**Geshiyaro Open Defecation Free (ODF) Assessment Survey 2019**

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**Use of Sponsor Names:**

This project is sponsored by The Children’s Investment Fund Foundation (CIFF) and is implemented in partnership with World Vision Ethiopia and the Federal Ministry of Health.

**Disclaimer:**

The Geshiaro [Protocol for monitoring and evaluating the Elimination of Open Defecation in Wolaita Zone, Ethiopia] is intended as a useful resource for [EPHI/LCNTDR/CIFF] associated with the [Evaluation of the Geshiaro project].

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# Executive Summary

Open Defecation Free (ODF) is defined primarily and most basically as the absence of the practice of open defecation (OD) in a prescribed community. Implicitly it means that all members of that community have access to and are using a latrine. Communities free of open defecation practices and with improved sanitation is a desired goal for the Geshiyaro project as the transmission of soil-transmitted helminths (STH) and schistosomiasis thrives in unsanitary conditions.

The specific ODF verification survey objectives are:

* Total elimination of open defecation practices.
* 100% coverage of latrine use.
* Improved personal, household and environmental hygiene through education.
* Increased ownership and sustainability of hygiene and sanitation activities through education.
* Contribution to reduction in sanitation related diseases.

For the Geshiyaro project, ODF status had been declared and verified in 12 out of 32 kebeles (40%) in Bolosso Sore district at three levels - the woreda (district), kebele (community) by World Vision Ethiopia (WVE). An independent team from the Ethiopian Public Health Institute (EPHI), with support from the London Centre for Neglected Tropical Disease Research (LCNTDR), carried out evaluation of ODF verification in the 12 kebeles. Overall 30% of the total number of households in each kebele (a total of 3,548 households across all 12 kebeles) were earmarked for survey. In addition, all schools, health facilities, religious centres were observed for the presence of functional latrines, handwashing facilities and evidence of open defecation. Open areas, such as sport fields, and previous open defecation sites were observed for evidence of faeces. The presence of functional community latrines was also assessed.

Of the 3286 households visited during ODF evaluation, 3161 (96%) had functional latrines. 67% of the households without latrines fell within three kebeles (Basa Gofara, Dachi Gofara, Gara Goda and Tiyo Hembecho). Reporting latrine use in households without latrines, some of these households admitted to defecating in the surrounding bushes or burying their faeces. All health facilities had latrines that were functional. However, six out of seven religious centres, and three out of 19 schools did not have latrines. There was evidence of both fresh and dry faeces in public areas, mostly by the road side, with Gara Goda and Admancho Arfita kebeles recording the most episodes.

# Background to the ODF survey

Eliminating Open Defecation (OD) is increasingly seen as a key health outcome, with links to reduced stunting, improved educational attainment and positive health outcomes for children. Poor sanitation and hygiene conditions are among the major causes of public health problems in Ethiopia. According to the Ministry of Health’s Health and Health Related Indicators, 40 percent of Ethiopians lack access to sanitation facilities. Even where toilets do exist, many are not used, meaning that OD is common. Unsanitary environmental conditions resulting from this practice contribute to high rates of diarrhoea disease-related morbidity and mortality. As a result, the Government of Ethiopia has been promoting universal sanitation coverage to ensure a better quality of health nationwide.

This goal is reflected in the Community Led Total Sanitation and Hygiene (CLTSH) program that is presently being promoted by the Government as one of the major strategies for scaling up sanitation development. It is setting ambitious scale-up targets for elimination of OD in rural areas which include not only safe disposal of faeces but handwashing facilities and cleanliness education. The Geshiyaro project operates in one zone in Ethiopia (Wolaita) and aims to both eliminate intestinal worms through mass drug administration and improve Water Sanitation and Hygiene (WaSH) interventions. There are two major outcomes of the WaSH implementation; total elimination of OD through behavioural change communication and CLTSH, and ultimately the provision of safe water and improved latrines.

Implementation of WaSH in the Geshiyaro project is being led by World Vision Ethiopia (WVE). Their approach focuses mainly on achieving sustained behaviour change through motivation and mobilisation of communities to understand the risks associated with OD. For behaviour change, a range of education materials such as posters, flip charts, handbooks and information cards are being used to communicate the importance of achieving ODF status in the target kebeles. The community mobilisation efforts focus on assisting communities working together to motivate all individuals in a kebele to understand the health risks associated with OD and use – ‘disgust, shame and fear’ - as triggers to promote actions that ultimately lead to construction and use of locally built household latrines with financial loans to purchase latrine slabs if necessary. Handwashing facilities (water and soap/ash) have been strongly recommended to be placed close to latrines. Community latrines are being provided through the kebele health units.

The Geshiyaro project aims to eliminate intestinal worms through the following WaSH interventions in Year 1 (2018/2019):

1. 40% of all communities to achieve ODF status (12 out of 32 kebeles in Bolosso Sore District) by April 2019, as assessed by this protocol.

2. 70% of the population access to protected water sources by June 30th 2019.

3. 20% of the community to have access to basic improved sanitation by June 30th 2019.

Overall, there were seven questionnaires employed in the ODF verification survey; namely,

1. Process monitoring survey to collect sanitation and WaSH indices of the communities;
2. Kebele observation to observe OD practices within the kebeles;
3. Household observation to capture latrine ownership and use within the households;
4. School Observation
5. Health facility Observation
6. Religious Centre Observation to capture availability and use of latrines at religious centres such as churches;
7. Other Verification methods were used to capture images and location of evidence of OD within the communities.

# ODF survey data collection methods

## Site selection

One of the Year 1 gating targets for the Geshiyaro project was ODF verification in 40% of communities in Bolosso Sore district. These communities were first verified at the kebele level by the kebele administration team; then at the woreda level, and finally confirmed by WVE. As part of the independent monitoring and evaluation of the project all 12 kebeles that were declared ODF by WVE were assessed by the evaluation team (EPHI/LCNTRD) for ratification of their ODF status.

The list of 12 kebeles below were provided by WVE and declared ODF:

|  |  |
| --- | --- |
| 1 | Tiye Hembecho |
| 2 | Wormuma |
| 3 | Basa Gofera |
| 4 | Gara Godu |
| 5 | Achura Mazegaja |
| 6 | Dachi Gofera |
| 7 | Dubo |
| 8 | Korkie Dogie |
| 9 | Afama Mino |
| 10 | Dola |
| 11 | Gurmo Mazegaja |
| 12 | Admancho Arfita |

## Field methods

Training of survey teams was held from 5-7th April. A total of 20 enumerators were trained using a detailed training manual which was an adaptation from the approved EPHI/LCNTRD ODF protocol. Enumerators were taught how to use Survey CTO for data collection. The purposes of the survey were explained, and the importance of data integrity made clear. During the training, the enumerators were divided into groups and practiced interviews through role-play. All the enumerators had one-to-one sessions with the training facilitators for practice of the questionnaires and different possible scenarios which they may encounter in the field. For deployment for field survey, enumerators were grouped into five teams of four individuals per team. One enumerator was designated as team leader per team based on competence during the training. While in the field, selection of households for the household survey was performed using the modified random walk procedure. The first household was determined using the traditional ‘spin the bottle’ method as described in the protocol.

## Ethical considerations

Each kebele was informed of the intended activity days before the survey. Upon arrival in the kebele, the evaluation team met with the kebele leader and obtained verbal permission to carry-on with the survey. The kebele leader provided local guides to the evaluation teams (i.e. one guide per survey team). Verbal consent was obtained from an adult before any household, health centre, religious centre or school was included in the survey.

# Data cleaning

## Comparison to protocol

The survey adhered to all recommendations in the protocol, however, after day 1 of fieldwork, the evaluation team realised that some households surveyed did not have latrines. As it is important to capture how/where these households disposed of their faeces, we added an extra question for where they go to relieve themselves if they did not have latrines within their households.

# Results

## Summary tables

### Community survey results

The table below records the total number of households in the surveyed kebeles and the number of community latrines. As the time of reporting, we provide data for six out of 12 kebeles. A more complete list will be provided when all data has been synced on the database.

|  |  |  |
| --- | --- | --- |
| **Kebele** | **Number of households** | **Reported number of community latrines** |
| Korke Doge | 1438 | 18 |
| Adama Mino | 1200 | 11 |
| Dache Gofara | 1031 | 4 |
| Admancho Arfita | 1219 | 4 |
| Wormmuma | 1310 | 9 |
| Dola | 850 | 13 |

### ODF promotion activities

The table below is a list of training material that were used for ODF promotion activities within the kebeles. As the time of reporting, we have data for 6 out of 12 kebeles.

|  |  |
| --- | --- |
| **Kebele** | **Training material** |
| Korke Doge | Information card |
| Adama Mino | Posters |
| Dache Gofara | Posters |
| Admancho Arfita | Information card |
| Wormmuma | Posters, Information card |
| Dola | Posters |

### School health/hygiene education activities

The table below describes ODF activities in primary and secondary schools in the kebeles surveyed. All schools within the surveyed community participated in the interviews. Four schools educated the pupils on ODF practices through both the school’s curriculum and a WaSH club. Gara Goda primary school did not have any form of ODF promotion activity.

|  |  |  |
| --- | --- | --- |
| **Name of school** | **Kebele** | **Activity** |
| Dijala mulu primary | Tiyo Hembecho | Both curriculum and WASH club |
| Wormmuma gasho | Wormmuma | Curriculum |
| Achura mazagaja primary | Achura mazagaja | Curriculum |
| Achura mazagaja secondary | Achura mazagaja | Curriculum |
| Tiyo hembecho primary | Tiyo hembecho | Curriculum |
| Dolla junior primary | Dolla | Both curriculum and WASH club |
| Gara Goda primary | Gara Goda | No activity |
| Gara ediget | Gara Goda | Curriculum |
| Lome kae primary | Dubbo | No activity |
| Afama mino primary | Afama mino | No activity |
| Dachi gofara primary | Dachi gofara | WASH club |
| Admancho arfita primary | Admancho arfita | WASH club |
| Newase primary | Basa Gofara | WASH club |
| Korke KG secondary | Korke Doge | Both curriculum and WASH club |
| Korke primary | Korke Doge | WASH club |
| Gurmo koysha secondary | Gurmo Koysha Mazegaja | Both curriculum and WASH club |
| Gurmo koysha primary | Gurmo Koysha Mazegaja | WASH club |

### Health care facility education activities

The table below is a list of training material that were used for ODF promotion activities in Health facilities within the kebeles. All health centres/post in the surveyed communities participated in the interviews.

|  |  |
| --- | --- |
| **Kebele** | **Activity** |
| Korke Doge | Handbooks |
| Adama Mino | Posters |
| Dache Gofara | Flip charts, Information cards |
| Tiyo Hembercho | Flip charts |
| Wormmuma | Flip charts, Handbooks, Information cards, Posters |
| Achura Mazegaja | Flip charts, Handbooks |
| Gurmo Koysha Mazegaja | Flip charts, Handbooks, Posters |
| Dola | Flip charts, Handbooks, Information cards, Posters |

### Household observations

The table below describes the results from household observation on presence of latrines and handwashing facilities in the 12 kebeles surveyed. Although all the kebeles had over 90% of households with latrine, there was presence of faeces around some of the households. Adama Mino and Dachi Gofara were the kebeles with the lowest proportion of households with handwashing facilities near/close to latrines, 22.45 and 36.45% respectively.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Kebele** | **Total number of HHs in Kebele (From Geshiyaro census)** | **Number of HHs to survey (30% of total)** | **Number of HHs surveyed** | **Number of HHs with latrine** | **Proportion of HHs with latrine (%)** | **Number of HHs without latrines** | **Proportion of HHs without latrine (%)** | **Number of visible faeces around HHs Wet (Dry)** | **Availability of handwashing facilities** | **Proportion of latrines with handwashing facilities (%)** |
| Korke Doge | 1334 | 401 | 339 | 337 | 99.41 | 2 | 0.59 | 13(2) | 214 | 63.5 |
| Adama Mino | 1437 | 431 | 410 | 410 | 100 | 0 | 0 | 17(13) | 86 | 22.45 |
| Basa Gofrara | 1162 | 349 | 342 | 328 | 95.90 | 14 | 4.26 | 1(1) | 229 | 69.82 |
| Dachi Gofara | 975 | 293 | 225 | 214 | 95.11 | 11 | 5.14 | 5(6) | 78 | 36.45 |
| Gara Goda | 1276 | 383 | 386 | 367 | 95.07 | 19 | 5.17 | 11(5) | 168 | 45.78 |
| Admancho Arfita | 1400 | 420 | 397 | 390 | 98.23 | 7 | 1.79 | 3(9) | 244 | 62.56 |
| Tiyo Hembecho | 739 | 222 | 216 | 205 | 94.90 | 11 | 5.36 | 0(4) | 111 | 54.15 |
| Wormmuma | 905 | 272 | 264 | 259 | 98.11 | 5 | 1.93 | 0(0) | 145 | 59.67 |
| Achura Mazegaja | 698 | 210 | 181 | 173 | 95.58 | 8 | 4.62 | 1(3) | 76 | 43.93 |
| Gurmo Koysha Mazegaja | 510 | 153 | 130 | 126 | 96.92 | 4 | 3.17 | 0(0) | 96 | 76.19 |
| Dola | 872 | 262 | 240 | 240 | 100 | 0 | 0 | 7(1) | 205 | 85.42 |
| Dubbo | 506 | 152 | 156 | 155 | 99.35 | 1 | 0.64 | 20(0) | 78 | 50.32 |

### Religious centre observations

From the table below, not all religious centres had dedicated latrines.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Kebele** | **Total number of churches** | **Number of churches with latrines** | **Number of clean church latrines** | **Number of separate latrines for men and woman** |
| Adama Mino | 7 | 6 | 4 | 3 |
| Basa Gofara | 12 | 9 | 6 | 6 |
| Dache Gofara | 7 | 5 | 4 | 3 |
| Gara Goda | 13 | 9 | 7 | 6 |
| Admancho Arfita | 15 | 11 | 8 | 7 |
| Wormmuma | 5 | 3 | 3 | 2 |
| Achura Mazagaja | 8 | 4 | 4 | 4 |
| Gurmo Koysha Mazagaja | 5 | 4 | 4 | 1 |
| Dola | 13 | 7 | 7 | 6 |
| Dubbo | 3 | 2 | 2 | 1 |

### Schools observations

All schools in Achura Mazagaja and 1 school from Wormmuma did not have latrines. All other schools had latrines that were also dedicated to either boys or girls.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Kebele** | **Number of schools surveyed** | **Number of pupil’s enrolled boys(girls)** | **Number of latrines** | **Number of separate latrines for boys and girls\*** | **Pupil: Latrine ratio** | **Number of clean latrines** |
| Korke Doge | 2 | 974 (827) | 2 | 2 | 487:1 (boys) 414:1(girls) | 2 |
| Adama Mino | 2 | 1429(993) | 2 | 2 | 714:1(boys) 497:1(girls) | 1 |
| Basa Gofara | 1 | 490(482) | 1 | 1 | 490:1(boys) 482:1(girls) | 1 |
| Dache Gofara | 1 | 676(446) | 1 | 1 | 676:1(boys) 446:1(girls) | 1 |
| Gara Goda | 2 | 327(401) | 2 | 1 | 327:1(boys) 401:1(girls) | 0 |
| Admancho Arfita | 1 | 477(393) | 1 | 1 | 477:1(boys) 393:1(girls) | 1 |
| Tiyo Hembecho | 2 | 1116(1002) | 2 | 2 | 558:1(boys) 501:1(girls) | 2 |
| Wormmuma | 3 | 491(433) | 2 | 1 | 491:1(boys) 433:1(girls) | 2 |
| Achura Mazagaja | 2 | 2(2) | 0 | 0 | N/A | 0 |
| Gurmo Koysha Mazagaja | 2 | 1392(993) | 2 | 2 | 696:1(boys) 497:1(girls) | 2 |
| Dola | 1 | 634(481) | 1 | 1 | 634:1(boys) 481:1(girls) | 1 |

\*The UNICEF recommended pupil: latrine ratio is 25:1 (girls) and 30:1 (boys).

### Health centre observations

All health care centres had clean latrines and separate latrines for staff and patients.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Kebele** | **Total number of health facilities** | **Presence of latrines** | **Are the latrines clean (%)** | **Are the separate latrines for staff and patients (%)** |
| Korke Doge | 1 | 1 | 100 | 100 |
| Adama Mino | 1 | 1 | 100 | 100 |
| Dache Gofara | 2 | 2 | 100 | 100 |
| Tiyo Hembecho | 1 | 1 | 100 | 100 |
| Wormmuma | 2 | 2 | 100 | 100 |
| Achura Mazagaja | 1 | 1 | 100 | 100 |
| Gurmo Koysha Mazagaja | 2 | 2 | 100 | 100 |
| Dola | 1 | 1 | 100 | 100 |

### List of kebeles with evidence of open defecation

The table below is a list of kebeles with evidence of open defecation, number of recorded instances of open defecation and the location. A complete list which includes weblinks to stool photo as recorded during the field survey is attached in Annex 1. Majority of the recorded open defecation instances were in Afama Mino and Gara Goda. Overall, the location of these stool encounters was by the road side.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Kebele** | **Total** | **By the road** | **Community fields** | **Around school property** | **By the river** | **Sports field** | **Around market** | **Other** |
| Korke Doge | 8 | 3 | 3 | 0 | 0 | 1 | 1 | 0 |
| Afama Mino | 49 | 22 | 23 | 0 | 3 | 0 | 0 |  |
| Basa Gofara | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dache Gofara | 12 | 7 | 3 | 0 | 2 | 0 | 0 | 0 |
| Gara Goda | 16 | 7 | 4 | 2 | 2 | 0 | 0 | 1 |
| Admancho Arfita | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 1 |
| Tiyo Hembecho | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wormmuma | 3 | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
| Achura Mazagaja | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gurmo Koysha Mazegaja | 6 | 5 | 0 | 1 | 0 | 0 | 0 | 0 |
| Dubbo | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |

# Discussion

The ODF verification survey was carried out in 12 out of 32 kebeles pre-selected by WVE. Community, school, health facility, religious centre and household observations and interviews were carried out within these kebeles.

From the preliminary survey results analysed, there was a good presence of functional latrines in a large proportion of schools, health centres, and religious centres. In the households surveyed, there was also good latrine coverage as well as evidence of handwashing infrastructure (bottles of water tied in strings and presence of soap or ash). However, 82 households did not have latrines. Of those, 12 households reported to either defecating in the surrounding bushes (4 households) or burying their faeces (8 households).

In the kebele observations, there was considerable evidence of OD, mainly by the roadside and by water bodies around the communities. In total 113 stools were recorded. It is not possible to know whether the road-side faeces were caused by passing travellers. However, there presence emphasised the need for the community to provide community-latrines to avoid such contamination. The stools around the water bodies have implications for schistosomiasis transmission.

There has been ODF promotion activities through the government curriculum and after-school WaSH clubs which have been initiated by the ministry of education in schools. However, from the focus group discussions it seemed that these often did not take place and there was not much momentum for the initiative. This would be an excellent platform to achieve behaviour change, not only among children but also children often bring educational messages home to the rest of the family. The coverage of latrines in schools did not meet UNICEF’s sanitation recommendations and there are currently large numbers of pupils using few latrines, with schools in Achura Mazagaja and Gara Goda having no latrines at all. This is an issue we would recommend addressing in Year 2.

For households without a latrine recorded in this survey, we are following up to better understand their defecation behaviour. We are also exploring the option of making maps of these households as well as the recorded OD sites to identify any possible correlations between the two and better understand the spatial clustering of open defecation site. This will help inform the location of community latrines in other to reduce open defecation practices.

There have been measurable improvements in latrine coverage in households from the baseline census in October-November 2018 to the current survey activity in April 2019, with less than 10% of households reporting ‘no latrine’ in all the surveyed kebeles compared with 31% at baseline in some kebeles.

One of the challenges in the ODF survey was lack of clarity about where, when and who had verified ODF within the implementation team. Going forward for Year 2 the evaluation team would request clear and timely information on exactly which kebeles ODF have been verified, by what date and by whom, and by what methods. This will help understand the time lag between verification and when the assessment of this occurs, which has an impact on the definition of the freshness of faeces seen in the community and households. A clearer definition of ODF and the thresholds for improvements per year are ideally required from CIFF and WVE. Behaviour change communication is a necessary component of ODF, which should have occurred with the ODF intervention. Going forward it would be useful to capture this in the assessment. There was no information given by the implementers on what BCC had occurred, if any, and again in Year 2 it would make the program even more effective to understand activities carried out and the impact these have had as they are integral to achieving ODF. Finally, information on handwashing was captured here to feedback back into the program. Although there was good coverage of this, there are still households and schools where handwashing facilities were absent. There are currently no deliverables for handwashing, yet this is an important factor for STH transmission as well as other diarrhoeal diseases. If transmission interruption is to be achieved, it would be worth considering this as a targeted deliverable.

# Annex 1

## List of open defecation sites (including weblink to stool photos)

|  |  |  |  |
| --- | --- | --- | --- |
| **Kebele** | **No. of OD** | **Location** | **Weblink to stool photo** |
| Korke Doge | 8 | Sports field(1), Around market(1), Community field(3), By road(3) | https://geshiaroeval.surveycto.com/view/submission-attachment/1555060669788.jpg?blobKey=57 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554952752747.jpg?blobKey=58 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555059392415.jpg?blobKey=59 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555057922394.jpg?blobKey=60 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555057200374.jpg?blobKey=62 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555060869084.jpg?blobKey=63 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555060936262.jpg?blobKey=65 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555142506795.jpg?blobKey=84 |
|  |  |  |  |
| Adama Mino | 49 | Community field(23), By river(3), By road(22), other(1) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554822112202.jpg?blobKey=24 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554819718209.jpg?blobKey=31 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554888582212.jpg?blobKey=34 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554821197553.jpg?blobKey=35 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554889311780.jpg?blobKey=38 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554892152072.jpg?blobKey=40 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554886363235.jpg?blobKey=44 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554888983367.jpg?blobKey=45 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554891859862.jpg?blobKey=47 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554896850734.jpg?blobKey=48 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554896892099.jpg?blobKey=49 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554896959746.jpg?blobKey=50 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554886437323.jpg?blobKey=51 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554887706362.jpg?blobKey=52 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554888713816.jpg?blobKey=53 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555140196581.jpg?blobKey=69 |
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| Basa Gofarta | 2 | By road(1), Other(1) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554974603587.jpg?blobKey=32 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554977759476.jpg?blobKey=61 |
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| Dache Gofara | 12 | Community field (3), By river(2), By road(7) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554794905244.jpg?blobKey=11 |
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|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555121254250.jpg?blobKey=114 |
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| Gara Goda | 16 | Around school property(2), Community field(4), By river(2), By road(7), other(1) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554799136153.jpg?blobKey=10 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554795319066.jpg?blobKey=12 |
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|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555251900038.jpg?blobKey=81 |
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| Admancho Arfita | 7 | Community field(1), By road(5), Other (1) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554721061802.jpg?blobKey=5 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554715686332.jpg?blobKey=6 |
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| Tiyo Hembecho | 2 | By road(2) | https://geshiaroeval.surveycto.com/view/submission-attachment/1555058647333.jpg?blobKey=64 |
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| Wormmuma | 3 | By river(2), By road(1) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554887034053.jpg?blobKey=36 |
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| Achura Mazagaja | 2 | By road(2) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554970655624.jpg?blobKey=33 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554973280984.jpg?blobKey=37 |
|  |  |  |  |
| Gurmo Koysha Mazegaja | 6 | Around market(1), By road(5) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554974717648.jpg?blobKey=43 |
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|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1555141753524.jpg?blobKey=119 |
|  |  |  |  |
| Dubbo | 4 | Community field(1), By road(3) | https://geshiaroeval.surveycto.com/view/submission-attachment/1554970038804.jpg?blobKey=46 |
|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554972220841.jpg?blobKey=54 |
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|  |  |  | https://geshiaroeval.surveycto.com/view/submission-attachment/1554973979272.jpg?blobKey=56 |

# Annex 2

## Questionnaire from Geshiyaro ODF protocol

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Environmental observation** | | | | |
| *Community* | | **Yes** | **No** | **Remarks** |
| **Household observation** | | | | |
| Take GPS point at the household | | | | |
| 1 | Does the household have a latrine? |  |  | Y/N |
| 2 | Is the latrine your own or shared with other households? |  |  | Own or shared |
| 3 | What type of latrine\* |  |  | Pour flush/Ventilated pit latrine/Pit latrine with slab/Pit Latrine without slab/Composting toilet/Bucket/No facility |
| 4 | Do the household latrines appear to be in regular use? |  |  | Y/N |
| 5 | Are there visible faeces present? |  |  | Y/N |
| 6 | Are the paths to the latrines are weedy/clean? |  |  | Y/N |
| 7 | Are the latrines well maintained? |  |  | Y/N |
| 8 | Are hand washing facilities available near the latrines?\* |  |  | Y/N |
| 9 | Are there children’s faeces visible within the household/compound? |  |  | Y/N If yes 🡪 Q10 |
| 10 | How many children’s stools are visible in the HH/compound? |  |  | Number |
| 11 | Are any of the stools dry? |  |  |  |
| **Household observation – continued** | | | | |
| 1 | Does the household have a latrine? |  |  | Y/N If No 🡪 Q2 & Q3 |
| 2 | Where do you go to the toilet? |  |  | Dig hole and bury/Use a bush or field/ Other |
| 3 | Why is there not a toilet facility in your house? |  |  | Never had a toilet facility/Previous latrine collapsed or filled/Broken/Facility incomplete/under construction/I don’t have resources to build a latrine/I don’t know the benefit of a latrine/Other |
| **Kebele observation** | | | | |
| 1 | Are there any visible faeces in former open defecation sites? |  |  | Y/N  \* If Yes take a photograph |
| 2 | Is there an absence of latrines in the community? |  |  | Y/N |
| 3 | Apart from former open defecation sites, are there faeces deposited in the open anywhere in the community? (Be observant) |  |  | Y/N |
| 4 | Is there a market in this kebele? |  |  | Y/N If Yes 🡪 Q5 |
| 5 | Are there latrines in markets available? |  |  | *\*If there is a market in the kebele being surveyed* |
| 6 | Are there hand washing facilities available near the latrines? |  |  | Y/N |
| **Religious Centre (Churches/Mosque) observation (N=?)** | |  |  |  |
| Take GPS point at the religious dwelling | | | | |
| Are there functional latrines at the religious centre? | |  |  | Y/N |
| Are there separate facilities for boys/men and girls/women? | |  |  | Y/N |
| Are the latrines clean? | |  |  | Y/N |
| **Schools observation (N=depending on number per kebele)** | |  |  |  |
| Take GPS point at the school | | | | |
| Record the name of the school | |  |  |  |
| Are there functional latrines at the school? | |  |  | Y/N |
| Are there separate latrines for boys/girls, and staff)? Does the latrine have a slab? | |  |  | Y/N |
| Were the latrines clean? | |  |  | Y/N |
| Were there visible faeces present? | |  |  | Y/N |
| Were there hand washing facilities available near the toilet?\* | |  |  | Y/N |
| **Health care facilities** | |  |  |  |
| Take GPS point | | | | |
| Are there functional latrines at the health centre? | |  |  | Y/N |
| Are there separate latrines for patients and staff? | |  |  | Y/N |
| Were the latrines clean? | |  |  | Y/N |
| Were there visible faeces present on any surfaces? | |  |  | Y/N |
| Were there hand washing facilities in schools available near the toilet?\* | |  |  | Y/N |

## Questionnaire from the Woreda ODF protocol





