
36	Margaret Sakala	F	Choleka	✓				
37	Ester Chilumba	F	Choleka	✓				
38	Recho Phiri	F	Choleka	✓				
39	Maria Mwale	F	Choleka	✓				
40	Esther Njovu	F	Choleka	✓				
41	Elidah Dava	F	Choleka	✓				
42	Margaret Brajet	F	Choleka	✓				
43	Margaret Phiri	F	Choleka	✓				
44	BEAUTY NGAMBE	F	Choleka	✓				
45	BIRIAM ZIMBA	F	Choleka	✓				
46	ANGELA ZIMBA	F	Choleka	✓				
47	RHODA MSHANGA	F	Choleka	✓				
48	Incant Phiri	M	Choleka	✓				
49	Masautso Phiri	M	Choleka	✓				

28	PHIRI FRANK	M	CHOLEKA	✓				
29	PHIRI JAMES	M	CHOLEKA	✓				
30	PHIRI JAMES	M	CHOLEKA	✓	095143758			
31	PHIRI BERNARD	M	CHOLEKA	✓	097932628			
32	PHIRI SILVESTOR	M	CHOLEKA	✓				
33	PHIRI LINDA	M	CHOLEKA	✓				
34	KAPANI MIKE	M	CHOLEKA	✓				
35	PHIRI GARY	M	CHOLEKA	✓				
36	PHIRI HAPPY	M	CHOLEKA	✓	0972220361			
37	PHIRI FRANCIS	M	CHOLEKA	✓				
38	PHIRI ZIA PHIRI	M	CHOLEKA	✓	095562153			
39	PHIRI BANDA	M	CHOLEKA	✓				
40	PHIRI BANDA	M	CHOLEKA	✓				
41	PHIRI BANDA	M	CHOLEKA	✓	0957113326			
42	PHIRI BANDA	M	CHOLEKA	✓				
43	PHIRI BANDA	M	CHOLEKA	✓				
44	PHIRI BANDA	M	CHOLEKA	✓				
45	PHIRI BANDA	M	CHOLEKA	✓				
46	PHIRI BANDA	M	CHOLEKA	✓				
47	PHIRI BANDA	M	CHOLEKA	✓				
48	PHIRI BANDA	M	CHOLEKA	✓				
49	PHIRI BANDA	M	CHOLEKA	✓				

Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	PHIRI FRANK	M	CHOLEKA	✓		0770977627	594891651	
2	PHIRI JAMES	M	CHOLEKA	✓		0976299841	146971651	
3	PHIRI BERNARD	M	CHOLEKA	✓		0974560837	285001651	
4	PHIRI SILVESTOR	M	CHOLEKA	✓		0978845002	197006551	
5	PHIRI LINDA	M	CHOLEKA	✓		0977263788	164200651	
6	PHIRI MIKE	M	CHOLEKA	✓		0973267147	158170651	
7	PHIRI GARY	M	CHOLEKA	✓		0979704436	129356651	
8	PHIRI HAPPY	M	CHOLEKA	✓		0979704436	340847651	
9	PHIRI FRANCIS	M	CHOLEKA	✓			129428651	
10	PHIRI ZIA PHIRI	M	CHOLEKA	✓			682635651	
11	PHIRI BANDA	M	CHOLEKA	✓		0973324294	158156651	
12	PHIRI BANDA	M	CHOLEKA	✓		0973326888	157350651	
13	PHIRI BANDA	M	CHOLEKA	✓		0977682310	164735651	
14	PHIRI BANDA	M	CHOLEKA	✓			320370651	
15	PHIRI BANDA	M	CHOLEKA	✓		097605863	162753651	
16	PHIRI BANDA	M	CHOLEKA	✓		097300762	12360651	
17	PHIRI BANDA	M	CHOLEKA	✓		317723651	164735651	
18	PHIRI BANDA	M	CHOLEKA	✓			124262651	
19	PHIRI BANDA	M	CHOLEKA	✓		0971659130		
20	PHIRI BANDA	M	CHOLEKA	✓				
21	PHIRI BANDA	M	CHOLEKA	✓				
22	PHIRI BANDA	M	CHOLEKA	✓				
23	PHIRI BANDA	M	CHOLEKA	✓				
24	PHIRI BANDA	M	CHOLEKA	✓				
25	PHIRI BANDA	M	CHOLEKA	✓				
26	PHIRI BANDA	M	CHOLEKA	✓				
27	PHIRI BANDA	M	CHOLEKA	✓				

28	Flumson	Mwale	M	D94 A			0973298677	103679/55/11	A - Mwale
29	Stephen	Zulu	M	D94 B	✓		0975327459	182724/55/11	Bunga -
30	Watch	Zulu	M	D94 B	✓				W - Zulu
31	Aziwel	Zulu	M	D94 B		✓	0978673217		A - Zulu
32	Phumosi	Pw	M	Kadyabweze	✓		0776818112		P - Pw
33	Sohn	Banda	M	Kalawa	✓			1841786/55/11	S - Banda
34	Patricia	Tambo	M	Nthondo		✓		340848/55/11	P - Tambo
35	Evalista	Banda	F	Kalawa	✓				E - Banda
36	Sudih	Pw	F	D94		✓			S - Pw
37	Davenes	Sakala	F	Kalawa	✓				D - Sakala
38	Elizabeth	Banda	F	Kalawa	✓			194007/55/11	E - Banda
39	Ordeta	Pw	F	Chisaka 2		✓	077681851	308877/52/11	O - Pw
40	Esther	Banda	F	D94 A		✓			E - Banda
41	Krassia	Banda	F	Kalawa		✓	0974131976	105463/51/11	K - Banda
42	Mutitha	Pw	F	Nthondo	✓				M - Pw
43	Malita	Banda	F	Kalawa		✓		388184/55/11	M - Banda
44	Abah	Banda	F	Kalawa		✓			A - Banda
45	Onester	Pw	F	Kalawa		✓			O - Pw
46	Dorica	Pw	F	Kalawa		✓			D - Pw
47	Durith	Banda	F	D94		✓			D - Banda
48	Helen	Pw	F	D94	✓				H - Pw
49	Magret	Kwenda	F	D94	✓				M - Kwenda

28	Valolale	Pw	F	D94 B	✓		0974120132	180449/55/11	V - Pw
29	Lynness	Ngama	F	Kalawa	✓				L - Ngama
30	Harcunia	Pw	F	Kalawa	✓				H - Pw
31	Kayder	Zulu	F	Chisaka 2		✓			K - Zulu
32	Rgella	Pw	F	Kalawa	✓		0777729472	205559/55/11	R - Pw
33	Enelyp	Banda	F	D94 B	✓				E - Banda
34	Dachal	Pw	F	Shamapani	✓				D - Pw
35	Christine	Pw	F	Nthondo	✓				C - Pw
36	Patricia	Mwale	F	D94	✓				P - Mwale
37	Presca	Mwale	F	Nthondo	✓				P - Mwale
38	Natasha	Miti	F	Kalawa	✓	✓	0976342482	182824/55/11	N - Miti
39	Gumapha	Pw	F	Nthondo 2		✓		181313/52/11	G - Pw
40	Alex	Zulu	M	D96	✓		0973281121		A - Zulu
41	Rodrick	Tambo	M	D94	✓		0977779429	157277/55/11	R - Tambo
42	Rhone	Pw	M	D94 B		✓			R - Pw
43	Sosphat	Pw	M	D94		✓		209003/52/11	S - Pw
44	Rodali	Miti	F	Kalawa	✓		0777918192		R - Miti
45	Precias	Miti	F	Kalawa	✓				P - Miti
46	Mutider	Pw	F	Kalawa	✓				M - Pw
47	Joyce	Banda	F	D94	✓				J - Banda
48	Eunice	Pw	F	Kalawa	✓			157172/55/11	E - Pw
49	Malita	Banda	F	Kalawa	✓			187118/55/11	M - Banda

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S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	ELIDAH MITI	F	D97	✓			194079/551	E. MITI
2	MAR-1 PHIRI	F	CHASAWA II	✓		0970-681295	147226/551	M. Phiri
3	VIGINIA SAKALA	F	D97 A	✓		077-1863911	157329/551	V. Sakala
4	FUNNELY TEMBO	F	D97 B	✓				E. Nkomo
5	EMELITA NKUWA	F	D97 A		✓			E. Nkomo
6	MADALENA TEMBO	F	D97 A		✓			M. TEMBO
7	JOYCE ZULU	F	D97 B	✓				J. Zulu
8	LOVENESS KAPANGA	F	D97 A	✓	✓			L. Kapanga
9	ASINELI SAKALA	F	D97 A	✓			103948/551	A. SAKALA
10	SARAH SAKALA	F	D97 A	✓			182662/551	S. SAKALA
11	JOSEPH TEMBO	M	D98 EAST	✓		0974-270978	158149/551	J. TEMBO
12	CHIKUMBISO PHIRI	M	D97 A	✓		0973-268611		CHIKUMBISO
13	TOBIAS MBEWE	M	D96		✓	0975327154	330174/551	T. MBEWE
14	JACOB PHIRI	M	D96		✓	0954013396	374910/551	J. PHIRI
15	ELIAS MWALE	M	D97A	✓		0950749766	150323/551	E. MWALE
16	ALFRED MBEWE	M	D96	✓		0975327683	158481/551	A. MBEWE
17	HENRY TEMBO	M	D97A		✓	09753285	142502/551	H. TEMBO
18	ALFRED Banda	M	D96		✓	0972169560	378782/551	A. Banda
19	Kleofas Phiri	M	D98 E		✓	0975326320	324330/551	K. Phiri
20	BANDA ROBERT	M	CHASAWA 2		✓	097329927		R. Banda
21	PHIRI RHAGUAS	M	D97A	✓				R. PHIRI
22	BANDA LIMITED	M	D97A		✓			L. Banda
23	BANDA SUDZULAN	M	D97A		✓			S. Banda
24	PHIRI RICHARD	M	D97A		✓	0976967049	22503/641	R. PHIRI
25	PHIRI SIMON	M	D97A		✓			S. PHIRI
26	TEMBO WILSON	M	D97A		✓	0972267606	266613/551	W. TEMBO
27	ZULU BENFORD	M	D97A		✓	097	266613/551	B. Zulu
28	MBEWE MARTIN	M	D96	✓		0977764708	166957/551	M. MBEWE
29	PHIRI RODRICK	M	D94	✓		0972615183	154826/551	R. PHIRI
30	PHIRI TOBIAS	M	D97A	✓		098695552		T. PHIRI
31	MWALE TAMALA	F	D97A		✓			T. MWALE
32	BANDA ANASTAZIA	F	CHASAWA 2	✓	✓			A. Banda
33	Moyo FRISCAR	F	D96		✓	0978603642	339981/551	F. Moyo
34	BANDA CHARITY	F	CHASAWA 2		✓	0968998285		C. Banda
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Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	ADIAS Zulu	M	Kasi Kulemba		✓	0954979728	375327/01	A. Zulu
2	Tamanda Phiri	F	mchirikulen		✓		375328/01	T. Phiri
3	TELEZIA moyo	F	Katungwa		✓		103224/501	P. banda
4	PETER banda	M	magwaza		✓		143550/01	L. Banda
5	Lolensi Banda	M	Amose	✓	✓	0976330739	235014/521	L. Banda
6	Fogensio Mbeue	M	Chikwa	✓				F. Mbeue
7	Mosau daka	M	mchirikulen		✓		372495/01	M. daka
8	Chomani banda	M	Thomogwaza		✓		275042/52	C. banda
9	Duma Zulu	M	Mwala Vao		✓		583777/01	D. Zulu
10	Maxwell mwansa	M	Katikwemba		✓			M. mwansa
11	JOSEPH BANDA	M	CHIZI	✓		0974253019	166537/01	J. BANDA
12	FEDERICO mbeue	M	haifod		✓		355031/01	F. mbeue
13	Prshan chilwa	M	Katikwemba	✓				P. chilwa
14	ENESTO CHIRWA	M	KATUNGA	✓				E. chilwa
15	yohane mwale	M	Thomogwaza		✓			y. mwale
16	SERZIA mwansa	M	Katikwemba		✓		325123/01	S. mwansa
17	Geoffrey Duma	M	Thomogwaza	✓				G. Duma
18	TOMAS mwansa	M	Katungwa		✓			T. mwansa
19	maliko mbeue	M	Katungwa	✓				M. mbeue
20	LEVI mbeue	M	haifod	✓				L. mbeue
21	David Phiri	M	haifod	✓				D. Phiri
22	Paul Mbeue	M	Katungwa	✓				P. Phiri
23	MENAS Phiri	F	Katungwa	✓				M. Phiri
24	Mwale mbeue	F	haifod		✓			M. mbeue
25	KOSALATA banda	F	amose	✓				K. banda
26	MORISA banda	F	amose	✓				M. banda
27	Maria banda	F	mchirikulen	✓				M. banda

Ministry of Natural Development PLANNING
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S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	Siribeta mbeue	F	haifod	✓				S. mbeue
2	Nany Phiri	F	Katikwemba	✓				N. Phiri
3	JENNY mwale	F	Amose	✓				J. mwale
4	Anastasia Zulu	F	mchirikulen		✓			A. Zulu
5	ESTER zimba	F	haifod		✓			E. zimba
6	VERIA mwansa	F	Katikwemba		✓			V. mwansa
7	Abida mwansa	F	Katikwemba		✓			A. mwansa
8	Faneli tembo	F	Katikwemba		✓	0970940771	105072/01	F. tembo
9	Christine Zulu	F	Katikwemba		✓	0996093077		C. Zulu
10	Soster mbeue	M	haifod	✓				S. mbeue
11	MOSES Mbeue	M	Amose haifod	✓		0921203950		M. Mbeue
12	Joseph Tembo	M	Katungwa	✓		0956173469	78352/01	J. Tembo
13	Nathan chilwa	M	Katungwa	✓				N. chilwa
14	Abham banda	M	mchirikulen		✓			A. banda
15	SUZYO chilwa	M	Katungwa		✓			S. chilwa
16	Mfumu chilwa	M	Katungwa		✓			M. chilwa
17	Prsiano mwansa	M	Katikwemba	✓				P. mwansa
18	Mato Phiri	M	Amose		✓			M. Phiri
19	Fredrick Phiri	M	Mchirikulen		✓		330125/01	F. Phiri
20	hameck mbeue	M	haifod	✓				H. mbeue
21	Isack Phiri	M	Katungwa	✓				I. Phiri
22	maxwell banda	M	Katikwemba	✓				M. banda
23	Mekias mbeue	M	haifod	✓				M. mbeue
24	ELIAS Phiri	M	haifod	✓				E. Phiri
25	Avito mbanda	M	Katikwemba	✓			135029/01	A. mbanda
26	Pedro Pelin mbanda	F	Katikwemba					P. mbanda
27	Erack Phiri	M	mchirikulen	✓				E. Phiri

28	Mary Mbeu	F	Kalukwembe	✓		09773/551	M. Mbeu
29	Dobu Zulu	F	Michirikilen	✓			D. Zulu
30	Abise Zulu	F	Michirikilen	✓			A. Zulu
31	Ehiza last Zulu	F	Michirikilen	✓			E. Zulu
32	Josephine Mwanza	F	Kalukwembe	✓	0976295852	121164/551	J. Mwanza
33	Zane Phiri	F	Kalukwembe	✓			Z. Phiri
34	Luluza Banda	F	Kalukwembe	✓			L. Banda
35	Edina Mbeu	F	Kalukwembe	✓			E. Mbeu
36	Emma Sakala	F	Laifod	✓			E. Sakala
37	Fales Banda	F	Amase	✓			F. Banda
38	Joies Mbeu	F	Laifod	✓			J. Mbeu
39	Stelia Phiri	F	Laifod	✓			S. Phiri
40	Lezina Zulu	F	Michirikilen	✓			L. Zulu
41	Dobu Banda	F	Kalukwembe	✓			D. Banda
42	Makolana Mwanza	F	Kalukwembe	✓			M. Mwanza
43	Lifansina Sakala	F	Laifod	✓		182149/551	L. Sakala
44	Felesia Mwanza	F	Kalukwembe	✓			F. Mwanza
45	Lifansina Phiri	F	Katunga	✓			L. Phiri
46	Dolika Phiri	F	Laifod	✓		166556/551	D. Phiri
47	Tulita Phiri	F	Laifod	✓			T. Phiri
48	Nezia Phiri	F	Katunga	✓			N. Phiri
49	Dobu Phiri	F	Michirikilen	✓			D. Phiri

28	Mary Mbeu	M	Laifod	✓			M. Mbeu
29	Charles Sakala	M	Kalukwembe	✓			C. Sakala
30	Peterson Banda	M	Kalukwembe	✓			P. Banda
31	Edina Banda	M	Kalukwembe	✓			E. Banda
32	Charles Phiri	M	Katunga	✓			C. Phiri
33	Ella Banda	M	Kalukwembe	✓			E. Banda
34	Sessie Mwanza	M	Kalukwembe	✓			S. Mwanza
35	Abel Mbeu	M	Kalukwembe	✓			A. Mbeu
36	Fale Sakala	M	Katunga	✓		14673/551	F. Sakala
37	Mabel Zulu	M	Kalukwembe	✓			M. Zulu
38	Joseph Phiri	M	Kalukwembe	✓			J. Phiri
39	Ariss Phiri	F	Laifod	✓			A. Phiri
40	Jestina Mwanza	F	Kalukwembe	✓			J. Mwanza
41	Anna Phiri	F	Katunga	✓		14697/551	A. Phiri
42	Musella Mwanza	F	Kalukwembe	✓			M. Mwanza
43	Makolana Mbeu	F	Laifod	✓		21574/551	M. Mbeu
44	Mable Banda	F	Kalukwembe	✓			M. Banda
45	Blancia Jere	F	Kalukwembe	✓			B. Jere
46	Fatima Mwanza	F	Kalukwembe	✓			F. Mwanza
47	Pulkelia Mwanza	F	Katunga	✓			P. Mwanza
48	Masautia Mwanza	M	Katunga	✓			M. Mwanza
49	Ruth Phiri	F	Amase	✓		92994/551	R. Phiri

CHIPWANYA & CHIWAU
MATEMBA WARD

11/05/22
FIRST VILLAGE MEETING

Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

SN	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	Mosesira mbewe	F	chiwau	✓				
2	Fredrick mbewe	F	chiwau	✓		0992493364		
3	Josephine Phiri	M	chiwau		✓			
4	Jacob Zulu	M	chiwau		✓	0995201509	284343/55/1	
5	Walter Phiri	M	chiwau	✓		0974510349	17588/55/1	
6	Walter Phiri	M	chiwau		✓		158645/55/1	
7	Leonard Phiri	M	chiwau		✓	0710980135	129010/55/1	
8	Corrinic Chilumba	M	chipwanya		✓			
9	Fred mbeuwa	M	chipwanya		✓		129249/55/1	
10	Alison Phiri	M	chiwau	✓		0978537601	273667/55/1	
11	Eleanora Phiri	M	chiwau		✓	0718302913	146448/55/1	
12	Ernestine mbewe	M	chipwanya		✓			
13	Stellen Mbewe	M	chiwau		✓	0714002219	129541/55/1	
14	Isidoro Swande	M	chipwanya		✓		121031/55/1	
15	Vincent Phiri	M	chipwanya	✓		0995	275267/55/1	
16	Murungu mwanza	M	chipwanya	✓			309541/55/1	
17	Frank Phiri	M	chipwanya	✓				
18	Valentina Salala	F	chiwau	✓				
19	Secila Chilumba	F	chipwanya		✓			
20	Janet Zulu	F	chiwau	✓				
21	Esau Phiri	M	chipwanya	✓				
22	Luciano Zulu	M	chiwau	✓		983792252	167944/55/1	
23	Phyllis Zulu	M	chiwau	✓	✓			
24	Mary Banda	F	chipwanya	✓	✓			
25	Walter mbeuwa	F	chipwanya	✓				
26	Happy Phiri	M	chiwau	✓				
27	Ernestine Banda	M	chiwau	✓				

28	Ana Zulu	F	chiwau	✓				
29	Lakelo Phiri	F	chipwanya	✓	✓			
30	Janala Phiri	F	chipwanya	✓				
31	Auleya Mbewe	F	chipwanya	✓	✓			
32	Magnet Zulu	F	chipwanya		✓			
33			chiwau		✓			
34	Emma Njabvu	F	chiwau		✓			
35	Onester Zulu	F	chiwau		✓			
36	Denes Mbewe	M	chipwanya	✓	✓			
37	Jacob Banda	M	chipwanya	✓	✓			
38	Varilet Zulu	F	chipwanya		✓			
39	Lemija Banda	F	chipwanya		✓			
40	Janpha Swande	F	chipwanya		✓			
41	Mary Zulu	F	chipwanya	✓	✓			
42	Rhodah Banda	F	chiwau	✓				
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KUNAWA
CHAOLEKA
ZIPALA
KAMUKA
KAMAZI

12 FIRST VILLAGE MEETING
16/05/22

Ministry of Natural Development PLANNING
Zambia Integrated Forest Landscape Project- Attendance Register

SN	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	JOSUA MILANZI	F	CHIKOBA 2	✓	✓			
2	GERAUDA BANDA	F	KHUNGWA		✓		146215/551	J. milanzi
3	ALFOSINA SAKALA	F	KAMUKA		✓			G. Banda
4	GABIRA PHIRI	F	CHIKOBA 2		✓			A. Sakala
5	MALENI NGOMA	F	CHIKOBA 1		✓			
6	MAELINA PHIRI	F	KHUNGWA		✓			M. Njoma
7	MAGRET PHIRI	F	CHIKOBA 2	✓	✓			
8	BRENDA MILANZI	F	CHIKOBA 2			146213/551	155213/551	M. Phiri
9	ISMAIDA MILANZI	F	KHUNGWA		✓			m. phiri
10	JENICA PHIRI	F	CHIKOBA 2	✓				B. milanzi
11	ONESTAR MBEWE	F	CHIKOBA 2	✓				
12	MATRONA MBEWE	F	KHUNGWA	✓				O. mbewe
13	THRESSA PHIRI	F	CHIKOBA 2		✓		146298/551	M. mbewe
14	ALISA MBEWE	F	CHIKOBA 2		✓		253052/551	T. PA...
15	ALISA MBEWE	F	CHIKOBA 2		✓			
16	MATHA MILANZI	F	CHIKOBA 2		✓			
17	STELLA PHIRI	F	CHIKOBA 1		✓			S. PHIRI
18	PATRICIA BANDA	F	CHIKOBA 1	✓				P. Banda
19	FASTIRA PHIRI	F	CHIKOBA 2		✓			
20	ONESTAR BANDA	F	CHIKOBA 2	✓				
21	EFELA PHIRI	F	CHIKOBA 2		✓			
22	BETWINGE PHIRI	F	CHIKOBA 2	✓				
23	UNICE TEMBO	F	CHIKOBA 2		✓			
24	ALIBESS PHIRI	F	KHUNGWA		✓			A. Phiri
25	MALISELINA MURANDA	F	KHUNGWA	✓				M. Phiri
26	VESTIRA ZULU	F	KHUNGWA	✓				M. MURANDA
27	AGRESS MBEWE	F	CHIKOBA 1	✓				

28	MOREEN BANDA	F	KHUNGWA		✓			
29	LIVINESS BANDA	F	KAMUKA		✓			
30	EVANS MURANDA	M	ZIPALA		✓	097554883	105386/551	
31	CREMENT NGOMA	M	CHIKOBA 1		✓	09714662205	105974551	
32	EVANS NUNATA	M	CHIKOBA 2		✓	09714662205	230698/551	
33	LEONARD MBEWE	M	KHUNGWA		✓	0973300764	125998/551	
34	WILLIAM PHIRI	M	CHIKOBA 1		✓	0971413537	286941551	
35	ELIASI PHIRI	M	KHUNGWA		✓		157511/551	
36	MOSES PHIRI	M	CHIKOBA 2	✓		0971761730	158430/551	
37	GELESU MBEWE	M	KHUNGWA	✓		0977824933	118789/551	
38	JOSEPH MILANZI	M	CHIKOBA 2		✓	0974125549	105151/551	
39	SELIMO PHIRI	M	CHIKOBA		✓			
40	CREOVINE PHIRI	M	CHIKOBA 1		✓			
41	CHAMVERA MURANDA	M	KAMUKA	✓		0985548577	160136/551	
42	CLAPHAS PHIRI	M	CHIKOBA 1	✓			157459/551	
43	MORRIS PHIRI	M	CHIKOBA 1	✓		0973300764	118599/551	
44	GERALD BANDA	M	CHIKOBA 1		✓			
45	RODGEES MILANZI	M	CHIKOBA 2	✓		1729161371	172916/551	
46	RODRICK PHIRI	M	KHUNGWA	✓		0972748296	1076112/551	
47	AMOSE MBEWE	M	CHIKOBA 1		✓	0974238671	282629/551	
48	PATRICIA CHISI	M	CHIKOBA 1		✓			
49	ELIMINA PHIRI	F	CHIKOBA		✓			

50	JOYCE SAUHLA	F	CHIKOZA 1	✓	09775268145	902067/11/11	M. Phiri
51	BRENDA PHIRI	F	CHIKOZA 1	✓	09774252343	146139/11/11	G. Phiri
52	GETRAUDE PHIRI	F	CHIKOZA 2	✓	0779457137	166892/11/11	M. Phiri
53	MAELATA PHIRI	F	CHIKOZA 1	✓			
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FIRST VILLAGE MEETING

MATOMBA WARD

12/05/22

Ministry of Natural Development PLANNING

Zambia Integrated Forest Landscape Project- Attendance Register

S/N	Name	Gender	Village	18-35	36-Above	Phone#	NRC#	Signature
1	Enose Nibvu	F	DZOMBE	✓		072626652		
2	Telefor Chilumba	M	DZOMBE	✓				T. Chilumba
3	Mayeso Banda	M	KASAPA	✓				M. Banda
4	Mbwe Phulani	M	DZOMBE	✓		0976833218	167410/11/11	M. Banda
5	Lasala Banda	M	KASAPA	✓		09570692597	2181888/11/11	Phulani
6	GeLard Banda	M	KASAPA	✓	✓		146227/11/11	J. Banda
7	Rodgers Ng'ambe	M	DZOMBE	✓		0975020159		R. Ng'ambe
8	Piye Ng'ambe	M	DZOMBE	✓	✓			P. Ng'ambe
9	Lusiano Banda	M	KASAPA	✓				L. Banda
10	Sankhulani Ng'ambe	M	DZOMBE	✓				S. Ng'ambe
11	Simon Mwanza	M	KASAPA	✓	✓			S. Ng'ambe
12	Selenia Ng'ambe	F	DZOMBE		✓		642113/11/11	S. Ng'ambe
13	MUKILE Zulu	F	DZOMBE		✓			M. Zulu
14	Joyce Mbwe	F	KASAPA		✓			J. Mbwe
15	Tanidh Ng'ambe	F	DZOMBE	✓	✓			T. Ng'ambe
16	Christine Kwenda	F	DZOMBE		✓			C. Kwenda
17	Banda Sankona	M	KASAPA		✓			S. Banda
18	Wchizani Banda	M	KASAPA	✓			210111/11/11	W. Banda
19	Pharavane Chilumba	M	KASAPA		✓			P. Chilumba
20	Azwesha Banda	M	KASAPA		✓			A. Banda
21	Kambuleche Banda	M	KASAPA		✓			K. Banda
22	Phiri AARON	M	KASAPA SDU		✓	0979892881	106510/11/11	A. Banda
23	Juliyale Ng'ambe	M	DZOMBE		✓		293480/11/11	
24	Mike Phiri	M	CHIKOZA	✓	✓	0955229823	167676/11/11	S. Jakala
25	Sabina Sakala	F	KASAPA		✓			S. Ng'ambe
26	Salami Ng'ambe	F	DZOMBE	✓				J. Banda
27	Julita Banda	F	KASAPA	✓				

28	Tamara	Ng'ombe	F	Dzombe	✓				T. Ng'ombe
29	Violet	Phiri	F	Kasapa	✓				V. Ng'ombe
30	Margaret	Banda	F	Kasapa	✓			146229/54	M. Banda
31	Flora	Phiri	F	Dzombe	✓				F. Phiri
32	Isabel	Banda	f	Kasapa	✓			146229/54	L. Banda
33	Isabel	Banda	m	Dzombe	✓				M. Banda
34	Subwand	Phiri	m	Kasapa	✓	0955387920	524335/54		S. Phiri
35	ANIEL	Ng'ombe	m	Dzombe	✓			213012/55	A. Ng'ombe
36	Gertrud	Zulu	f	chichele	✓			662213/58	G. Zulu
37	Zilasa	Zulu	f	chichele	✓	0971749291		5401147/58	Z. Zulu
38	Evelas	Zulu	f	chichele	✓				E. Zulu
39	Solafina	mbewe	f	chichele	✓	0960789			S. Mbewe
40	Sofret	sakala	f	dzombe	✓				S. Sakala
41	Frank	Banda	m	Kasapa	✓				F. Banda
42	Kwelo	Banda	m	Kasapa	✓				K. Banda
43	Kya	Ng'ombe	m	Dzombe	✓				K. Ng'ombe
44	Kwenda	Kwenda	m	Dzombe	✓				K. Kwenda
45	Magnat	Tambo	f	Dzombe	✓				M. Tambo
46	Melini	Tela	f	Dzombe	✓				M. Tela
47	Velenfina	Ng'ombe	m	Dzombe	✓				V. Ng'ombe
48	Andrew	Phiri	m	Kasapa	✓				A. Phiri
49									

Validation Meetings

MAP VALIDATION CHIMPWANYA

MINISTRY OF NATURAL DEVELOPMENT PLANNING
ZAMBIA INTEGRATED FOREST LAND SCAPE PROJECT - ATTENDANCE REGISTER

S/N	NAME	GENDER	VILLAGE	18-35	36-ABOVE	PHONE	NRC#	SIGNATURE
1	Tanda Zwi Swandile		chipwanya		✓		275267/52/1	
2	Alukanyiro Zulu		chipwanya		✓			
3	Mthangwa Mawanda		chipwanya	✓		077734564	497337/53/1	mtshangwa
4	chipwanya banda		chipwanya	✓				
5	Winfred Phiri		chipwanya	✓			158645/53/1	
6	Sam Phiri		chipwanya		✓			
7	Malacka banda		chipwanya	✓	✓			
8	Chris Stello / Chikuba		chipwanya		✓	097048514	105603/55/1	Chris Chikuba
9	Patrick Chikumbi		chipwanya		✓		275268/55/1	
10	Kaita Mbeye		chipwanya		✓			
11	Masi Banda		chipwanya		✓			
12	Rosemary Mawanda		chipwanya	✓				
13	Rena Banda		chipwanya		✓		3005615/55/1	
14	Retrosia Phiri		chipwanya	✓			228371/55/1	Phiri
15	Fenela Phiri		chipwanya	✓				
16	Manda Mawanda		chipwanya		✓			
17	Dora Phiri		chipwanya		✓		129010/55/1	Phiri
18	Misheck Phiri		chipwanya		✓		126953/55/1	
19	Domeniki Chikumbi		chipwanya	✓				
20	Frank Phiri		chipwanya	✓				
21	ESAO Phiri		chipwanya	✓				
22	Angerima Tembo		chipwanya		✓			
23	Teresa Phiri		chipwanya		✓			
24	Phiri Phiri		chipwanya		✓			

25	Albela Janda								
26	Innocent Mbowe	Chapungu							
27	Dennis Mbowe	Chapungu							
28		Chapungu	✓						A. Mbowe
29									I. Mbowe
30									D. Mbowe
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CHAPUNGU AND BALONI
VALIDATION

MINISTRY OF NATURAL DEVELOPMENT PLANNING
ZAMBIA INTEGRATED FOREST LAND SCAPE PROJECT - ATTENDANCE REGISTER

S/N	NAME	GENDER	VILLAGE	18-35	36-ABOVE	PHONE	NRIC	SIGNATURE
1	PHILIP PITHAMEN	M	CHAPUNGU	✓			18062/65/1	PHILIP
2	PHILIP PITHAMEN	M	CHAPUNGU		✓	0977552715	18062/65/1	PHILIP
3	PHILIP PITHAMEN	M	CHAPUNGU		✓		339997/65/1	M. Pithamen
4	PHILIP PITHAMEN	M	CHAPUNGU		✓			L. Pithamen
5	PHILIP PITHAMEN	M	CHAPUNGU		✓			J. Pithamen
6	PHILIP PITHAMEN	M	CHAPUNGU		✓			S. Pithamen
7	PHILIP PITHAMEN	M	CHAPUNGU		✓			L. Pithamen
8	PHILIP PITHAMEN	M	CHAPUNGU	✓				T. Pithamen
9	PHILIP PITHAMEN	M	CHAPUNGU	✓				M. Pithamen
10	PHILIP PITHAMEN	M	CHAPUNGU	✓				A. Pithamen
11	PHILIP PITHAMEN	M	CHAPUNGU		✓			I. Pithamen
12	PHILIP PITHAMEN	M	CHAPUNGU	✓			18062/65/1	PHILIP
13	PHILIP PITHAMEN	M	CHAPUNGU		✓		18062/65/1	C. Pithamen
14	PHILIP PITHAMEN	M	CHAPUNGU		✓			E. Pithamen
15	PHILIP PITHAMEN	M	CHAPUNGU	✓				F. Pithamen
16	PHILIP PITHAMEN	M	CHAPUNGU		✓			M. Pithamen
17	PHILIP PITHAMEN	M	CHAPUNGU	✓				PHILIP
18	PHILIP PITHAMEN	M	CHAPUNGU		✓			H. Pithamen
19	PHILIP PITHAMEN	M	CHAPUNGU		✓			P. Pithamen
20	PHILIP PITHAMEN	M	CHAPUNGU		✓			G. Pithamen
21	PHILIP PITHAMEN	M	CHAPUNGU		✓			B. Pithamen
22	PHILIP PITHAMEN	M	CHAPUNGU		✓			D. Pithamen
23	PHILIP PITHAMEN	M	CHAPUNGU		✓			M. Pithamen
24	PHILIP PITHAMEN	M	CHAPUNGU	✓				G. Pithamen

25	Alinda Phm	F	Mkaya	✓			180575/55/1	A - Phiri
26	Mphahle Phm	F	Mkaya	✓			146188/55/1	M. Banda
27	Hejce Tembo	F	Mkaya	✓			195510/55/1	R. Tembo
28	Alinda Zulu	F	Leiziyu	✓			-	A. Zulu
29	Zulu Phm	F	Leiziyu	✓			-	n. Phiri
30	Rhoma Zulu	F	Mkaya	✓	✓		166424/55/1	E. Zulu
31	Abhoma Zulu	F	Mkaya	✓			-	E. Phiri
32	Bhoma Phm	F	Leiziyu	✓			-	C. Zulu
33	Cecilia Zulu	F	Mkaya	✓			-	T. Phiri
34	Tamala Phm	F	Mkaya	✓	✓		139040/55/1	S. Zulu
35	Sengol Zulu	F	Mkaya	✓			-	M. Phiri
36	Melisa Phm	F	Chibau	✓	✓		-	C. Phiri
37	Estelle Kochali	F	Leiziyu	✓	✓	0978314/12	105876/55/1	C. Phiri
38	Conat Mwanza	m	Mkaya	✓			141839/55/1	D. Phiri
39	Phimono Mwanza	m	Leiziyu	✓			-	M. Tembo
40	Deas Phm	m	Mkaya	✓	✓		-	M. Tembo
41	Mawema Tembo	F	Mkaya	✓	✓		-	M. Tembo
42	Magadolea Tembo	F	Mkaya	✓	✓		-	M. Mwanza
43	Makina Mwanza	F	Mkaya	✓	✓		167222/55/1	S. Phiri
44	Sarah Phm	F	Leiziyu	✓	✓		-	T. Zulu
45	Iranga Zulu	F	Mkaya	✓	✓		-	S. Tembo
46	Sabita Tembo	F	Mkaya	✓	✓		-	D. Zulu
47	Lesley Jere	F	Leiziyu	✓	✓		-	S. Phiri
48	Jose Phm	F	Mkaya	✓	✓		-	M. Tembo
49	Melita Tembo	F	Leiziyu	✓	✓		-	M. Banda
50	Flourence Banda	F	Mkaya	✓	✓		-	M. Zulu
51	Mwanida Zulu	F	Leiziyu	✓	✓		-	Jere Kachali
52	Kolata Jere	F	Leiziyu	✓	✓		-	S. Kachali
53	Seella Phm	F	Mkaya	✓	✓		-	Flourence Tembo
54	Flourence Phm	F	Mkaya	✓	✓		-	

55	Memoir Banda	F	Leiziyu	✓			206128/55/1	M. Phiri
56	Ireda Mwanza	F	Leiziyu	✓			-	M. Phiri
57	Berendictus Zulu	F	Mkaya	✓	✓		-	B. Zulu
58	Hazel Mwanza	F	Mkaya	✓			-	H. Mwanza
59	Jasika Mwanza	F	Mkaya	✓	✓		-	T. Mwanza
60	Sadan Mwanza	F	Leiziyu	✓			-	S. Longwe
61	Grace Zulu	F	Leiziyu	✓			-	G. Zulu
62	Flourence Mwanza	F	Leiziyu	✓			-	F. Mwanza
63	Sarah Zulu	F	Leiziyu	✓	✓		-	G. Zulu
64	Viktorina Banda	F	Leiziyu	✓	✓		-	U. Banda
65	Male Mbeve	F	Leiziyu	✓	✓		-	M. Mbeve
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Mkaya
MAP VALIDATION

MINISTRY OF NATURAL DEVELOPMENT PLANNING
ZAMBIA INTEGRATED FOREST LAND SCAPE PROJECT - ATTENDANCE REGISTER

S/N	NAME	GENDER	VILLAGE	18-35	36-ABOVE	PHONE	NRC#	SIGNATURE
1	Misozi Gomo	F	Loiziyo		✓	-	-	m. Gomo
2	Agnes Phiri	F	Loiziyo		✓	-	229262/55/	A. Phiri
3	Allestina Phiri	F	Loiziyo		✓	-	349495/55/	E. Phiri
4	Chikumbuko Nkhono	F	Mkaya	✓		-	-	C. N
5	Getref Mbepe	F	Loiziyo		✓	-	107721/55/	S. Mbepe
6	Jennifer Phiri	F	Loiziyo		✓	-	-	J. Phiri
7	Veronica Soko	F	Loiziyo	✓		-	209409/55/	V. Soko
8	Foloss Zulu	F	Mkaya	✓		-	146123/55/	F. Zulu
9	Rhoda Banda	F	Loiziyo	✓		-	-	R. Banda
10	Diana Tembo	F	Loiziyo	✓		-	-	D. Tembo
11	Kabson Zulu	M	Mkaya		✓	-	294780/52/	K. Zulu
12	Aukensio Tembo	M	Loiziyo		✓	-	229266/55/	A. Tembo
13	Andrea Phiri	M	Loiziyo		✓	-	209265/55/	C. Phiri
14	Chindafano Phiri	M	Mkaya	✓		-	385820/52/	C. Phiri
15	Kathabehi Mwanza	M	Mkaya		✓	-	274175/11/	K. Mwanza
16	Evance Mwanza	M	Mkaya		✓	-	-	E. Mwanza
17	Omami Phiri	M	Loiziyo	✓		-	146155/55/	O. Phiri
18	Michael Phiri	M	Loiziyo	✓		-	-	M. Phiri
19	Gift Banda	M	Loiziyo		✓	-	684361/52/	G. Banda
20	Emmanuel Ndao	M	Loiziyo		✓	-	378732/52/	E. Ndao
21	Stephen Nkhonjo	M	Mkaya	✓		-	146194/55/	S. Nkhonjo
22	Virginia Mwanza	F	Mkaya	✓		-	209356/55/	V. Mwanza
23	Azima Tembo	F	Mkaya		✓	-	-	A. Tembo
24	Costance Lukhele	F	Mkaya		✓	-	-	C. Lukhele

25	Nyemba Francis	M	Chasika		✓			F Nyemba
26	Phiri Mchutu	M	Baloni	✓				M Phiri
27	Phiri Maxwell	M	Baloni		✓			M Phiri
28	Bwala Portino	M	Baloni		✓			P Bwala
29	Phiri Jaisa	M	Baloni		✓			J Phiri
30	Moyo Louis	M	Chasika		✓			L Moyo
31	Phiri Lazarus	M	Baloni		✓			L Phiri
32	Phiri Lekela	M	Baloni					L Lekela
33	Torika Nelson	M	Chasika	✓				N Torika
34	Phiri Nelson	M	Baloni	✓				N Phiri
35	Chikumba Nelson	M	Chasika		✓			N Chikumba
36	Chikumba Paul	M	Chasika		✓			P Chikumba
37	Phiri Sylvester	M	Chasika		✓			S Phiri
38	Chikumba Kennedy	M	Chasika		✓			K Chikumba
39	Chikumba James	M	Chasika		✓			J Chikumba
40	Mthanga Richard	M	Chasika		✓			R Mthanga
41	Daka Pamba	M	Chasika		✓			P Daka
42	Phiri Masauko	M	Chasika		✓			M Phiri
43	Phiri Elias	M	Chasika	✓				E Phiri
44	Torika Bernard	M	Baloni		✓			B Torika
45	Phiri Charles	F	Chasika		✓			C Phiri
46	Chikumba Charles	F	Chasika		✓			C Chikumba
47	Phiri Boneta	F	Chasika		✓		20/02/21	B Phiri
48	Phiri Judith	F	Chasika		✓			J Phiri
49	Phiri Setlhamo	F	Chasika		✓			S Phiri
50	Phiri Yohana	F	Chasika		✓			Y Phiri
51	Phiri Joyce	F	Chasika		✓			J Phiri
52	Phiri Joyce	F	Chasika		✓			J Phiri
53	Phiri Joyce	F	Chasika		✓			J Phiri
54	Phiri Joyce	F	Chasika		✓			J Phiri

	NAME	GANDA	VILLAGE	18-95	SC ALOS	PHONE	NRCH	SIGNATURE
55	ZIMBA ALBERTA	F	CHOLEKA	✓	✓	X	X	A - Gulu
56	belita Phiri	F	buloni	✓	✓	X	38 58 323/4	br. Phiri
57	Miriam Zimba	F	choleka	✓	✓	X	145129/55/1	m. zimba
58	ALICE mayo	F	choleka	✓	✓	X	81555/4/11	A. mayo
59	mevisi Phiri	F	buloni	✓	✓	X	X	m. Phiri
60	Beauty Ndambe	F	choleka	✓	✓	X	105506/55/1	B. Ndambe
61	Anna Phiri	F	buloni	✓	✓	X	X	A. Phiri
62	Kidia, mbewe	F	buloni	✓	✓	X	123933/55/1	L. mbewe
63	Selenia Nyemba	F	buloni	✓	✓	X	273125/55/1	S. Nyemba
64	Veronica Mshanga	F	buloni	✓	✓	X	124022/55/1	V. mshanga
65	Joana Phiri	F	buloni	✓	✓	X	X	D. Phiri
66	CARMEN MUMBAZI	F	choleka	✓	✓	X	X	C. MUMBAZI
67	Esther chumbi	F	choleka	24	✓	X	X	E. chumbi
68	Emma Kapaia	F	buloni	✓	✓	X	X	E. Kapaia
69	Veronica Kapaia	F	choleka	✓	✓	X	X	V. Kapaia
70	Vicinia Banda	F	buloni	✓	✓	X	X	V. Banda
71	EUSTING Zulu	F	choleka	✓	✓	X	141145/55/1	E. Zulu
72	Fatima Phiri	F	choleka	✓	✓	X	X	F. Phiri
73	BABIAN ZIMBA	F	choleka	✓	✓	0953873266	146319/55/1	B. ZIMBA
74	MAWATA BANDA	F	choleka	✓	✓	X	105432/55/1	M. BANDA
75	CETHEEN MCHENJA	F	choleka	✓	✓	0992090061	129217/55/1	C. MCHENJA
76	manica tembo	F	choleka	✓	✓	X	X	M. Tembo
77	magileti Phiri	F	choleka	✓	✓	X	X	M. Phiri
78	marisa musale	F	choleka	✓	✓	X	1671355/1	M. musale
79	CLENCIA Nthwaha	F	choleka	✓	✓	X	X	C. Nthwaha
80	Sophia Sukala	F	choleka	✓	✓	X	X	S. Sukala
81	EVEREEN Banda	F	choleka	✓	✓	X	X	E. Banda
82	manesi mshanga	F	choleka	✓	✓	X	X	M. mshanga
83	Joyce guma	F	choleka	✓	✓	X	X	J. guma
84	Selenia chikumba	F	choleka	✓	✓	X	X	S. chikumba

85	ANITA FATIMA	F	choleka	✓	✓			F. Anita
86	Susan Susan	F	choleka	✓	✓			S. Susan
87	Peter Violet	F	choleka	✓	✓			P. Violet
88	JOAN LECHE	F	choleka	✓	✓			J. LECHE
89	ANITA BANDA	F	choleka	✓	✓			A. BANDA
90	ANITA CHICHE	F	choleka	✓	✓			A. CHICHE
91	JOAN KATOL	F	choleka	✓	✓			J. KATOL
92	JOAN KATOL	F	choleka	✓	✓			J. KATOL
93	Zulu KATOL	F	choleka	✓	✓			Z. KATOL
94	JOAN LECHE	F	choleka	✓	✓			J. LECHE
95	JOAN KATOL	F	choleka	✓	✓			J. KATOL
96	JOAN KATOL	F	choleka	✓	✓			J. KATOL
97	JOAN KATOL	F	choleka	✓	✓			J. KATOL
98	JOAN KATOL	F	choleka	✓	✓			J. KATOL
99	JOAN KATOL	F	choleka	✓	✓			J. KATOL
100	JOAN KATOL	F	choleka	✓	✓			J. KATOL

MINISTRY OF NATURAL DEVELOPMENT PLANNING
ZAMBIA INTEGRATED FOREST LAND SCAPE PROJECT - ATTENDANCE REGISTER

S/N	NAME	GENDER	VILLAGE	18-35	36-ABOVE	PHONE	NRC#	SIGNATURE
1	Nomie Banda	F	Silia	✓		-		N. Banda
2	ALINEAS BANDA	F	Silia	✓		0962932305	634117/22/1	E.
3	Jamela Banda	F	peketete		✓	-	129233/55/1	T. Banda
4	Phiri Rebecca	F	chaponda		✓	-		R. Phiri
5	Joyce Tembo	F	chaponda		✓	-		J. Tembo
6	Flowerence Kaleba	F	chaponda		✓	0962310342	159055/55/1	file
7	Mwale Thokozani	F	chaponda	✓		-	-	T. Mwale
8	Nolia Banda	F	Silia	✓		-		N. Banda
9	Janet Mwale	F	chaponda		✓			J. Mwale
10	Esther Banda	F	chaponda		✓		336299/55/1	E. Banda
11	Falia Banda	F	chaponda		✓			F. Banda
12	Phiri Tlesia	F	Silia		✓		315197/52/1	T. Banda
13	Magret Mwale	F	chaponda	✓				M. Mwale
14	Sidoni Banda	F	Silia		✓		122200/55/1	S. Banda
15	Tonga Loxalina	F	chaponda		✓			L. Tonga
16	Cecilia Tembo	F	chaponda	✓				C. Tembo
17	Banda Judyth	F	chaponda		✓			J. Banda
18	Grace Banda	F	Silia	✓				G. Banda
19	Xiwa Elizabeth	F	chaponda	✓				E. Xiwa
20	Linile Mbewe	F	chaponda	✓				L. Mbewe
21	Mary Mbewe	F	chaponda	✓				M. Mbewe
22	Janet Banda	F	Silia		✓			J. Banda
23	Mere Mbewe	F	chaponda		✓			M. Mbewe
24	Susan Mbewe	F	chaponda	✓				S. Mbewe

25	Alice Mwale	F	chaponda	✓		099985557	120174/55/1	A. Mwale
26	Miriam Banda	F	Silia	✓	✓	0962310216	167918/52/1	M. Banda
27	Jessy Sakala	F	chaponda	✓			146164/55/1	J. Sakala
28	Jaxiong Banda	F	peketete	✓				T. Banda
29	Jennifer Mbewe	F	chaponda	✓		0996083357		J. Mbewe
30	Joyce Banda	F	chaponda	✓				J. Banda
31	Banda Getrude	F	chaponda	✓		-	-	G. Banda
32	Grace Mwale	F	chaponda		✓	-	-	G. Mwale
33	Banda Magdalena	F	chaponda	✓				M. Banda
34	Lovness Mbewe	F	chaponda		✓			L. Mbewe
35	Shira Mbewe	F	chaponda	✓				S. Mbewe
36	Lexna Mwale	F	chaponda	✓				L. Mwale
37	Doris Mwale	F	chaponda	✓		0961310086	158440/55/1	D. Mwale
38	Clara Mwale	F	chaponda	✓				C. Mwale
39	Bisiyana Mbewe	F	chaponda	✓	✓	124042/55/1	124042/55/1	B. Mbewe
40	Mere Mbewe	F	chaponda	✓				M. Mbewe
41	Mwale Elizabeth	F	chaponda	✓				E. Mwale
42	Sakala pelina	F	Silia		✓			P. Sakala
43	Mwale Magret	F	Silia	✓				M. Mwale
44	Tembo Memory	F	chaponda	✓				M. Tembo
45	BANDA EDWARD	M	SILIA	✓		0762303008	167855/55/1	E. Banda
46	MWALE MATILDA	M	SILIA		✓			M. MWALE
47	PHIAI JAMES	M	SILIA		✓			J. PHIAI
48	MWALE ISAAC	M	CHAPONDA		✓			I. MWALE
49	PHIAI JAMES	M	CHAPONDA	✓		0993698946	218450/55/1	J. PHIAI
50	MWALE GOLDEN	M	CHAPONDA	✓			167863/50/1	G. MWALE
51	MBEWE STEPHEN	M	CHAPONDA		✓	099716965		S. MBEWE
52	MBEWE ZAKETO	M	CHAPONDA		✓			Z. MBEWE
53	MBEWE MATAKA	M	CHAPONDA		✓			M. MBEWE
54	MWALE JOHN	M	SILIA		✓			J. MWALE

