



**NATIONAL  
DISASTER RISK MANAGEMENT COMMISSION  
(NDRMC)**

**WOREDA DISASTER RISK PROFILE (WDRP)**

**REGION:     AFAR**

**ZONE:       ZONE 3**

**WEREDA:    BURE MUDAYITU**

**December, 2020**

**Addis Ababa**

## About the National Disaster Risk Management Commission (NDRMC)

The National Disaster Risk Management Commission (NDRMC) was reestablished in December 2015 and recognized by an act of Council of Ministers (Regulation No. 363/2015) as an autonomous Federal Government office mandated to conduct appropriate activities for the comprehensive implementation and realization of the objectives of the National Disaster Risk Management Policy and Strategy and to coordinate, monitor and provide appropriate support with respect to activities carried out by the lead sector institutions.

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## PREFACE

Ethiopia is well aware of the impact that disasters can have on the development goals that we are rigorously pursuing through our Growth and Transformation Plan II. With this recognition we started a paradigm shift a few years ago, largely triggered by the revised National Policy and Strategy on Disaster Risk Management.



To make the DRM programme implementation in the country well-informed, a comprehensive information management system is required. We have been undertaking a comprehensive risk assessment exercise under which Disaster Risk Profiles are being prepared for each district and at sub-district levels in the country.

This Wereda Disaster Risk Profile establishes an extensive database on disaster risk elements that will help decision makers at all levels to be better informed at community and Wereda level about the characteristics of potential hazards, their potential exposure, vulnerabilities of communities, capacities and that can also be an input for Wereda Disaster Risk Reduction Plans and area specific early warning tools.

Wereda Disaster Risk Profiles developed are publically available here for the use of all development partners and government sectors at all levels. Also, other data sources of NDRMC, such as Desinventar, Livelihood Baseline and the Early Warning information will be integrated and harmonized with this Information Management System.

Finally, we need to acknowledge the support of partners who have funded this programme and we also look for the support of donors and all development partners in order to achieve the ambitious indicators of this risk information and providing every district with the disaster risk profile and their respective risk-informed plans.

A handwritten signature in black ink, consisting of stylized, overlapping loops and lines, positioned above the printed name.

*H.E. Ato Mitiku Kassa*

*Commissioner*

*National Disaster Risk Management Commission (NDRMC)*

*The Federal Democratic Republic of Ethiopia (FDRE)*

# PREFACE

Woreda Disaster Risk Profiling (WDRP) is a government owned programme undertaken by the National Disaster Risk Management Commission (NDRMC) in collaboration with regional DRM offices and development partners to provide baseline information for disaster risk management practices and activities in the country. The programme is designed by taking into account the experiences gained from the implementation of previous strategies and actions like the Hygo Framework for Action (2000-2015) and the Sendai Framework for Disaster Risk Reduction (2015-2030).



WDRP is composed of diversified indicators including hazard related issues, crop and livestock production, landholding and environmental issues, human and livestock health issues, education and social issues at wereda and kebele level. It provides basic and detailed indicators with both quantitative and qualitative information which obtained from both primary and secondary data sources.

Moreover, two pages summary of profiles is also prepared to help users easily understand WDRP results for each wereda without going into detail for all indicators. In addition to this booklet, developed profiles are uploaded on WDRP website (<http://profile.ndrmc.gov.et>) to be viewed by all users; we encourage all DRM actors at all levels to use this profile as baseline information for all DRM initiatives.

This WDRP booklet was produced through exemplary collaboration of all concerned bodies and I would like to give my deepest gratitude to all who directly or indirectly contribute for the success of the programme particularly for data enumerators and supervisors, data encoders and profile development teams, consultants and advisors, partner ministries and all DRM stakeholders.

*Abraham Abebe*  
*Director*

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*National Disaster Risk Management Commission (NDRMC)*

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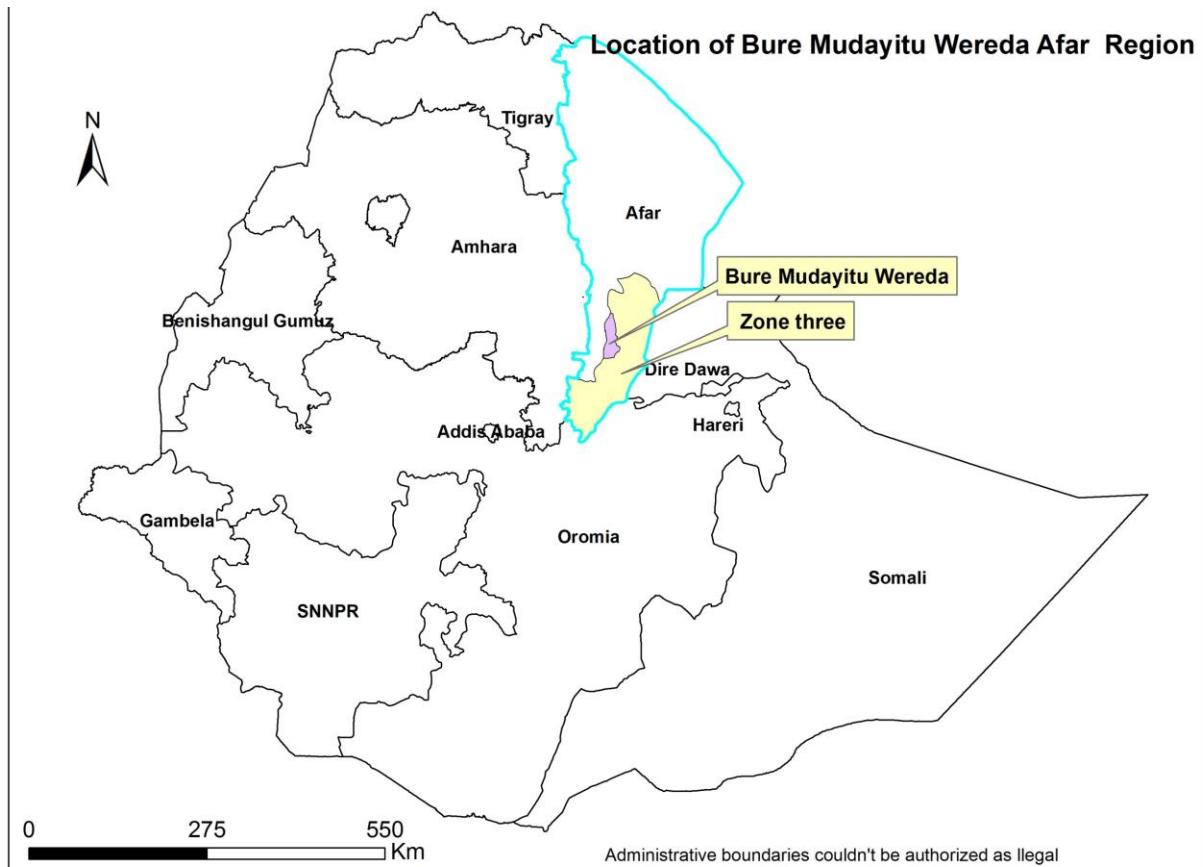
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# WEREDA LOCATON



# METHODOLOGY

## ▪ **WDRP Content :**

- Comprehensive information on disaster risk components (Hazards, Vulnerability and Capacity)
- Multi-sectoral and multi-hazard information.

## ▪ **Research Approach:**

- Mixed Approach
- Both quantitative and qualitative information

## ▪ **Data Sources:**

- Primary Data:
  - ✓ Household Questionnaires: statistically significant number (around 400 households).
  - ✓ Focus Groups Discussions: One per kebele
  - ✓ Key Informant Interviews: with major woreda level government and non-government DRM actors
  - ✓ Problem Tree Analyses : to see the cause and effect of disasters
- Secondary Data:
  - ✓ collected relevant to WDRP indicators:
  - ✓ LIU, SERA Project, Risk baseline, other ministries...

## ▪ **Sampling Technique:**

- Multistage cluster sampling
- Both Probability and Non-probability sampling

## ▪ **Methods of Analysis:**

- Descriptive Statistics
- Textual Analysis
- Cipro and SPSS
- Automate WDRP software

**WEREDA**

**SUMMARY DISASTER RISK PROFILE**

**INFORMATION**



# Disaster Risk Profile: Bure Modayitue Wereda

## SUMMARY OF WEREDA PROFILE

Drought, human diseases and livestock diseases are the three major disaster risks in the wereda that households face frequently. Flooding and conflicts are also common in some areas. Water pollution, deforestation and pest infestation are the major environmental problems. Moreover, invasion of range land by *prosopis julifera* is additional problem. Lack of veterinary and health services; poor sanitation; lack of infrastructures (such as road, transportation and market); lack of awareness; and poor capacity of the community are among the vulnerability factors. The wereda is potential for crop production because of availability of fertile land and good access to irrigation.

The capacity of the community can be enhanced through engaging the pastoralist community into agro-pastoral activities. Development of infrastructures such as human and animal health stations, road, school and water sources are also desired in the community. Improving preparedness measure of the community is also required.

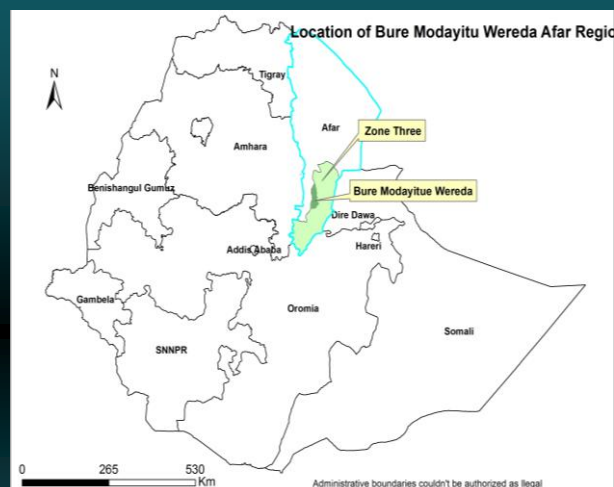
## SUMMARY OF LIVELIHOOD ZONE

### ➤ Araamis ke Adaar Pastoral Zone (LZ6)

Pastoralism is the main livelihood activity. Cattle, shoats (sheep/goats) and camels are the most important livestock. Land is communally owned by clans. Food sources for all wealth groups are predominantly purchases of cereals (maize, wheat, and sorghum) supplemented by livestock products such as milk and meat from their own livestock.

### ➤ Namalefane Ke Baadu Pastoral Livelihood Zone (LZ7)

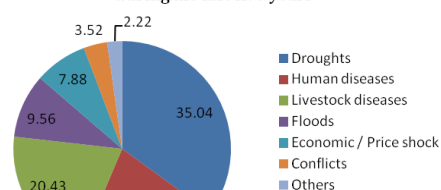
Pastoralism is the main livelihood activity but agricultural labour employment is also significant. Camel, cattle and shoats (sheep/goats) are the most important species. A number of isolated kebeles practise agro-pastoralism.



## MAJOR DISASTERS REPORTED IN WEREDA

| Kebele     | Disaster 1 | Disaster 2               | Disaster 3     | LIU Info                                                                                                                                                                                                                                      |
|------------|------------|--------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sebuli     | Drought    | Animal disease           | Human disease  | <b>Chronic hazards:</b><br><b>LZ6:</b><br>Drought, conflicts, general market shocks, animal and human diseases<br><br><b>LZ 7:</b><br>Floods, drought, livestock and human diseases, conflicts and the invasive weed <i>prosopis julifera</i> |
| Beidaforo  | Drought    | Human disease            | Animal disease |                                                                                                                                                                                                                                               |
| Moroburi   | Drought    | Human disease            | Animal disease |                                                                                                                                                                                                                                               |
| Debel      | Drought    | Human disease            | Animal disease |                                                                                                                                                                                                                                               |
| Geferem    | Drought    | Human disease            | Animal disease |                                                                                                                                                                                                                                               |
| Burka      | Drought    | Human and animal disease | Conflict       |                                                                                                                                                                                                                                               |
| Kodoe      | Drought    | Human disease            | Animal disease |                                                                                                                                                                                                                                               |
| Dengelgita | Drought    | Human and animal disease | Conflict       |                                                                                                                                                                                                                                               |

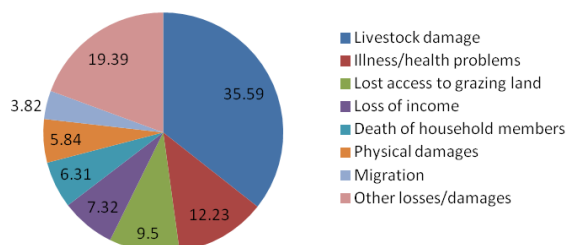
Proportion of households by major disaster faced during the last five years



## SHORT NARRATIVE ON MAJOR DISASTERS:

Drought is the major problem affecting households which also contributes to other disaster risks such as human diseases, animal diseases and conflict. It is the major reason for decreasing number of livestock due to lack of pasture and water. Similar to other weredas in Afar Region, Malaria is the major health problem in Bure Mudayitue wereda. Diarrhea is also commonly prevalent due to poor sanitation, water contamination (due to flooding) and lack of clean drinking water. On the other hand, Pasteurellosis, Contagious Caprine Pleuropneumonia (CCPP), Liver fluke, Black leg and Foot and Mouth Disease (FMD) are the major livestock diseases reported in the wereda. Their prevalence is reported increasing over time mainly due to lack of veterinary service. Flooding due to overflow of Awash River is the cause for damage on houses and disease occurrence in the area thereby resulting in displacement of households. Conflict among different ethnic groups is also additional problem in the wereda.

Proportion of households by major disaster losses suffered



## EFFECT OF DISASTERS

| Disasters                | Loss 1                          | Loss 2           | Loss 3          |
|--------------------------|---------------------------------|------------------|-----------------|
| <b>Drought</b>           | Lack of pasture and water       | Death of animals | Lack of food    |
| <b>Human disease</b>     | Lack of manpower due to illness | Death of humans  | Economic crisis |
| <b>Livestock disease</b> | Death of animals                | Shortage of food | Migration       |
| <b>Flood</b>             | Physical damage                 | Death of animals | Migration       |
| <b>Conflict</b>          | Death of humans                 | Death of animals | Displacement    |



# Disaster Risk Profile: Bure Modayitue Wereda

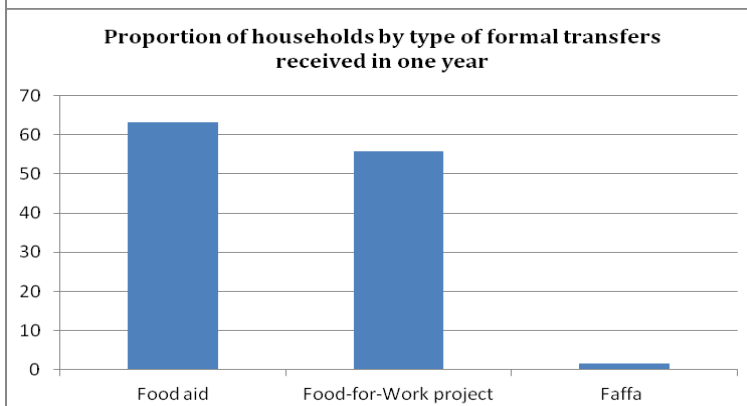
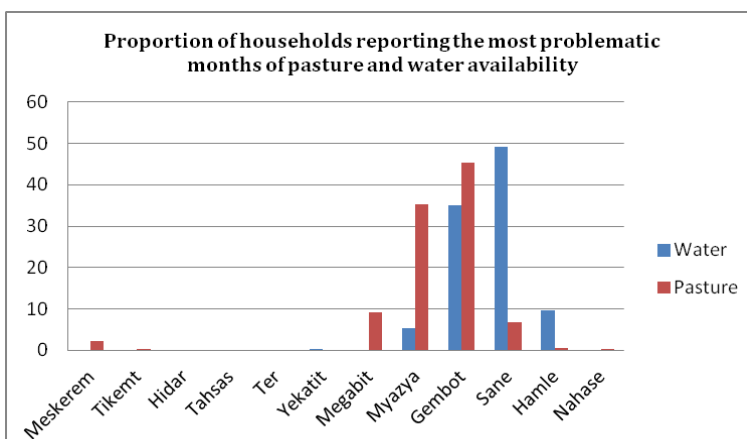
## HOUSEHOLD AND COMMUNITY

### VULNERABILITY

The capacity of the community is low which can be inferred from the fact that 64% of the households did not manage to recover from the disaster losses. Besides, 80% of the households are in doubt or unable to raise Birr 500 in one week implying their vulnerability to a sudden on-set of disasters such as human and animal diseases and floods which are common in the wereda. As a result, 63% and 57% of the households have received transfers in the form of food aid and food-for-work.

Pasture is very scarce during April and May, while water is scarce for livestock in May and June. During this time, households migrate to other areas and get into conflict with other ethnic groups over pasture and water. Despite availability of fertile soil and irrigation water, only few households participated in crop production. Community preparedness against disasters is very low where they rely on 'Allah' and government.

Households are vulnerable to livestock diseases due to lack of veterinary service in the area and dwindling amount of pasture and water in the wereda. On the other hand, lack of health service, poor awareness of the community, food shortage (malnutrition), contamination of water by flooding, poor sanitation and lack of pure drinking water are among the factors making households vulnerable to human diseases. Lack of flood protection structures frequently makes households vulnerable to flooding and displacement and loss of asset.



### Accessibility:

- Access to road and urban centre:** it took households one hour and 40 minutes to reach the nearest paved road. On the other hand, average time taken to reach the nearest **urban center** is more than 2 hours. **Access to electricity:** 19% of the households are located in the community with electricity, but only 6.5% are actually connected to electric power.
- Access to veterinary facility:** about 98% of the households reported to have very poor access to **veterinary service** and **livestock drugs**.
- Access to market:** the Kebeles in the wereda are far away from major livestock markets and they travel long distances to reach these markets and on their way, they fight with other pastoralists and animals may also die. Lack of road and transportation are additional problems.
- Access to water and sanitation:** 61% of the households primarily obtain drinking water from rivers. However, 72% of them do not make any type of water treatment before drinking, while 23% use water guard to clean the water. With regard to sanitation, 77% of the households reported to have no toilet facility at all, while 20% use outdoors latrine.
- Access to credit:** only 9.9% of the households have borrowed money, out of which 71% of them obtained the credit from local shops/money lenders. They used the credit to mainly purchase food items.

### Level of Awareness and Institutional Development

The **literacy level** of the population above 7 years of age is only **10.2%**, out of which 83% of them completed only below first grade level, while 12% and 5% attended primary and secondary schools respectively. With regard to **gender parity** in education, proportion of male students dominates at all education levels. Of the total households interviewed, 9.8% of them are female-headed households.

**Community awareness** about disaster risk management system and actors is poor. There are few **community based organizations** which are focused on helping each other in agricultural and trading activities. **Among NGOs**, WFP, UNICEF, Save the Children, Care Ethiopia and AMRCF Ethiopia work on school feeding, nutrition and health which adds capacity to the wereda DRM activity.

### InfoBits:

|                  |                  |
|------------------|------------------|
| Population       | : 31786 (2007)   |
| Sex ratio        | : 754 F/1000 M   |
| Urban Population | : --- (2007)     |
| Mean Altitude    | : 577.7 m        |
| Mean Slope       | : 0.44%          |
| Measles caseload | : 21 (2004-2009) |

Sources: Various Secondary Sources

### COMMUNITY CAPACITY TO COPE

- Selling more livestock than usual (to purchase food) is the **major coping mechanism** adopted by households during disasters followed by long-term migration (particularly in search of water and pasture).
- Strong social cooperation** is reported to be good, but the level of cooperation is decreasing because of frequent occurrence of disasters and weak socio-economic capacity of the community.
- Crop and livestock diversity:** Goats, sheep and cows are the major types of livestock reared by households in the wereda followed by camels and donkey. Of the 8 kebeles in the wereda, 4 of them participated in crop production (maize production) but only less than 5% of the households actually practiced crop production. **But the wereda is potential for crop production** due to availability of fertile land and water (rivers) for irrigation that can be used to enhance the capacity of the pastoralists particularly in terms of food availability. There are also private farms which are engaged in cotton production which can transfer knowledge towards the local community in agriculture.

# **WDRP Indicators**

## **Hazard Related Characteristics**



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

|                    |                                  |  |  |  |  |
|--------------------|----------------------------------|--|--|--|--|
| Selected Indicator | Biological Hazards of the Wereda |  |  |  |  |
|--------------------|----------------------------------|--|--|--|--|

|                    |                        |                          |
|--------------------|------------------------|--------------------------|
| <u>Hazard_Name</u> | <u>Cause_Of_Hazard</u> | <u>Effects_Of_Hazard</u> |
|--------------------|------------------------|--------------------------|

|                        |                |  |
|------------------------|----------------|--|
| <u>Hazard_Sub_Type</u> | Animal disease |  |
|------------------------|----------------|--|

|                |                            |                  |
|----------------|----------------------------|------------------|
| Pasteurellosis | Drought                    | Death of animals |
|                | Shortage of water and feed | Shortage of food |
|                | Lack of medicine           | Economics loss   |
|                |                            | Migration        |

Contagious Caprine  
Pleuropneumonia (CCPP)

Liver fluke

Black leg

Newcastle disease  
(Chicken)

Foot and Mouth Disease  
(FMD)

|                        |                |  |
|------------------------|----------------|--|
| <u>Hazard_Sub_Type</u> | Human diseases |  |
|------------------------|----------------|--|

|         |                                 |                                          |
|---------|---------------------------------|------------------------------------------|
| Malaria | Poor sanitation (hygiene)       | Low productivity due to lack of manpower |
|         | Malnutrition (shortage of food) | Human death ,                            |
|         | Lack of health services         | Sickness and social problems             |
|         | Flood                           | Economic crisis                          |

Diarrhea



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

|                    |                                  |  |  |  |  |
|--------------------|----------------------------------|--|--|--|--|
| Selected Indicator | Geological Hazards of the Wereda |  |  |  |  |
|--------------------|----------------------------------|--|--|--|--|

|                    |                        |                          |
|--------------------|------------------------|--------------------------|
| <u>Hazard_Name</u> | <u>Cause_Of_Hazard</u> | <u>Effects_Of_Hazard</u> |
|--------------------|------------------------|--------------------------|

|                        |                   |  |
|------------------------|-------------------|--|
| <u>Hazard_Sub_Type</u> | geological hazard |  |
|------------------------|-------------------|--|

|                                                  |       |       |
|--------------------------------------------------|-------|-------|
| No geological hazards are reported in the Wereda | ----- | ----- |
|--------------------------------------------------|-------|-------|



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator **Hydro Metrological Hazards of the Wereda**

| Hazard_Name | Cause_Of_Hazard | Effects_Of_Hazard |
|-------------|-----------------|-------------------|
|-------------|-----------------|-------------------|

**Hazard\_Sub\_Type** Hydro-Meteorological Hazards

|         |                                 |                                               |
|---------|---------------------------------|-----------------------------------------------|
| Drought | Deforestation                   | Lack of pasture and water for livestock       |
|         | Lack of rainfall in the wereda  | Death of animals                              |
|         |                                 | Low productivity                              |
|         |                                 | Starvation (food shortage)                    |
|         |                                 | Migration                                     |
|         |                                 | Vulnerability to diseases                     |
| Flood   | Overflow of Awash River         | Occurrence of diseases (water borne diseases) |
|         | High rainfall in highland areas | Displacement                                  |
|         |                                 | Death of animals                              |
|         |                                 | Loss of asset                                 |
|         |                                 | Physical damage on property and houses        |



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

|                           |                                             |  |  |  |  |
|---------------------------|---------------------------------------------|--|--|--|--|
| <b>Selected Indicator</b> | <b>Socio Economic Hazards of the Wereda</b> |  |  |  |  |
|---------------------------|---------------------------------------------|--|--|--|--|

|                    |                        |                          |
|--------------------|------------------------|--------------------------|
| <b>Hazard_Name</b> | <b>Cause_Of_Hazard</b> | <b>Effects_Of_Hazard</b> |
|--------------------|------------------------|--------------------------|

|                        |                      |  |
|------------------------|----------------------|--|
| <b>Hazard_Sub_Type</b> | <b>Social Hazard</b> |  |
|------------------------|----------------------|--|

|          |                                                  |                                                                                  |
|----------|--------------------------------------------------|----------------------------------------------------------------------------------|
| Conflict | Competition over water sources and<br>range land | Death of humans<br>Animal death<br>Displacement<br>Starvation<br>Student dropout |
|----------|--------------------------------------------------|----------------------------------------------------------------------------------|



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

**Selected Indicator**      **Technological Hazards of the Wereda**

|                    |                        |                          |
|--------------------|------------------------|--------------------------|
| <u>Hazard_Name</u> | <u>Cause_Of_Hazard</u> | <u>Effects_Of_Hazard</u> |
|--------------------|------------------------|--------------------------|

**Hazard\_Sub\_Type**      technological hazard

No technological hazard has  
been reported in the area

-----

-----



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name | Disaster Type  | Common Period   | Year Occured | Worst Year | Trends of Effects | Root Causes                                                       | Effects                                                              | Vulnerability                                         | Coping Strategy              |
|-------------|----------------|-----------------|--------------|------------|-------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------|------------------------------|
| BIEDAFORO   | Droughts       | May             | 1999-2004    | 2004       | Increased         | lack of rain fall deforestation                                   | Animal mortality , shortage of feed, disease, starvation , migration | shortage of rain fall , over grazing                  | Migration is the only option |
|             | Human diseases | may - September | 1999-2004    | 2004       | Increased         | drought , sanitation , shortage of food , lack of health services | human mortality , sickness, social problems, low productivi ties     | No sufficient health services and lack of medicine    | Migration is the only option |
|             | Animal Disease | may - August    | 1999-2004    | 2004       | Increased         | Drought, shortage of feed no medicine                             | Animals mortality , economic loss, low productivi ty                 | No medicine, shortage of feed, lack of health workers | No                           |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name | Disaster Type  | Common Period  | Year Occured | Worst Year | Trends of Effects | Root Causes                                            | Effects                                                                             | Vulnerability                                                  | Coping Strategy         |
|-------------|----------------|----------------|--------------|------------|-------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------|
| BIEDAFORO   | Floods         | July-September | 1999-2001    | 2000       | Increased         | Over flow of Awash river and rainfall in highland area | people displaced , diseases, asset loss                                             | lack of dam, lack of preparedness and early warning activities | No                      |
| MOROBURI    | Droughts       | April - July   | 1999-2004    | 2002-2003  | Increased         | Lack of rain fall, deforestation                       | Human disease, animal death , low productivity, shortage of animal feed, starvation | Invasion of prosopis juliflora plant                           | Migration               |
|             | Human diseases | April - July   | 1999-2004    | 2002-2003  | Increased         | Shortage of food , lack of medication , drought        | Illness and death of humans and poor body condition                                 | lack of capacity for medication and lack of health service     | Using cultural medicine |



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name | Disaster Type  | Common Period | Year Occured | Worst Year | Trends of Effects | Root Causes                             | Effects                                                          | Vulnerability                                                                | Coping Strategy                            |
|-------------|----------------|---------------|--------------|------------|-------------------|-----------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------|
| MOROBURI    | Human diseases |               |              | 2002-2003  | Increased         | Shortage of animals feed and water      | Death of animals, starvation , migration                         | Lack of veterinary service                                                   | Using cultural medicine                    |
| GEFEREM     | Droughts       | April - may   | 1999- now    | 2004       | Increased         | Deforestation and shortage of rain fall | Animal death , shortage of range land , migration and starvation | Over grazing                                                                 | No strategy except migration               |
|             | Human diseases | May - October | 1999-now     | 2004       | Increased         | Drought, flood , sanitation             | death , sickens, economic crises, social problems                | No sufficient health services, lack of medicine and lack of skilled manpower | No strategy except using cultural medicine |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name | Disaster Type  | Common Period    | Year Occured | Worst Year        | Trends of Effects | Root Causes                                         | Effects                                                                      | Vulnerability                                                      | Coping Strategy                     |
|-------------|----------------|------------------|--------------|-------------------|-------------------|-----------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------|
| GEFEREM     | Animal Disease | May              | 1999-now     | 2004              | Increased         | Drought, shortage of feed and shortage of rain fall | Animal death , reduction of body condition, migration                        | No animals health workers and lack of veterinary service and drugs | No strategy                         |
|             | Floods         | July - September | 2000-2002    | 2000              | Decreased         | Over flow of Awash river                            | people displaced loss of assets migration vulnerabl e for disease            | Lack of dam and residence near Awash river                         | No strategy except migration        |
| BURKA       | Droughts       | January - Jun    | 1999-2004    | Animal death , st | Increased         | Deforestation and shortage of rain fall             | Animal death , starvation , reduction of livestock populatio n and migration | Lack of awareness                                                  | No coping strategy except migration |



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name | Disaster Type              | Common Period | Year Occured | Worst Year | Trends of Effects | Root Causes                          | Effects                                                                                     | Vulnerability                                    | Coping Strategy                     |
|-------------|----------------------------|---------------|--------------|------------|-------------------|--------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------|
| BURKA       | Finance and economy office | Jan - June    | 1999-2004    | 2004       | Increased         | Drought - shortage of feed and water | human sickness , animal death, reduce physical body condition , asset loss                  | Lack of preparedness and poor health service     | No coping strategy except migration |
|             | Conflicts                  | Jan - June    | 2002-2003    | 2003       | Decreased         | Over pasture and water               | Human death                                                                                 | Depends on range land                            | Negotiations through elders         |
| DEBEL       | Droughts                   | May           | 1999-2004    | 2001       | Increased         | Deforestation , lack of rain fall    | Shortage of food, animal death , human disease, starvation , asset loss, no milk production | Deforestation over grazing shortage of rain fall | No strategy                         |



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name | Disaster Type  | Common Period   | Year Occured | Worst Year | Trends of Effects | Root Causes               | Effects                                                           | Vulnerability                                | Coping Strategy                            |
|-------------|----------------|-----------------|--------------|------------|-------------------|---------------------------|-------------------------------------------------------------------|----------------------------------------------|--------------------------------------------|
| DEBEL       | Human diseases | May - October   | 1999-2004    | 2001       | Increased         | Drought , poor sanitation | Human death , economy loss assets, loss sickness                  | Lack of health posts and food shortage       | No strategy except using cultural medicine |
|             | Animal Disease | may - October   | 1999-2004    | 2001       | Increased         | Drought                   | Animals death , economic loss , asset loss, human health problems | Shortage of feed, lack of veterinary service | No strategy                                |
|             | Floods         | June- September | 2000-2001    | 2000       | Decreased         | Over flow of Awash river  | Asset loss, displacement and disease occurrence                   | Lack of dam and residence near Awash river   | Dam construction                           |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| <u>Kebele Name</u> | <u>Disaster Type</u>       | <u>Common Period</u> | <u>Year Occured</u> | <u>Worst Year</u> | <u>Trends of Effects</u> | <u>Root Causes</u>                                                      | <u>Effects</u>                                                                                   | <u>Vulnerability</u>                   | <u>Coping Strategy</u>                      |
|--------------------|----------------------------|----------------------|---------------------|-------------------|--------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------|
| DENGELGITA         | Droughts                   | February - June      | 1999-2004           | 2002-2003         | Increased                | Lack of rain fall for long time                                         | Shortage of animal feed and water, food shortage for humans, human and animal diseases and death | Invasion of prosopis plant in the area | Reporting to wereda administrati on         |
|                    | Finance and economy office | Feb- June            | 1999-2004           | 2002-2003         | Increased                | Drought, lack of pure drinking water, malnutrition, and poor sanitation | Animal and human death                                                                           | Lack of health service                 | Buying medicine from private health centers |



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name | Disaster Type  | Common Period | Year Occured | Worst Year | Trends of Effects | Root Causes                                                        | Effects                                                                   | Vulnerability                                        | Coping Strategy                                           |
|-------------|----------------|---------------|--------------|------------|-------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------|
| DENGELGITA  | Conflicts      |               | 2000-2003    | 2003       | Decreased         | Over pasture and water                                             | Loss of life                                                              | Pastoral way of life                                 | Intervention by government and negotiation through elders |
| KODOE       | Droughts       | April- June   | 1999-2004    | 2004       | Decreased         | shortage of rainfall and deforestation                             | Shortage of animal feed , starvation animal death diseases, economic loss | Deforestation and overgrazing                        | No coping strategy                                        |
|             | Human diseases | May - October | 1999*2004    | 2004       | Increased         | Drought , lack of sanitation, shortage of food, lack of pure water | human death sickness ,health problems economic s loss                     | Poor sanitation, lack of medicine and health service | No coping strategy                                        |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name         | Disaster Type  | Common Period   | Year Occured | Worst Year | Trends of Effects | Root Causes                          | Effects                                                                        | Vulnerability                                                        | Coping Strategy    |
|---------------------|----------------|-----------------|--------------|------------|-------------------|--------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------|
| KODOE               | Animal Disease | may - August    | 1999-2004    | 2003       | Increased         | Drought                              | Animal death ,<br>loss of milk<br>product<br>economic loss<br>shortage of food | Lack of veterinary service and drugs                                 | No coping strategy |
| SEBULINA<br>WENHARA | Droughts       | March - June    | 1991-2004    | 2004       | Increased         | Deforestation , lack of rain fall    | High rate of animals death ,<br>starvation , shortage food                     | Deforestation shortage of rain fall , over grazing, shortage of feed | No                 |
|                     | Animal Disease | May - September | 1999-2004    | 2004       | Increased         | Drought , shortage of water and feed | High animal death ,<br>shortage of food and economic s loss                    | Lack of animals health services and drugs                            | No v               |



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Disaster Characteristics By Kebele

| Kebele Name         | Disaster Type  | Common Period                                          | Year Occured | Worst Year | Trends of Effects | Root Causes                                | Effects                                                                                 | Vulnerability                                                                             | Coping Strategy                    |
|---------------------|----------------|--------------------------------------------------------|--------------|------------|-------------------|--------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------|
| SEBULINA<br>WENHARA | Human diseases | September -<br>October,<br>April, may,<br>June, August | 1999-2004    | 2003       | Increased         | Poor<br>sanitation<br>and food<br>shortage | Low<br>productivi<br>ties ,<br>human<br>death and<br>sickness                           | Lack of<br>awareness ,<br>lack of<br>capacity ,<br>lack of<br>human<br>health<br>services | Migration is<br>the only<br>option |
|                     | Floods         | June-<br>September                                     | 1999-2001    | 1999       | Decreased         | Over flow of<br>Awash River                | Disease<br>occurrenc<br>e, animal<br>death,<br>loss of<br>asset and<br>displacem<br>ent | Lack of<br>early<br>warning<br>information<br>, lack of<br>dam                            | No                                 |

**IMPORTANT:** The years and months mentoned in this report are according to Ethiopian Calendar (EC).



Data Collected Date

Thursday, October 2, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

Hazards: Conflict as an Issue

| <u>KebeleName</u> | <u>Description_Of_Conflict</u>                | <u>Change_In_Last_Decade</u>                 | <u>Main_Causes_Of_Conflict</u> |
|-------------------|-----------------------------------------------|----------------------------------------------|--------------------------------|
| SEBULINA WENHARA  |                                               |                                              |                                |
| BIEDAFORO         | None                                          |                                              |                                |
| MOROBURI          | It happens all the time between ethnic groups | Increased                                    |                                |
| DEBEL             | Conflict happens sometimes                    | Increased                                    |                                |
| GEFEREM           | No conflict                                   | -----                                        |                                |
| BURKA             | It happens over resources                     | Increased                                    |                                |
| KODOE             | There is conflict                             | Increased                                    |                                |
| DENGELGITA        | There is conflict all the time                | From 2000-2003 it increased but now improved |                                |



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Hazard Situation During Last Disaster - Characteristics of most recent disasters that affected the community

| KebeleName       | Types of Disasters                   | Hazard Description                             | Effect Of Disaster                                          | Most Severly Affected                          | Reason                                                      |
|------------------|--------------------------------------|------------------------------------------------|-------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------|
| SEBULINA WENHARA | Drought , Human and animal disease   | A lot of animals died and many people are sick | High rate of animal mortality , high rate of human sickness | Children, women and elders                     | Lack of immunity ( resistance )                             |
| BIEDAFORO        | Human disease                        | It affects the majority of the community       | Majority of the community is affected                       | Children and elders                            | Lack of resistance                                          |
| MOROBURI         | Animal disease, human disease        | Highly affect the community for 2 months       | Human and animal death                                      | Children and elders                            | Lack of resistance                                          |
| DEBEL            | Human disease (diarrhea and malaria) | It affects the majority of the community       | Human death , health problems                               | Children, women                                | Lack of resistance                                          |
| GEFEREM          | Human disease                        | It affects the majority of the community       | 4 people died and many are sick                             | Children and elders                            | Lack of resistance                                          |
| BURKA            | Human disease                        | It affects the majority of the community       | 2 people died and many are sick                             | All community particularly children and elders | Because of lack of resistance                               |
| KODOE            | Human disease                        | It affects the majority of the community       | Few people died and many are sick                           | Children, women and elders                     | Lack of resistance                                          |
| DENGELGITA       | Human disease                        | It affects the majority of the community       | Many people are sick                                        | All the community                              | Lack of balanced diet and pure water and lack of resistance |



Data Collected Date

Wednesday, September 17, 2014

**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator: **Frequency of Disaster Occurrence**

|                        | 4 out of 5 years<br>or more | 3 out of 5 years | 2 out of 5 years | 1 out of 5 years | 0 DK |
|------------------------|-----------------------------|------------------|------------------|------------------|------|
| Conflicts              | 46.00                       | 15.00            | 15.00            | 22.00            | 2.00 |
| Droughts               | 65.00                       | 15.00            | 7.00             | 12.00            | 0.00 |
| Economic / Price shock | 54.00                       | 15.00            | 4.00             | 22.00            |      |
| Floods                 | 18.00                       | 9.00             | 4.00             | 4.00             |      |
| Frost / Cold waves     |                             |                  |                  | 100.00           |      |
| Heat waves/ High temp  | 60.00                       |                  | 20.00            | 16.00            |      |
| Human diseases         | 35.00                       | 10.00            | 10.00            | 43.00            | 1.00 |
| Landslides             |                             |                  |                  | 100.00           |      |
| Livestock diseases     | 44.00                       | 19.00            | 12.00            | 25.00            |      |
| Road Accident          |                             |                  |                  | 100.00           |      |



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |        |               |
|---------------|------|-------------|--------|--------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | Wereda | BURE MODAYITU |
|---------------|------|-------------|--------|--------|---------------|

Selected Indicator:

Household Exposure to Hazards

| <u>Disaster Type</u>        | <u>General Exposure</u> | <u>Last Five Years Exposure</u> |
|-----------------------------|-------------------------|---------------------------------|
| Droughts                    | 25.55                   | 35.04                           |
| Floods                      | 11.11                   | 9.56                            |
| Landslides                  | 0.57                    | 0.08                            |
| Crop diseases               | 0.35                    |                                 |
| Livestock diseases          | 21.87                   | 20.43                           |
| Human diseases              | 20.59                   | 21.27                           |
| Storms / Cyclone/hail storm | 0.07                    |                                 |
| Heavy Rain                  | 0.14                    |                                 |
| Frost / Cold waves          | 0.07                    | 0.08                            |
| Heat waves/ High temp       | 3.68                    | 1.91                            |
| Conflicts                   | 3.68                    | 3.52                            |
| Economic / Price shock      | 11.04                   | 7.88                            |
| Earthquake                  | 0.07                    |                                 |
| Road Accident               | 0.07                    | 0.15                            |
| No Disaster                 | 1.13                    |                                 |



Data Collected Date

Wednesday, September 17, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator:

Months of Occurrence of Frequent Disasters

|                        | A - Sep (Meskerem) | B - Oct (Tikimt) | C - Nov (Hidar) | D - Dec (Tahsas) | E - Jan (Tir) | F - Feb (Yekatit) | G - Mar (Megabit) | H - Apr (Meazea) | I - May (Ginbot) | J - Jun (Sene) | K - Jul (Hamle) | L - Aug (Nehase) |
|------------------------|--------------------|------------------|-----------------|------------------|---------------|-------------------|-------------------|------------------|------------------|----------------|-----------------|------------------|
| Conflicts              | 2.17               | 4.35             | 4.35            |                  | 15.22         | 17.39             | 4.35              | 4.35             | 4.35             | 4.35           | 2.17            |                  |
| Droughts               |                    | 0.59             |                 |                  | 0.59          |                   | 0.59              | 18.69            | 67.36            | 6.53           | 0.59            |                  |
| Economic / Price shock |                    | 3.19             | 4.26            | 2.13             | 10.64         |                   | 4.26              | 3.19             | 9.57             | 4.26           | 2.13            | 5.32             |
| Floods                 | 0.84               | 3.36             |                 |                  |               | 0.84              |                   | 0.84             | 4.20             | 3.36           | 60.50           | 11.76            |
| Frost / Cold waves     |                    |                  |                 | 100.00           |               |                   |                   |                  |                  |                |                 |                  |
| Heat waves/ High temp  |                    |                  |                 |                  |               |                   |                   |                  | 88.00            | 8.00           |                 |                  |
| Human diseases         | 0.73               | 19.41            | 0.37            | 0.37             | 5.49          | 2.56              | 2.56              | 4.40             | 32.60            | 15.02          | 5.86            | 1.83             |
| Landslides             |                    |                  |                 |                  |               |                   |                   |                  |                  |                |                 |                  |
| Livestock diseases     | 0.76               | 11.74            | 0.38            |                  |               |                   | 0.76              | 9.47             | 51.52            | 13.26          | 4.17            | 4.17             |
| Road Accident          |                    |                  |                 |                  |               |                   |                   |                  | 50.00            |                |                 | 50.00            |



Data Collected Date

Wednesday, September 17, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator:

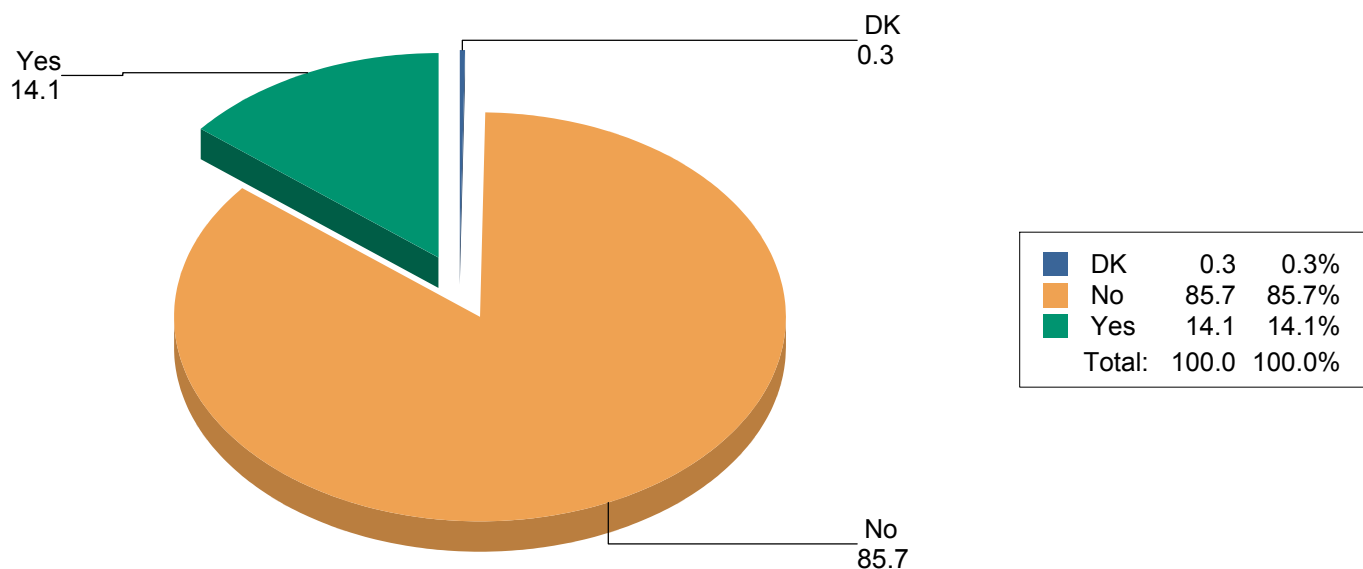
Conflicts: Perception of households on conflict issues - Is conflict an issue in this community?

Is Conflict an Issue in Community?

Response Percent

|     |       |
|-----|-------|
| Yes | 14.06 |
| No  | 85.68 |
| DK  | 0.27  |

### Is Conflict an Issue in Community?





Data Collected Date

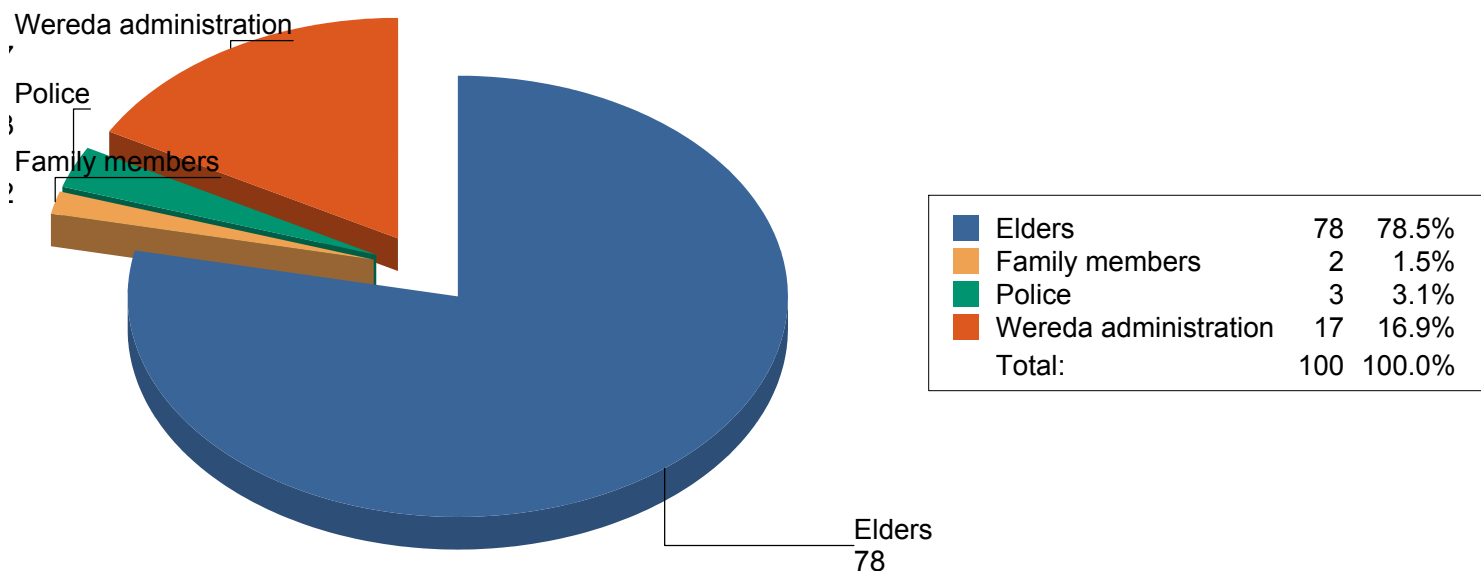
Wednesday, September 17, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator: Conflicts: Perception of households on conflict issues - Who To Turn To in case of Conflict?

| Who To Turn During Conflict? | Response Percentage |
|------------------------------|---------------------|
| Family members               | 1.54                |
| Elders                       | 78.46               |
| Wereda administration        | 16.92               |
| Police                       | 3.08                |

## Who To Turn During Conflict?





# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Wednesday, September 17, 2014

| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator: **Losses from Disasters - Losses from all disasters (household response in %)**

| <u>Type of Loss</u>                                 | <u>Main Loss Percent</u> | <u>Secondary Loss Percent</u> |
|-----------------------------------------------------|--------------------------|-------------------------------|
| Physical damages on houses and property             | 5.84                     | 2.56                          |
| Crop damage                                         | 0.70                     | 1.28                          |
| Livestock damage                                    | 35.59                    | 7.69                          |
| Death of household members                          | 6.31                     | 2.80                          |
| Illness/health problems                             | 12.23                    | 3.69                          |
| Loss of access to social services, including school | 2.18                     | 1.52                          |
| Loss of income                                      | 7.32                     | 15.87                         |
| Loss of savings                                     | 2.88                     | 3.29                          |
| Livestock were stolen                               | 0.23                     | 0.16                          |
| Lost access to grazing land                         | 9.50                     | 8.81                          |
| Lost access to water source                         | 0.78                     | 1.20                          |
| Had to flee/change residence area                   | 3.82                     | 5.61                          |
| Other losses/damages                                | 12.62                    | 45.51                         |



Data Collected Date

Wednesday, September 17, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator: Losses from Disasters - Main Losses by Type of Disasters (household response in %)

Type of Loss Type of Disasters which mainly caused Listed Losses

| Type of Loss                      | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Landslides | Livestock diseases | Road Accident |
|-----------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|------------|--------------------|---------------|
| Crop damage                       | 6.52      |          | 1.08                   |        |                       | 1.47           |            |                    |               |
| Death of household members        | 13.04     | 1.18     |                        | 0.83   |                       | 22.71          |            | 2.27               | 50.00         |
| Had to flee/change residence area |           | 9.17     |                        | 13.22  |                       |                |            | 0.76               |               |
| Illness/health problems           | 8.70      | 1.48     |                        |        | 12.50                 | 47.62          |            | 4.92               | 50.00         |
| Livestock damage                  | 6.52      | 50.89    | 11.83                  | 26.45  | 16.67                 | 15.02          | 100.00     | 73.11              |               |



Data Collected Date

Wednesday, September 17, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator: Losses from Disasters - Main Losses by Type of Disasters (household response in %)

| Type of Loss                                        | Type of Disasters which mainly caused Listed Losses |          |                        |        |                       |                |            |                    |               |
|-----------------------------------------------------|-----------------------------------------------------|----------|------------------------|--------|-----------------------|----------------|------------|--------------------|---------------|
|                                                     | Conflicts                                           | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Landslides | Livestock diseases | Road Accident |
| Livestock were stolen                               |                                                     | 0.30     |                        | 0.83   |                       |                |            | 0.38               |               |
| Loss of access to social services, including school | 30.43                                               | 0.30     | 10.75                  | 0.83   |                       | 0.37           |            |                    |               |
| Loss of income                                      | 2.17                                                | 3.85     | 49.46                  | 4.13   |                       | 2.20           |            | 8.71               |               |
| Loss of savings                                     | 2.17                                                | 0.30     | 16.13                  | 0.83   | 8.33                  | 5.49           |            | 0.76               |               |
| Lost access to grazing land                         |                                                     | 27.22    | 1.08                   | 14.05  | 20.83                 | 1.10           |            | 1.52               |               |



Data Collected Date

Wednesday, September 17, 2014

**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

**Selected Indicator:** Losses from Disasters - Main Losses by Type of Disasters (household response in %)

| Type of Loss                            | Type of Disasters which mainly caused Listed Losses |          |                        |        |                       |                |            |                    |               |
|-----------------------------------------|-----------------------------------------------------|----------|------------------------|--------|-----------------------|----------------|------------|--------------------|---------------|
|                                         | Conflicts                                           | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Landslides | Livestock diseases | Road Accident |
| Lost access to water source             |                                                     | 1.78     |                        | 3.31   |                       |                |            |                    |               |
| Other losses/damages                    | 10.87                                               | 0.59     | 7.53                   | 4.96   | 20.83                 | 1.10           |            | 3.03               |               |
| Physical damages on houses and property | 19.57                                               |          | 2.15                   | 29.75  |                       | 2.56           |            | 4.17               |               |



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator: **Losses from Disasters - Secondary Losses by Type of Disasters (household response in %)**

| Type of Loss | Type of Disasters which caused Listed Secondary Losses |  |  |  |  |  |  |  |  |
|--------------|--------------------------------------------------------|--|--|--|--|--|--|--|--|
|--------------|--------------------------------------------------------|--|--|--|--|--|--|--|--|

|                                   | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Landslides | Livestock diseases | Road Accident |
|-----------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|------------|--------------------|---------------|
| Crop damage                       |           | 0.90     |                        | 2.50   |                       | 1.10           |            | 2.70               |               |
| Death of household members        | 2.20      | 2.70     |                        | 1.70   |                       | 3.10           |            | 5.80               |               |
| Had to flee/change residence area |           | 14.30    | 3.30                   | 11.00  | 15.80                 | 0.40           |            | 1.20               |               |
| Illness/health problems           |           | 1.80     | 1.10                   | 4.20   | 10.50                 | 6.50           |            | 5.80               |               |
| Livestock damage                  |           | 9.80     | 2.20                   | 19.50  | 5.30                  | 6.10           |            | 8.50               |               |



Data Collected Date

Wednesday, September 17, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator:

Losses from Disasters - Secondary Losses by Type of Disasters (household response in %)

Type of Loss

Type of Disasters which caused Listed Secondary Losses

|                                                     | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Landslides | Livestock diseases | Road Accident |
|-----------------------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|------------|--------------------|---------------|
| Livestock were stolen                               |           | 0.30     |                        |        |                       | 0.40           |            |                    |               |
| Loss of access to social services, including school |           | 0.60     | 11.10                  | 0.80   |                       | 1.10           |            | 1.20               |               |
| Loss of income                                      | 6.50      | 21.30    | 18.90                  | 16.10  |                       | 8.40           |            | 25.40              | 50.00         |
| Loss of savings                                     | 4.30      | 0.60     | 10.00                  |        |                       | 7.60           |            | 2.70               |               |
| Lost access to grazing land                         | 2.20      | 22.30    | 2.20                   | 13.60  | 5.30                  | 2.70           |            | 3.80               |               |



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator: **Losses from Disasters - Secondary Losses by Type of Disasters (household response in %)**

| Type of Loss                            | Type of Disasters which caused Listed Secondary Losses |          |                        |        |                       |                |            |                    |               |
|-----------------------------------------|--------------------------------------------------------|----------|------------------------|--------|-----------------------|----------------|------------|--------------------|---------------|
|                                         | Conflicts                                              | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Landslides | Livestock diseases | Road Accident |
| Lost access to water source             | 2.20                                                   | 3.00     |                        | 1.70   | 5.30                  | 0.40           |            |                    |               |
| Other losses/damages                    | 78.30                                                  | 19.80    | 50.00                  | 27.10  | 57.90                 | 57.60          | 100.00     | 40.40              | 50.00         |
| Physical damages on houses and property | 4.30                                                   | 2.40     | 1.10                   | 1.70   |                       | 4.20           |            | 2.70               |               |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Wednesday, September 17, 2014

| <u>Region</u>          |                                  | <u>Zone</u>                                                          | <u>Wereda</u>                  |                          |
|------------------------|----------------------------------|----------------------------------------------------------------------|--------------------------------|--------------------------|
| Selected Indicator:    |                                  | Seasonal Calendar for Hazards, Activities and Income Level By Kebele |                                |                          |
| <u>Month of Hazard</u> | <u>Major Problems /Disasters</u> | <u>Hazard Severity Rank</u>                                          | <u>Agricultural Activities</u> | <u>Income Level Rank</u> |
| <u>Kebele</u>          |                                  |                                                                      |                                |                          |

**NOTE:** Hazard Severity Rank helps prioritize the more severe hazards that have occurred in the months of disaster occurrence, 3 being the worst and 1 the least severe hazards.

# **WDRP Indicators**

## **Infrastructure Access Characteristics**



Data Collected Date

Friday, October 3, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

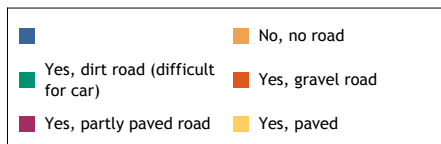
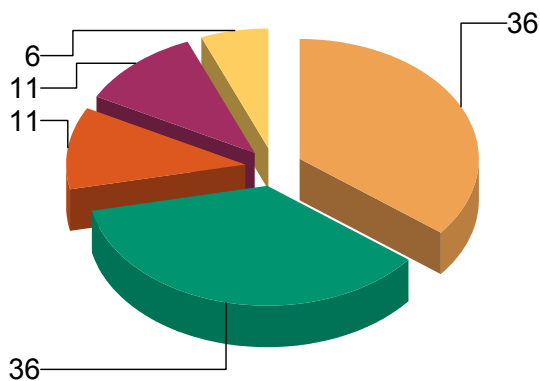
Selected Indicator

Physical Vulnerability: Access to Roads & Urban Centres - Households access to road and urban centre

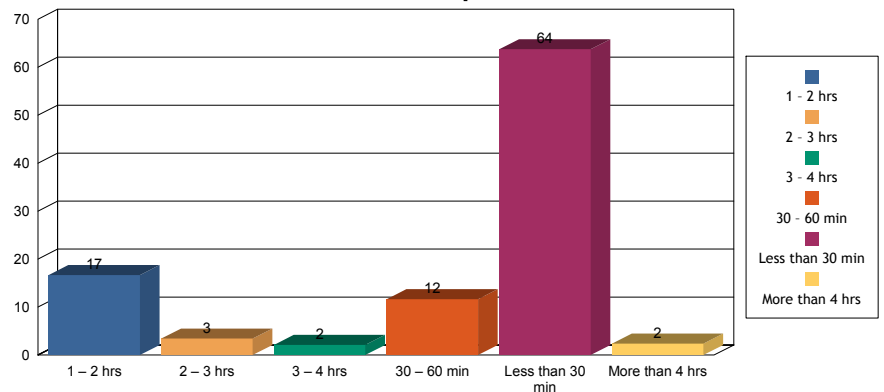
| <u>Type of Road</u>                | <u>Response</u> | <u>Time to Nearest Paved Road (Mins.)</u> | <u>Response</u> | <u>Time To Nearest Urban Center (Mins.)</u> | <u>Response</u> |
|------------------------------------|-----------------|-------------------------------------------|-----------------|---------------------------------------------|-----------------|
| Yes, paved                         | 5.99            | Less than 30 min                          | 63.76           | Less than 1 hr                              | 43.62           |
| Yes, partly paved road             | 11.17           | 30 - 60 min                               | 11.64           | 1 - 2 hrs                                   | 22.07           |
| Yes, gravel road                   | 11.17           | 1 - 2 hrs                                 | 16.67           | 2 - 4 hrs                                   | 21.01           |
| Yes, dirt road (difficult for car) | 35.97           | 2 - 3 hrs                                 | 3.44            | 4 - 6 hrs                                   | 12.77           |
| No, no road                        | 35.69           | 3 - 4 hrs                                 | 2.12            | More than 6 hrs                             | 0.53            |
|                                    |                 | More than 4 hrs                           | 2.38            |                                             | 0.53            |

|                                                |        |                                       |       |
|------------------------------------------------|--------|---------------------------------------|-------|
| <u>Avg Time To Nearest Urban Center(Mins.)</u> | 125.00 | <u>Avg Time To Nearest Paved Road</u> | 46.48 |
|------------------------------------------------|--------|---------------------------------------|-------|

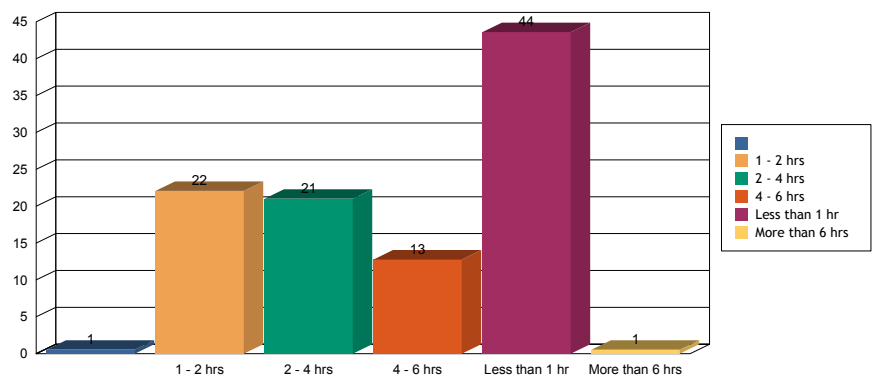
## Type of Road



## Time to reach the nearest paved road from the HH



## Time to reach nearest urban center from the HH





Data Collected Date

Wednesday, September 17, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Physical Vulnerability: Access to Electricity - Households access and utilization of electricity

Household Located In Electricity 19.00

Household Connected To Electricity 6.50



Data Collected Date

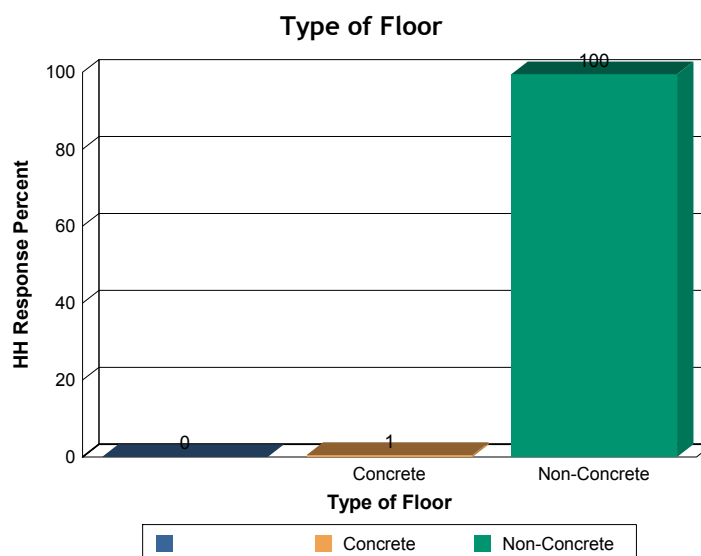
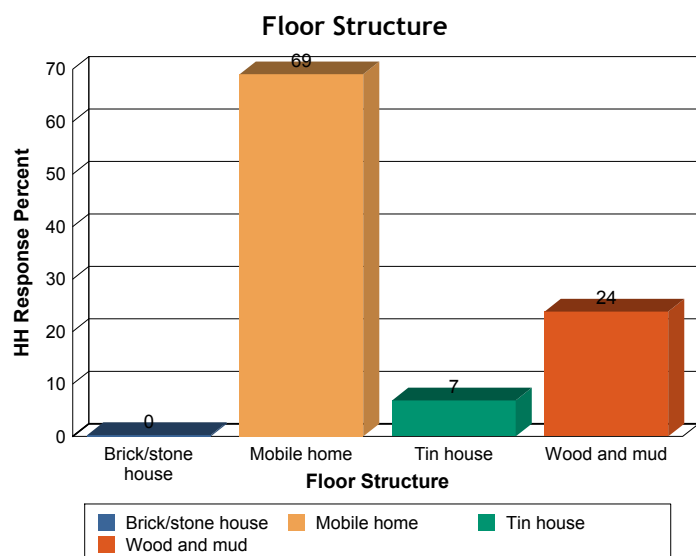
Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Physical Vulnerability: Type of Dwelling Units - Households type of dwelling houses

| <u>Floor Structure</u> | <u>HH Response</u> | <u>Type of Floor</u> | <u>HH Response</u> |
|------------------------|--------------------|----------------------|--------------------|
| Tin house              | 6.88               | Concrete             | 0.50               |
| Wood and mud           | 23.81              | Non-Concrete         | 99.50              |
| Brick/stone house      | 0.26               |                      | 0.00               |
| Mobile home            | 69.05              |                      | 0.00               |



# **WDRP Indicators**

## **Socio Demographic Characteristics**



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Economic Vulnerability: Level of Migration - Migration level and its characteristics by Kebele

| Kebele Name      | Approx. No. | Age Group     | Sex  | Migration Period | Migration Trend | Migration Reason                                      | Destination            |
|------------------|-------------|---------------|------|------------------|-----------------|-------------------------------------------------------|------------------------|
| SEBULINA WENHARA | 200         | All           | both | 0                | Increased       | Searching for animal feed and water and loss of asset | Hengeg                 |
| BIEDAFORO        | 150         | All           | both |                  | Decreased       | Searching for animal feed and water and loss of asset |                        |
| MOROBURI         | 150         | All           | both |                  | Increased       | Searching for animal feed and water and loss of asset | Ordoga, Bedum          |
| DEBEL            | 0           |               |      |                  | ----            |                                                       |                        |
| GEFEREM          | 250         |               | both | All              | Decreased       | Searching for animal feed and water and loss of asset | Gelaalo                |
| BURKA            | 400         | All age group | Both |                  | Increased       | Searching for animal feed and water and loss of asset | Gewane Woreda          |
| KODOE            | 150         | All           | both |                  | Increased       | Searching for animal feed and water and loss of asset | Ordoga, Bedum          |
| DENGELGITA       | 300         | All           | both |                  | Increased       | Searching for animal feed and water and loss of asset | To neighbouring Woreda |



Data Collected Date

Thursday, October 2, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Economic Vulnerability: Household Migration - Household migration and reason for migration

| <u>Duration of Migration</u> | <u>Response Percent</u> | <u>Migration Reason</u> | <u>Response Percent</u> |
|------------------------------|-------------------------|-------------------------|-------------------------|
| Two weeks - month            | 16.26                   | Family reasons          | 1.75                    |
| A month - 3 months           | 66.80                   | Looking for work        | 3.09                    |
| 3 - 6 months                 | 13.31                   | Working elsewhere       | 0.27                    |
| > 6 months                   |                         | In grazing camp         | 92.88                   |
| Less than 2 weeks            | 3.36                    | Visiting                | 0.27                    |
|                              |                         |                         |                         |
|                              |                         |                         |                         |
|                              |                         |                         |                         |
|                              |                         |                         |                         |
|                              |                         | Away at school          | 0.67                    |
|                              |                         | Other                   | 1.11                    |
|                              |                         |                         |                         |
|                              |                         |                         |                         |



Data Collected Date

Thursday, October 2, 2014

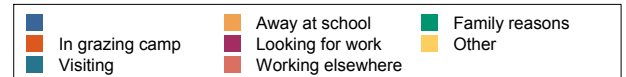
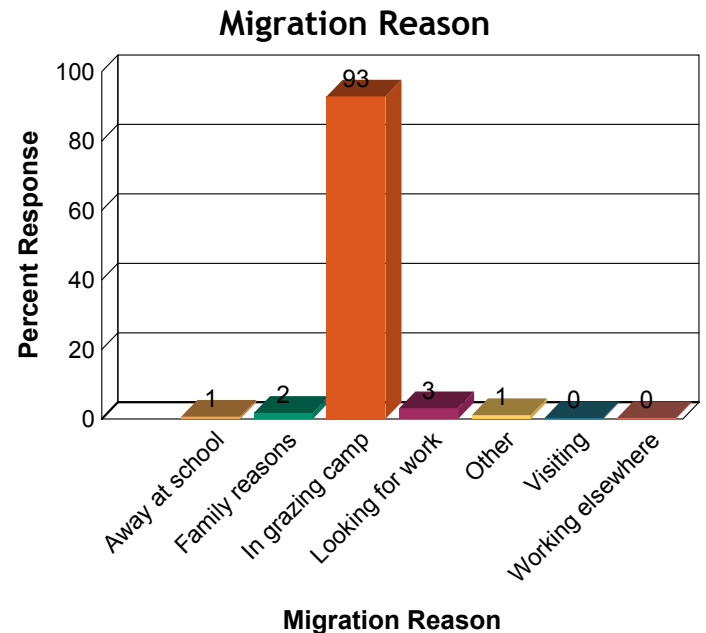
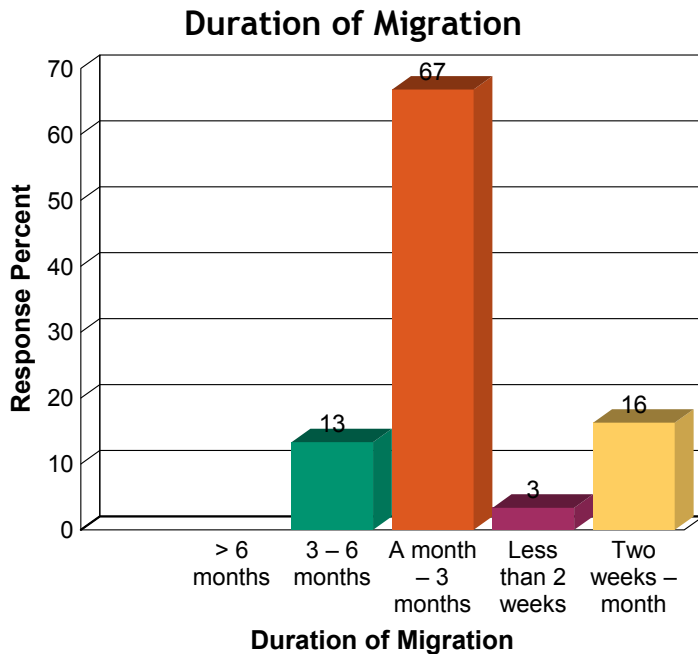
Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Economic Vulnerability: Household Migration - Household migration and reason for migration

Duration of Migration Response Percent

Migration Reason Response Percent





Data Collected Date

Thursday, October 2, 2014

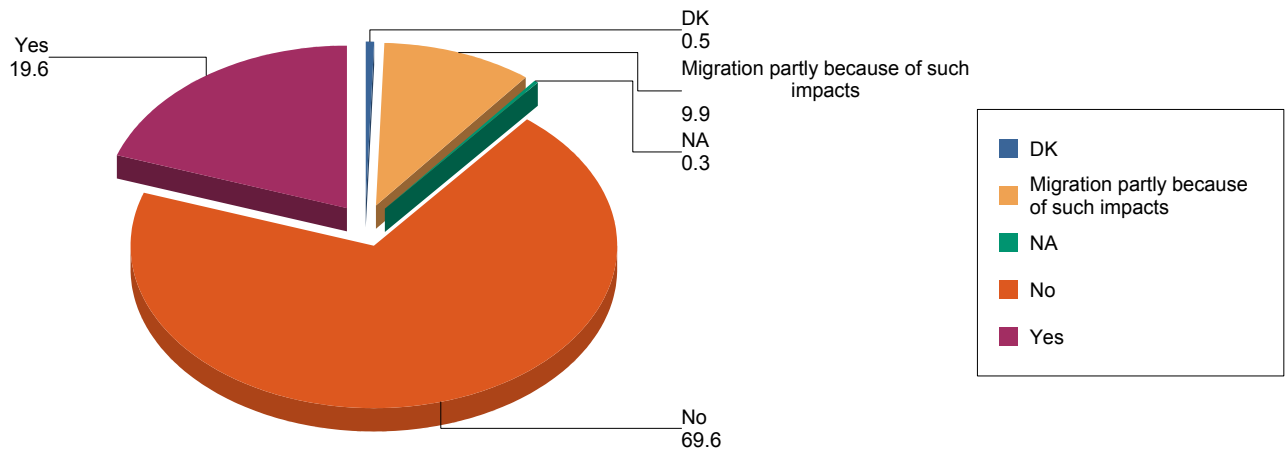
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

**Economic Vulnerability: Household Migration - Disasters as a triggering factor for migration (households response in %)**

| Is Migration Due to Hazard?              | HH Response - Due To Hazard |
|------------------------------------------|-----------------------------|
| No                                       | 69.62                       |
| Yes                                      | 19.62                       |
| Migration partly because of such impacts | 9.95                        |
| DK                                       | 0.54                        |
| NA                                       | 0.27                        |

Is Migration Due to Hazard?





Data Collected Date

Wednesday, September 17, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator:

Demography: Population Structure

KEY:

Male Female

|                  | Children<br>(0-12 yrs) | Older (Above<br>55 yrs) | Working<br>(25-55 yrs) | Youth (12-25<br>yrs) |
|------------------|------------------------|-------------------------|------------------------|----------------------|
| BIEDAFORO        | 17<br>18               | 4<br>1                  | 14<br>16               | 13<br>17             |
| BURKA            | 17<br>18               | 10<br>5                 | 12<br>13               | 11<br>14             |
| DEBEL            | 18<br>22               | 9<br>6                  | 12<br>8                | 12<br>13             |
| DENGELGITA       | 20<br>25               | 10<br>5                 | 11<br>9                | 13<br>12             |
| GEFEREM          | 16<br>19               | 7<br>3                  | 11<br>14               | 12<br>13             |
| KODOE            | 0<br>0                 | 0<br>0                  | 0<br>0                 | 0<br>0               |
| MOROBURI         | 22<br>20               | 5<br>3                  |                        | 16<br>14             |
| SEBULINA WENHARA | 17<br>18               | 7<br>3                  | 10<br>12               | 15<br>17             |



Data Collected Date

Wednesday, September 17, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

**Demography: Population Trends and Ethnic Groups**

| <u>Kebele Name</u>  | <u>Population Change Trend</u> | <u>Population Change Reasons</u> | <u>Ethnic Groups</u>                                                                          |
|---------------------|--------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------|
| SEBULINA<br>WENHARA | Increased                      | More children                    | Gelbosgo                                                                                      |
| BIEDAFORO           | Increased                      | More children                    | -----                                                                                         |
| MOROBURI            | Increased                      | More children                    | Bedelu                                                                                        |
| DEBEL               | Increased                      | More children                    | Madima , misara                                                                               |
| GEFEREM             | Increased                      | More children                    | misara                                                                                        |
| BURKA               | Increased                      | More children                    | bedelu                                                                                        |
| KODOE               | Increased                      | More children                    | Ali sara, madima<br>deray to yambradi<br>Hulietosheka,<br>hertoteni debabura<br>bedele misera |
| DENGELGITA          | Increased                      | More children                    | Ebedo                                                                                         |



Data Collected Date

Wednesday, September 17, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

**Social Vulnerability: Household Demographic Characteristics - Demographic characteristics of households**

| Demographic Indicator                                                  | Indicator Value | Comments                         |
|------------------------------------------------------------------------|-----------------|----------------------------------|
| Average household size                                                 | 6               | -----                            |
| Sex ratio                                                              | 861             | Number of females per 1000 males |
| Child sex ratio (under 14 yrs)                                         | 851             | Number of females per 1000 males |
| Adult sex ratio (18 & Above yrs)                                       | 913             | Number of females per 1000 males |
| Dependency ratio $\left( \frac{[(0-14)+(64+)]}{(15-64)} \right)$ (yrs) | 1               | -----                            |



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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

**Social Vulnerability: Level of Educational Attainment - Education status of household members**

| <u>General Awareness</u>                                      | <u>Percentage</u> | <u>Educational Level</u>                                        | <u>Percentage</u> |
|---------------------------------------------------------------|-------------------|-----------------------------------------------------------------|-------------------|
| Read and understand text - Easily                             | 8.10              | From Proportion of population (7+) - Less than 1st grade        | 83.41             |
| Read and understand text - Easily                             | 8.10              | From Proportion of population (15+) - Less than 1st grade       | 87.08             |
| Read and understand text - with difficulty                    | 4.00              | From Proportion of population (7+) - Primary (1-6)              | 11.68             |
| Read and understand text - with difficulty                    | 4.00              | From Proportion of population (15+) - Primary (1-6)             | 6.27              |
| Can write letters - easily                                    | 6.80              | From Proportion of population (7+) - Secondary (7-12)           | 4.78              |
| Can write letters - easily                                    | 6.80              | From Proportion of population (15+) - Secondary (7-12)          | 6.46              |
| Can write letters - with difficulty                           | 4.70              | From Proportion of population (7+) - Diploma                    | 0.13              |
| Can write letters - with difficulty                           | 4.70              | From Proportion of population (15+) - Diploma                   | 0.19              |
| <u>General Literacy Rate</u>                                  | <u>Percentage</u> | <u>Adult Literacy Rate</u>                                      | <u>Percentage</u> |
| Proportion of literate population (7+) to total 7+ population | 10.20             | Proportion of literate population (15+) to total 15+ population | 11.60             |



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|---------------------------------------------------------------------------------------------------------|------|-------|-------------------|----------------|---------------|
| Selected Indicator                                                                                      |      |       |                   |                |               |
| Social Vulnerability: Gender Parity - Gender parity in education level (7+ years) and household heading |      |       |                   |                |               |
| Educational Level                                                                                       |      |       | Male_Percent      | Female_Percent |               |
| From Proportion of population (7+) - Less than 1st grade                                                |      |       | 52.47             | 47.38          |               |
| From Proportion of population (7+) - Primary (1-6)                                                      |      |       | 60.89             | 39.11          |               |
| From Proportion of population (7+) - Secondary (7-12)                                                   |      |       | 60.81             | 39.19          |               |
| From Proportion of population (7+) - Diploma                                                            |      |       | 100.00            | 0.00           |               |
| Male Head of HH                                                                                         |      | 90.20 | Female Head of HH |                | 9.80          |

# **WDRP Indicators**

## **Environmental Characteristics**



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Selected Indicator

**Environmental Situation: Environmental Problems - Major environmental problems by Kebele**

| <u>KebeleName</u>   | <u>Problem_1</u> | <u>Problem_2</u> | <u>Problem_3</u> | <u>Problem4</u> |
|---------------------|------------------|------------------|------------------|-----------------|
| SEBULINA<br>WENHARA | Deforestation    | Water pollution  | -----            | -----           |
| BIEDAFORO           | Deforestation    | Water pollution  |                  |                 |
| MOROBURI            | Water pollution  | Deforestation    | Soil erosion     |                 |
| DEBEL               | Water pollution  | Deforestation    | Pests            |                 |
| GEFEREM             | Deforestation    | Water pollution  | Pests            |                 |
| BURKA               | Water pollution  | Deforestation    |                  |                 |
| KODOE               | Water pollution  | Deforestation    | Pests            |                 |
| DENGELGITA          | Water pollution  |                  |                  |                 |



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Selected Indicator

**Environmental Situation: General Land Quality - Perceptions of the community on changes in the general quality of land over a decade**

| <u>KebeleName</u>   | <u>Current Situation</u>      | <u>Change Last Decade</u> | <u>Comment</u>                           |
|---------------------|-------------------------------|---------------------------|------------------------------------------|
| SEBULINA<br>WENHARA | Not improved                  | Deteriorated              | Over grazing                             |
| BIEDAFORO           | Not improved                  | Deteriorated              | Over grazing, invasion of prosopis plant |
| MOROBURI            | Bad , because of over grazing | Deteriorated              | Over grazing                             |
| DEBEL               | Not good                      | Deteriorated              | Over grazing                             |
| GEFEREM             | Not improved                  | Deteriorated              | Over grazing                             |
| BURKA               | Not improved                  | Deteriorated              | Over grazing                             |
| KODOE               | Not improved                  | Deteriorated              | Over grazing                             |
| DENGELGITA          | Very good                     | No difference             | The land is not cultivated               |



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Selected Indicator

**Environmental Situation: Changes in Landscape - Changes observed by the community on landscape and the problems due to the changes**

| <u>KebeleName</u> | <u>Changes_Observed</u>              | <u>Problems_Due_To_Changes</u> |
|-------------------|--------------------------------------|--------------------------------|
| SEBULINA WENHARA  | Invasion of prosopis juliflora plant | Lack of pasture                |
| BIEDAFORO         | Invasion of prosopis juliflora plant | Lack of pasture                |
| MOROBURI          | Invasion of prosopis juliflora plant | Lack of pasture                |
| DEBEL             | Invasion of prosopis juliflora plant | Lack of pasture                |
| GEFEREM           | Over grazing                         | Lack of pasture                |
| BURKA             | Invasion of prosopis juliflora plant | Lack of pasture                |
| KODOE             | Invasion of prosopis juliflora plant | Lack of pasture                |
| DENGELGITA        | No change                            | No                             |



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Selected Indicator

**Environmental Situation: Land-Use other than crop production - Types of land use other than crop production across Kebeles**

| <u>Kebele Name</u> | <u>Landuse_1</u> | <u>Comments_1</u>  | <u>Landuse_2</u> | <u>Comments_2</u>             | <u>Landuse_3</u> | <u>Comments_3</u> |
|--------------------|------------------|--------------------|------------------|-------------------------------|------------------|-------------------|
| SEBULINA WENHARA   | Grazing land     | Large              | Farming          | By investor                   |                  |                   |
| BIEDAFORO          | Grazing land     | Large              | Farming          | By investor                   |                  |                   |
| MOROBURI           | Grazing land     | Pastoralists       |                  |                               |                  |                   |
| DEBEL              | Grazing land     | Large grazing land | Farming          | Cotton production by investor |                  |                   |
| GEFEREM            | Grazing land     | Pastoralist        | Farming          | Cotton production by investor |                  |                   |
| BURKA              | Grazing land     | Pastoralist        |                  |                               |                  |                   |
| KODOE              | Grazing land     | Pastoralist        | Farming          | Cotton production by investor |                  |                   |
| DENGELGITA         | Grazing land     | Pastoralists       |                  |                               |                  |                   |



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Selected Indicator

**Environmental Situation: Deforestation - Observed changes over levels of deforestation by the community and its problems**

| <u>KebeleName</u>   | <u>Changes_Observed</u> | <u>Problems_Due_To_Changes</u> |
|---------------------|-------------------------|--------------------------------|
| SEBULINA<br>WENHARA | Increasing              | Drought                        |
| BIEDAFORO           | Increasing              | Drought                        |
| MOROBURI            | Increasing              | Drought                        |
| DEBEL               | Increasing              | Drought                        |
| GEFEREM             | Increasing              | Drought                        |
| BURKA               | Increasing              | Drought                        |
| KODOE               | Increasing              | Drought                        |
| DENGELGITA          | Increasing              | Drought                        |



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Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

|                   |                  |
|-------------------|------------------|
| <u>KebeleName</u> | SEBULINA WENHARA |
|-------------------|------------------|

|                           |                           |                           |           |
|---------------------------|---------------------------|---------------------------|-----------|
| <u>Resources_1</u>        | Land                      | <u>Resources_3</u>        | Forest    |
| <u>Observed_Change_1</u>  | No changes                | <u>Observed_Change_3</u>  | Decreased |
| <u>Problems_Changes_1</u> | Population size increased | <u>Problems_Changes_3</u> | Drought   |
| <u>Resources_2</u>        | Water                     | <u>Resources_4</u>        | Wood      |
| <u>Observed_Change_2</u>  | Decreased                 | <u>Observed_Change_4</u>  | Decreased |
| <u>Problems_Changes_2</u> |                           | <u>Problems_Changes_4</u> | Drought   |

|                   |           |
|-------------------|-----------|
| <u>KebeleName</u> | BIEDAFORO |
|-------------------|-----------|

|                           |                            |                           |           |
|---------------------------|----------------------------|---------------------------|-----------|
| <u>Resources_1</u>        | Land                       | <u>Resources_3</u>        | Forest    |
| <u>Observed_Change_1</u>  | No changes                 | <u>Observed_Change_3</u>  | Deceased  |
| <u>Problems_Changes_1</u> | Population size increased  | <u>Problems_Changes_3</u> | Drought   |
| <u>Resources_2</u>        | Water                      | <u>Resources_4</u>        | Fish      |
| <u>Observed_Change_2</u>  | Decreased                  | <u>Observed_Change_4</u>  | Decreased |
| <u>Problems_Changes_2</u> | Drought , shortage of feed | <u>Problems_Changes_4</u> |           |



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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

|                   |          |
|-------------------|----------|
| <u>KebeleName</u> | MOROBURI |
|-------------------|----------|

|                           |                           |                           |               |
|---------------------------|---------------------------|---------------------------|---------------|
| <u>Resources_1</u>        | Land                      | <u>Resources_3</u>        | Forest        |
| <u>Observed_Change_1</u>  | No changes                | <u>Observed_Change_3</u>  | Decreased     |
| <u>Problems_Changes_1</u> | Population size increased | <u>Problems_Changes_3</u> | Deforestation |
| <u>Resources_2</u>        | Water                     | <u>Resources_4</u>        | Wood , fish   |
| <u>Observed_Change_2</u>  | Decreased                 | <u>Observed_Change_4</u>  | Decreased     |
| <u>Problems_Changes_2</u> | Awash river dried         | <u>Problems_Changes_4</u> |               |

|                   |       |
|-------------------|-------|
| <u>KebeleName</u> | DEBEL |
|-------------------|-------|

|                           |              |                           |                               |
|---------------------------|--------------|---------------------------|-------------------------------|
| <u>Resources_1</u>        | Land         | <u>Resources_3</u>        | Forest                        |
| <u>Observed_Change_1</u>  | No changes   | <u>Observed_Change_3</u>  | Covered by prosopis plant     |
| <u>Problems_Changes_1</u> | Large family | <u>Problems_Changes_3</u> | Drought                       |
| <u>Resources_2</u>        | Water        | <u>Resources_4</u>        | Wood                          |
| <u>Observed_Change_2</u>  | Decreased    | <u>Observed_Change_4</u>  | Decreased                     |
| <u>Problems_Changes_2</u> | Disease,     | <u>Problems_Changes_4</u> | Lack of wood for house making |



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Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

|                   |         |
|-------------------|---------|
| <u>KebeleName</u> | GEFEREM |
|-------------------|---------|

|                           |                       |                           |                              |
|---------------------------|-----------------------|---------------------------|------------------------------|
| <u>Resources_1</u>        | Land                  | <u>Resources_3</u>        | Forest                       |
| <u>Observed_Change_1</u>  | No changes            | <u>Observed_Change_3</u>  | Deceased                     |
| <u>Problems_Changes_1</u> | Increasing population | <u>Problems_Changes_3</u> | Drought                      |
| <u>Resources_2</u>        | Water                 | <u>Resources_4</u>        | Wood                         |
| <u>Observed_Change_2</u>  | Decreased             | <u>Observed_Change_4</u>  | Decreased                    |
| <u>Problems_Changes_2</u> | Drought               | <u>Problems_Changes_4</u> | Shortage of wood and drought |

|                   |       |
|-------------------|-------|
| <u>KebeleName</u> | BURKA |
|-------------------|-------|

|                           |                    |                           |                              |
|---------------------------|--------------------|---------------------------|------------------------------|
| <u>Resources_1</u>        | Land               | <u>Resources_3</u>        | Forest                       |
| <u>Observed_Change_1</u>  | No change          | <u>Observed_Change_3</u>  | Deceased                     |
| <u>Problems_Changes_1</u> | Conflict over land | <u>Problems_Changes_3</u> | Deforestation, drought       |
| <u>Resources_2</u>        | Water              | <u>Resources_4</u>        | Wood                         |
| <u>Observed_Change_2</u>  | Decreased          | <u>Observed_Change_4</u>  | Decreased                    |
| <u>Problems_Changes_2</u> | Harson river dried | <u>Problems_Changes_4</u> | Shortage of wood and drought |



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Selected Indicator

Environmental Situation: Natural Resources Availability - Natural resources available and changes observed by the community

|                   |       |
|-------------------|-------|
| <u>KebeleName</u> | KODOE |
|-------------------|-------|

|                           |                       |                           |                 |
|---------------------------|-----------------------|---------------------------|-----------------|
| <u>Resources_1</u>        | Land                  | <u>Resources_3</u>        | Forest          |
| <u>Observed_Change_1</u>  | No change             | <u>Observed_Change_3</u>  | Lost            |
| <u>Problems_Changes_1</u> | Increasing population | <u>Problems_Changes_3</u> | Desertification |
| <u>Resources_2</u>        | Water                 | <u>Resources_4</u>        | Wood            |
| <u>Observed_Change_2</u>  | Decreased             | <u>Observed_Change_4</u>  | Decreased       |
| <u>Problems_Changes_2</u> | Disease               | <u>Problems_Changes_4</u> | Desertification |

|                   |            |
|-------------------|------------|
| <u>KebeleName</u> | DENGELGITA |
|-------------------|------------|

|                           |                   |                           |                              |
|---------------------------|-------------------|---------------------------|------------------------------|
| <u>Resources_1</u>        | Land              | <u>Resources_3</u>        | Forest                       |
| <u>Observed_Change_1</u>  | No changes        | <u>Observed_Change_3</u>  | Decreased                    |
| <u>Problems_Changes_1</u> | Conflict          | <u>Problems_Changes_3</u> | Desertification              |
| <u>Resources_2</u>        | Water             | <u>Resources_4</u>        | Wood                         |
| <u>Observed_Change_2</u>  | decreased         | <u>Observed_Change_4</u>  | Decreased                    |
| <u>Problems_Changes_2</u> | Awash river dried | <u>Problems_Changes_4</u> | Shortage of wood and drought |



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| Region              | AFAR                                                                                                                                 | Zone                                | ZONE 3 | Wereda           | BURE MODAYITU                             |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------|------------------|-------------------------------------------|
| Selected Indicator  | Environmental Situation: Rainfall & Temperature - Observed changes on rainfall and temperature by the community over the last decade |                                     |        |                  |                                           |
|                     | Rainfall                                                                                                                             |                                     |        | Temperature      |                                           |
|                     | Changes Observed                                                                                                                     | Problems                            |        | Changes Observed | Problems                                  |
| Kebele Name         |                                                                                                                                      |                                     |        |                  |                                           |
| SEBULINA<br>WENHARA | Decreased                                                                                                                            | Drought                             |        | Increased        | Very hot which is inconvenient for living |
| BIEDAFORO           | Decreased                                                                                                                            | Drought                             |        | Increased        | Very hot which is inconvenient for living |
| MOROBURI            | Decreased                                                                                                                            | Drought, shortage of water and feed |        | Increased        | Very hot which is inconvenient for living |
| DEBEL               | Decreased                                                                                                                            | Drought, shortage of water and feed |        | Increased        | Very hot which is inconvenient for living |
| GEFEREM             | Decreased                                                                                                                            | Drought                             |        | Increased        | Very hot which is inconvenient for living |
| BURKA               | Decreased                                                                                                                            | Drought, shortage of water and feed |        | Increased        | Very hot which is inconvenient for living |
| KODOE               | Decreased                                                                                                                            | Drought, shortage of water and feed |        | Increased        | Very hot which is inconvenient for living |
| DENGELGITA          | Decreased                                                                                                                            | Drought                             |        | Increased        | Very hot which is inconvenient for living |



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Selected Indicator

Environmental Situation: Reasons for Environmental Changes

| <u>KebeleName</u> | <u>Reason For Environmental Changes</u>                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------|
| SEBULINA WENHARA  | Drought , deforestation , lack of rain fall for long period of time, expansion of prosopis plant on range land |
| BIEDAFORO         | Drought , deforestation , lack of rain fall for long period of time, expansion of prosopis plant on range land |
| MOROBURI          | Drought , deforestation , lack of rain fall for long period of time, expansion of prosopis plant on range land |
| DEBEL             | Drought, Deforestation , over grazing, shortage of rain fall                                                   |
| GEFEREM           | Drought , shortage of rain fall for a long time, over grazing , deforestation                                  |
| BURKA             | Drought and lack of rain fall for long term or insufficient for the environment , over grazing                 |
| KODOE             | Drought , shortage of rain fall for long period of time, deforestation , over grazing                          |
| DENGELGITA        | Drought                                                                                                        |



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Selected Indicator

Environmental Situation: Soil Erosion - Observed changes on levels of soil erosion by the community

| <u>KebeleName</u> | <u>Changes_Observed</u> | <u>Problems_Observed</u> |
|-------------------|-------------------------|--------------------------|
| SEBULINA WENHARA  | No change               |                          |
| BIEDAFORO         | No change               |                          |
| MOROBURI          | Increased               |                          |
| DEBEL             | No change               |                          |
| GEFEREM           | No change               |                          |
| BURKA             | No change               |                          |
| KODOE             | No change               |                          |
| DENGELGITA        | No change               |                          |

# **WDRP Indicators**

**Livelihood, Occupation and Source  
of Food Characteristics**



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Selected Indicator

**Economic Vulnerability: Major Occupational Categories - Major categories of occupation and percent of population engaged in the occupation by Kebele**

Occupational Categories and Percent of Population engaged within these occupational categories

Percent (%) of Population

| KebeleName          | Occupation 1         | Population | Occupation 2                              | Population | Occupation 3 | Population | Occupation 4 | Population |
|---------------------|----------------------|------------|-------------------------------------------|------------|--------------|------------|--------------|------------|
| SEBULINA<br>WENHARA | Livestock production | 96         | Maize production                          | 4          |              | 0          |              | 0          |
| BIEDAFORO           | Livestock production | 90         | Labour work with<br>investors in the area | 10         |              | 0          |              | 0          |
| MOROBURI            | Livestock production | 100        |                                           | 0          |              | 0          |              | 0          |
| DEBEL               | Livestock production | 100        |                                           | 0          |              | 0          |              | 0          |
| GEFEREM             | Livestock production | 0          | Charcoal production<br>activities         | 0          |              | 0          |              | 0          |
| BURKA               | Livestock production | 100        |                                           | 0          |              | 0          |              | 0          |
| KODOE               | Livestock production | 100        | Crop production (maize<br>and tomato)     | 2          |              | 0          |              | 0          |
| DENGELGITA          | Livestock production | 100        |                                           | 0          |              | 0          |              | 0          |



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Selected Indicator

**Economic Vulnerability: Livelihoods - Households important sources of livelihood (response in %)**

| Type of Livelihood Activity                                 | Order of Importnce |       |       |
|-------------------------------------------------------------|--------------------|-------|-------|
|                                                             | 1st                | 2nd   | 3rd   |
| Agricultural laborer                                        | 2.10               | 0.37  | 0.86  |
| Buying and selling livestock (cattle, sheep, goats, camels) | 1.84               | 1.12  | 0.00  |
| Daily laborer                                               | 7.09               | 8.55  | 0.43  |
| Others                                                      | 0.52               | 52.42 | 91.81 |
| Rearing & selling animals (camels, cattle, sheep, goats)    | 81.10              | 6.32  | 1.29  |
| Restaurant or hotel worker                                  | 0.26               | 0.37  | 0.00  |
| Salaried job                                                | 1.31               | 7.81  | 1.29  |
| Sale_Of_Natural_Products - Charcoal                         | 1.84               | 2.97  | 0.86  |
| Selling Cereal food crops (sorghum, maize, wheat, barley)   | 0.26               | 0.74  | 0.00  |
| Selling Chat / Khat                                         | 0.26               | 0.00  | 0.00  |
| Selling cooked food                                         | 0.52               | 0.00  | 0.00  |
| Selling dairy products (milk, butter, ghee, cheese)         | 0.00               | 18.22 | 3.45  |
| Selling meat (from own livestock)                           | 0.26               | 0.00  | 0.00  |



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|--------|------|------|--------|--------|---------------|

Selected Indicator

**Economic Vulnerability: Livelihoods - Households important sources of livelihood (response in %)**

| Type of Livelihood Activity                        | Order of Importnce |      |      |
|----------------------------------------------------|--------------------|------|------|
|                                                    | 1st                | 2nd  | 3rd  |
| Selling Other foods (sugar, flour, coffee, etc.)   | 1.57               | 0.00 | 0.00 |
| Selling tea, coffee, cake, bread, “areki”, “tella” | 1.05               | 0.74 | 0.00 |
| Selling wool (from sheep)                          | 0.00               | 0.37 | 0.00 |



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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

**Economic Vulnerability: Occupational Categories - Percent of population above 15 years age by occupation categories**

| Type of Livelihood Activity                   | Main Occupation | Secondary Occupation |
|-----------------------------------------------|-----------------|----------------------|
|                                               | 1st Occupation  | 2nd Occupation       |
| Below school age children                     | 0.81            | 0.00                 |
| Cultivator                                    | 0.91            | 1.22                 |
| Neither studying nor working nor seeking work | 0.20            | 0.22                 |
| Others (specify)                              | 1.71            | 61.64                |
| Physically disabled                           | 0.30            | 0.00                 |
| Retired/ Old                                  | 0.60            | 0.11                 |
| Salaried                                      | 1.31            | 1.88                 |
| Student                                       | 6.24            | 2.66                 |
| Unemployed & seeking work                     | 2.11            | 1.33                 |
| Agricultural labourer                         | 3.63            | 1.66                 |
| Chronically ill                               | 0.10            | 0.00                 |
| Craftsman                                     | 0.10            | 0.11                 |
| Home-maker (housewife)                        | 28.90           | 1.44                 |
| Livestock rearing                             | 50.25           | 18.07                |
| Non-agricultural labour                       | 2.01            | 4.55                 |
| Shopkeeper and Petty trade                    | 0.81            | 0.33                 |



Data Collected Date

Wednesday, September 17, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator:

Economic Vulnerability: Sources of Food - Households source for different food items (response in %)

| Source of Food               | Types of Food Item |       |       |        |        |       |               |       |          |         |       |            |
|------------------------------|--------------------|-------|-------|--------|--------|-------|---------------|-------|----------|---------|-------|------------|
|                              | Beans              | Beef  | Fish  | Fruits | Injera | Milk  | Other cereals | Pasta | Potatoes | Poultry | Sugar | Vegetables |
| Borrowed                     | 3.80               |       |       |        | 1.50   |       | 0.40          | 2.10  | 4.30     |         | 0.40  |            |
| Casual labor                 |                    |       |       |        | 0.80   | 0.60  | 0.40          | 5.40  |          |         | 0.40  |            |
| Free meals/Food assistance   |                    |       |       |        | 0.80   |       | 2.40          |       |          |         |       |            |
| Gifts from friends/neighbors |                    |       |       |        |        |       | 1.20          | 1.10  |          |         | 0.40  |            |
| Other                        |                    |       |       |        | 0.80   |       |               |       |          |         |       |            |
| Own cultivation/production   | 7.70               | 25.00 | 75.00 |        | 6.10   | 92.90 | 4.40          |       |          | 25.00   | 0.80  | 6.70       |



Data Collected Date

Wednesday, September 17, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator:

Economic Vulnerability: Sources of Food - Households source for different food items (response in %)

| Source of Food                            | Types of Food Item |       |       |        |        |      |               |       |          |         |       |            |
|-------------------------------------------|--------------------|-------|-------|--------|--------|------|---------------|-------|----------|---------|-------|------------|
|                                           | Beans              | Beef  | Fish  | Fruits | Injera | Milk | Other cereals | Pasta | Potatoes | Poultry | Sugar | Vegetables |
| Purchase from roadside vendor/tuck shop   | 61.50              | 75.00 |       | 70.00  | 51.90  | 4.50 | 61.50         | 42.60 | 39.10    | 75.00   | 66.10 | 60.00      |
| Purchase subsidized food from Kebele shop |                    |       |       |        | 1.50   |      | 1.20          | 2.10  | 4.30     |         | 0.80  |            |
| Purchases from main shop                  | 26.90              |       | 25.00 | 30.00  | 36.60  | 1.90 | 28.60         | 46.80 | 52.20    |         | 31.00 | 33.30      |

# **WDRP Indicators**

## **Crop Production Characteristics**



Data Collected Date

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Region AFAR

Zone ZONE 3

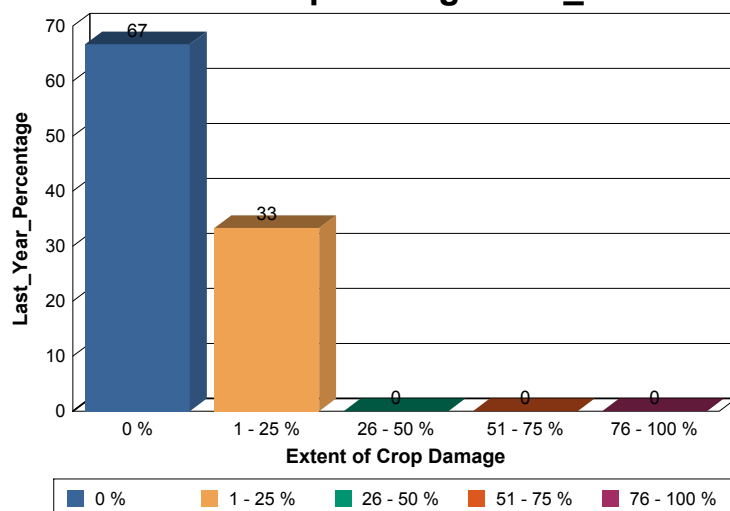
Wereda BURE MODAYITU

Selected Indicator:

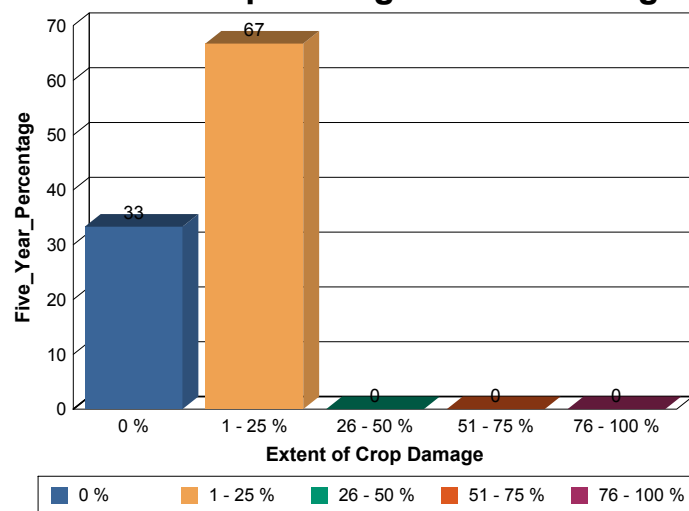
Hazards: Change in Crop Damages - Proportion of Total Crop Damage

| Extent of Crop Damage (%) | Last_Year_Percentage | Five_Year_Percentage |
|---------------------------|----------------------|----------------------|
| 0 %                       | 66.70                | 33.30                |
| 1 - 25 %                  | 33.30                | 66.70                |
| 26 - 50 %                 | 0.00                 | 0.00                 |
| 51 - 75 %                 | 0.00                 | 0.00                 |
| 76 - 100 %                | 0.00                 | 0.00                 |

Extent of Crop Damage Last\_Year



Extent of Crop Damage Five Years Ago





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Region AFAR

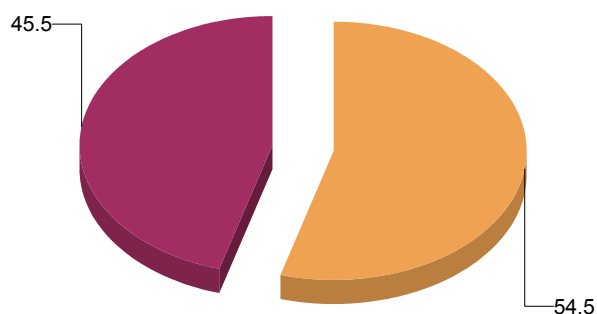
Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator: **Hazards: Change in Crop Damages - Major reasons for crop damage**

| <u>Major Reason of Crop Damage</u> | <u>Last Year</u> | <u>Five Year Ago</u> |
|------------------------------------|------------------|----------------------|
| Pests / Termite                    | 45.50            | 33.30                |
| Drought                            | 54.50            | 33.30                |
| Flood                              | 0.00             | 0.00                 |
| Frost/ Cold wave                   | 0.00             | 0.00                 |
| Others (specify)                   | 0.00             | 0.00                 |

**Major Reason of Crop Damage -  
Last Year**



■ Flood
 ■ Drought
 ■ Frost/ Cold wave
 ■ Others (specify)
 ■ Pests / Termite

**Major Reason of Crop Damage -  
Five Years Ago**



■ Flood
 ■ Drought
 ■ Frost/ Cold wave
 ■ Others (specify)
 ■ Pests / Termite



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

**Hazards: Change in Crop Damages - Proportion of Damage for Major Crops  
(percentage response by households)**

| Last Year | Five Years Ago | 0 %   | 1 - 25 % | 26 - 50 % | 51 - 75 % | 76 - 100 % |
|-----------|----------------|-------|----------|-----------|-----------|------------|
| Maize     |                | 54.50 | 45.50    | 0.00      | 0.00      | 0.00       |
|           |                | 50.00 | 50.00    | 0.00      | 0.00      | 0.00       |
| Teff      |                | 0.00  | 0.00     | 0.00      | 0.00      | 0.00       |
|           |                | 0.00  | 100.00   | 0.00      | 0.00      | 0.00       |



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

**Hazards: Change in Crop Damages - Reasons for Damage of Major Crops**

Last Year

Five Years Ago

|       | Flood | Drought | Frost/ Cold wave | Others (specify) | Pests / Termite |
|-------|-------|---------|------------------|------------------|-----------------|
| Maize | 0.00  | 44.40   | 0.00             | 0.00             | 55.60           |
|       | 0.00  | 50.00   | 0.00             | 50.00            | 0.00            |
| Teff  | 0.00  | 0.00    | 0.00             | 0.00             | 0.00            |
|       | 0.00  | 0.00    | 0.00             | 0.00             | 100.00          |



Data Collected Date

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| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Agricultural Situation: Change in Crops Grown - Five major crops grown by proportion of total cultivated land

| Kebele Name      | Major Crops | Main Season | Cropped Area |                | Reason For Change |
|------------------|-------------|-------------|--------------|----------------|-------------------|
|                  |             |             | Present      | Five Years Ago |                   |
| SEBULINA WENHARA | Teff        | Belg        | 0            | 0              | -----             |
| BIEDAFORO        | ----        | ----        | 0            | 0              |                   |
| MOROBURI         | ----        | ----        | 0            | 0              |                   |
| SEBULINA WENHARA | Teff        | Belg        | 0            | 0              |                   |



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

Agricultural Situation: Access to Extension - Perception of the community on  
Access to Agricultural extension Services

| <u>KebeleName</u>   | <u>Current Level</u> | <u>Change In Last Decade</u> | <u>Comments</u>                   |
|---------------------|----------------------|------------------------------|-----------------------------------|
| SEBULINA<br>WENHARA | No                   | No                           | No extension workers              |
| BIEDAFORO           | Fair                 | Little improvement           | Agricultural extension workers    |
| MOROBURI            | No                   | No change                    | No access                         |
| DEBEL               | Good                 | Improved                     | Agricultural extension workers    |
| GEFEREM             | Good                 | Improved                     | Agricultural experts              |
| BURKA               | No access            | No change                    | No agricultural training programs |
| KODOE               | No                   | No                           | No training program               |
| DENGELGITA          | No                   | No change                    | No agricultural training          |



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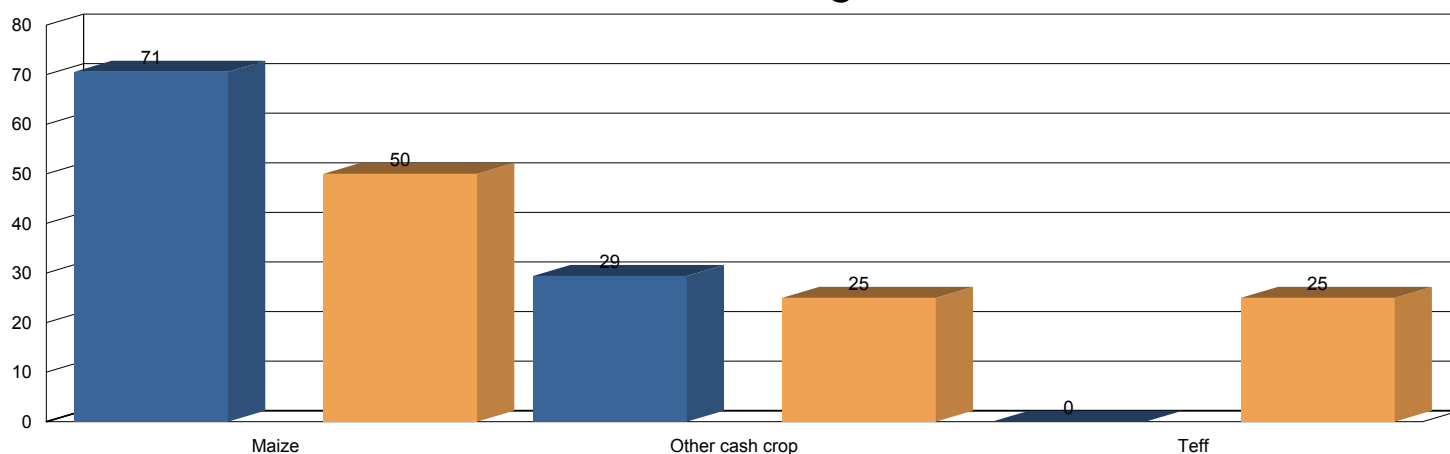
|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Economic Vulnerability: Crops Grown - Types of crops grown by households

| <u>Major Crop Type</u> | <u>Type of Crops Grown<br/>Last Year</u> | <u>Type of Crops Grown<br/>Five Years Ago</u> |
|------------------------|------------------------------------------|-----------------------------------------------|
| Teff                   | 0.00                                     | 25.00                                         |
| Maize                  | 70.60                                    | 50.00                                         |
| Other cash crop        | 29.40                                    | 25.00                                         |

**Types of Crops Grown - Percent Responses of HHs for Last Year as compared to Five Years Ago**



LEGEND :



Last year



Five Years Ago



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator:

Economic Vulnerability: Crops Grown - Proportion of households by amount of yield of major crops (last year)

|                 | A - Less than<br>100 | B - 100-500 | C - 501-1000 | D - 1001-1500 | E - 1501-2000 | F - >2000 |
|-----------------|----------------------|-------------|--------------|---------------|---------------|-----------|
| Maize           | 33.33                | 33.33       |              | 8.33          | 16.67         | 8.33      |
| Other cash crop | 25.00                | 25.00       | 25.00        |               | 25.00         |           |



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator:

Economic Vulnerability: Crops Grown - Proportion of households by amount of yield of major crops (Five Years Ago)

Types of Major Crops Category of Yield used to be obtained five years ago

|                 | A - Less than<br>100 | B - 100-500 | C - 501-1000 | D -<br>1001-1500 | E -<br>1501-2000 | F - >2000 |
|-----------------|----------------------|-------------|--------------|------------------|------------------|-----------|
| Maize           |                      | 50.00       |              |                  |                  | 50.00     |
| Other cash crop |                      |             |              |                  |                  |           |



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| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
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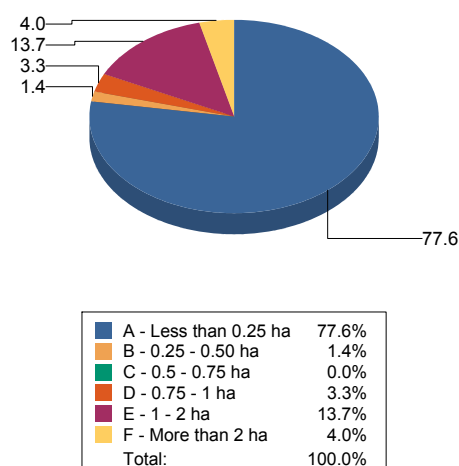
Selected Indicator: **Economic Vulnerability: Land Ownership and Quality - Landownership of households**

|                                                   |       |
|---------------------------------------------------|-------|
| Households owning land (%)                        | 60.80 |
| Average landholding (in Hectares)s                | 0.44  |
| Households cultivating land in last 12 months (%) | 4.70  |
| Average quantity of land cultivated (in hectares) | 0.74  |

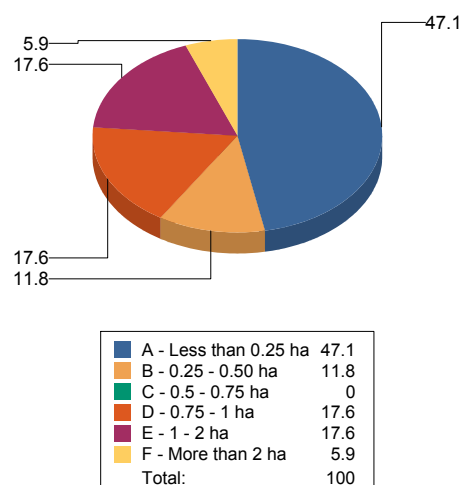
| Range Land Holding    | Percent Response | Range Cultivated Land | Percent Respons |
|-----------------------|------------------|-----------------------|-----------------|
| A - Less than 0.25 ha | 78.0             | A - Less than 0.25 ha | 47.0            |
| B - 0.25 - 0.50 ha    | 1.0              | B - 0.25 - 0.50 ha    | 12.0            |
| C - 0.5 - 0.75 ha     | 0.0              | C - 0.5 - 0.75 ha     | 0.0             |
| D - 0.75 - 1 ha       | 3.0              | D - 0.75 - 1 ha       | 18.0            |
| E - 1 - 2 ha          | 14.0             | E - 1 - 2 ha          | 18.0            |
| F - More than 2 ha    | 4.0              | F - More than 2 ha    | 6.0             |

IMPORTANT: ha = Hectar

Household Responses to Range Land Holding



Household Responses to Range Cultivated Land





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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

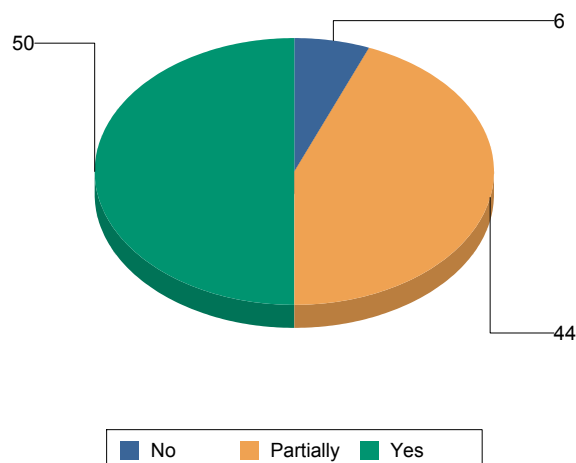
**Economic Vulnerability: Land Ownership and Quality - Farmers' perception on the quality of their agricultural land**

|                                         |       |
|-----------------------------------------|-------|
| Cropping_Intensity *                    | 6.00  |
| Households with enough land for farming | 33.30 |

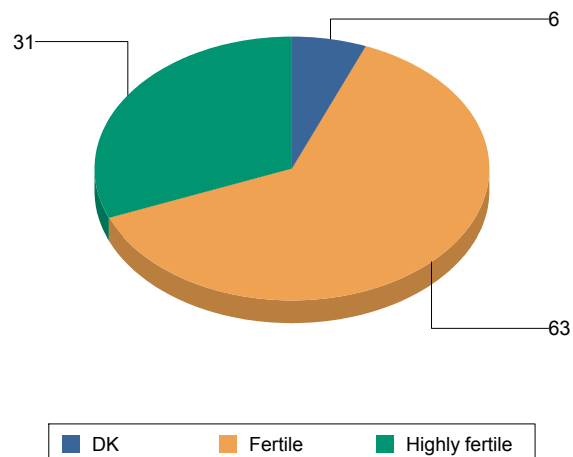
| <u>HHs with favourable location of farm</u> | <u>Response</u> | <u>Households with fertile soil</u> | <u>Response</u> |
|---------------------------------------------|-----------------|-------------------------------------|-----------------|
| Yes                                         | 50.00           | Highly fertile                      | 31.25           |
| Partially                                   | 43.75           | Fertile                             | 62.50           |
| No                                          | 6.25            | DK                                  | 6.25            |

\* Cropping Intensity = (Gross Cropped Area / total land owned Area )x 100%

Household responses to the type of farm location



Household responses to the type of soil fertility





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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

Agricultural Situation: Access to Inputs - Perception of the community on access to improved agricultural inputs

| <u>KebeleName</u> | <u>Current Level</u> | <u>Change In Last Decade</u> | <u>Comments</u>                      |
|-------------------|----------------------|------------------------------|--------------------------------------|
| SEBULINA          | No access            | No change                    | No seeds, fertilizers and pesticides |
| WENHARA           |                      |                              |                                      |
| BIEDAFORO         | No access            | No change                    |                                      |
| MOROBURI          | No access            | No change                    | No access                            |
| DEBEL             | No access            | No change                    | Pastoralists                         |
| GEFEREM           | No access            | No change                    | Majority is pastoralists             |
| BURKA             | No access            | No change                    | No seeds, fertilizers and pesticides |
| KODOE             | No access            | No change                    | Pastoralists                         |
| DENGELGITA        | No access            | No change                    | No seeds, fertilizers and pesticides |



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator:

Agricultural Situation: Water for irrigation - Access to water for irrigation in the community

| <u>KebeleName</u> | <u>Current Level</u> | <u>Change In Last Decade</u>                  | <u>Comments</u>                                            |
|-------------------|----------------------|-----------------------------------------------|------------------------------------------------------------|
| SEBULINA WENHARA  | Good                 | Decreased The amount of Awash River decreased | The amount of Awash River decreased                        |
| BIEDAFORO         | Good                 | Decreased                                     | Lack of rain of fail (The amount of Awash River decreased) |
| MOROBURI          | Good                 | Decreased                                     | The amount of Awash River decreased                        |
| DEBEL             | Very good            | Decreased                                     | Lack of material and awareness                             |
| GEFEREM           | Very good            | Decreased                                     | Shortage of rain fall                                      |
| BURKA             | Not good             | Decreased                                     | The amount of Harso River decreased                        |
| KODOE             | Good                 | Decreased                                     | Shortage of rain fall, reduction of Awash river            |
| DENGELGITA        | Very good            | Decreased                                     | Decreasing amount of rainfall resulted in drying of rivers |



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

Agricultural Situation: Soil Fertility - Perception of the community on soil fertility and its change over time

| <u>Kebele Name</u>  | <u>Current Level</u> | <u>Change In Last Decade</u> | <u>Comments</u>         |
|---------------------|----------------------|------------------------------|-------------------------|
| SEBULINA<br>WENHARA | Very good            | No change                    |                         |
| BIEDAFORO           | Very good            | No change                    |                         |
| MOROBURI            | Good                 | Decreased                    | Exposed to wind erosion |
| DEBEL               | Very good            | No change                    |                         |
| GEFEREM             | Very good            | No change                    |                         |
| BURKA               | Very good            | No change                    | No cultivation          |
| KODOE               | Good                 | No change                    |                         |
| DENGELGITA          | Very good            | No change                    |                         |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, September 18, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

Economic Vulnerability: Status of Agriculture - Methods of tillage, Irrigation and other agricultural input utilization by households

Percentage of  
Irrigated Area

Last Year

0.00

Five Years Ago

0.00

Percentage of households  
with irrigated area

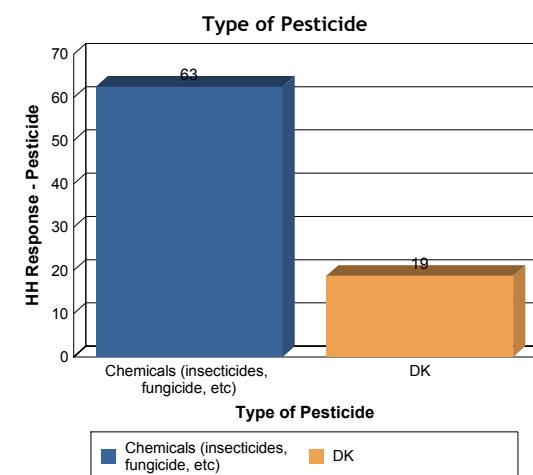
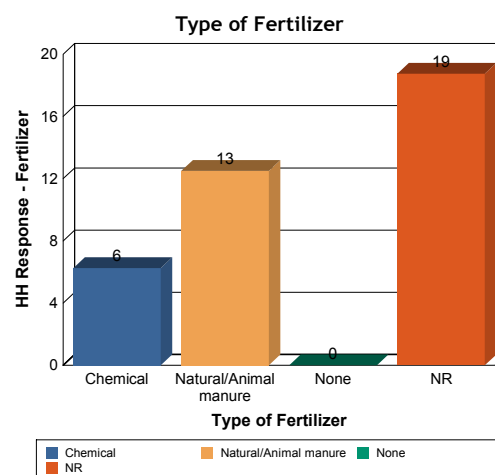
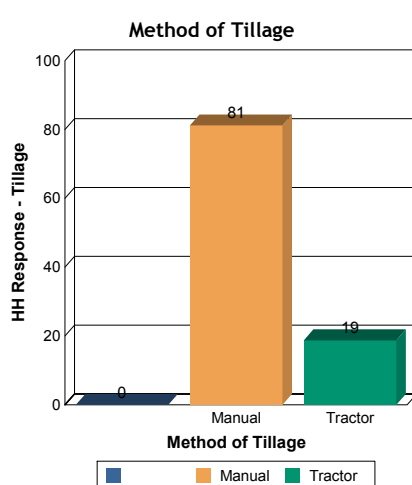
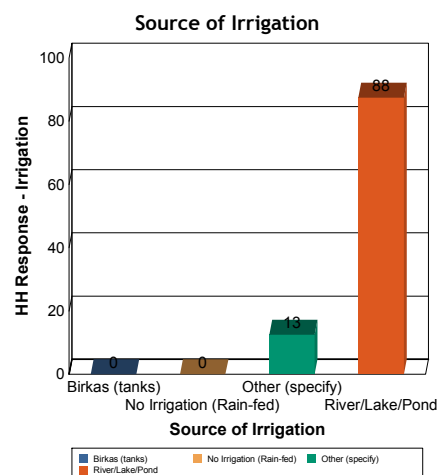
Last Year

59.00

Five Years Ago

100.00

| <u>Source of Irrigation</u> | <u>Response</u> | <u>Method of Tillage</u> | <u>Response</u> | <u>Type of Fertilizer</u> | <u>Response</u> | <u>Type of Pesticide</u>                 | <u>Response</u> |
|-----------------------------|-----------------|--------------------------|-----------------|---------------------------|-----------------|------------------------------------------|-----------------|
| River/Lake/Pond             | 87.50           | Tractor                  | 18.75           | Chemical                  | 6.25            | Chemicals (insecticides, fungicide, etc) | 18.75           |
| Birkas (tanks)              | 0.00            | Manual                   | 81.25           | Natural/Animal manure     | 12.50           | Chemicals (insecticides, fungicide, etc) | 62.50           |
| Other (specify)             | 12.50           |                          | 0.00            | None                      | 0.00            | DK                                       | 18.75           |
| No Irrigation (Rain-fed)    | 0.00            |                          | 0.00            | NR                        | 18.75           | DK                                       | 0.00            |



Proportion Improved Seeds

50.00

Proportion Agriculture Service

43.80



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

**Economic Vulnerability: Change in Agricultural Situation - Households perception on changes of crop type, size of cultivated area and crop yields**

|                                                          |        |   |
|----------------------------------------------------------|--------|---|
| Proportion of households reporting change in crops grown | 100.00 | % |
|----------------------------------------------------------|--------|---|

|                                   | 1st   | 2nd   | 3rd   |
|-----------------------------------|-------|-------|-------|
| Adequate fertilizer               | 0.00  | 0.00  | 50.00 |
| Adequate irrigation available     | 33.33 | 33.33 | 0.00  |
| Insufficient irrigation available | 33.33 | 0.00  | 0.00  |
| Less rainfall                     | 16.67 | 0.00  | 0.00  |
| More pest resistant crop          | 0.00  | 0.00  | 50.00 |
| More yielding crop                | 16.67 | 66.67 | 0.00  |

|                                                                      |       |   |
|----------------------------------------------------------------------|-------|---|
| Proportion of households reporting change in size of area cultivated | 50.00 | % |
|----------------------------------------------------------------------|-------|---|

|                               | 1st    | 2nd    | 3rd    |
|-------------------------------|--------|--------|--------|
| ----                          | 0.00   | 0.00   | 0.00   |
| Adequate irrigation available | 100.00 | 0.00   | 0.00   |
| Other reasons                 | 0.00   | 100.00 | 0.00   |
| Water logging                 | 0.00   | 0.00   | 100.00 |

|                                                         |        |   |
|---------------------------------------------------------|--------|---|
| Proportion of households reporting change in crop yield | 100.00 | % |
|---------------------------------------------------------|--------|---|

|                               | 1st    | 2nd    | 3rd  |
|-------------------------------|--------|--------|------|
| ----                          | 0.00   | 0.00   | 0.00 |
| Adequate irrigation available | 100.00 | 0.00   | 0.00 |
| Better yielding crop          | 0.00   | 100.00 | 0.00 |



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

**Economic Vulnerability: Change in Agricultural Situation - Households perception on changes of crop type, size of cultivated area and crop yields**

|                           | 1st  | 2nd  | 3rd    |
|---------------------------|------|------|--------|
| Improved variety of seeds | 0.00 | 0.00 | 100.00 |



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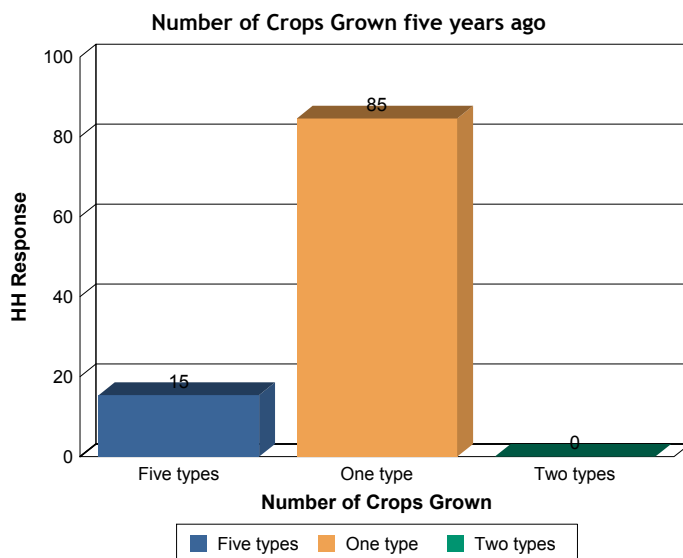
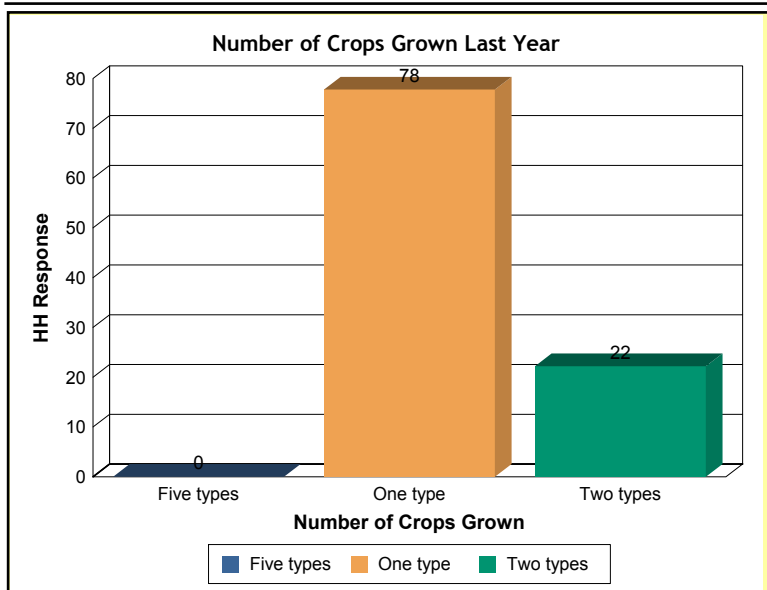
**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

**Selected Indicator** Economic Vulnerability: Crops Grown - Number of crops grown by households

| Number of Crops Grown | Crops Grown Last Year | Crops Grown Five Years Ago |
|-----------------------|-----------------------|----------------------------|
| One type              | 77.78                 | 84.60                      |
| Two types             | 22.22                 | 0.00                       |
| Five types            | 0.00                  | 15.40                      |

**Avg Crops Grown Last Year** 1.17

**Avg Crops Grown Five Years Ago** 1.46



# **WDRP Indicators**

## **Livestock Production Characteristics**



Data Collected Date

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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

**Agricultural Situation: Status of Livestock Disease - Change in Livestock Disease Status**

| <u>Kebele Name</u>  | <u>Current Level</u>                                                                                                                                                                     | <u>Change Over Last Decade</u> | <u>Comment</u>                                                           |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------|
| SEBULINA<br>WENHARA | Pasteurellosis,<br>Contagious Caprine<br>Pleuropneumonia<br>(CCPP), Liver fluke,<br>Black leg , Foot and<br>Mouth Disease (FMD),<br>internal and external<br>parasite, PPR, sheep<br>pox | Increased                      | Lack of veterinary service<br>and drugs                                  |
| BIEDAFORO           | Black leg, liver fluke<br>, foot and mouth ,<br>disease, internal and<br>external parasite<br>sheep pox<br>pasturellosis PPR                                                             | Increased                      | Lack of veterinary service<br>and drugs and also health<br>professionals |
| MOROBURI            | Black leg, Contagious<br>Caprine<br>Pleuropneumonia<br>(CCPP), Liver fluke,<br>sheep pox, internal and<br>external parasites,<br>pasturellosis, PPR                                      | Increased                      | Lack of veterinary service<br>and drugs and also health<br>professionals |
| DEBEL               | Pasteurellosis,<br>Contagious Caprine<br>Pleuropneumonia<br>(CCPP), Liver fluke,<br>Black leg , Foot and<br>Mouth Disease (FMD),<br>internal and external<br>parasite, PPR,              | Increased                      | Lack of veterinary service<br>and drugs and also health<br>professionals |
| GEFEREM             | Black leg, Contagious<br>Caprine<br>Pleuropneumonia<br>(CCPP), Liver fluke,<br>sheep pox, internal and<br>external parasites,<br>pasturellosis, PPR                                      | Increased                      | Lack of veterinary service<br>and drugs and also health<br>professionals |



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

**Agricultural Situation: Status of Livestock Disease - Change in Livestock Disease Status**

| <u>Kebele Name</u> | <u>Current Level</u>                                                                                                                                | <u>Change Over Last Decade</u> | <u>Comment</u>                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------|
| BURKA              | Black leg, Contagious<br>Caprine<br>Pleuropneumonia<br>(CCPP), Liver fluke,<br>sheep pox, internal and<br>external parasites,<br>pasturollosis, PPR | Increased                      | Drought                                                                  |
| KODOE              | Black leg contagious<br>caprine<br>pleuropneumonia liver<br>flukes, sheep, pox,<br>internal and external<br>parasites pasturollosis<br>PPR          | Increased                      | Lack of veterinary service<br>and drugs and also health<br>professionals |
| DENGELGITA         | Black leg, Contagious<br>Caprine<br>Pleuropneumonia<br>(CCPP), Liver fluke,<br>sheep pox, internal and<br>external parasites,<br>pasturollosis, PPR | Increased                      | Lack of veterinary service<br>and drugs and also health<br>professionals |



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|---------------|------|-------------|--------|---------------|---------------|
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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator: **Livestock Diseases Prevalence**

Type of livestock diseases affected households in the last five years (households reporting in %)

|                                                                  | 1st   | 2nd   | 3rd   |
|------------------------------------------------------------------|-------|-------|-------|
| ACTION FOR DEVELOPMENT                                           | 1.24  | 1.55  | 4.96  |
| African horse disease                                            | 0.92  |       | 0.62  |
| Anthrax affecting cattle                                         | 0.92  | 0.93  | 5.88  |
| Black leg                                                        | 12.00 | 1.24  | 0.93  |
| Contagious Caprine Pleuropneumonia (CCPP)                        | 13.54 | 39.63 | 8.67  |
| Faciolosis                                                       | 0.31  | 1.24  |       |
| Foot and mouth disease                                           | 11.38 | 17.96 | 17.03 |
| Heart water                                                      | 0.31  |       |       |
| Internal & External Parasites (Tick, mange, helminthiasis, fasci | 0.92  | 1.24  | 6.19  |
| Liverfluke (Sheep and cattle)                                    | 12.31 | 8.98  | 4.95  |
| Lymphangitis                                                     | 0.31  |       | 0.31  |
| Newcastle disease (Chicken)                                      | 28.62 | 11.76 | 18.58 |
| Pasteurellosis                                                   | 16.31 | 14.24 | 26.32 |
| PPR                                                              | 0.92  | 1.24  | 5.57  |



Data\_Collected\_Date

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Region AFAR

Zone ZONE 3

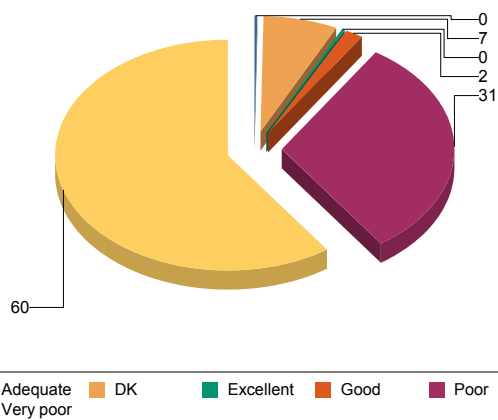
Wereda BURE MODAYITU

Selected Indicator:

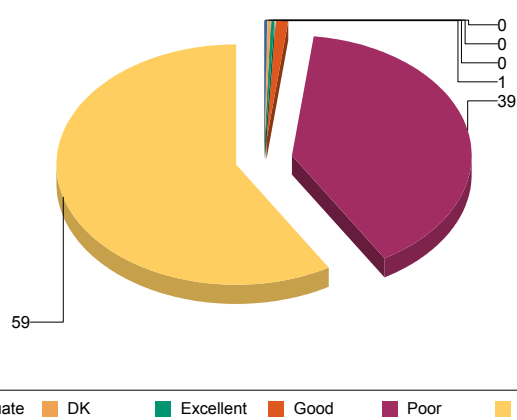
Evaluation of Access to Veterinary Services and Livestock Drugs  
Households' evaluation on access to drugs and veterinary services

| Level of Access | Veternary Service | Livestock_Drugs |
|-----------------|-------------------|-----------------|
| Excellent       | 0.28              | 0.29            |
| Good            | 1.71              | 1.15            |
| Adequate        | 0.28              | 0.29            |
| Poor            | 31.05             | 39.26           |
| Very poor       | 59.83             | 58.74           |
| DK              | 6.84              | 0.29            |

Level of Access to Veterinary Services



Access Level of Livestock Drugs





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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator:

Agricultural Situation: Water Availability for Livestock - Water availability for livestock in the community

| <u>KebeleName</u>   | <u>Current Level</u>                      | <u>Change In Last Decade</u> | <u>Comments</u>                     |
|---------------------|-------------------------------------------|------------------------------|-------------------------------------|
| SEBULINA<br>WENHARA | Good                                      | Decreased                    | The amount of Awash River decreased |
| BIEDAFORO           | Good                                      | Decreased                    | The amount of Awash River decreased |
| MOROBURI            | Not good due to the drying of awash river | Decreased                    | The amount of Awash River decreased |
| DEBEL               | Very good                                 | Decreased                    | The amount of Awash River decreased |
| GEFEREM             | Good                                      | Decreased                    | The amount of Awash River decreased |
| BURKA               | Not sufficient                            | Decreased                    | The amount of Harso River decreased |
| KODOE               | Good                                      | Decreased                    | The amount of Awash River decreased |
| DENGELGITA          | Good                                      | Decreased                    | Drought                             |



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Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator:

Agricultural Situation: Livestock Diversity - Type of livestock and their economic importance in the community

| KebeleName       | Type of Livestock | Avg_Num_Per_HH | Economic_Importance_Rank |
|------------------|-------------------|----------------|--------------------------|
| SEBULINA WENHARA | Cattle            | 1.00           | Very important           |
|                  | Goats             | 20.00          | Very important           |
|                  | Sheep             | 20.00          | Very important           |
|                  | Camels            |                | Very important           |
| BIEDAFORO        | Cattle            | 5.00           | Very important           |
|                  | Goats             | 25.00          | Very important           |
|                  | Sheep             | 20.00          | Very important           |
|                  | Camels            |                | Very important           |
| MOROBURI         | Cattle            |                | Very important           |
|                  | Goats             |                | Very important           |
|                  | Sheep             |                | Very important           |
|                  | Camels            |                | Very important           |
| DEBEL            | Cattle            |                | Very important           |
|                  | Goats             | 40.00          | Very important           |
|                  | Sheep             | 40.00          | Very important           |
| GEFEREM          | Cattle            | 1.00           | Very important           |
|                  | Goats             | 30.00          | Very important           |
|                  | Sheep             | 30.00          | Very important           |
|                  | Camels            |                | Very important           |
| BURKA            | Cattle            |                |                          |
|                  | Goats             |                |                          |
|                  | Sheep             |                |                          |
|                  | Camels            |                |                          |



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Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator:

Agricultural Situation: Livestock Diversity - Type of livestock and their economic importance in the community

| KebeleName | Type of Livestock | Avg_Num_Per_HH | Economic_Importance_Rank |
|------------|-------------------|----------------|--------------------------|
| KODOE      | Cattle            |                |                          |
|            | Goats             |                |                          |
|            | Sheep             |                |                          |
|            | Camels            |                |                          |
| DENGELGITA | Cattle            | 1.00           | Very important           |
|            | Goats             | 30.00          | Very important           |
|            | Sheep             | 30.00          | Very important           |
|            | Camels            | 1.00           | Very important           |



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator:

**Economic Vulnerability: Livestock Ownership and Changes - Percentage of households by number and type of livestock owned**

|                       | A - 1 to 5 | B - 6 to 10 | C - 11 to 50 | D - 51 to 100 | None  |
|-----------------------|------------|-------------|--------------|---------------|-------|
| Bee keeping           | 0.50       | 0.60        |              |               | 98.90 |
| Camels: Female        | 33.10      | 3.90        | 1.30         |               | 61.70 |
| Camels: Male          | 24.40      | 2.60        | 0.80         | 0.30          | 71.90 |
| Camels: Young Female  | 24.20      | 0.80        | 0.30         |               | 74.80 |
| Camels: Young Male    | 26.30      | 1.60        | 0.80         |               | 71.40 |
| Cattle: Female        | 40.70      | 5.50        | 1.00         |               | 52.80 |
| Cattle: Male bulls    | 41.00      | 5.50        | 1.30         | 0.30          | 52.00 |
| Cattle: Mature Female | 32.00      | 29.30       | 10.20        | 0.30          | 28.30 |
| Cattle: Mature Male   | 1.00       | 0.30        |              |               | 98.70 |
| Cattle: under 1 year  | 46.20      | 3.90        | 2.40         | 0.80          | 46.70 |
| Donkeys               | 35.90      | 4.50        | 1.30         | 0.30          | 58.00 |
| Goats                 | 10.00      | 12.30       | 50.40        | 11.60         | 15.70 |



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator:

Economic Vulnerability: Livestock Ownership and Changes - Percentage of households by number and type of livestock owned

|         | A - 1 to 5 | B - 6 to 10 | C - 11 to 50 | D - 51 to 100 | None  |
|---------|------------|-------------|--------------|---------------|-------|
| Horses  | 0.80       | 0.30        |              |               | 98.90 |
| Mules   | 3.40       | 0.30        |              |               | 96.30 |
| Poultry | 0.80       | 0.90        |              |               | 98.40 |
| Sheep   | 13.90      | 26.80       | 32.50        | 6.30          | 20.50 |



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Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

**Economic Vulnerability: Livestock Ownership and Changes - Households  
perception on changes in livestock number in the last five years (response in %)**

Type of Livestock Owned

Changes Observed By Households

|                       | Decreased | Increased | Remained the Same |
|-----------------------|-----------|-----------|-------------------|
| Bee keeping           | 50.00     |           | 50.00             |
| Camels: Female        | 97.30     |           | 2.70              |
| Camels: Male          | 93.20     | 1.90      | 4.90              |
| Camels: Young Female  | 95.70     |           | 4.30              |
| Camels: Young Male    | 95.20     | 1.00      | 2.90              |
| Cattle: Female        | 93.30     |           | 6.20              |
| Cattle: Male bulls    | 33.30     |           | 6.20              |
| Cattle: Mature Female | 93.70     | 0.70      | 5.60              |
| Cattle: Mature Male   | 100.00    |           |                   |
| Cattle: under 1 year  | 96.00     | 1.00      | 3.00              |
| Donkeys               | 76.70     | 1.90      | 21.30             |
| Goats                 | 93.20     | 1.60      | 5.10              |
| Horses                |           |           | 50.00             |
| Mules                 | 86.70     |           | 9.10              |
| Poultry               | 66.70     |           | 33.30             |
| Sheep                 | 94.50     | 1.60      | 5.10              |



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Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

**Economic Vulnerability: Livestock Ownership and Changes - Households  
perception on changes in livestock number in the last five years (response in %)**

Type of Livestock Owned

Reason for Decrease in Livestock Number

|                      | Other | Raiding | Sold (not for food) | Conflict | Died in drought | Disease | Sold for food |
|----------------------|-------|---------|---------------------|----------|-----------------|---------|---------------|
| Bee keeping          |       | 100.00  |                     |          |                 |         |               |
| Camels: Female       | 5.60  | 2.20    |                     | 2.10     |                 | 15.70   |               |
| Camels: Male         | 18.60 | 2.10    | 6.20                | 2.10     | 74.20           | 7.20    | 2.10          |
| Camels: Young Female |       |         |                     | 1.10     | 75.30           |         |               |
| Camels: Young Male   | 7.90  | 1.00    |                     | 4.90     | 71.60           | 13.70   | 1.00          |
| Cattle: Female       | 0.60  | 3.10    | 1.20                | 0.60     |                 | 16.00   | 5.50          |
| Cattle: Male bulls   | 0.60  | 3.10    | 1.20                |          |                 | 12.90   | 5.50          |



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Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

**Economic Vulnerability: Livestock Ownership and Changes - Households  
perception on changes in livestock number in the last five years (response in %)**

|                       | Other | Raiding | Sold (not for food) | Conflict | Died in drought | Disease | Sold for food |
|-----------------------|-------|---------|---------------------|----------|-----------------|---------|---------------|
| Cattle: Mature Female | 1.60  | 2.80    |                     | 2.40     | 80.90           | 11.00   | 1.20          |
| Cattle: Mature Male   | 33.30 |         |                     |          | 66.70           |         |               |
| Cattle: under 1 year  | 1.00  | 1.60    |                     | 1.00     | 73.80           | 19.90   | 2.60          |
| Donkeys               | 8.00  | 0.80    | 3.20                | 7.20     | 57.60           | 21.60   | 0.80          |
| Goats                 | 4.40  | 1.40    | 1.40                | 0.30     | 64.10           | 15.50   | 12.80         |
| Horses                |       |         |                     |          |                 |         | 50.00         |
| Mules                 | 27.30 |         | 13.30               |          | 36.40           | 27.30   |               |
| Poultry               |       |         |                     |          | 50.00           | 50.00   |               |



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Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

**Economic Vulnerability: Livestock Ownership and Changes - Households  
perception on changes in livestock number in the last five years (response in %)**

|       | Other | Raiding | Sold (not for food) | Conflict | Died in drought | Disease | Sold for food |
|-------|-------|---------|---------------------|----------|-----------------|---------|---------------|
| Sheep | 4.40  | 1.40    | 2.60                | 0.30     | 64.10           | 15.50   | 8.40          |



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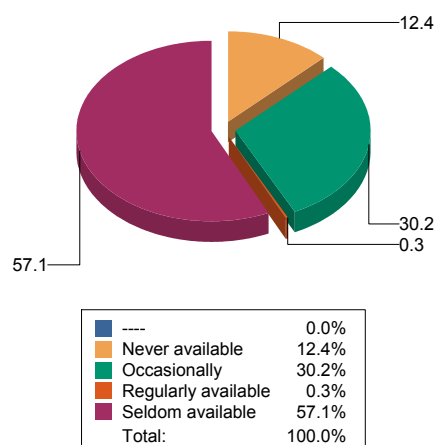
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

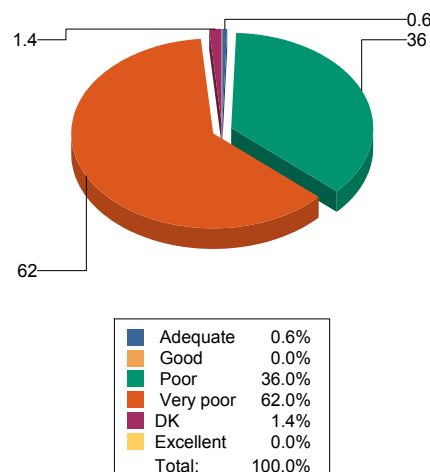
**Agriculture (Livestock): Pasture Availability - Households perception on access and quality of pasture**

| Access to Pasture   | Response Percent | Quality of Pasture | Response Percent |
|---------------------|------------------|--------------------|------------------|
| Regularly available | 0.28             | Excellent          | 0.00             |
| Occasionally        | 30.23            | Good               | 0.00             |
| Seldom available    | 57.06            | Adequate           | 0.57             |
| Never available     | 12.43            | Poor               | 36.00            |
| ----                | 0.00             | Very poor          | 62.00            |
| ----                | 0.00             | DK                 | 1.43             |

Household responses to Access to Pasture for Livestock



Household responses to Quality of Pasture





Data Collected Date

Thursday, September 18, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

**Agriculture (Livestock): Pasture Availability - Households perception on problematic months for pasture availability**

|                           |                          |  |  |
|---------------------------|--------------------------|--|--|
| <u>Problematic Months</u> | <u>Order of Severity</u> |  |  |
|---------------------------|--------------------------|--|--|

|              | 1st   | 2nd   | 3rd   |
|--------------|-------|-------|-------|
| A - Meskerem | 2.32  | 1.45  |       |
| B - Tikimt   | 0.29  | 0.29  | 1.74  |
| C - Hidar    |       |       |       |
| D - Tahsas   |       |       | 0.29  |
| E - Tir      |       |       |       |
| F - Yekatit  |       | 0.29  |       |
| G - Megabit  | 9.28  |       | 0.58  |
| H - Meazea   | 35.36 | 16.28 | 32.27 |
| I - Ginbot   | 45.22 | 40.99 | 9.59  |
| J - Sene     | 6.67  | 40.12 | 41.28 |
| K - Hamle    | 0.58  | 0.29  | 13.66 |
| L - Nehase   | 0.29  | 0.29  | 0.29  |



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Selected Indicator

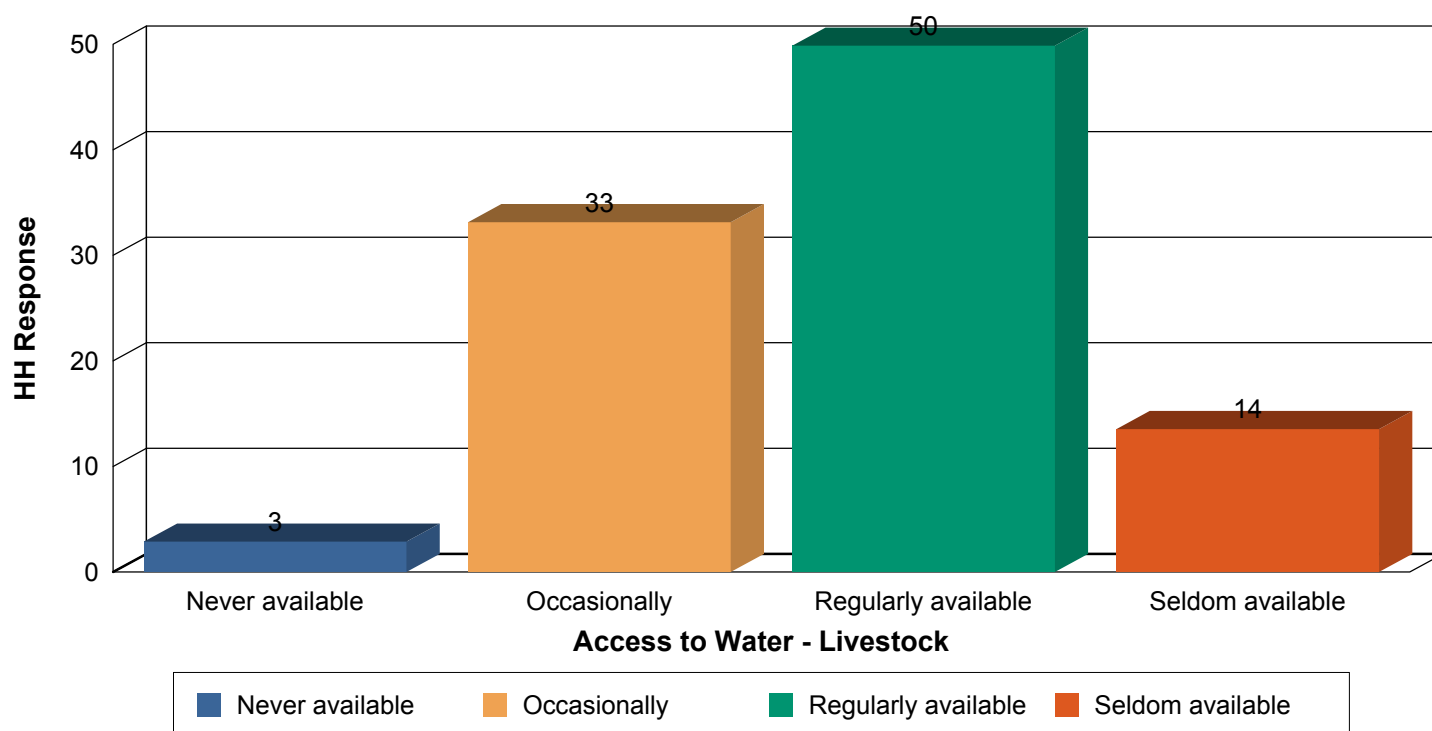
Agriculture (Livestock): Water Availability - Households response on water availability for livestock

Access to Water - Livestock

Household Response

|                     |       |
|---------------------|-------|
| Regularly available | 49.86 |
| Occasionally        | 33.14 |
| Seldom available    | 13.54 |
| Never available     | 2.88  |

Household Access to Water for Livestock





Data Collected Date

Thursday, September 18, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Agriculture (Livestock): Water Availability - Households perception on problematic months for water availability for Livestock

| Problematic Months | Order of Severity |       |       |
|--------------------|-------------------|-------|-------|
|                    | 1st               | 2nd   | 3rd   |
| A - Meskerem       |                   |       |       |
| B - Tikimt         |                   | 0.34  |       |
| C - Hidar          |                   |       | 0.34  |
| D - Tahsas         |                   |       |       |
| E - Tir            |                   |       |       |
| F - Yekatit        | 0.33              |       |       |
| G - Megabit        |                   | 0.68  |       |
| H - Meazea         | 5.32              | 0.34  | 1.37  |
| I - Ginbot         | 34.92             | 10.92 | 15.46 |
| J - Sene           | 49.14             | 52.79 | 6.53  |
| K - Hamle          | 9.63              | 33.89 | 50.24 |
| L - Nehase         |                   | 0.68  | 25.70 |



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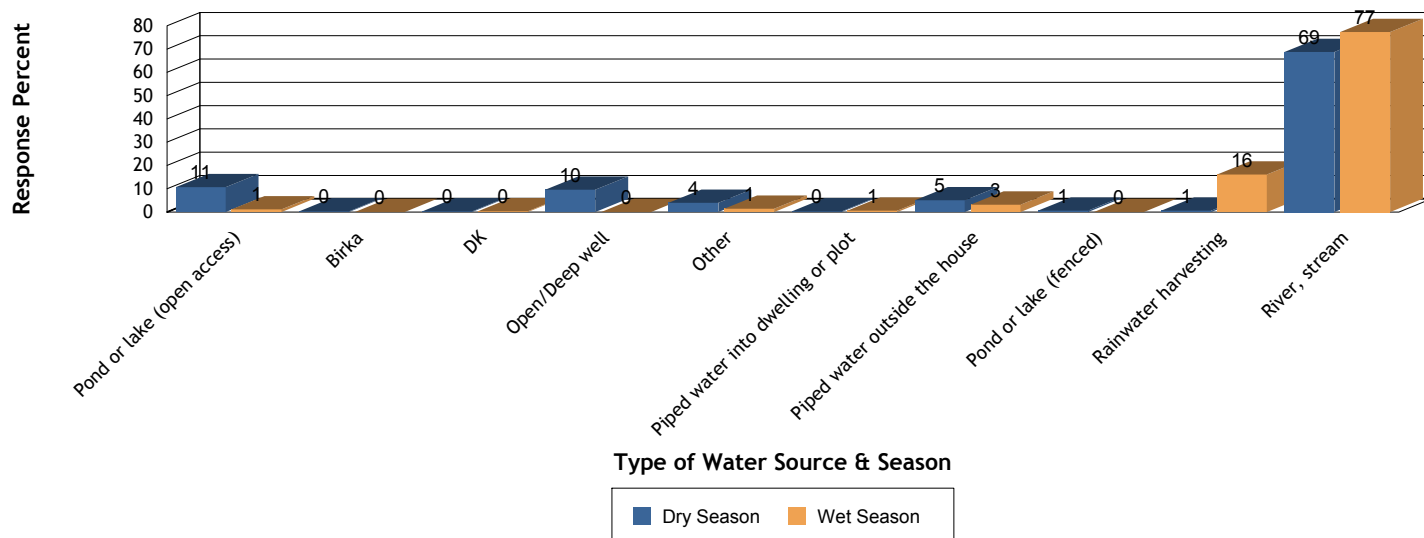
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Sources of water for livestock (households response in %)

| Type of Livestock Owned           | Changes Observed By Households |            |
|-----------------------------------|--------------------------------|------------|
|                                   | Dry Season                     | Wet Season |
| Pond or lake (open access)        | 10.70                          | 1.15       |
| Birka                             | 0.28                           |            |
| DK                                | 0.28                           | 0.29       |
| Open/Deep well                    | 9.58                           |            |
| Other                             | 3.94                           | 1.44       |
| Piped water into dwelling or plot | 0.28                           | 0.57       |
| Piped water outside the house     | 5.07                           | 3.16       |
| Pond or lake (fenced)             | 0.56                           |            |
| Rainwater harvesting              | 0.56                           | 16.09      |
| River, stream                     | 68.73                          | 77.30      |

Household Responses to Type of Water Source and Season for Livestock



# **WDRP Indicators**

## **Access to Market and Credit**



Data Collected Date

Thursday, October 2, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator:

Economic Vulnerability: Proportion of Produce Sold and Market - Proportion of crops and livestock sold from total production and markets

| KebeleName       | Market_For_Crops | Market_For_Livestock_Produce                    | Percent Livestock_Sold | Total_% Sold | Comments |
|------------------|------------------|-------------------------------------------------|------------------------|--------------|----------|
| SEBULINA WENHARA |                  | Shewarobit melka worda                          |                        | 80           |          |
| BIEDAFORO        |                  | Meteka , senbte, melka, worer                   |                        | 70%          |          |
| MOROBURI         |                  | Senbte, debel meteka                            |                        | 70%          |          |
| DEBEL            |                  | Senate ( amhara region )<br>melka worer, meteka |                        | 90%          |          |
| GEFEREM          | Getrem           | Senbte malka worer, meteka                      |                        | 80%          |          |
| BURKA            |                  | Meteka, debel and senbte                        |                        | 65%          |          |
| KODOE            | For investor     | Meketa, amasaburi                               |                        | 2%           |          |
| DENGELGITA       |                  | Debel meteka and shewa<br>robit                 |                        | 70%          |          |



Data Collected Date

Thursday, September 18, 2014

| Region             | AFAR                                                                                                                                                                            | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|--------|---------------|
| Selected Indicator | Economic Vulnerability: Kebele Access to Markets - Access to market by Kebele                                                                                                   |      |        |        |               |
| Kebele Name        | Market_Access_Comments                                                                                                                                                          |      |        |        |               |
| BIEDAFORO          | The community travels long distance to get to the market place and there is no infrastructure (road, transportation and there is no linkage between pastoralists and merchants) |      |        |        |               |
| BURKA              | The community travels long distance to get to the market place and there is transportation and road problems and conflict also affects                                          |      |        |        |               |
| DEBEL              | The community travels long distance to get to the market place and there is transportation problem particularly during flooding time                                            |      |        |        |               |
| DENGELGITA         | The community travels long distance to get to the market place and there is transportation problem particularly during flooding time                                            |      |        |        |               |
| GEFEREM            | The community travels long distance to get to the market place and there is transportation and road problems                                                                    |      |        |        |               |
| KODOE              | The community travels long distance to get to the market place and there is transportation problem particularly during flooding time                                            |      |        |        |               |
| MOROBURI           | The community travels long distance (4 hours) to get to the market place and there is road problem                                                                              |      |        |        |               |
| SEBULINA WENHARA   | The community travels long distance to get to the market place and there is transportation problem                                                                              |      |        |        |               |



Data Collected Date

Thursday, October 2, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Economic Vulnerability: Formal & Informal Transfers - Percentage of households reporting received formal transfers

| Type of Formal Transfer | HH Response | Type of Informal Transfer                                                   | HH Response |
|-------------------------|-------------|-----------------------------------------------------------------------------|-------------|
| Food aid                | 63.20       | Grain loan (no interest)                                                    | 8.60        |
| Food-for-Work project   | 55.70       | Cash loan (no interest)                                                     | 6.80        |
| Cash-for-Work project   | 0.50        | Free use of pack animals (camels or donkeys)                                | 1.60        |
| Faffa                   | 1.60        | Remittances (from relative living elsewhere)                                | 3.40        |
| Free cash               |             | Food or grain gift                                                          | 1.30        |
| Seeds                   |             | Dowry given to bride's parents                                              | 1.10        |
| Credit support          |             | Other cash gift                                                             | 0.80        |
| Livestock               |             | Cash or kind gift to married daughters when they visit parents or relatives | 0.80        |
|                         |             | Donation or loan of milking animals to a relative or friend                 | 0.30        |
|                         |             | Free labour                                                                 |             |
|                         |             | Free use of oxen or plough                                                  |             |
|                         |             | Distribution of meat to neighbours after a slaughter takes place            |             |
|                         |             | Sacrifice made to feed the poor                                             |             |
|                         |             | Blood money - compensation                                                  |             |
|                         |             | Donations of cash or animals to disaster stricken people                    | 0.50        |
|                         |             | Zakaat                                                                      | 0.30        |
|                         |             | Seed gift                                                                   | 0.30        |
|                         |             | Seed loan                                                                   | 0.30        |
|                         |             | Restocking of poorer relatives                                              | 0.30        |
|                         |             | Gift of livestock to newly-weds                                             | 0.30        |



Data Collected Date

Thursday, October 2, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

Economic Vulnerability: Formal & Informal Transfers - Percentage of households reporting received formal transfers

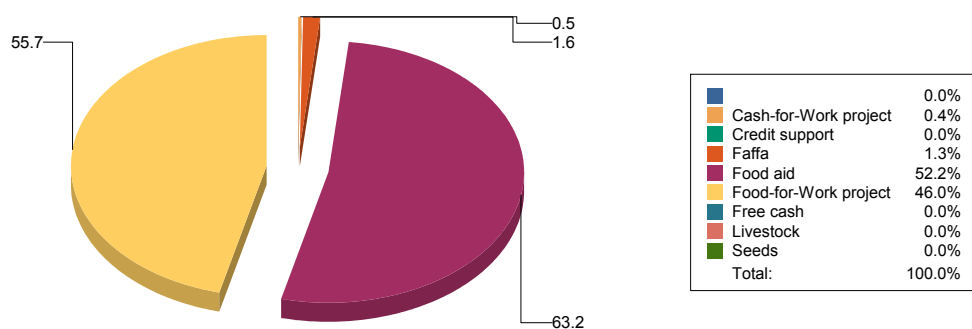
Type of Formal Transfer

HH Response

Type of Informal Transfer

HH Response

Type of Formal Transfer Received By Households





Data Collected Date

Thursday, October 2, 2014

| Region                                                                                                               | AFAR        | Zone | ZONE 3                                                                      | Wereda      | BURE MODAYITU |
|----------------------------------------------------------------------------------------------------------------------|-------------|------|-----------------------------------------------------------------------------|-------------|---------------|
| Selected Indicator                                                                                                   |             |      |                                                                             |             |               |
| Economic Vulnerability: Formal & Informal Transfers - Percentage of households reporting received Informal transfers |             |      |                                                                             |             |               |
| Type of Formal Transfer                                                                                              | HH Response |      | Type of Informal Transfer                                                   | HH Response |               |
| Food aid                                                                                                             | 63.20       |      | Grain loan (no interest)                                                    | 8.60        |               |
| Food-for-Work project                                                                                                | 55.70       |      | Cash loan (no interest)                                                     | 6.80        |               |
| Cash-for-Work project                                                                                                | 0.50        |      | Free use of pack animals (camels or donkeys)                                | 1.60        |               |
| Faffa                                                                                                                | 1.60        |      | Remittances (from relative living elsewhere)                                | 3.40        |               |
| Free cash                                                                                                            |             |      | Food or grain gift                                                          | 1.30        |               |
| Seeds                                                                                                                |             |      | Dowry given to bride's parents                                              | 1.10        |               |
| Credit support                                                                                                       |             |      | Other cash gift                                                             | 0.80        |               |
| Livestock                                                                                                            |             |      | Cash or kind gift to married daughters when they visit parents or relatives | 0.80        |               |
|                                                                                                                      |             |      | Donation or loan of milking animals to a relative or friend                 | 0.30        |               |
|                                                                                                                      |             |      | Free labour                                                                 |             |               |
|                                                                                                                      |             |      | Free use of oxen or plough                                                  |             |               |
|                                                                                                                      |             |      | Distribution of meat to neighbours after a slaughter takes place            |             |               |
|                                                                                                                      |             |      | Sacrifice made to feed the poor                                             |             |               |
|                                                                                                                      |             |      | Blood money - compensation                                                  |             |               |
|                                                                                                                      |             |      | Donations of cash or animals to disaster stricken people                    | 0.50        |               |
|                                                                                                                      |             |      | Zakaat                                                                      | 0.30        |               |
|                                                                                                                      |             |      | Seed gift                                                                   | 0.30        |               |
|                                                                                                                      |             |      | Seed loan                                                                   | 0.30        |               |
|                                                                                                                      |             |      | Restocking of poorer relatives                                              | 0.30        |               |
|                                                                                                                      |             |      | Gift of livestock to newly-weds                                             | 0.30        |               |



Data Collected Date

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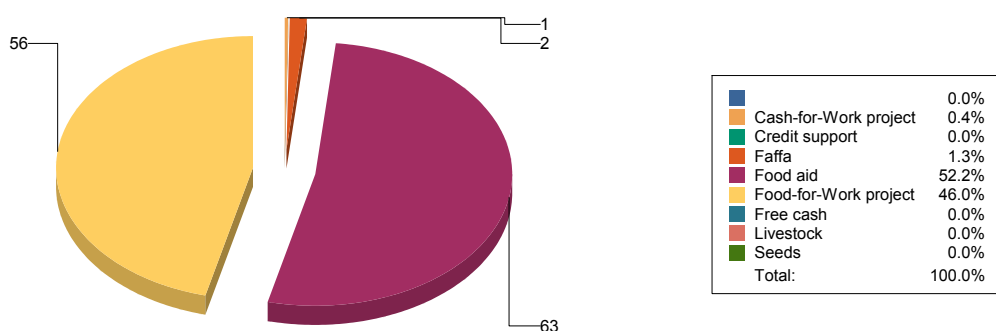
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Economic Vulnerability: Formal & Informal Transfers - Percentage of households reporting received Informal transfers

| Type of Formal Transfer | HH Response | Type of Informal Transfer | HH Response |
|-------------------------|-------------|---------------------------|-------------|
|-------------------------|-------------|---------------------------|-------------|

Type of Informal Transfer Received By Households





Data Collected Date

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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Capacity: Access to Credit Facilities - Households access to credit facilities

| <u>Type of Access To Credit Facilities</u>                          | <u>Indicator Value</u> |
|---------------------------------------------------------------------|------------------------|
| Households with membership in any credit /micro finance society (%) | 0.30                   |
| Households who borrowed any money in the last one year (%)          | 9.90                   |
| <u>Average No. of HHs Tried to get Credit</u>                       | 3.64                   |
| <u>Average No. HHs Managed to get Credit</u>                        | 2.92                   |



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

**Capacity: Access to Credit Facilities - Percentage of households by major reasons of borrowing money**

Type of Borrowing Reason Degree of Importance of the Borrowing Reasons - HH Responses

|                      | 1st<br>Important | 2nd<br>Important | 3rd<br>Important |
|----------------------|------------------|------------------|------------------|
| Buy food             | 71.79            | 19.44            |                  |
| Others (specify)     | 2.56             | 30.56            | 91.89            |
| Pay for education    |                  |                  |                  |
| Pay for health care  | 15.38            | 44.44            |                  |
| Pay for social event | 10.26            | 5.56             | 5.41             |



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Capacity: Access to Credit Facilities - Percentage of households by major sources of credit

Major Sources of Credit for Households

Degree of Importance of the Credit Source

|                            | 1st<br>Important | 2nd<br>Important | 3rd<br>Important |
|----------------------------|------------------|------------------|------------------|
| Friends/relatives          | 7.89             | 34.29            | 5.71             |
| Local shops / moneylenders | 71.05            | 20.00            | 2.86             |
| Neighbors                  | 2.63             | 8.57             | 5.71             |
| Others (specify)           | 18.42            | 37.14            | 85.71            |



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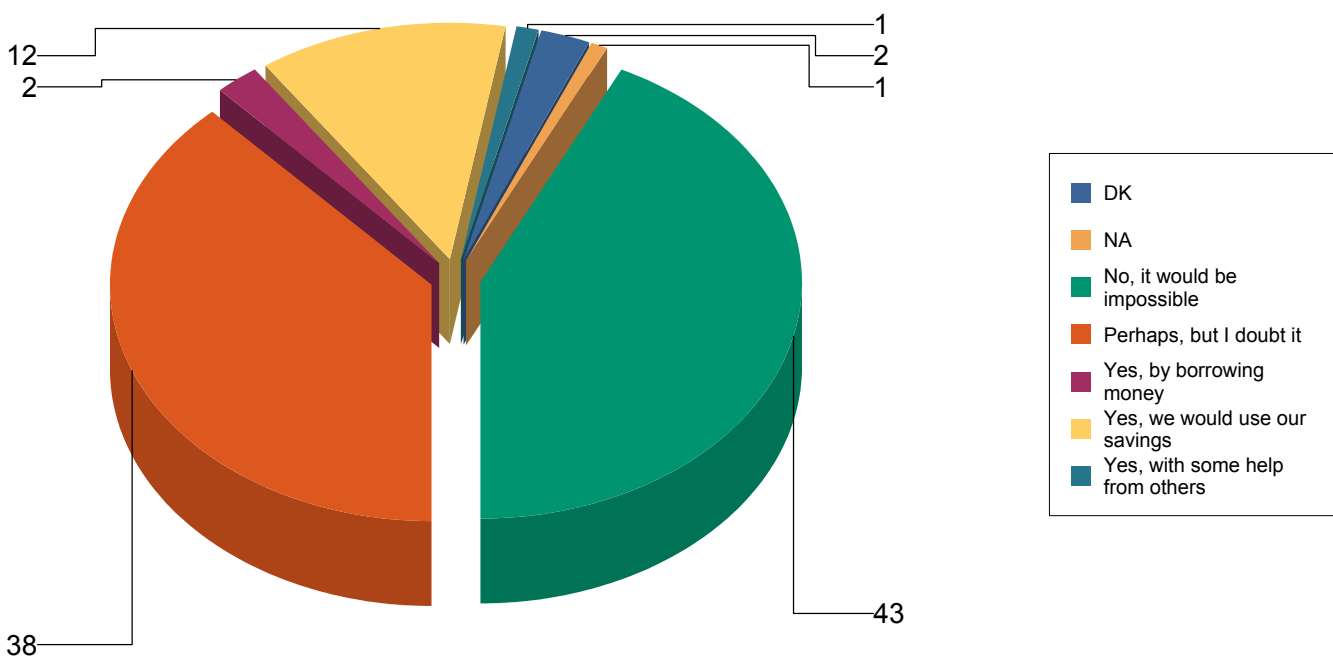
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

**Capacity: Access to Credit Facilities - Percent of households with ability to raise 500 birr in one week**

| HH Ability To Raise 500 Br in One Week | Response_Percent |
|----------------------------------------|------------------|
| Yes, we would use our savings          | 12.47            |
| Yes, by borrowing money                | 2.22             |
| Yes, with some help from others        | 1.11             |
| Perhaps, but I doubt it                | 37.67            |
| No, it would be impossible             | 42.66            |
| DK                                     | 2.49             |
| NA                                     | 0.83             |

### Households' Ability To Raise 500 Br in One Week



# **WDRP Indicators**

## **Health and Sanitation**

### **Characteristics**



Data Collected Date

Thursday, September 18, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Household Access to Health Facilities - Where do patients go for health care?  
Constraints to adequate healthcare

| Where do Patients Go for Healthcare               | HH Response | Constraints to Adequate Health Car | HH Responses |
|---------------------------------------------------|-------------|------------------------------------|--------------|
| Did not get Health Care                           | 8.32        | No money for treatment costs       | 59.49        |
| Central Hospital                                  | 1.33        | Poor quality of service            | 1.27         |
| District/Municipal hospital/health centre/ clinic | 47.02       | Manufacturing                      | 29.24        |
| Pharmacy                                          | 0.10        |                                    |              |
| Other private                                     | 2.77        |                                    |              |
| Outside Ethiopia                                  | 0.10        |                                    |              |
| Traditional/spiritual healer                      | 2.16        |                                    |              |
| Other                                             | 2.57        |                                    |              |
| Other public                                      | 9.86        |                                    |              |
| Mission facility                                  | 0.10        |                                    |              |
| Community health worker                           | 3.49        |                                    |              |
| Private hospital/clinic                           | 22.18       |                                    |              |



Data Collected Date

Thursday, September 18, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

Household Access to Health Facilities - Where do patients go for health care?  
Constraints to adequate healthcare

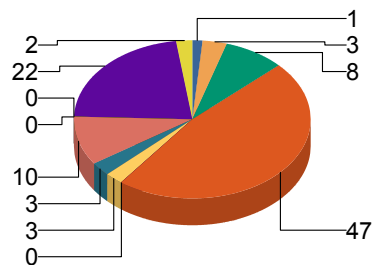
Where do Patients Go for Healthcare

HH Response

Constraints to Adequate Health Car

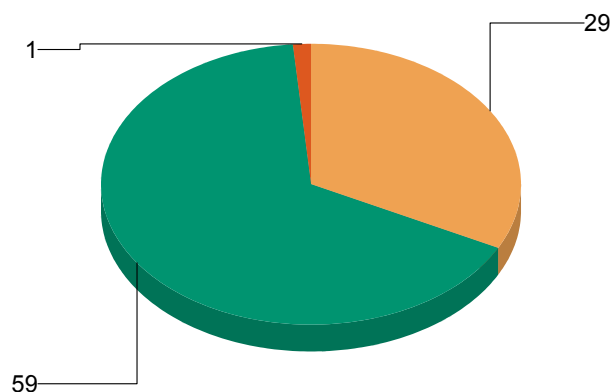
HH Responses

Where Do Patients go for Health care?



|                                                   |        |
|---------------------------------------------------|--------|
| Central Hospital                                  | 1.3%   |
| Community health worker                           | 3.5%   |
| Did not get Health Care                           | 8.3%   |
| District/Municipal hospital/health centre/ clinic | 47.0%  |
| Mission facility                                  | 0.1%   |
| Other                                             | 2.6%   |
| Other private                                     | 2.8%   |
| Other public                                      | 9.9%   |
| Outside Ethiopia                                  | 0.1%   |
| Pharmacy                                          | 0.1%   |
| Private hospital/clinic                           | 22.2%  |
| Traditional/spiritual healer                      | 2.2%   |
| Total:                                            | 100.0% |

Constraints to Adequate Health Care



|                              |        |
|------------------------------|--------|
| Manufacturing                | 0.0%   |
| No money for treatment costs | 66.1%  |
| Poor quality of service      | 1.4%   |
| Total:                       | 100.0% |



Data Collected Date

Thursday, September 18, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator **Hazards: Health problems and changes over the last decade**

| <u>Kebele Name</u>  | <u>Health Problems</u>             | <u>Changes In Last Decade</u> |
|---------------------|------------------------------------|-------------------------------|
| SEBULINA<br>WENHARA | High prevalence of human disease   | Increasing                    |
| BIEDAFORO           | High prevalence of human disease   | Increasing                    |
| MOROBURI            | High prevalence of human disease   | Increasing                    |
| DEBEL               | High prevalence of human disease   | Increasing                    |
| GEFEREM             | High prevalence of human disease   | Increasing                    |
| BURKA               | High prevalence of human disease   | Increasing                    |
| KODOE               | High prevalence of human disease   | Increasing                    |
| DENGELGITA          | Malaria, stomach disease pneumonia | Increasing                    |



Data Collected Date

Thursday, September 18, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

Household Health Status - Households health condition and major health problems

| <u>Health Condition</u>        | <u>HH Response</u> | <u>Population Sickness</u> | <u>HH Response</u> | <u>Children Sickness</u> | <u>HH Response</u> |
|--------------------------------|--------------------|----------------------------|--------------------|--------------------------|--------------------|
| Good health                    | 51.0               | Malaria                    | 57.0               | Malaria                  | 38.0               |
| Ill for <3 months              | 45.0               | Diarrhea                   | 15.0               | Diarrhea                 | 14.0               |
| Ill for more than three months | 4.0                | Chronic fever              | 6.0                | Chronic fever            | 4.0                |
|                                |                    | Asthma                     | 0.0                |                          |                    |
|                                |                    | Others                     | 10.0               |                          |                    |
|                                |                    | DK                         | 0.0                |                          |                    |
|                                |                    | NA                         | 0.0                |                          |                    |
|                                |                    | Stomach pain               | 1.0                | Eye problems             | 0.0                |
|                                |                    | Tuberculosis               | 1.0                | Back ache                | 0.0                |
|                                |                    | Eye problems               | 1.0                | Stomach pain             | 0.0                |
|                                |                    | Hyper tension              | 0.0                | Mental illness           | 0.0                |
|                                |                    | Mental illness             | 0.0                | Others                   | 39.0               |
|                                |                    | Meningitis                 | 0.0                |                          |                    |
|                                |                    | Headache                   | 4.0                | Headache                 | 1.0                |
|                                |                    |                            | 2.0                |                          | 1.0                |
|                                | 9.0                | Back ache                  | 0.0                | Tuberculosis             | 2.0                |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, September 18, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

Household Health Status - Households health condition and major health problems

Health Condition

HH Response

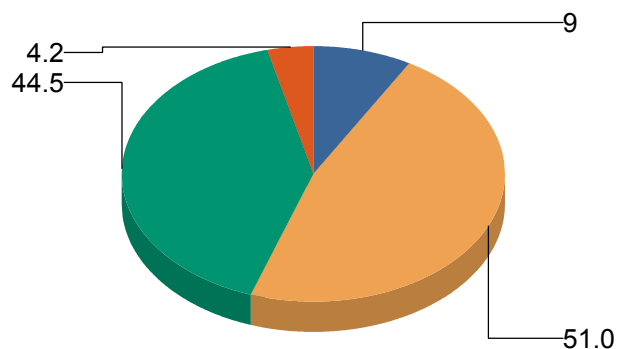
Population Sickness

HH Response

Children Sickness

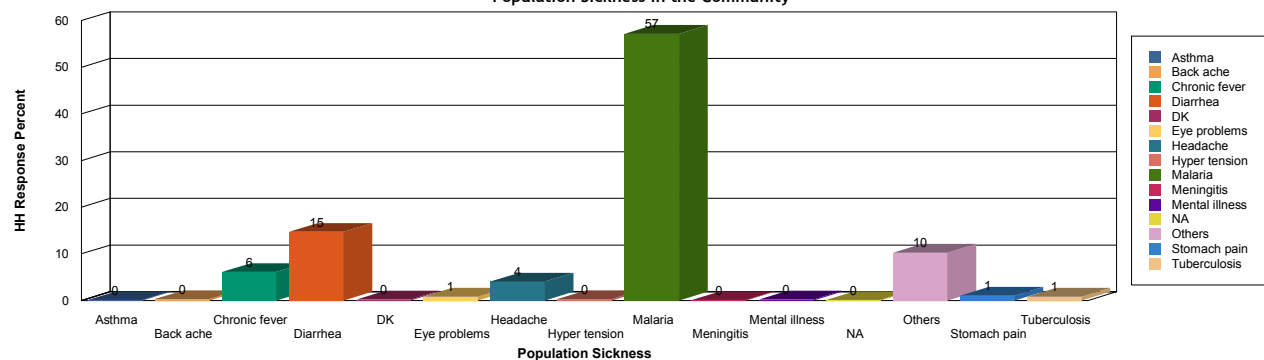
HH Response

### Health Condition of the Community

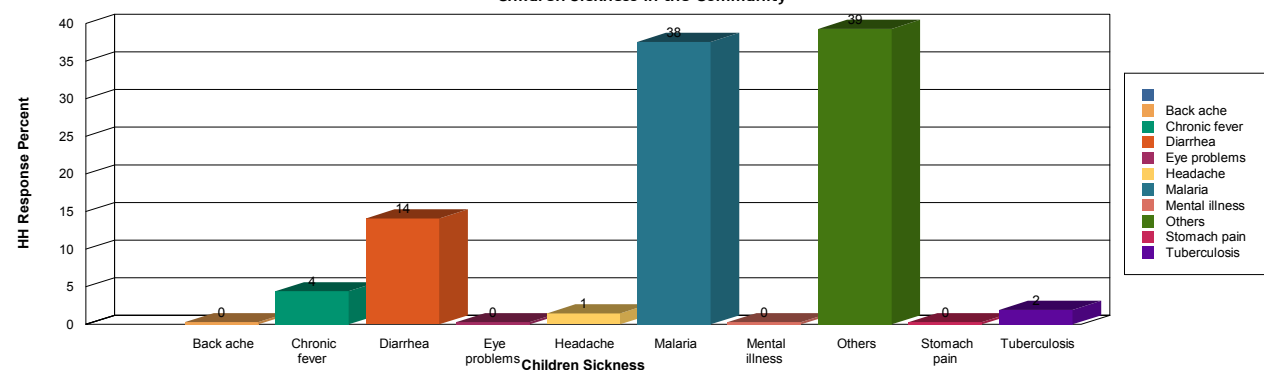


|                                |        |
|--------------------------------|--------|
| Good health                    | 46.9%  |
| Ill for <3 months              | 41.0%  |
| Ill for more than three months | 3.8%   |
| Total:                         | 100.0% |

### Population Sickness in the Community



### Children Sickness in the Community





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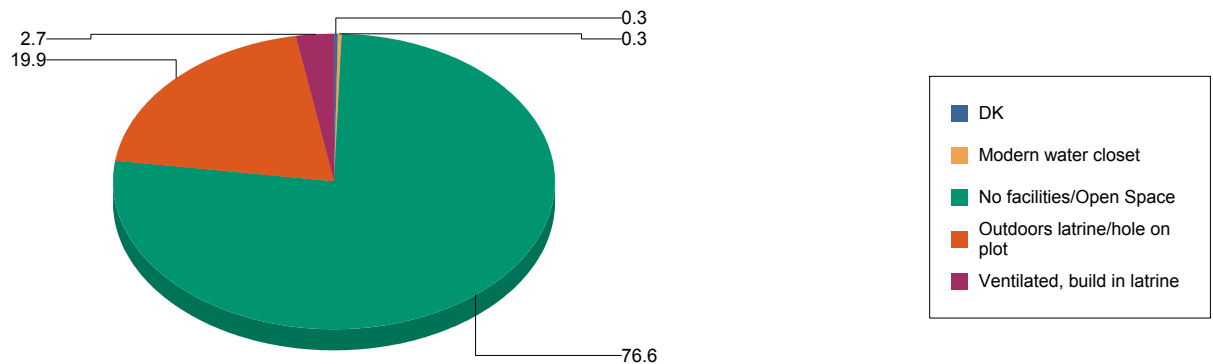
Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Household Access to Sanitation - Percentage of households with access to different kind of toilet facilities

| Type of Toilet Facility       | HH Response |
|-------------------------------|-------------|
| Modern water closet           | 0.27        |
| Ventilated, build in latrine  | 2.66        |
| Outdoors latrine/hole on plot | 19.95       |
| No facilities/Open Space      | 76.60       |
| DK                            | 0.27        |
| HH Sharing Toilet             | 33.00       |

Household Responses to the type of toilet facilities in the community





Data Collected Date

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**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator

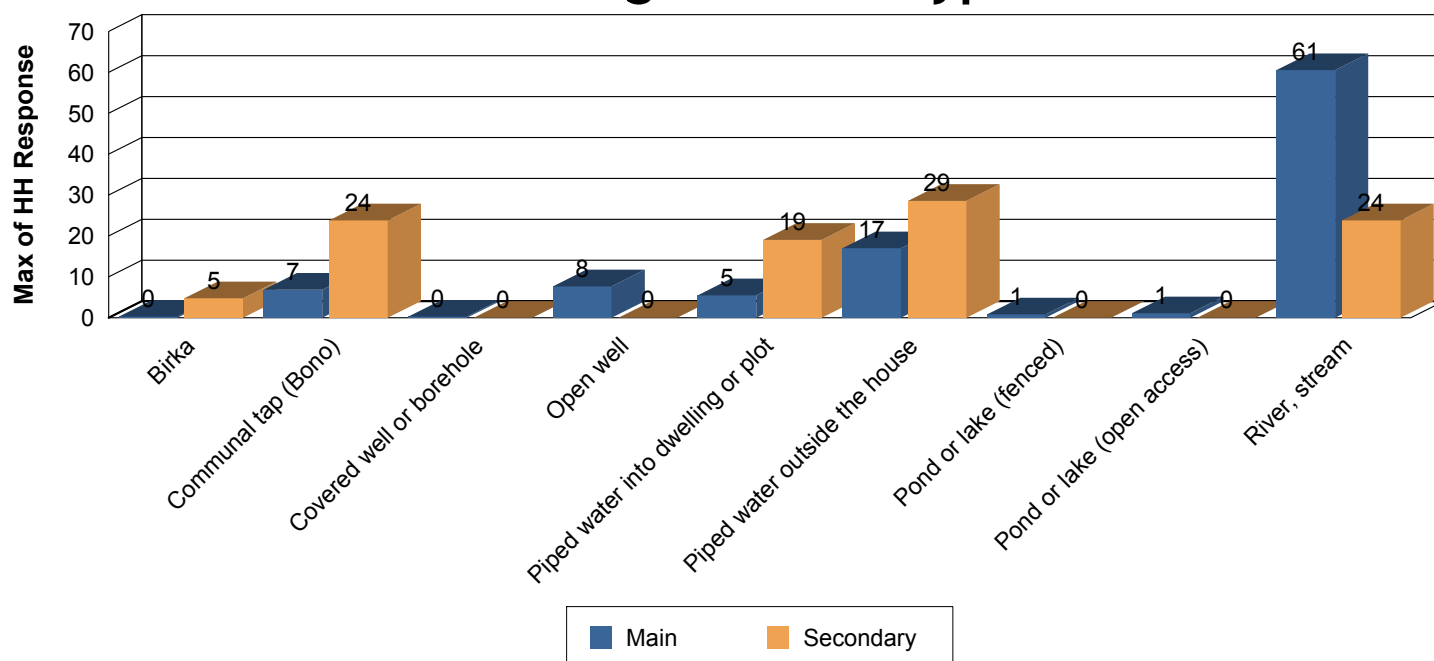
**Household Access to Drinking Water - Sources of drinking water for households (response in %)**

Sources of drinking water for Households

Priority of the Water Source

|                                   | Main  | Secondary |
|-----------------------------------|-------|-----------|
| Birka                             | 0.27  | 4.76      |
| Communal tap (Bono)               | 6.85  | 23.81     |
| Covered well or borehole          | 0.27  | 0.00      |
| Open well                         | 7.67  | 0.00      |
| Piped water into dwelling or plot | 5.48  | 19.05     |
| Piped water outside the house     | 16.99 | 28.57     |
| Pond or lake (fenced)             | 0.82  | 0.00      |
| Pond or lake (open access)        | 1.10  | 0.00      |
| River, stream                     | 60.55 | 23.81     |

### Source of Drinking Water & Type of Source





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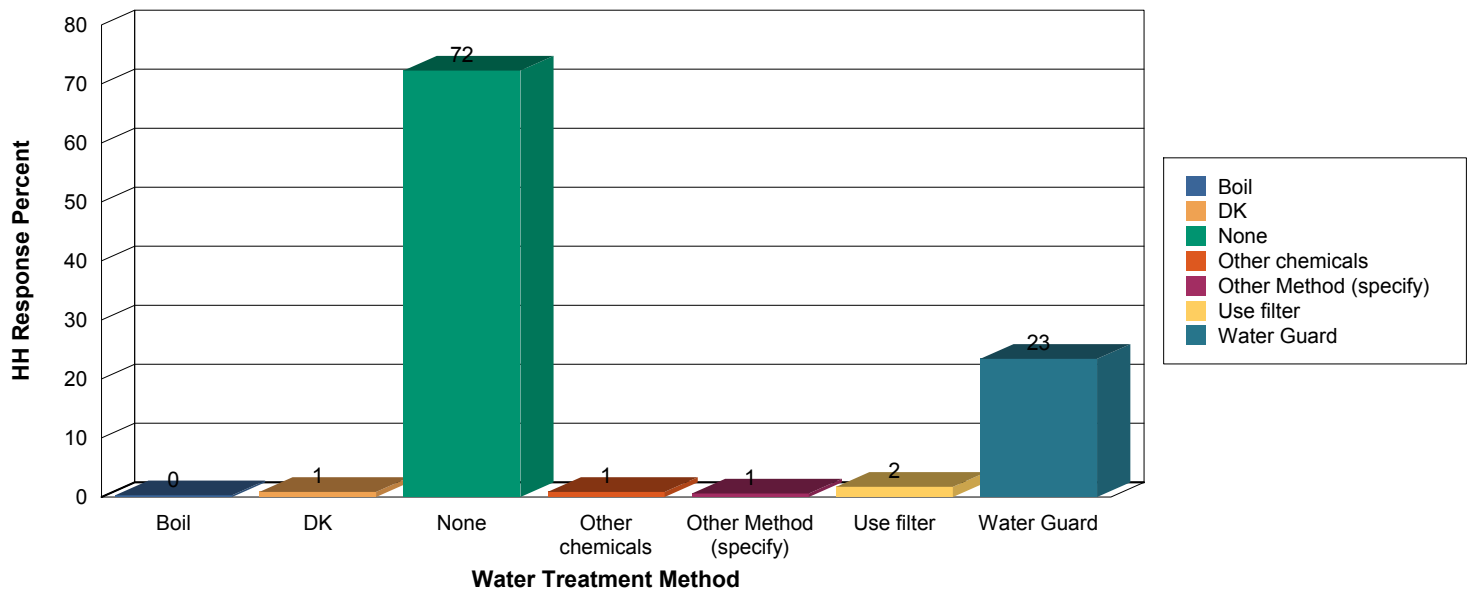
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Household Access to Drinking Water - Households methods of treating drinking water

| Method of Treating Water | HH Response |
|--------------------------|-------------|
| Boil                     | 0.29        |
| Water Guard              | 23.41       |
| Use filter               | 1.73        |
| Other chemicals          | 0.87        |
| Other Method (specify)   | 0.58        |
| None                     | 72.25       |
| DK                       | 0.87        |

Method of Treating Water by Households





Data Collected Date

Thursday, September 18, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Household Access to Drinking Water - Number of times households fetch water in a week

Number of Times Households Fetch Water in a Week

HH Response

Once 0.28

Twice 0.28

Three times 0.56

Four times 1.96

Five times 4.19

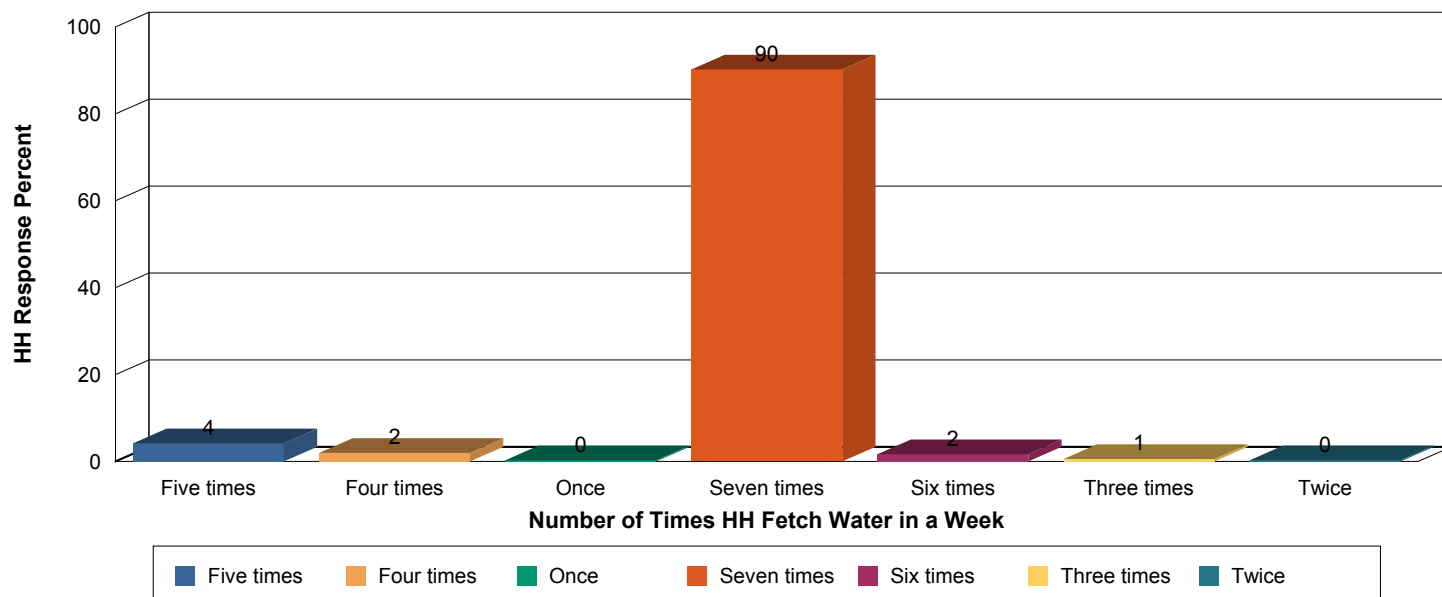
Six times 1.68

Seven times 90.22

Average Number of Times HH Fetch Water Per Week

6.79

Number of Times HH Fetch Water in a Week





Data Collected Date

Thursday, September 18, 2014

| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

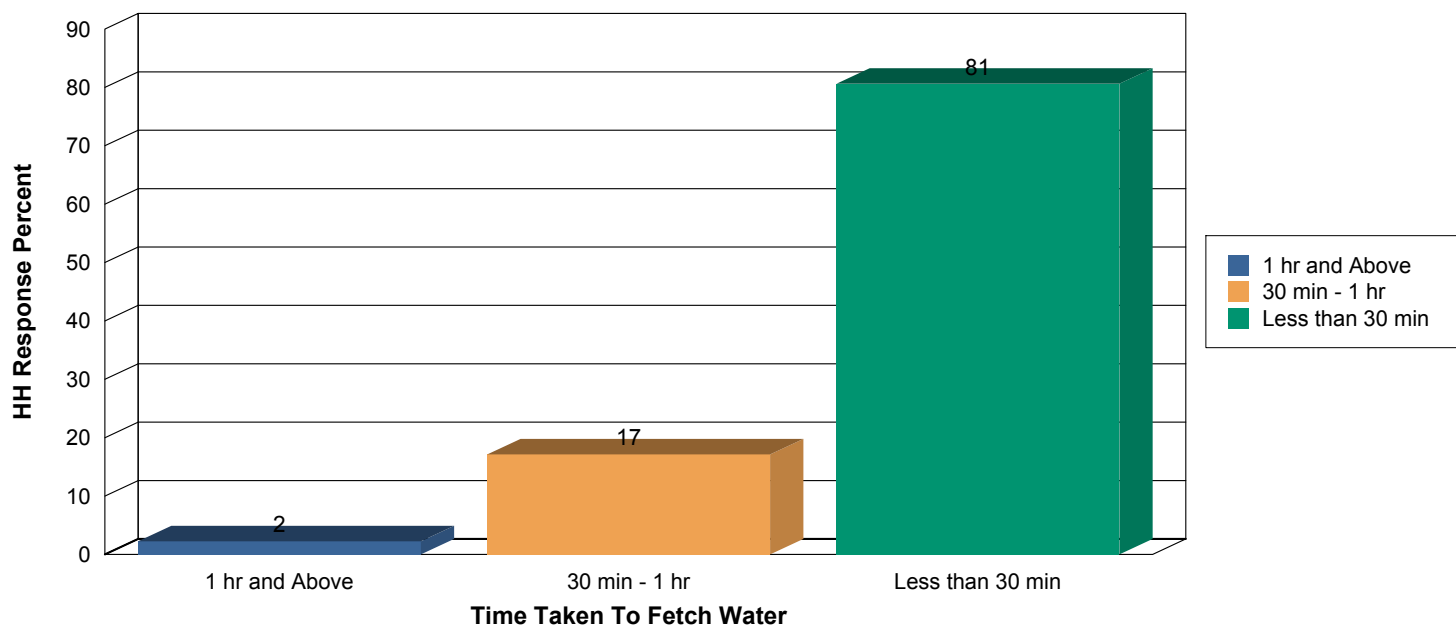
Household Access to Drinking Water - Time taken per day to fetch water for households

| Time Taken To Fetch Water | HH Response |
|---------------------------|-------------|
|---------------------------|-------------|

|                  |       |
|------------------|-------|
| Less than 30 min | 80.62 |
| 30 min - 1 hr    | 17.13 |
| 1 hr and Above   | 2.25  |

|                                                     |       |
|-----------------------------------------------------|-------|
| <u>Average Number of Times Taken To Fetch Water</u> | 25.43 |
|-----------------------------------------------------|-------|

Time Taken To Fetch Water for the HH



# **WDRP Indicators**

## **Coping Mechanisms and Preparedness**



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, September 18, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Capacity: Community Preparedness against Sudden Onset Disasters

| <u>KebeleName</u>   | <u>Precaution_1</u>  | <u>Comment_1</u> | <u>Precaution_2</u>   | <u>Comment_2</u>        | <u>Precaution_3</u>       | <u>Comment_3</u> |
|---------------------|----------------------|------------------|-----------------------|-------------------------|---------------------------|------------------|
| SEBULINA<br>WENHARA | Report to Woreda     | For help         |                       |                         |                           |                  |
| BIEDAFORO           | Nothing              | Lack of capacity |                       |                         |                           |                  |
| MOROBURI            |                      |                  |                       |                         |                           |                  |
| DEBEL               | Report to government | Lack of capacity |                       |                         |                           |                  |
| GEFEREM             | Migration            | Lack of capacity | Report for government | To get help             |                           |                  |
| BURKA               | Report to Woreda     | Lack of capacity | Migration             | To reduce vulnerability |                           |                  |
| KODOE               | Discussion           | To get solution  | Report to government  | To get help             | Asking invertors for help |                  |
| DENGELGITA          | Migration            |                  |                       |                         | Asking invertors for help |                  |



Data Collected Date

Thursday, September 18, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator **Capacity: Community Preparedness against Increase in Disaster Intensity**

| <u>KebeleName</u>   | <u>Precaution_1</u>                       | <u>Comment_1</u>                         | <u>Precaution_2</u>                    | <u>Comment_2</u>           | <u>Precaution_3</u> | <u>Comment_3</u> |
|---------------------|-------------------------------------------|------------------------------------------|----------------------------------------|----------------------------|---------------------|------------------|
| SEBULINA<br>WENHARA | Nothing                                   | Lack of awareness<br>and capacity        |                                        |                            |                     |                  |
| BIEDAFORO           |                                           |                                          |                                        |                            |                     |                  |
| MOROBURI            | Migration to<br>pasture and water<br>area | To reduce<br>vulnerability               |                                        |                            |                     |                  |
| DEBEL               | Nothing only<br>Allah save us             | Lack of capacity                         |                                        |                            |                     |                  |
| GEFEREM             | Nothing                                   |                                          |                                        |                            |                     |                  |
| BURKA               | Capacity building                         |                                          | Migration to pasture<br>and water area | To reduce<br>vulnerability |                     |                  |
| KODOE               | None                                      | Lack of capacity                         |                                        |                            |                     |                  |
| DENGELGITA          | Avoiding<br>deforestation                 | To reduce<br>vulnerability to<br>drought |                                        |                            |                     |                  |



Data Collected Date

Thursday, September 18, 2014

| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator **Capacity: Community Preparedness against Disasters**

| <u>Kebele Name</u>  | <u>Precaution 1</u>             | <u>Comment 1</u>         | <u>Precaution 2</u> | <u>Comment 2</u> | <u>Precaution 3</u> | <u>Comment 3</u> |
|---------------------|---------------------------------|--------------------------|---------------------|------------------|---------------------|------------------|
| SEBULINA<br>WENHARA | Nothing                         | Lack of capacity         |                     |                  |                     |                  |
| BIEDAFORO           | Nothing                         | Lack of capacity         |                     |                  |                     |                  |
| MOROBURI            | Nothing                         | Lack of capacity         |                     |                  |                     |                  |
| DEBEL               | Nothing                         | Lack of capacity         |                     |                  |                     |                  |
| GEFEREM             | Construction of traditional dam | To protect from flooding |                     |                  |                     |                  |
| BURKA               | No proactive actions            | Lack of capacity         |                     |                  |                     |                  |
| KODOE               | Only Allah protect us           | Lack of capacity         |                     |                  |                     |                  |
| DENGELGITA          | Nothing                         | Lack of capacity         |                     |                  |                     |                  |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, September 18, 2014

| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator Hazard: Coping and recovering during last Disaster

Kebele Name SEBULINA WENHARA

Type of Disaster(s) Drought , Human and animal disease,

Coping Strategy Taking the sick person to the nearest places

Description Lack of human health services, no medicine , no sufficient human health workers

Recovery Strategy No recovery at all

Description lack of capacity

Community Participation Ways Taking sick people to the nearest health center

Description No medicine, no human health services



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, September 18, 2014

| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|
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Selected Indicator Hazard: Coping and recovering during last Disaster

Kebele Name BIEDAFORO

Type of Disaster(s) Human disease,

Coping Strategy Taking sick people to Debel clinic

Description lack of human health post, no medicine

Recovery Strategy No recovery at all

Description lack of capacity

Community Participation Ways Taking sick people to the nearest health center

Description No medicine, no human health services



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**Selected Indicator** Hazard: Coping and recovering during last Disaster

Kebele Name MOROBURI

Type of Disaster(s) Animal disease, , human disease

Coping Strategy Using cultural medicine

Description Taking sick people to Debel clinic

Recovery Strategy No recovery at all

Description lack of capacity

Community Taking sick people to the nearest health center

Participation Ways

Description No medicine, no human health services



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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator Hazard: Coping and recovering during last Disaster

Kebele Name DEBEL

Type of Disaster(s) human disease

Coping Strategy Taking sick people to Debel clinic

Description lack of human health post, no medicine

Recovery Strategy No recovery at all

Description lack of capacity

Community Participation Ways Taking sick people to the nearest health center

Description No medicine, no human health services



Data Collected Date

Thursday, September 18, 2014

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Selected Indicator Hazard: Coping and recovering during last Disaster

Kebele Name GEFEREM

Type of Disaster(s) Human disease,

Coping Strategy Taking sick people to Debel clinic

Description lack of human health post, no medicine

Recovery Strategy No recovery at all

Description lack of capacity

Community Participation Ways Taking sick people to the nearest health center

Description No medicine, no human health services



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, September 18, 2014

| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
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Selected Indicator Hazard: Coping and recovering during last Disaster

Kebele Name BURKA

Type of Disaster(s) Human disease,

Coping Strategy Traditional by using salt water

Description No copying mechanisms for recovery

Recovery Strategy No recovery at all

Description lack of capacity

Community Participation Ways Taking sick people to the nearest health center

Description No medicine, no human health services



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**Selected Indicator** Hazard: Coping and recovering during last Disaster

Kebele Name KODOE

Type of Disaster(s) Human disease

Coping Strategy Taking sick people to Gewane town

Description lack of human health post, no medicine

Recovery Strategy No recovery at all

Description lack of capacity

Community Participation Ways Taking sick people to the nearest health center

Description No medicine, no human health services



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, September 18, 2014

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Selected Indicator Hazard: Coping and recovering during last Disaster

Kebele Name DENGELGITA

Type of Disaster(s) Human disease

Coping Strategy Migration to other places

Description

Recovery Strategy No recovery at all

Description lack of capacity

Community Participation Ways Taking sick people to the nearest health center

Description No medicine, no human health services



Data Collected Date

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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
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Selected Indicator

Capacity: Type Community Participation

| <u>Kebele Name</u>  | <u>Levels Comm Participation</u>                    | <u>Changes In Last Decade</u>                |
|---------------------|-----------------------------------------------------|----------------------------------------------|
| SEBULINA<br>WENHARA | Very good                                           | Decreased due to drought and economic crisis |
| BIEDAFORO           | Very good                                           | Decreased due to drought and economic crisis |
| MOROBURI            | Good cooperation and participation among the people | Decreased due to drought and economic crisis |
| DEBEL               | Very good                                           | Decreased due to drought and economic crisis |
| GEFEREM             | Very good                                           | Decreased due to drought and economic crisis |
| BURKA               | Very good                                           | Decreased due to drought and economic crisis |
| KODOE               | Very good                                           | Decreased due to drought and economic crisis |
| DENGELGITA          | Very good                                           | Decreased due to drought and economic crisis |



Data Collected Date

Thursday, September 18, 2014

| <u>Region</u>                                                                 | <u>Zone</u>                                                                                                                   | <u>Wereda</u> |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------|
| Selected Indicator                                                            | Capacity: Recovery from Losses from Disasters - Percentage of Households who have managed to recover from losses of disasters |               |
| Percentage of households who have managed to recover from losses of disasters |                                                                                                                               | %             |
| <u>Comments</u>                                                               |                                                                                                                               |               |



Data Collected Date

Thursday, September 18, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

| Type of Coping Strategy Adopted                                                  | Type of Loss               |                                   |                         |                  |                       |                                                     |                |                 |                             |                             |                      |                                         |
|----------------------------------------------------------------------------------|----------------------------|-----------------------------------|-------------------------|------------------|-----------------------|-----------------------------------------------------|----------------|-----------------|-----------------------------|-----------------------------|----------------------|-----------------------------------------|
|                                                                                  | Death of household members | Had to flee/change residence area | Illness/health problems | Livestock damage | Livestock were stolen | Loss of access to social services, including school | Loss of income | Loss of savings | Lost access to grazing land | Lost access to water source | Other losses/damages | Physical damages on houses and property |
| Borrowing of food or cash (including purchasing food on credit)                  |                            |                                   | 33.30                   |                  |                       |                                                     |                |                 | 33.30                       |                             |                      |                                         |
| Consumption rather than sale of crop surplus                                     | 10.70                      |                                   | 32.10                   | 14.30            |                       | 42.90                                               |                |                 |                             |                             |                      |                                         |
| Limit portion size at meals                                                      | 33.30                      | 33.30                             |                         |                  |                       |                                                     |                | 33.30           |                             |                             |                      |                                         |
| Long-term / permanent migration (including distress migration of whole families) |                            | 16.70                             |                         | 16.70            |                       |                                                     | 16.70          |                 | 50.00                       | 9.00                        |                      |                                         |



Data Collected Date

Thursday, September 18, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

| Type of Coping Strategy Adopted                                                       |                            |                                   |                         |                  |                       | Type of Loss                                        |                |                 |                             |                             |                      |                                         |
|---------------------------------------------------------------------------------------|----------------------------|-----------------------------------|-------------------------|------------------|-----------------------|-----------------------------------------------------|----------------|-----------------|-----------------------------|-----------------------------|----------------------|-----------------------------------------|
|                                                                                       | Death of household members | Had to flee/change residence area | Illness/health problems | Livestock damage | Livestock were stolen | Loss of access to social services, including school | Loss of income | Loss of savings | Lost access to grazing land | Lost access to water source | Other losses/damages | Physical damages on houses and property |
| Migration                                                                             |                            |                                   |                         | 100.00           |                       |                                                     |                |                 |                             |                             |                      |                                         |
| Reduce number of meals eaten in a day                                                 | 5.60                       | 44.40                             |                         | 11.10            |                       |                                                     | 22.20          | 11.10           | 5.60                        |                             |                      |                                         |
| Reduced expenditure on health and education (including taking children out of school) |                            |                                   |                         | 20.00            |                       | 20.00                                               |                | 20.00           | 40.00                       |                             |                      |                                         |
| Reduced expenditure on non-essential items (beer, cigarettes, clothes, meat, etc.)    |                            |                                   | 11.10                   | 55.60            |                       |                                                     | 11.10          |                 | 11.10                       |                             |                      | 11.10                                   |



Data Collected Date

Thursday, September 18, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

Type of Coping Strategy Adopted

Type of Loss

|                                                                   | Death of household members | Had to flee/change residence area | Illness/health problems | Livestock damage | Livestock were stolen | Loss of access to social services, including school | Loss of income | Loss of savings | Lost access to grazing land | Lost access to water source | Other losses/damages | Physical damages on houses and property |
|-------------------------------------------------------------------|----------------------------|-----------------------------------|-------------------------|------------------|-----------------------|-----------------------------------------------------|----------------|-----------------|-----------------------------|-----------------------------|----------------------|-----------------------------------------|
| Rely on less preferred and less expensive food                    |                            | 44.40                             |                         | 11.10            |                       |                                                     | 22.20          |                 | 16.70                       |                             |                      | 5.60                                    |
| Restrict consumption by adults in order for small children to eat |                            |                                   |                         |                  |                       |                                                     |                |                 |                             |                             |                      | 100.00                                  |
| Sale of productive assets (land, farm implements, vehicle, etc.)  |                            |                                   |                         |                  |                       |                                                     | 100.00         |                 |                             |                             |                      |                                         |
| Seek alternative or additional jobs                               |                            |                                   |                         | 33.30            |                       | 66.70                                               |                |                 |                             |                             |                      |                                         |



Data Collected Date

Thursday, September 18, 2014

Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households to recover from respective losses

| Type of Coping Strategy Adopted        | Type of Loss               |                                   |                         |                  |                       |                                                     |                |                 |                             |                             |                      |                                         |
|----------------------------------------|----------------------------|-----------------------------------|-------------------------|------------------|-----------------------|-----------------------------------------------------|----------------|-----------------|-----------------------------|-----------------------------|----------------------|-----------------------------------------|
|                                        | Death of household members | Had to flee/change residence area | Illness/health problems | Livestock damage | Livestock were stolen | Loss of access to social services, including school | Loss of income | Loss of savings | Lost access to grazing land | Lost access to water source | Other losses/damages | Physical damages on houses and property |
| Sell more livestock than usual         |                            |                                   | 6.50                    | 9.70             |                       |                                                     |                |                 | 74.20                       | 9.70                        |                      |                                         |
| Sending children of household for work |                            | 50.00                             |                         |                  |                       |                                                     |                |                 |                             | 50.00                       |                      |                                         |
| Short-term / seasonal labor migration  |                            |                                   |                         | 42.90            |                       |                                                     |                |                 | 14.30                       |                             |                      | 42.90                                   |



Data Collected Date

Thursday, September 18, 2014

**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Percentage of households by frequency of main coping strategies adopted**

**Type of Coping Strategy Adopted** **Frequency of Adoption**

|                                                                     | 1 - Daily | 2 - Often (1-2 times/week) | 3 - Sometimes (2-3 times/month) | 4 - Seldom (1-3 times in 6 months) | 5 - Never |
|---------------------------------------------------------------------|-----------|----------------------------|---------------------------------|------------------------------------|-----------|
| Borrowing of food or cash (including purchasing food on credit)     |           |                            |                                 |                                    |           |
| Consumption rather than sale of crop surplus                        |           |                            |                                 | 6.70                               | 80.00     |
| Increased working hours                                             |           | 25.00                      | 50.00                           | 25.00                              |           |
| Limit portion size at meals                                         |           | 50.00                      | 25.00                           | 25.00                              |           |
| Long-term / permanent migration (including distress migration)      | 3.60      | 9.10                       | 41.80                           | 41.80                              | 1.80      |
| Others (specify)                                                    | 7.00      | 38.60                      | 7.00                            | 1.80                               | 8.80      |
| Reduce number of meals eaten in a day                               | 4.30      | 21.70                      | 4.30                            |                                    | 4.30      |
| Reduced expenditure on health and education                         |           |                            |                                 |                                    |           |
| Reduced expenditure on non-essential items (beer, cigarettes, etc.) | 5.90      | 29.40                      | 35.30                           | 17.60                              | 11.80     |
| Rely on less preferred and less expensive food                      | 37.50     | 25.00                      | 8.30                            | 25.00                              |           |
| Sale of non-productive assets (jewellery, clothing, etc.)           |           |                            |                                 | 100.00                             |           |
| Seek alternative or additional jobs                                 |           | 5.30                       | 5.30                            |                                    | 94.70     |



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Thursday, September 18, 2014

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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Percentage of households by frequency of main coping strategies adopted

| Type of Coping Strategy Adopted        | Frequency of Adoption |                            |                                 |                                    |           |
|----------------------------------------|-----------------------|----------------------------|---------------------------------|------------------------------------|-----------|
|                                        | 1 - Daily             | 2 - Often (1-2 times/week) | 3 - Sometimes (2-3 times/month) | 4 - Seldom (1-3 times in 6 months) | 5 - Never |
| Sell more livestock than usual         |                       | 10.60                      | 9.40                            | 75.90                              | 1.80      |
| Sending children of household for work |                       | 50.00                      |                                 | 50.00                              |           |
| Short-term / seasonal labor migration  |                       |                            | 14.30                           | 85.70                              |           |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



Data Collected Date

Thursday, October 2, 2014

| <u>Region</u>       | AFAR                                                   | <u>Zone</u>                                                                                          | ZONE 3               | <u>Wereda</u>    | BURE MODAYITU        |                  |
|---------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------|------------------|----------------------|------------------|
| Selected Indicator  |                                                        | Capacity: Alternative Livelihood Sources - Alternative livelihood sources suggested by the community |                      |                  |                      |                  |
| <u>Kebele Name</u>  | <u>Work Option 1</u>                                   | <u>Comment 1</u>                                                                                     | <u>Work Option 2</u> | <u>Comment 2</u> | <u>Work Option 3</u> | <u>Comment 3</u> |
| SEBULINA<br>WENHARA | No other option                                        | The community is<br>pastoralists                                                                     |                      |                  |                      |                  |
| BIEDAFORO           | No other option                                        | The community is<br>pastoralists                                                                     |                      |                  |                      |                  |
| MOROBURI            | No other option                                        | The community is<br>pastoralists                                                                     |                      |                  |                      |                  |
| DEBEL               | Charcoal<br>production                                 | Because there is<br>high invasion of<br>proospis plant                                               |                      |                  |                      |                  |
| GEFEREM             | Because there is<br>high invasion of<br>proospis plant | There is investor<br>cotton farm                                                                     |                      |                  |                      |                  |
| BURKA               | No other option                                        | The community is<br>pastoralists                                                                     |                      |                  |                      |                  |
| KODOE               | No other option                                        | The community is<br>pastoralists                                                                     |                      |                  |                      |                  |
| DENGELGITA          | No other option                                        | The community is<br>pastoralists                                                                     |                      |                  |                      |                  |



Data Collected Date

Thursday, September 18, 2014

Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

Capacity: Recovery from Losses from Disasters - Percentage of households recovered from past disasters by type of Disasters

Type of Disaster

Recovered Percentage

|                        |       |
|------------------------|-------|
| Droughts               | 34.44 |
| Floods                 | 8.44  |
| Livestock diseases     | 16.00 |
| Human diseases         | 27.11 |
| Heat waves/ High temp  | 1.78  |
| Conflicts              | 3.78  |
| Economic / Price shock | 8.22  |
| Road Accident          | 0.22  |



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Selected Indicator:

Capacity: Recovery from Losses from Disasters - Proportion of households recovered by type of Losses

| Type of Loss                                        | Percentage |
|-----------------------------------------------------|------------|
| Physical damages on houses and property             | 5.56       |
| Livestock damage                                    | 24.44      |
| Death of household members                          | 4.67       |
| Illness/health problems                             | 19.56      |
| Loss of access to social services, including school | 4.22       |
| Loss of income                                      | 5.56       |
| Loss of savings                                     | 7.33       |
| Livestock were stolen                               | 0.22       |
| Lost access to grazing land                         | 16.89      |
| Lost access to water source                         | 1.33       |
| Had to flee/change residence area                   | 9.11       |
| DK                                                  | 0.22       |



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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Capacity: Coping Options if More Resources Available - What coping strategy could be adopted if more resource were available?

| <u>Coping Strategy To Be Adopted</u>                                                              | <u>Response (%)</u> |
|---------------------------------------------------------------------------------------------------|---------------------|
| Adaptation of economic activities to hazards season (e.g. cropping cycle, short term crops, etc.) | 15.16               |
| Storage of food and other necessities                                                             | 50.27               |
| Physical protection of buildings and property                                                     | 24.47               |
| Changing residence area/migration                                                                 | 7.18                |
| None                                                                                              | 2.13                |



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Selected Indicator:

Capacity: Coping Strategies Adopted by Households - Percentage of households by major type of coping strategies adopted (at least once)

| Coping Strategy Adopted                                                               | Main Strategy | Secondary Strategy |
|---------------------------------------------------------------------------------------|---------------|--------------------|
| Sell more livestock than usual                                                        | 38.46         | 8.07               |
| Reduced expenditure on health and education (including taking children out of school) | 0.23          | 1.30               |
| Long-term / permanent migration (including distress migration of whole families)      | 12.44         | 1.56               |
| Rely on less preferred and less expensive food                                        | 5.43          | 4.69               |
| Reduce number of meals eaten in a day                                                 | 5.20          | 4.69               |
| Seek alternative or additional jobs                                                   | 4.30          | 0.78               |
| Limit portion size at meals                                                           | 0.90          | 0.78               |
| Consumption rather than sale of crop surplus                                          | 3.85          | 7.29               |
| Short-term / seasonal labor migration                                                 | 1.58          | 1.82               |
| Borrowing of food or cash (including purchasing food on credit)                       | 0.23          | 0.78               |
| Reduced expenditure on non-essential items (beer, cigarettes, etc)                    | 3.85          | 2.34               |
| Increased working hours                                                               | 0.90          | 0.00               |
| Sending children of household for work                                                | 0.45          | 0.52               |
| Sale of non-productive assets (jewellery, clothing, etc.)                             | 0.23          | 0.26               |
| Migration                                                                             | 21.95         | 65.11              |



Data Collected Date

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**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households for respective disasters**

**Coping Strategies Adopted**

**Types of disasters for which HHs in the community adopt the listed Coping Strategies**

|                                                                 | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|-----------------------------------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Borrowing of food or cash (including purchasing food on credit) |           |          | 100.00                 |        |                       |                |                    |               |
| Consumption rather than sale of crop surplus                    |           | 52.90    |                        | 5.90   |                       | 17.60          | 23.50              |               |
| Increased working hours                                         |           |          | 75.00                  |        |                       |                | 25.00              |               |



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**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households for respective disasters**

**Coping Strategies Adopted** **Types of disasters for which HHs in the community adopt the listed Coping Strategies**

|                                                                | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|----------------------------------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Limit portion size at meals                                    |           | 100.00   |                        |        |                       |                |                    |               |
| Long-term / permanent migration (including distress migration) |           | 65.50    | 1.80                   | 18.20  |                       | 5.50           | 9.10               |               |
| Others (specify)                                               | 25.90     | 1.70     |                        | 6.90   | 5.20                  | 56.90          | 3.40               |               |



Data Collected Date

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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households for respective disasters**

**Coping Strategies Adopted** **Types of disasters for which HHs in the community adopt the listed Coping Strategies**

|                                                                    | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|--------------------------------------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Reduce number of meals eaten in a day                              |           | 91.30    | 4.30                   |        |                       |                | 4.30               |               |
| Reduced expenditure on health and education                        |           | 100.00   |                        |        |                       |                |                    |               |
| Reduced expenditure on non-essential items (beer, cigarettes, etc) |           | 35.30    | 17.60                  | 11.80  |                       | 23.50          | 11.80              |               |



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**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households for respective disasters**

**Coping Strategies Adopted** **Types of disasters for which HHs in the community adopt the listed Coping Strategies**

|                                                           | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|-----------------------------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Rely on less preferred and less expensive food            |           | 33.30    | 62.50                  |        |                       |                | 4.20               |               |
| Sale of non-productive assets (jewellery, clothing, etc.) |           |          |                        |        |                       |                |                    | 100.00        |
| Seek alternative or additional jobs                       |           | 10.50    | 15.80                  | 10.50  |                       | 57.90          | 5.30               |               |



Data Collected Date

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**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator

**Capacity: Coping Strategies Adopted by Households - Main coping strategies adopted by households for respective disasters**

**Coping Strategies Adopted**

**Types of disasters for which HHs in the community adopt the listed Coping Strategies**

|                                        | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|----------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Sell more livestock than usual         | 0.60      | 34.10    | 4.10                   | 3.50   | 2.90                  | 27.60          | 27.10              |               |
| Sending children of household for work |           |          | 100.00                 |        |                       |                |                    |               |
| Short-term / seasonal labor migration  |           |          |                        | 100.00 |                       |                |                    |               |



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Secondary coping strategies adopted by households for respective disasters

|                                                                 | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|-----------------------------------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Borrowing of food or cash (including purchasing food on credit) |           | 66.70    |                        |        |                       |                | 33.30              |               |
| Consumption rather than sale of crop surplus                    | 50.00     | 7.10     |                        |        |                       | 35.70          | 7.10               |               |
| Limit portion size at meals                                     |           | 33.30    | 33.30                  | 33.30  |                       |                |                    |               |
| Long-term / permanent migration (including distress migration)  |           |          | 50.00                  |        | 16.70                 |                | 16.70              |               |
| Others (specify)                                                |           |          |                        |        |                       | 50.00          | 50.00              |               |



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Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Secondary coping strategies adopted by households for respective disasters

|                                                                    | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|--------------------------------------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Reduce number of meals eaten in a day                              |           | 61.10    | 22.20                  |        |                       |                | 16.70              |               |
| Reduced expenditure on health and education                        |           | 50.00    | 25.00                  |        |                       |                | 25.00              |               |
| Reduced expenditure on non-essential items (beer, cigarettes, etc) |           | 44.40    | 11.10                  |        |                       | 11.10          | 33.30              |               |
| Rely on less preferred and less expensive food                     |           | 66.70    | 22.20                  |        |                       |                | 11.10              |               |
| Restrict consumption by adults in order for small children         |           |          |                        | 100.00 |                       |                |                    |               |
| Sale of non-productive assets (jewellery, clothing, etc.)          |           |          | 100.00                 |        |                       |                |                    |               |



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Region

AFAR

Zone

ZONE 3

Wereda

BURE MODAYITU

Selected Indicator

Capacity: Coping Strategies Adopted by Households - Secondary coping strategies adopted by households for respective disasters

|                                        | Conflicts | Droughts | Economic / Price shock | Floods | Heat waves/ High temp | Human diseases | Livestock diseases | Road Accident |
|----------------------------------------|-----------|----------|------------------------|--------|-----------------------|----------------|--------------------|---------------|
| Seek alternative or additional jobs    |           |          | 66.70                  |        |                       |                | 33.30              |               |
| Sell more livestock than usual         |           | 90.30    |                        | 3.20   |                       | 6.50           |                    |               |
| Sending children of household for work |           | 100.00   |                        |        |                       |                |                    |               |
| Short-term / seasonal labor migration  |           | 57.10    |                        | 42.90  |                       |                |                    |               |

# **WDRP Indicators**

## **Community**

### **Perceptions and Suggestions**



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

**Interventions: Community Perception on Mediums to Influence DRM Actors - Community perception on the effectiveness of institutional channels to use to influence DRM actors**

| <u>Kebele Name</u>  | <u>Institution_1</u> | <u>Process_Description</u>                    | <u>Institution_2</u> | <u>Process_Description</u>      | <u>Institution_3</u> | <u>Process_Description</u> |
|---------------------|----------------------|-----------------------------------------------|----------------------|---------------------------------|----------------------|----------------------------|
| SEBULINA<br>WENHARA | Community elders     | Discussed the situation with community elders | Kebele leader        | Report to wereda administration |                      |                            |
| BIEDAFORO           | Community elders     | Discussed the situation with community elders | Kebele leader        | Report to wereda administration |                      |                            |
| MOROBURI            | Community elders     | Discussed the situation with community elders | Kebele leader        | Report to wereda administration |                      |                            |
| DEBEL               | Community elders     | Discussed the situation with community elders | Kebele leader        | Report to wereda administration |                      |                            |
| GEFEREM             | Community elders     | Discussed the situation with community elders | Kebele leader        | Report to wereda administration |                      |                            |
| BURKA               | Community elders     | Discussed the situation with community elders | Kebele leader        | Report to wereda administration |                      |                            |
| KODOE               | Community elders     | Discussed the situation with community elders | Kebele leader        | Report to wereda administration |                      |                            |



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|--------|------|------|--------|--------|---------------|

Selected Indicator

**Interventions: Community Perception on Mediums to Influence DRM Actors - Community perception on the effectiveness of institutional channels to use to influence DRM actors**

| Kebele Name | Institution_1    | Process_Description                           | Institution_2 | Process_Description                                             | Institution_3 | Process_Description |
|-------------|------------------|-----------------------------------------------|---------------|-----------------------------------------------------------------|---------------|---------------------|
| DENGELGITA  | Community elders | Discussed the situation with community elders | Kebele leader | Report to wereda administration Report to wereda administration |               |                     |



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|---------------|------|-------------|--------|---------------|---------------|
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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Interventions: Community Perception on their Knowledge used in DRM Process -  
Perception of the community on how their knowledge influences the priorities  
and measures of DRM actors

| <u>KebeleName</u>   | <u>Community Suggestions</u>      |
|---------------------|-----------------------------------|
| BIEDAFORO           | Community suggestion is not asked |
| BURKA               | Community suggestion is not asked |
| DEBEL               | Community suggestion is not asked |
| DENGELGITA          | Community suggestion is not asked |
| GEFEREM             | Community suggestion is not asked |
| KODOE               | Community suggestion is not asked |
| MOROBURI            | Community suggestion is not asked |
| SEBULINA<br>WENHARA | Community suggestion is not asked |



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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

**Interventions: Suggestions to improve preparedness - Interventions suggested by the community to development actors to improve preparedness in the area**

| <u>KebeleName</u>   | Measure 1 | Comment 1                       | Measure 2      | Comment 2                                     | Measure 3 | Comment 3 |
|---------------------|-----------|---------------------------------|----------------|-----------------------------------------------|-----------|-----------|
| SEBULINA<br>WENHARA | Drought   | Migration to better area        | Animal disease | No things                                     |           |           |
| BIEDAFORO           | Drought   | Migration                       | Human disease  | Using cultural medicine                       |           |           |
| MOROBURI            | Drought   | Migration to better area        | Human disease  | Using cultural medicine                       |           |           |
| DEBEL               | Drought   | Nothing                         | Flood          | Construction of dam using soil and stone bund |           |           |
| GEFEREM             | Drought   | Migration to better area        | Flood          | Traditional dam construction                  |           |           |
| BURKA               | Drought   | Reprot to Woreda administration | Animal disease | Report to Woreda administration               |           |           |
| KODOE               | Drought   | Migration to better area        | Human disease  | Using cultural medicine                       |           |           |
| DENGELGITA          | Drought   | Report to government            | Disease        | Report to Woreda administration               |           |           |



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| Region              | AFAR                                                    | Zone                                                                                                                                    | ZONE 3                                           | Wereda    | BURE MODAYITU                                                    |           |
|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------|------------------------------------------------------------------|-----------|
| Selected Indicator  |                                                         | Interventions: Suggestions to DRM Actors in the Area - Community suggested measures to DRM actors in the area for effective DRM actions |                                                  |           |                                                                  |           |
| Kebele Name         | Measure 1                                               | Comment 1                                                                                                                               | Measure 2                                        | Comment 2 | Measure 3                                                        | Comment 3 |
| SEBULINA<br>WENHARA | They should identify the community problems             |                                                                                                                                         | Working with the community                       |           | PSNP Projects                                                    |           |
| BIEDAFORO           | They should identify the core problems of the community |                                                                                                                                         | Working with the community                       |           | They should work with community by cooperation and participation |           |
| MOROBURI            | Vaccination and distribution of animal feed             |                                                                                                                                         | Established disaster response and relief project |           | Distribution of human and animal medicine                        |           |
| DEBEL               | Agricultural activities using irrigation                |                                                                                                                                         | Working with the community                       |           | Establishing market area                                         |           |
| GEFEREM             | Discussion with the community about their problems      |                                                                                                                                         | Working with the community                       |           | They should work with community by cooperation and participator  |           |
| BURKA               | Create additional alternative options                   |                                                                                                                                         | Create job opportunity                           |           | Working on early warning activities                              |           |



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|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Interventions: Suggestions to DRM Actors in the Area - Community suggested measures to DRM actors in the area for effective DRM actions

| <u>Kebele Name</u> | Measure 1                 | Comment 1 | Measure 2                           | Comment 2 | Measure 3                                | Comment 3 |
|--------------------|---------------------------|-----------|-------------------------------------|-----------|------------------------------------------|-----------|
| KODOE              | Discussion with community |           | Working with the community          |           |                                          |           |
| DENGELGITA         | Construction of road      |           | Improving water and health facility |           | Agricultural activities using irrigation |           |



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Region AFAR

Zone ZONE 3

Wereda BURE MODAYITU

Selected Indicator

**Economic Vulnerability: Community Suggestions to Improve Economic Situation - Community suggested measures to improve the economic situation of the area**

| <u>KebeleName</u> | <u>Measure 1</u>                         | <u>Comment 1</u>                | <u>Measure 2</u>                          | <u>Comment 2</u>                | <u>Measure 3</u>                          | <u>Comment 3</u>         |
|-------------------|------------------------------------------|---------------------------------|-------------------------------------------|---------------------------------|-------------------------------------------|--------------------------|
| SEBULINA WENHARA  | Developing infrastructure (road, market) | No infrastructure               | Improving human and animal health service | Improved health services        |                                           |                          |
| BIEDAFORO         | Livestock development                    | To improve livestock production | Market places                             | No market                       | Improving human and animal health service | Improved health services |
| MOROBURI          | Developing infrastructure (road, market) | No infrastructure               | Livestock development                     | To improve livestock production |                                           |                          |
| DEBEL             | Livestock development                    | To improve livestock production | Established youth association             | No association                  | Developing infrastructure (road, market)  | No infrastructure        |
| GEFEREM           | Livestock development                    | To improve livestock production | Improving human and animal health service | Improved health services        | establish youth association               | To create income         |
| BURKA             | Developing infrastructure (road, market) | No infrastructure               | Improving human and animal health service | Improved health services        |                                           |                          |



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Wereda BURE MODAYITU

Selected Indicator

**Economic Vulnerability: Community Suggestions to Improve Economic Situation - Community suggested measures to improve the economic situation of the area**

| <u>KebeleName</u> | <u>Measure 1</u>                         | <u>Comment 1</u>                | <u>Measure 2</u>                          | <u>Comment 2</u>         | <u>Measure 3</u>          | <u>Comment 3</u>   |
|-------------------|------------------------------------------|---------------------------------|-------------------------------------------|--------------------------|---------------------------|--------------------|
| KODOE             | Developing infrastructure (road, market) | No infrastructure               | Improving human and animal health service | Improved health services |                           |                    |
| DENGELGITA        | Livestock development                    | To improve livestock production | improved infrastructure                   | No infrastructure        | access to credit services | No credit services |



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|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Community Awareness of Disaster Risk Management System and Actors

| Kebele Name | Institution 1 | Responsibility | Activity | Institution 2 | Responsibility | Activity | Institution 3 | Responsibility | Activity |
|-------------|---------------|----------------|----------|---------------|----------------|----------|---------------|----------------|----------|
|-------------|---------------|----------------|----------|---------------|----------------|----------|---------------|----------------|----------|

SEBULINA

WENHARA

|           |                   |  |                                                   |             |  |                                            |  |  |  |
|-----------|-------------------|--|---------------------------------------------------|-------------|--|--------------------------------------------|--|--|--|
| BIEDAFORO | Save the Children |  | Provision of nutrition (faffa, oil and plumpynut) | Farm Africa |  | Animal vaccination , distribution of feeds |  |  |  |
|-----------|-------------------|--|---------------------------------------------------|-------------|--|--------------------------------------------|--|--|--|

|          |    |  |    |  |  |  |  |  |  |
|----------|----|--|----|--|--|--|--|--|--|
| MOROBURI | No |  | No |  |  |  |  |  |  |
|----------|----|--|----|--|--|--|--|--|--|

|       |             |                                            |                   |  |  |                                                   |  |  |  |
|-------|-------------|--------------------------------------------|-------------------|--|--|---------------------------------------------------|--|--|--|
| DEBEL | Farm Africa | Animal vaccination , distribution of feeds | Save the Children |  |  | Provision of nutrition (faffa, oil and plumpynut) |  |  |  |
|-------|-------------|--------------------------------------------|-------------------|--|--|---------------------------------------------------|--|--|--|

|         |             |  |                                            |                   |  |                                                   |  |  |  |
|---------|-------------|--|--------------------------------------------|-------------------|--|---------------------------------------------------|--|--|--|
| GEFEREM | Farm Africa |  | Animal vaccination , distribution of feeds | Save the Children |  | Provision of nutrition (faffa, oil and plumpynut) |  |  |  |
|---------|-------------|--|--------------------------------------------|-------------------|--|---------------------------------------------------|--|--|--|

|       |    |  |  |  |  |  |  |  |  |
|-------|----|--|--|--|--|--|--|--|--|
| BURKA | No |  |  |  |  |  |  |  |  |
|-------|----|--|--|--|--|--|--|--|--|



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|--------|------|------|--------|--------|---------------|

Selected Indicator

Community Awareness of Disaster Risk Management System and Actors

| Kebele Name | Institution 1                             | Responsibility | Activity                                          | Institution 2 | Responsibility | Activity        | Institution 3 | Responsibility | Activity |
|-------------|-------------------------------------------|----------------|---------------------------------------------------|---------------|----------------|-----------------|---------------|----------------|----------|
| KODOE       | Save the Children                         |                | Provision of nutrition (faffa, oil and plumpynut) | ABDA          |                | Water provision |               |                |          |
| DENGELGITA  | There is no Government or Ngo institution |                |                                                   |               |                |                 |               |                |          |



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Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Community Perception of DRM System and Actors - Perception of the community on the effectiveness of DRM system in helping them to prevent, cope and recover from disasters

| <u>KebeleName</u> | <u>Prevention</u> | <u>Coping</u> | <u>Recovery</u> | <u>Overall Effectiveness</u>                                                                                      |
|-------------------|-------------------|---------------|-----------------|-------------------------------------------------------------------------------------------------------------------|
| SEBULINA WENHARA  | Not effective     | Not effective | Not effective   | Nothing , lack of focus and attention for the community , lack of sufficient infrastructure                       |
| BIEDAFORO         | Not effective     | Not effective | Not effective   | Lack of motivation to work in the community, lack of attention, lack of control and evaluation by management body |
| MOROBURI          | Not effective     | Not effective | Not effective   | Lack of motivation to work in the community, lack of attention, lack of control and evaluation by management body |
| DEBEL             | Not effective     | Not effective | Not effective   | Lack of motivation to work in the community, lack of attention, lack of control and evaluation by management body |



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Selected Indicator

Community Perception of DRM System and Actors - Perception of the community on the effectiveness of DRM system in helping them to prevent, cope and recover from disasters

| <u>KebeleName</u> | <u>Prevention</u> | <u>Coping</u> | <u>Recovery</u> | <u>Overall Effectiveness</u>                                                                                      |
|-------------------|-------------------|---------------|-----------------|-------------------------------------------------------------------------------------------------------------------|
| GEFEREM           | Not effective     | Not effective | Not effective   | Lack of motivation to work in the community, lack of attention, lack of control and evaluation by management body |
| BURKA             | Not effective     | Not effective | Not effective   | lack of attention from Woreda administration body and NGOs and lack of motivation to work in the community        |
| KODOE             | Not effective     | Not effective | Not effective   | Lack of motivation to work in the community, lack of attention, lack of control and evaluation by management body |
| DENGELGITA        | Not effective     | Not effective | Not effective   | Lack of motivation to work in the community, lack of attention, lack of control and evaluation by management body |



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**Region** AFAR **Zone** ZONE 3 **Wereda** BURE MODAYITU

Selected Indicator

**Major Public Interventions Desired - Percentage of households by type of intervention desired**

**Major public interventions desired by the community** **Degree of Importance for the community**

|                                                    | 1st   | 2nd   | 3rd   |
|----------------------------------------------------|-------|-------|-------|
| Better job                                         | 35.86 | 11.52 | 8.09  |
| Cash transfers/social assistance                   | 4.71  | 1.83  | 1.31  |
| Cash-for-work activities (not employment)          | 0.26  | 0.26  | 1.31  |
| Food-for-work activities                           | 1.57  | 6.81  | 15.40 |
| Medical assistance / access to health facilities   | 1.57  | 10.21 | 10.18 |
| Micro-credit programmes                            | 0.26  | 4.45  | 6.79  |
| Other                                              | 0.52  | 0.52  | 0.78  |
| Rental subsidies                                   | 0.00  | 0.79  | 0.00  |
| Subsidized food                                    | 1.05  | 4.71  | 7.57  |
| Subsidized health care                             | 2.62  | 8.38  | 14.36 |
| Supplementary feeding for women and young children | 4.45  | 18.06 | 16.71 |
| Food aid                                           | 46.60 | 19.90 | 4.96  |
| less rainfall                                      | 0.52  | 12.57 | 12.53 |

# **WDRP Indicators**

## **Other Community Characteristics**



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|---------------|------|-------------|--------|---------------|---------------|
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Capacity: Community Based Organizations in the Wereda

| <u>Kebele Name</u>  | <u>Name Of Organization</u> | <u>Est. Year</u> | <u>Formal/Informal</u> | <u>Type of Members</u> | <u>Activity</u>    |
|---------------------|-----------------------------|------------------|------------------------|------------------------|--------------------|
| SEBULINA<br>WENHARA | Agolab                      | 2001             | Formal                 |                        |                    |
| BIEDAFORO           |                             |                  | Formal                 |                        |                    |
| MOROBURI            | No                          |                  | Formal                 |                        |                    |
| DEBEL               | Youth Association           | 2003             | Formal                 | youth                  |                    |
| GEFEREM             | Female association          | 1998             | Formal                 | Female                 | Female association |
| BURKA               | No                          |                  | Formal                 |                        |                    |
| KODOE               | No                          |                  | Formal                 |                        |                    |
| DENGELGITA          | Youth association           | 2003             | Formal                 | youth                  |                    |



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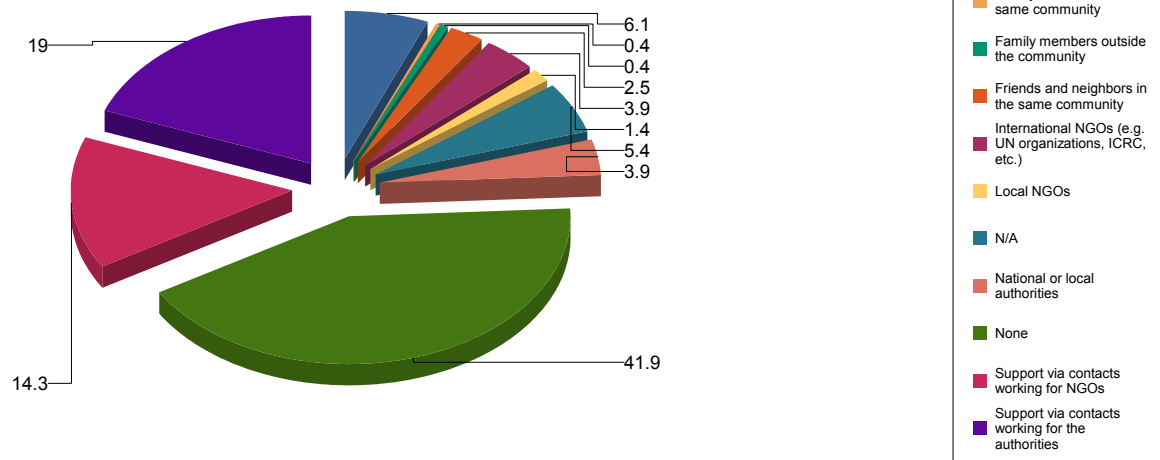
Region AFAR Zone ZONE 3 Wereda BURE MODAYITU

Selected Indicator

Supporting Agencies against Disasters - Percentage of households by supporting institutions to handle or recover from disaster damages

| Supporting Agencies Against Disasters                  | Response Percentage |
|--------------------------------------------------------|---------------------|
| National or local authorities                          | 3.94                |
| International NGOs (e.g. UN organizations, ICRC, etc.) | 3.94                |
| Local NGOs                                             | 1.43                |
| Family members in the same community                   | 0.36                |
| Friends and neighbors in the same community            | 2.51                |
| Family members outside the community                   | 0.36                |
| Support via contacts working for the authorities       | 19.00               |
| Support via contacts working for NGOs                  | 14.34               |
| None                                                   | 41.94               |
| DK                                                     | 6.09                |
| N/A                                                    | 5.38                |

Supporting Agencies Against Disasters





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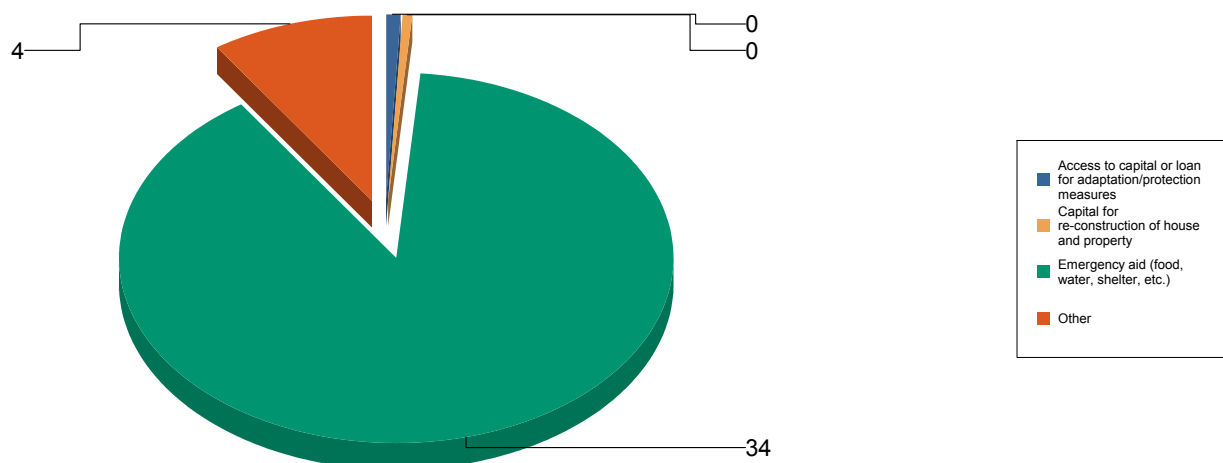
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|
|--------|------|------|--------|--------|---------------|

Selected Indicator

Types of support received by households during disasters

| Type of Support Provided By Supporting Agencies              | Response Percentage |
|--------------------------------------------------------------|---------------------|
| Emergency aid (food, water, shelter, etc.)                   | 34.08               |
| Capital for re-construction of house and property            | 0.28                |
| Access to capital or loan for adaptation/protection measures | 0.28                |
| Other                                                        | 3.66                |

Type of Support Provided By Supporting Agencies





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|--------|------|------|--------|--------|---------------|

Selected Indicator

Government Actors in the Field of Disaster Risk Management - Government actors and their activities in the field of Disaster Risk Managements

| Government Institution           | Activity           | Description  | Activity                               | Description | Activity    | Description    | Activity | Description |
|----------------------------------|--------------------|--------------|----------------------------------------|-------------|-------------|----------------|----------|-------------|
| Children, Youth and Women Office | Creating awareness | preparedness | Distribution of mosquito net and drugs | prevention  | Vaccination | for prevention |          |             |



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|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Non-Government Actors in the Field of Disaster Risk Management -  
Non-government actors and their activities in the field of Disaster Risk  
Management

| <u>Non Governmental Actors<br/>in the Wereda</u>   | <u>Activities</u>                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------|
| UNICEF                                             | Support school materials                                                                         |
| WFP                                                | School feeding                                                                                   |
| Save the children                                  | Nutrition (Fafa , oil, plump nut )                                                               |
| Care Ethiopia                                      | Hygiene and sanitation in selected schools                                                       |
| AMREF (African Medical<br>and research Foundation) | Malaria control, vaccination ( immunization ), health materials,<br>reproductive health training |



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|        |      |      |        |        |               |
|--------|------|------|--------|--------|---------------|
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|

Selected Indicator: Interventions: Community Suggestions to Development Actors

|             |                  |
|-------------|------------------|
| Kebele Name | SEBULINA WENHARA |
|-------------|------------------|

|                         |                          |                         |
|-------------------------|--------------------------|-------------------------|
| Type Of Disaster 1      | Drought                  | Type Of Disaster 3      |
| Early Warning Indicator | Migration to better area | Early Warning Indicator |
| Preparedness Measure    | Animal disease           | Preparedness Measure    |
| Type Of Disaster 2      | No things                | Type Of Disaster 4      |
| Early Warning Indicator |                          | Early Warning Indicator |
| Preparedness Measure    |                          | Preparedness Measure    |

|             |           |
|-------------|-----------|
| Kebele Name | BIEDAFORO |
|-------------|-----------|

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| Type Of Disaster 1      | Drought                 | Type Of Disaster 3      |
| Early Warning Indicator | Migration               | Early Warning Indicator |
| Preparedness Measure    | Human disease           | Preparedness Measure    |
| Type Of Disaster 2      | Using cultural medicine | Type Of Disaster 4      |
| Early Warning Indicator |                         | Early Warning Indicator |
| Preparedness Measure    |                         | Preparedness Measure    |

|        |      |      |        |        |               |
|--------|------|------|--------|--------|---------------|
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|

Selected Indicator: Interventions: Community Suggestions to Development Actors

|             |          |
|-------------|----------|
| Kebele Name | MOROBURI |
|-------------|----------|

|                         |                          |                         |
|-------------------------|--------------------------|-------------------------|
| Type Of Disaster 1      | Drought                  | Type Of Disaster 3      |
| Early Warning Indicator | Migration to better area | Early Warning Indicator |
| Preparedness Measure    | Human disease            | Preparedness Measure    |
| Type Of Disaster 2      | Using cultural medicine  | Type Of Disaster 4      |
| Early Warning Indicator |                          | Early Warning Indicator |
| Preparedness Measure    |                          | Preparedness Measure    |

|             |       |
|-------------|-------|
| Kebele Name | DEBEL |
|-------------|-------|

|                         |                                               |                         |
|-------------------------|-----------------------------------------------|-------------------------|
| Type Of Disaster 1      | Drought                                       | Type Of Disaster 3      |
| Early Warning Indicator | Nothing                                       | Early Warning Indicator |
| Preparedness Measure    | Flood                                         | Preparedness Measure    |
| Type Of Disaster 2      | Construction of dam using soil and stone bund | Type Of Disaster 4      |
| Early Warning Indicator |                                               | Early Warning Indicator |
| Preparedness Measure    |                                               | Preparedness Measure    |

|        |      |      |        |        |               |
|--------|------|------|--------|--------|---------------|
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|

Selected Indicator: Interventions: Community Suggestions to Development Actors

|                         |                              |                         |  |
|-------------------------|------------------------------|-------------------------|--|
| Kebele Name             |                              | GEFEREM                 |  |
| Type Of Disaster 1      | Drought                      | Type Of Disaster 3      |  |
| Early Warning Indicator | Migration to better area     | Early Warning Indicator |  |
| Preparedness Measure    | Flood                        | Preparedness Measure    |  |
| Type Of Disaster 2      | Traditional dam construction | Type Of Disaster 4      |  |
| Early Warning Indicator |                              | Early Warning Indicator |  |
| Preparedness Measure    |                              | Preparedness Measure    |  |

|                         |                                 |                         |  |
|-------------------------|---------------------------------|-------------------------|--|
| Kebele Name             |                                 | BURKA                   |  |
| Type Of Disaster 1      | Drought                         | Type Of Disaster 3      |  |
| Early Warning Indicator | Reprot to Woreda administration | Early Warning Indicator |  |
| Preparedness Measure    | Animal disease                  | Preparedness Measure    |  |
| Type Of Disaster 2      | Report to Woreda administration | Type Of Disaster 4      |  |
| Early Warning Indicator |                                 | Early Warning Indicator |  |
| Preparedness Measure    |                                 | Preparedness Measure    |  |

|        |      |      |        |        |               |
|--------|------|------|--------|--------|---------------|
| Region | AFAR | Zone | ZONE 3 | Wereda | BURE MODAYITU |
|--------|------|------|--------|--------|---------------|

Selected Indicator: Interventions: Community Suggestions to Development Actors

|                         |                          |                         |  |
|-------------------------|--------------------------|-------------------------|--|
| Kebele Name             |                          | KODOE                   |  |
| Type Of Disaster 1      | Drought                  | Type Of Disaster 3      |  |
| Early Warning Indicator | Migration to better area | Early Warning Indicator |  |
| Preparedness Measure    | Human disease            | Preparedness Measure    |  |
| Type Of Disaster 2      | Using cultural medicine  | Type Of Disaster 4      |  |
| Early Warning Indicator |                          | Early Warning Indicator |  |
| Preparedness Measure    |                          | Preparedness Measure    |  |

|                         |                                 |                         |  |
|-------------------------|---------------------------------|-------------------------|--|
| Kebele Name             |                                 | DENGELGITA              |  |
| Type Of Disaster 1      | Drought                         | Type Of Disaster 3      |  |
| Early Warning Indicator | Report to government            | Early Warning Indicator |  |
| Preparedness Measure    | Disease                         | Preparedness Measure    |  |
| Type Of Disaster 2      | Report to Woreda administration | Type Of Disaster 4      |  |
| Early Warning Indicator |                                 | Early Warning Indicator |  |
| Preparedness Measure    |                                 | Preparedness Measure    |  |



Data Collected Date

Thursday, September 18, 2014

|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Wereda Strengths, weaknesses, opportunitites and treats (SWOT) Analysis

| <u>Kebele Name</u>  | Strength                | Weakness                                             | Opportunity                                                        | Threat                                                                                                             |
|---------------------|-------------------------|------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| SEBULINA<br>WENHARA | High social interaction | Lack of awareness<br>Social problems<br>Illiteracy   | Irrigation from Awash River                                        | Increased severity of disaster<br>Lack of attention and focus from administrative body                             |
| BIEDAFORO           | High social interaction | Lack of awareness<br>Social problems<br>Illiteracy   | Irrigation from Awash River<br>Suitable infrastructure development | increased serviette of disasters<br>Administration problems                                                        |
| MOROBURI            | High social interaction | Ill literacy<br>Social problems<br>Lack of awareness | Irrigation from Awash River<br>Large suitable land for irrigation  | increasing of drought                                                                                              |
| DEBEL               | High social interaction | lack of awareness<br>Social problems ( conflict )    | Irrigation<br>Infrastructure                                       | increasing services, drought<br>Lack of attention and focus from concerned body<br>New disaster ( human diseases ) |
| GEFEREM             | High social interaction | Lack of awareness<br>Social problems                 | Near to river<br>Access to infrastructure                          | Lack of attention from government<br>Desert expansion                                                              |



# Wereda Disaster Risk Profile

## Disaster Risk Management and Food Security Sector (DRMFSS)



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|               |      |             |        |               |               |
|---------------|------|-------------|--------|---------------|---------------|
| <u>Region</u> | AFAR | <u>Zone</u> | ZONE 3 | <u>Wereda</u> | BURE MODAYITU |
|---------------|------|-------------|--------|---------------|---------------|

Selected Indicator

Wereda Strengths, weaknesses, opportunitites and treats (SWOT) Analysis

| <u>Kebele Name</u> | Strength                                               | Weakness                                              | Opportunity                                                                                                     | Threat                                                                                                          |
|--------------------|--------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| BURKA              | Cultural cooperation and participation among community | Social problems<br>Lack of awareness<br>Illiteracy    | Near to Harso river<br>Suitable land for cultivation of crops<br>Suitable range land for livestock production   | increased the severity of drought<br>Over grazing<br>Highly distribution of prosopis species in the range lands |
| KODOE              | High social interaction                                | Lack of awareness ( not educated )<br>Social problems | Availability of awash river for irrigation<br>Near to main road (Ethio-Djibouri road) and access to electricity | Increasing a drought<br>Lack of attesting and focus from governmental institutions                              |
| DENGELGITA         | Cooperation and participation among community          | Illiteracy<br>Lack of awareness<br>Social problems    | Near to Harso river in winter season<br>Dam construction<br>Road construction                                   | Increasing severity of disaster drought                                                                         |