

Appendix 6 Results of Socio-economic Survey

1. Survey Method

(1) Purpose of Survey

The purpose of this survey is to verify the appropriateness of construction of tubewell facilities requested by the government of Mozambique as a grant aid project. The survey has been conducted in all the candidate communities listed in the request letter by distributing a questionnaire consisting of 48 items including 1) Necessity of tubewell construction, 2) Capacity of tubewell maintenance, and other items, such as area and population of communities, water sources and usage, community activities and communications, willingness to pay and potential for tubewell maintenance, consciousness and knowledge on hygiene and sanitary of inhabitants, etc.

(2) Survey Method

As shown below, not only interview survey with community leaders at a total of 122 communities but also focus group discussion has been fulfilled at 17 communities to analyze further on water demand and willingness to pay, etc. Interview survey was made to evaluate general socio-economic conditions, water demand, and potential for facilities maintenance, and focus group discussion was made to analyze usage and demand of water, financial capacity, etc. Regarding the interview survey, some communities have been eliminated because of poor accessibility, and thus survey results were obtained for the total 122 communities.

Survey Type	Site	Purpose	Surveyor
A. Interview Survey Interview to community leaders (Administrative, Traditional)	122	Collection of basic data for site selection consisting of various socio-economic conditions, necessity of tubewell, sustainability of tubewell facilities	Locally hired surveyors
B. Focus Group Discussion Discussion with the above leaders and representatives of women group, etc.	17	The communities located both favorably and unfavorably were selected to analyze and compare water demand, financial intention and capacity, etc.	Responsible team member on socio-economic survey

Results of the above interview survey and focus group discussion are shown in the table

(3) Results of Interview Survey

Survey items and evaluation criteria are as follows,

Item	Criteria	Remarks
1. Effectiveness, Efficiency and Necessity of Tubewell Construction		
1) Existing Water source	A: Nil B: Seasonable/Variable C: 1 or more	- Communities without water sources in or around their territory should be prioritized. - Communities with drying up or water shortage during dry season should be prioritized.
2) Number of the existing water sources	A: Nil B: 1 to 2 points C: 3 or more	- Communities without water sources in their territory should be prioritized. - Ratio of number of the existing wells to population will be evaluated even if there are some existing facilities
3) Type of the existing water sources	A: Hand-dug hole (Traditional Well) B: River/streams	- Communities with only hand-dug holes apt to be drying up or water shortage during dry season should be prioritized.

Item	Criteria	Remarks
	C: Well w/o a handpump D: Well w/ a handpump	- If the existing well maintenance system is operative, well maintenance will be secured
4) Existence of M&O system	A: System is effectively operative B: System is dormant C: There is no M&O system	- If the existing maintenance system for public facilities is operative, participatory well maintenance will be secured. - Sustainability will be evaluated by analyzing the existing maintenance system, leadership, community rules and other negative factors in order to select project sites.
5) Time consumption for carrying water	A: More than 1hour (5 km<) B: 1hour or less (2~3 km) C: less than 30min. (around 1 km)	- Case of more than 1hour should be prioritized. - Frequency and quantity of carrying water will be reflected - Involvement of women and children should be observed.
6) Water quantity (especially in dry season)	A: Shortage in dry season B: Acceptable C: Sufficient through yearound	- Communities with drying up or water shortage during dry season should be prioritized.
7) Water quality for drinking	A: Poor B: Acceptable C: Good	- Communities with poorer water quality should be prioritized.
8) Number of probable project sites	A: Many (5 points or more)。 B: Some (3~4 points) C: Few (2 points or less)	- Shall be based on past experience and intention of community inhabitants. - Opinion of inhabitants on potential water sources will be considered
9) Water carrying laborer	A: Children involved B: Adult female C: Adult male	- In case that children are involved to carry water from remote water source, necessity of well will be higher.
2. Sustainability of Well Maintenance		
(1) Community Organization and other socio-economic conditions		
1) Communication with EPAR/PEC and other administrative offices	A: Good and active B: Fair and not so active C: Poor or Nil	- Communities with good channels for communication with EPAR/PEC and other administrative offices should be prioritized
2) Past and current maintenance system on public facilities	A: Active with many experience B: Not active C: Nil	- Active maintenance system with many experiences will be applicable for well maintenance - Leadership will be taken into consideration for tubewell construction even if no system exists. - Qualitative analysis on the existing O&M system, such as role of key persons, community rules, negative factors, etc. will be reflected to evaluate sustainability.
3) Leadership in the community	A: Good channels with leadership. B: Traditional leadership C: Other leaders	- Strong community leadership will contribute to facilities village level operation and maintenance including establishment of water committee, water fee collection. And thus, priority will be higher.
4) Community group formation	A: Many experiences and still active B: Some experiences C: No experiences and dormant	- Formation of active community group will lead to good maintenance activities, such as management of water committee, collection of water fee, etc., and priority will be high.
5) Community participatory construction and maintenance on public facilities	A: Many experiences B: Some experiences but not sufficient or sustainable C: No experiences	- Experience of community participatory construction and maintenance will be applied to well construction and maintenance, and priority will be high. - Even if there was no experience, analysis of future possibility and leadership will be analyzed.
6) Potential of well maintenance after construction	A: Good expertise/experience with higher probability B: Some experiences but not active	- Similar experience of community participatory activities on other external aid projects will be reflected in site selection. - Even if there was no experience or low capacity of

Item	Criteria	Remarks
	C: No experiences	sustainability, analysis of necessity of well, leadership development, alternative O&M plans will be evaluated.
(2) Capacity to Pay by the Communities		
1) Willingness of the inhabitants to pay	A: Considerably(Approx. 5,000Mt/month or more) B: Fairly C: No intention	- In order to realize village level O&M, willingness to pay is regarded as an one of the most important evaluation factors - Communities with no willingness will be excluded.
2) Expected water fee per month	A: 2,000Mt or more B: Less than 2,000Mt C: Impossible to pay	- In order to realize village level O&M, payable communities will be selected.

2. Results of Socio-Economic Survey

(1) Summary of focus group discussion

Focus group discussion has been carried out in 17 communities selected among 122 communities of the objective survey site. Summary of focus group discussion is as follows.

1) Current status of water resources and community needs

According to National Water Policy, standard of well distribution is one well facilities per 500 inhabitants. Survey results indicate that most of communities don't have any well facilities while hand-dug holes and/or river/streams are widely used as their water sources. In ranking their priority on water supply, shortening distance to water sources is ranked as first, followed by quality is second and the last one is quantity. This means that there are strong demands on safety drinking water and problem of severe labor especially for women to carry water from remote water sources.

2) Water quality and maintenance system of the existing water sources

Structure of the hand-dug well is quite simple digging a shallow hole on the ground and using oozed water from this shallow hole. Resulting, it is difficult to obtain a stable quantity of water because of drying up in dry season, and also contamination due to inflow of rain water is unavoidable. In spite of these problems, it is widely used because of easiness of construction and no additional cost requirement for maintenance among these communities. However, inhabitants understand these problems, such as poor water quality and its derived water borne diseases. And thus, prompt improvements are desired. Survey results and other statistical data show higher occurrence rate of diarrhea and cholera in Zambezia. It is rather urgent to facilitate PEC animator activities including hygiene and sanitary education.

3) Household Income

Household incomes are around 30,000~200,000Mt/month, and thus amount of 1,000 to 2,000Mt can be collected as monthly water fee per household.

(2) Evaluation way of criteria on community survey and judgment of tubewell construction site

Further investigation has been made in the communities selected by accessibility to the sites and hydro-geographic data. Impact, efficiency and relevance for tubewell construction and sustainability about the maintenance management of the well were scrutinized. Based on these results, 2 communities answered that they didn't have ability and/or willingness to pay for water were excluded from the list, and the remaining 86 communities were further examined.

Total 62 communities having higher necessity for tubewell construction, sustainability for facilities maintenance and lower number of the existing wells were selected to allocate 2 construction sites among these 86 communities. Consequently, total 148 tubewell will be constructed.

I. Evaluation way of impact, Efficiency and Relevance for Tubewell Construction and Sustainability about the maintenance management of the well

The above evaluation is calculated by the following formula as A=3, B=2, C=1, and D=0.

- ⑱ Evaluation of impact, efficiency and relevance for tubewell construction:

$$= (\textcircled{1}+\textcircled{2}+\textcircled{3}+\textcircled{4}+\textcircled{5}+\textcircled{6}) \times 2 + (\textcircled{7}+\textcircled{8}+\textcircled{9})/10 \Rightarrow \text{step evaluation by the point}$$
- ⑲ Evaluation of the sustainability about the maintenance management of the well:

$$= (\textcircled{10}+\textcircled{11}+\textcircled{12}+\textcircled{13}+\textcircled{14}) \times 2 + (\textcircled{15}+\textcircled{16})/8 \Rightarrow \text{step evaluation by the point}$$

II. Synthesis evaluation

Synthesis evaluation is calculated by the following formula as above point of ⑱, ⑲

- ⑳ Synthesis evaluation: $= (\textcircled{18}+\textcircled{19})/2 \Rightarrow \text{step evaluation by the point}$

III. Point distribution of step evaluation

Classified into 4 steps; A (4 > A >= 3), B (3 > B >= 2), C (2 > C >= 1), D (1 > D >= 0), and they classified each step into the following 3 steps.

- 0.0 ≤ ~ < 0.4: +
- 0.4 ≤ ~ < 0.7: no mark
- 0.7 ≤ ~ < 1.0: -

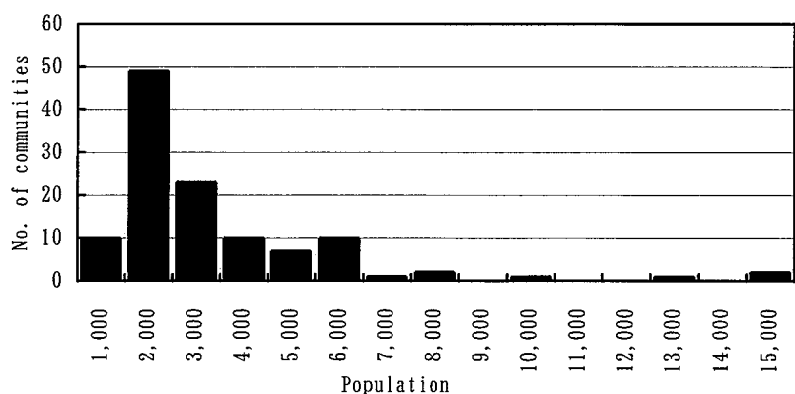
According to the above criteria and the following policies, project sites for tubewell construction have been selected.

- Category D group shall be excluded.
- Categorized C+ communities having higher necessity for tubewell construction, sustainability for facilities maintenance and lower number of the existing wells were selected to allocate 2 construction sites.
- Communities having no willingness to pay for water shall be excluded

Evaluation results are shown in the attached table.

(3) Impact, Efficiency of Tubewell Construction

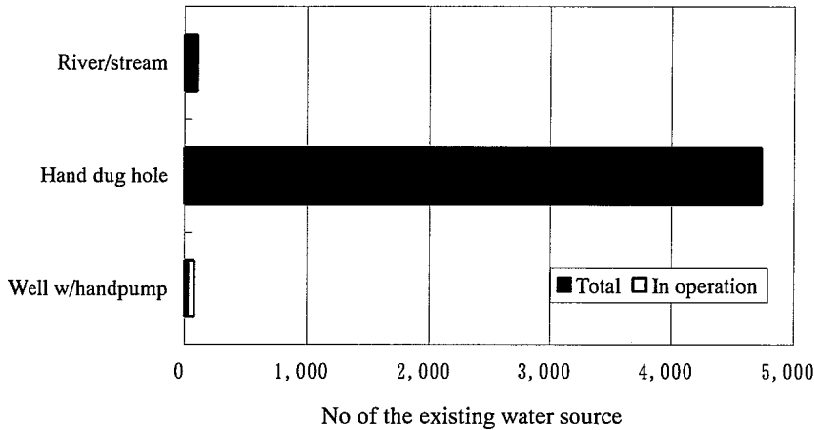
As shown in the graph, Population of 122 surveyed communities are generally



Distribution of communities population

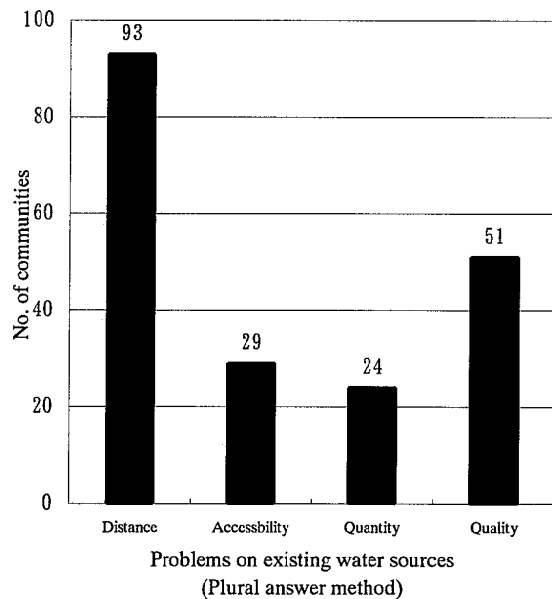
equal to or less than 6,000, and most of them are distributed between 1,000 to 3,000.

The existing water sources in the 148 survey sites of the project are wells with a handpump hand-dug holes and river /streams. Among these, the most popular ones are hand-dug holes that utilize water oozing from a shallow dug hole on the surface of the ground. There are tens or hundreds of this type of water sources exist in each communities. Though these are suitable for agricultural use and washing, there are both quantitative and qualitative problems, such as drying up in dry season, rain flooding in rainy season and especially a collon

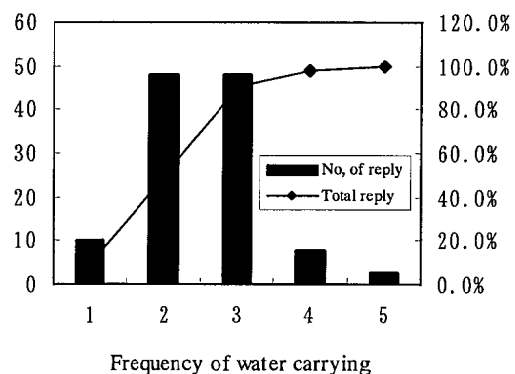
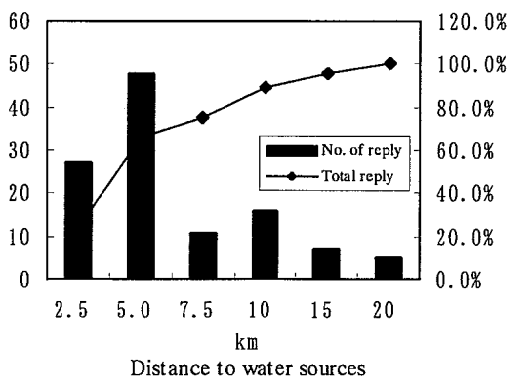


or hundreds of this type of water sources exist in each communities. Though these are suitable for agricultural use and washing, there are both quantitative and qualitative problems, such as drying up in dry season, rain flooding in rainy season and especially a collon

bacillus contamination due to its simplified structures. River /streams are the next common water sources. However, only one fourth of the communities are accessible to them because of uneven distribution due to geographical circumstances. Regarding shallow well and deep tubewells with handpumps, there are 81 sites including 53 sites in proper operational conditions. However, two or more wells are located in the same community in some cases, and thus only one fourth of communities can be benefitted.



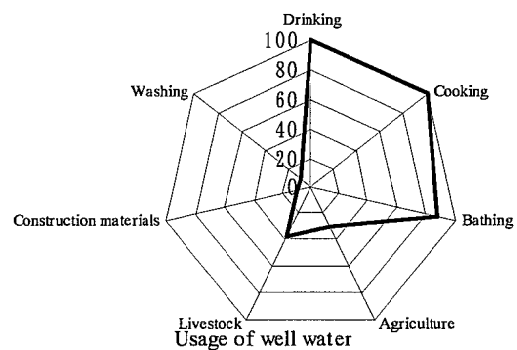
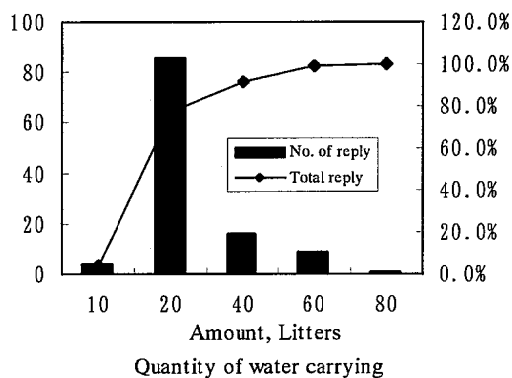
From the points of view that only one fourth of communities can be benefitted with wells because of unevenly distribution and providing safe water in the rural areas, it can be justified that construction of tubewells and equipment supply for relevant works are



meaningful. Furthermore, both poor accessibility and water quality of the existing water sources are regarded as the major problems to be solved among inhabitants of these communities. In order to relieve severe water carrying works, it is needless to say that availability of safe water with good accessability is the most important and urgent.

Current status of water carrying works are as follows:

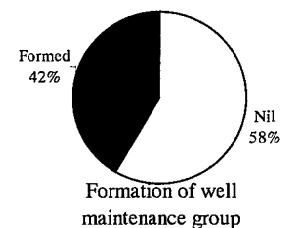
By summarizing these survey results, typically a total of 20 to 30 liters of water is obtained by going/returning a couple of times to the point of water source located at 2 to 5 km away from their homes. As a result of forcus group discussion with community leaders, it is found out that womens are normally in charge of water carrying work with exceptional cases that men are engeged in carrying with a bicycle from the distant water sources. Also, most of the people replied that usage of well water is not for washing clothes or construction works but for dirinking, cooking and bathing. Consequently, they have cousciness of hygene and sanitation to some extent as well as proper usage of water separating hand-dug well water from these purposes.



(3) Sustainability of Well Maintenance

1) Community Organization and Mobilization Capacities

Regarding the existing wells with a handpump, less than half of communities formed their water management committees, but frequency of PEC animators' visit is quite low. The reason why such a situation occurs is that activities of PEC animators depend on contract basis with EPAR accompanying with tubewell construction works. And thus, there are a few opportunities for them to visit communities except for newly constructed wells and aftercare purposes. As a result, current collection ratio of water fee among communities is not sufficient. According to explanation of former animators, main cause of low collection ratio is not due to amount of water fee but that insufficient understanding of community inhabitants on village level operation and maintenance as well as ownership.



It is quite rare that maintenance committee and/or systems are formed in the communities because of reasons that communities consist of family and their relatives have once been

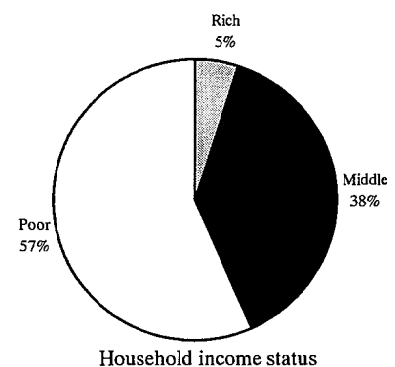
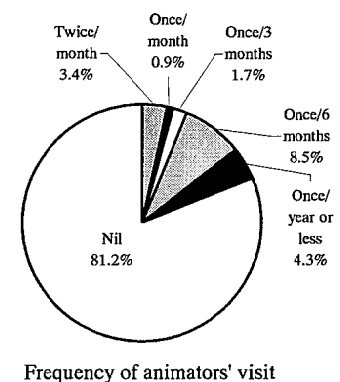
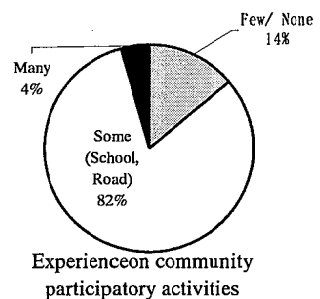
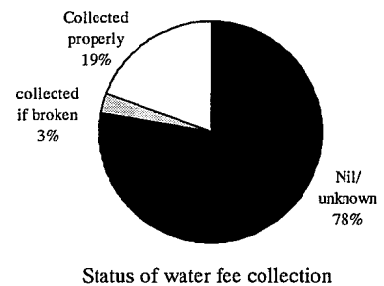
divided until ceasefire of the civil war in 1992 and there were few cases of construction works of public facilities which need permanent maintenance systems. However, 86% of the community habitants answered that they had experiences to be involved in the community participatory public works such as construction of school, health facilities, road, bridge, etc. Furthermore, strong leaderships of administrative and/or traditional leaders in these communities indicate that they have enough potential to form community organizations for facilities maintenance. Considering these circumstances, it can be expected to strengthen maintenance capacity of the communities with increasing number of PEC animators and capacity building by technical assistance accompanying to Japanese grant aid project.

2) Frequency of PEC animators' visit

Frequency of PEC animators' visit is quite low and 80% of communities answered that they has been never visited. However, in case of communities having wells with a handpump, 48.5% of them have been provided with some aftercare by the animators. On the contrary to this, more than 90% of communities without wells have never been visited. Therefore, activities of PEC animators cover only those, which have water facilities with handpumps.

3) Financial Capacity of Communities and Sustainability

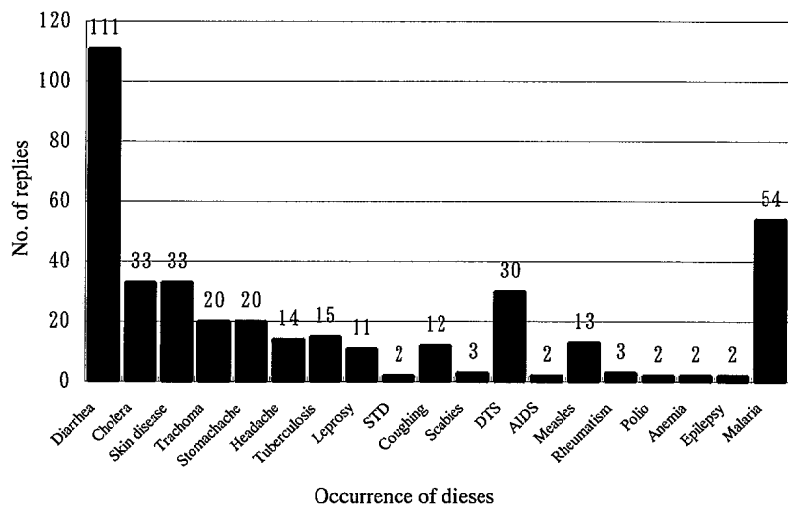
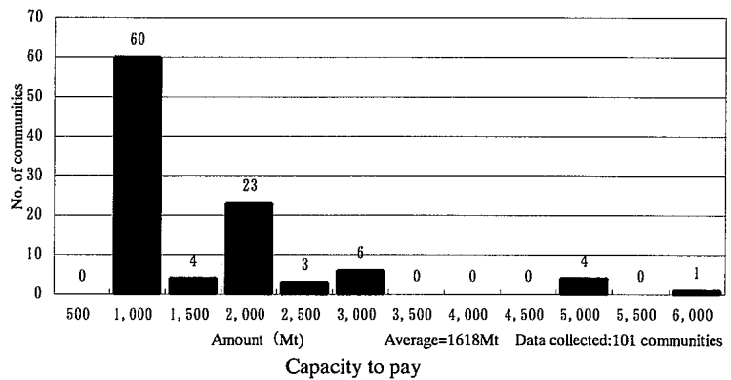
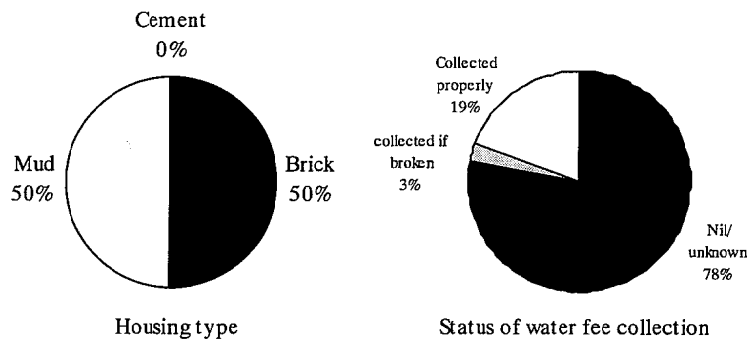
Generally, most of the households are classified as poverty or middle classes in these survey results because of remote rural areas with limited income generation measures. However, a half of the households possess brick structured permanent homes, which require purchasing materials in the market. This means that they are involved in market economy with minimum infrastructures for manufacturing and distribution of construction materials. Considering their income level generated by selling seasonal agricultural produces, it will be possible for them to pay 1,000Mt/month per household as minimum contribution for maintenance cost of the well with a hand pump. In spite of short survey period with brief explanation, 101 communities intend to pay at least 1,000Mt except for those which answered that payment would be decided after discussion and/or completion of facilities. According to results of focus group discussions, it was found out that their household income is around 30,000 to 200,000Mt/month. Therefore, the above amount and ratio to their incomes will be within a range of realistic burden-sharing, and thus organizational management and operation is more important



than water fee collection. From these viewpoints, capacity building of PEC animators by implementation of Japanese technical assistance and derived facilitative activities for community participation and forming ownership consciousness should be definitely required.

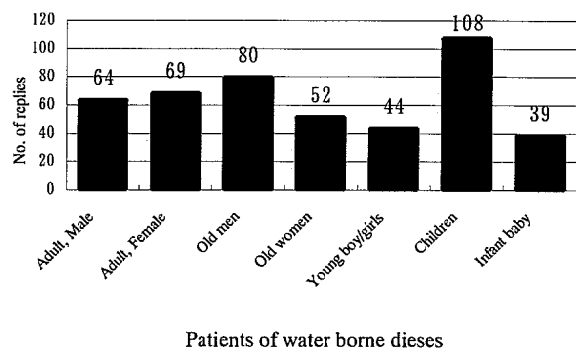
(4) Hygiene, Sanitary and Health Conditions in Communities

Zambezia province is known for its higher occurrence rate of water borne diseases in Mozambique. This survey results also indicate that diarrhea and cholera are ones of the most common diseases. Mainly infant baby and children are affected and will derive to malnutrition conditions and higher infant mortality rate. Construction of deep tubewells will contribute to alleviate these situation and improve health conditions of the children, as well as disseminative activities by PEC animators on hygiene and sanitation.

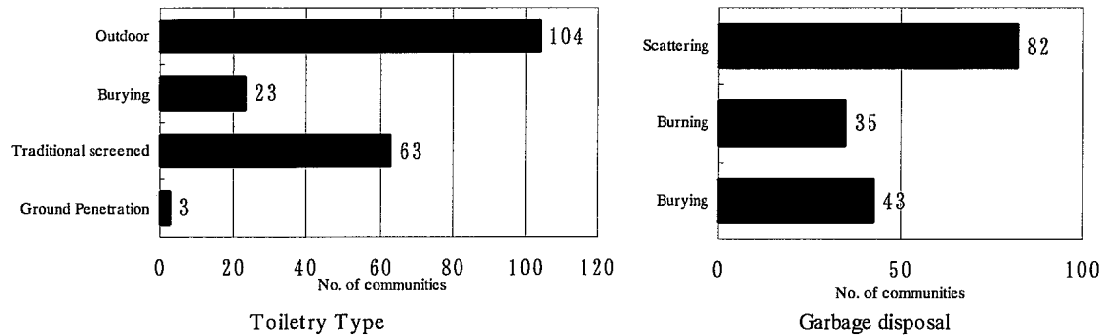


Regarding hygiene and sanitation, toiletry conditions and method of garbage disposal, the survey results are as follows:

According to these results, only one third of communities have toiletry facilities. And thus, water would be contaminated because of these improper treatment ways. Considering this toiletry and the current situation of garbage disposal that only a half take measures such burning or burying in the ground, it would be



necessary to facilitate hygiene and sanitary activities in the communities as well as tubewell maintenance.

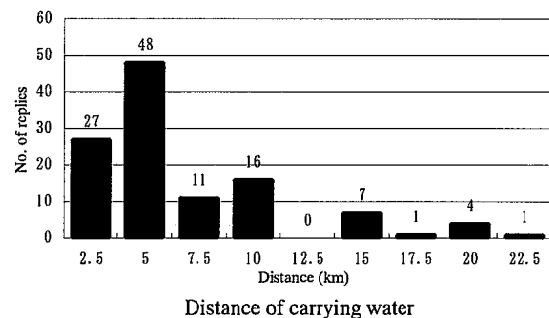


(5) Life environment in the communities

Average area, population and the density are shown in the following table. These figures can be converted that coverage area for 500 people as standard coverage population of one well. Coverage area per 500 people, which is defined as standard coverage population of one well, can be converted to approx. 12 Km². This is roughly equivalent to 2 Km radius circle, resulting average distance of carrying water will be shortened to relatively acceptable level. Considering the current situation that approx. 75% of households are more than 2.5 Km away from their water sources, it is justified that necessity of well construction is quite high in order to relieve severe water carrying work. Furthermore, it can be expected that improvement of life environment of women will lead to increase of job and educational opportunities, and other improvement of gender issues.

Size of Communities (Average)

Area(km ²)	Population	Density(persons/km ²)
69.3	2872	41.4



(6) Maintenance and Operation of Tubewells

According to the socio-economic survey results, current status of maintenance and operation on the existing wells with a handpump is not satisfactory at this stage. However, it will be possible to introduce village level operation and maintenance of wells with a handpump, justifying from the following viewpoints.

- Community Organization for operation and Maintenance

Now it is not sufficient for the communities to communicate with administrative sides, and also they don't have enough experience to form managing group for facilities maintenance. However, survey results clarified that they have reliable administrative and/or traditional leaders in most of the communities, and there are many cases to introduce community participatory burden sharing on school construction and road rehabilitation projects. Therefore, there will not be serious problems on community organization such as forming water committee and its operation by cultivation of ownership with facilitative activities to communities.

- Financial Capacity of Communities

Eight districts in the northern part of Zambezia province in Mozambique are regarded as rather left behind areas from the development. However, judging from their living standard and income survey data, it will be possible to bear the cost for maintenance of tubewell facilities with a handpump. However, management and operation of maintenance fund are regarded as more important things, and thus facilitative activities will be implemented by PEC animators with capacity building program under technical assistance. Generally speaking, women were actively involved in focus group discussions, and also they are supposed to manage financial affairs including housekeeping. Considering these circumstances, involvement of women on facilities maintenance as well as alleviation of severe water carrying labor will contribute to empower their roles and improve their status in the society.

Nº. de Localidade/Aldeia _____

Group A . B . C 1) Nome de entrevistador 2) Nome de escrivão
3) Tradutor de língua local _____

1. Data/hora de pesquisa de Nob. Dez. 2000/ Am / Pm : _____

2. Nome de Distrito: _____

3. Nome de Post Administrativo _____

4. Localidade _____

5. Nome de Aldeia _____

6. Estensão da localidade/aldeia (km2) _____

7. População (de 1) Masculinos, 2) Femininos, de 3) Adultos, 4) Crianças)

1) Mas. _____ 2) Fem. _____

3) Adult. _____ 4) Crian. _____

8. Nome de respondente (Chefe de localidade/aldeia ou líder principal)

1) _____ 2) _____ 3) _____

9. Idade ,Sexo ,Profissão de Respondente

1) Idade : _____ anos 2) Sexo : Masculino _____ Feminino _____

3) Profissão (o agricultor etc.) _____

10. Nome de Tribo:

1) Primeiro Maior Tribo: Nome _____ %

2) Segundo Maior Tribo: Nome _____ %

3) Terceiro Maior Tribo: Nome _____ %

11. Distribuição de áreas populacionados na aldeia / localidade (denso, media, escasso)

1) denso _____ 2) media _____ 3) escasso _____

12. Produtos agrícolas:

1) milho _____ 2) feijão _____ 3) amendoim _____ 4) frutas _____

5) Outras _____ (Especificar) _____

13. Condições económicas de Localidade / Aldeia (surveyors' perception)

1) rico _____ 2) media _____ 3) pobre _____

14. Material de construção é o critério quando se julgar condição económica de uma casa. Que tipo de casa

1) cimento _____ 2) madeira _____ 3) matçada (mud) _____ 4) caniço) _____

I. Impacto / Eficiência / Pertinência para construção de poço

15. Disponibilidade de fonte de água

1) Sim _____ 2) Não _____ 3) ou antigamente existia _____

16. Número de fontes de água de existentes

1) Zero _____ 2) Uma _____ 3) Duas _____ 4) Três _____ 5) Quatro _____ 6) Cinco _____

17. Se houver poço, operacionável ou não.

1) Operacionável _____ 2) Não _____

18. Tipo de fonte de água

1) poço com ou sem bomba _____ 2) rio _____ 3) ribeiro _____

4) lago _____ 5) Outras _____ (Especificar) _____

19. Em caso de existência de poço,

Sistema existente para manutenção e operação

1) Sim _____ 2) Não _____

Caso sim, Como Quem mantem, Quais papeis partilhados , e o que regra, entre os habitantes para maintenance & operation , Quem controla , Se há cobrança

20. Acesso de áreas populacionadas

1) metros ou quilómetros em media _____

21. Quais são condições na época da chuva / seca, Qual é a melhor mudança para ajudar sua vida sobre acesso de água.

22. Quais os problemas tinha antes sobre acesso de água, (distância, condição de estrada, montante de água, qualidade de água, outros.)

23. Montante da água (suficiente, rasoável, escasso, variáveis de estação para estação)

1) suficiente _____ 2) rasoável _____ 3) escasso _____

4) variáveis de estação para estação _____

24. Qualidade de água (Muito bom, bom/ rasoável, aceitável, pobre/variáveis de estação para estação)

1) Muito bom _____ 2) bom/ rasoável _____ 3) aceitável _____ 4) pobre _____

4) variáveis de estação para estação _____

25. Quanto tempo leva a carregar água da casa a fonte.

_____ Hora _____ minutos

26. Quantas vezes transporta por dia

1) Uma _____ 2) Duas _____ 3) Três _____ 4) Quatro _____ 5) Cinco _____

27. Quantos litros transportar de cada vez por dia

_____ Litros por dia

28. Onde e como conserva a água

1) Pote _____ 2) Tambor _____ 3) Balde _____ 4) Bidão _____

5) Outras _____ (Especificar) _____

29. Quem carrega água

1) Homens _____ 2) Mulheres _____ 3) Crianças _____ (Rapaz _____ /Rapariga _____)

30. Se construirão poço, a água que tirão da fonte, usarão só para beber ou várias finalidades.

1) Beber _____ 2) Cozinhar _____ 3) Tomar banho _____ 4) Regar plantas agrícolas _____

5) Para animais (Gado) _____ 6) Outros (Especificar) _____

31. Se são bem construídas, pode fazer construção de capoeiras.

1) Sim _____ 2) Não _____

32. Potenciais de exploração de fonte de água (precepção de habitantes)

1) Sim _____ 2) Não _____

33. Onde é o lugar apropriado para fazer o poço na localidade/ha aldeia,

1) Quantos lugares apropriados, O lugar mais apropriados, Se houver fonte de água perto local no momento, chegue até a fonte e verifique a qualidade de água.

Uma _____ 2) Duas _____ 3) Três _____ 4) Quatro _____ 5) Cinco _____

Nome de lugar _____

II. Sustentabilidade: Comunidade (situação atual)/ Capacidade institucional)

34. Comunicação a EPAR/PEC

1) meios _____ (ex. Through administrative chief, traditional leaders)

35. Quais canais de comunicação, Quantas frequências de visita da ANIMADOR a aldeia/a localidade

1) Uma vez por 2 semanas _____ 2) Uma vez por um mês _____

Uma vez por 3 meses _____ 4) Uma vez por 6 meses _____

36. Existem facilidades comunais na localidade /na aldeia. O que, Quem administra.

1) Existem papais partilhados pelas aldeias/localidades _____

2) Quais papéis existem, Quem são líderes _____

3) Existem regras para utilizar facilidades comunais _____

37. Sistema existente/ experiências para administração e operação de facilidades comunais (Como fazer operação) _____

38. Associações baseados na comunidade

1) Quantos associações

Uma _____ 2) Duas _____ 3) Três _____ 4) Quatro _____ 5) Cinco _____

Nome de associações,	Que tipo de pessoa é líder	Que tipo de associação	Que tipo de pessoas/quantos componentes, O que fazer,	Regras de associações,	Custo de participar	Bom atividade
1						
2						
3						
4						
5						
6						

39. Líder de comunidade

- 1) Como selecionado _____
- 2) Que tipo de pessoa selecionado _____
- 3) Líder de que, Qual é responsabilidade de líder _____
- 4) Que associação, O que fazer, _____

III. Potência Económica

40. Vontade de pagar por água

- 1) Sim _____ 2) Não _____
- 2) Até quanto _____
- 3) Como juntar o dinheiro _____
- 4) Quem controla _____

41. Capacidade de pagar por água. Até quanto pode pagar (1 mes)

- 1) 1,000~2,000 MT _____ 2) 2,000~3,000 MT _____ 3) 3,000~4,000MT _____
- 4) 4,000~5,000MT _____ 5) 5,000~6,000MT _____ 6) ≥6,000MT _____

IV. Potência Técnica

42. Especialista / experiência de construção/ administração de facilidade comunal

- 1) Sim _____ 2) Não _____

O que, Quando,

- 1) Quais componentes _____
- 2) Quantas pessoas trabalham _____
- 3) Número de componentes de homens/mulhers _____
- 4) Existi pagamento, quanto por um dia _____
- 5) Quem era líder esse tempo _____
- 6) A situação atual de manutenção Como fazer atividade/operação _____

V. Saneamento

43. Tipos de Latrinas

- 1) Latrina Melhorada _____ 2) Latrina Tradicional _____ 3) Sistema Gato _____
- 4) Ceu Aberto (Mato) _____

44. Tratamento de Lixo

- 1) Aterro Sanitário _____ 2) Queimada _____ 3) Espalhado _____

VI. Doenças

45. Quais são as doenças mais frequentes

- 1) Diarria _____ 2) Colera _____ 3) Doenças de pele _____ 4) Conjunto Vinte (tiracoma)
- 5) Cólica _____ 6) Outras _____ (Especificar Ex. Malária) _____

46. Quem são mais afetados por estas doenças

- 1) Homems _____ 2) Mulhers _____ 3) Velhos _____ 4) Velhas _____ 5) Rapazes jovens _____
- 6) Crianças _____ 7) Bebê _____ 8) Crianças recém-nacidas _____

VII. Condições de acesso (estrada) até a localidade/ aldeia de centro da localidade/ aldeia

47. Largura (estrada)
1) Larga _____ 2) Ordinária _____ 3) Estreita _____

48. Condição
1) Boa _____ 2) Normal _____ 3) Má _____
Se tiver alguns problemas especiais (na época da chuva / seca): _____

Signature of Traditional Leader/Translator to local language:

End time: AM/PM _____

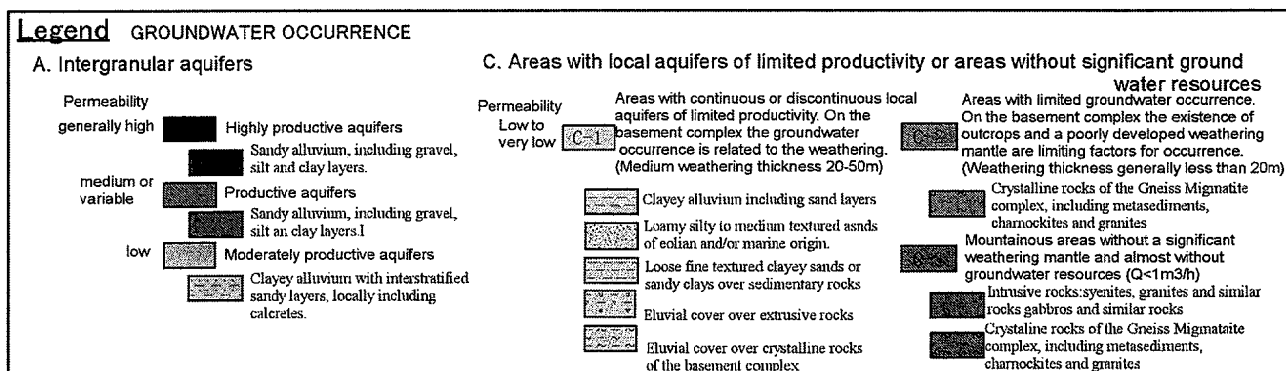
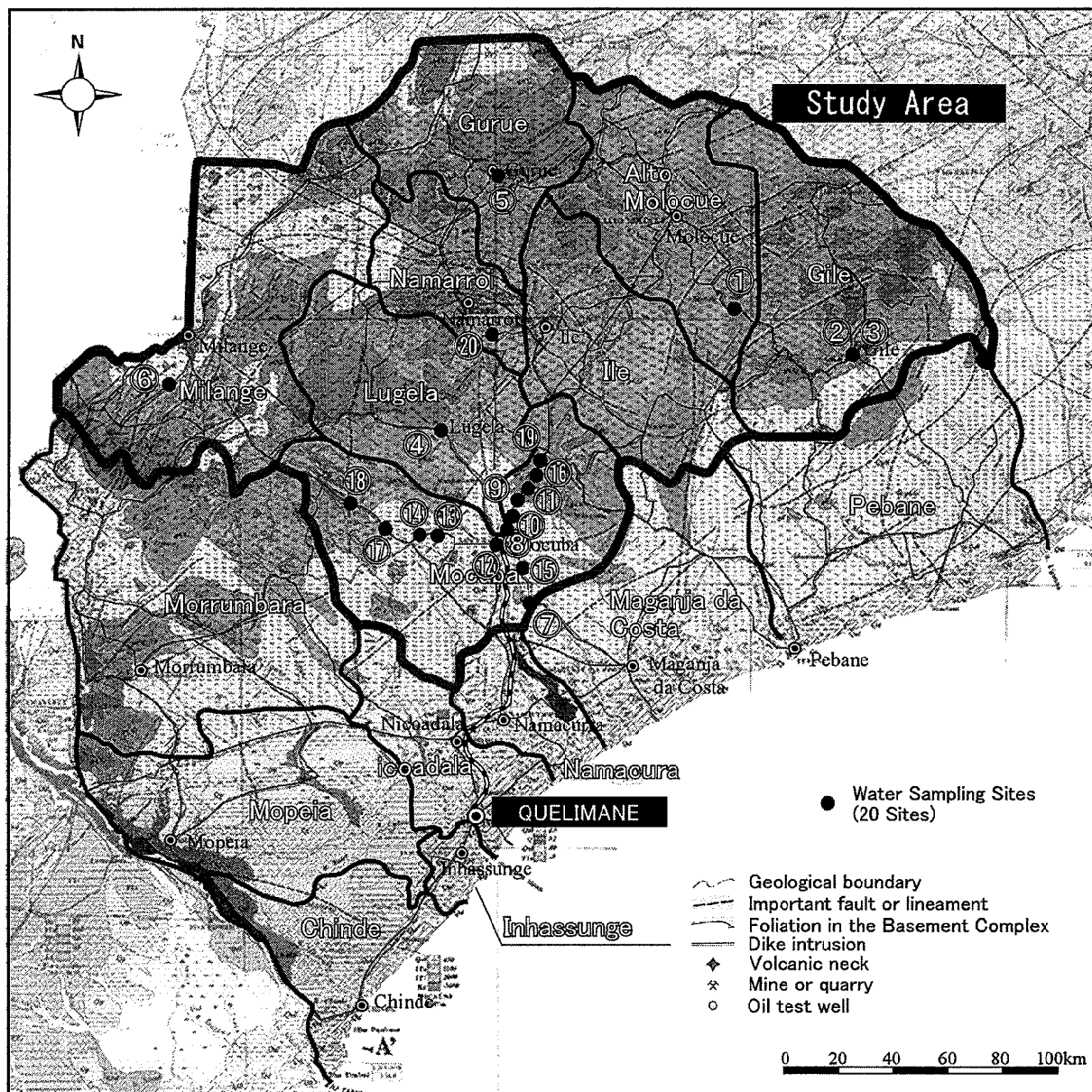
District	Post Administrative	Localidade	Aldia	Agricultural products															Seasonal water amount of the watering water		Problems on the existing water		Frequency of carrying (times/week)	Usage of well water					Household income	Water fee	Frequency of shower/visit	Community participatory works			Toiletry Type	Occurrence of Diseases										Patient of Diseases																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				Miso	Diatro	Cassava	Citrus	Coconut	Pepper	Sunflower	Tomato	Chili	Tricoon	Sugar cane	Potato	Banana	Orange	Pineapple	Tangerine	Avocado	Apple	1) Rainy season		2) Dry season	1) Drying	2) Overflowing	3) Contamination	4) Quality				5) Breakage of the	1) Drinking	2) Cooking		3) Bathing	4) Agriculture	5) Livestock	6) Washing	7) Irrigation	8) (No. of SAs)	9) Construction materials	1) Per day	2) 1-2 days	3) 3-5 days		4) 5-7 days	5) 7-10 days	6) 10-15 days	7) 15-20 days	8) 20-30 days	9) 30+ days	1) No	2) Yes	3) No	4) Yes	5) No	6) Yes	7) No	8) Yes	9) No	10) Yes	11) No	12) Yes	13) No	14) Yes	15) No	16) Yes	17) No	18) Yes	19) No	20) Yes	21) No	22) Yes	23) No	24) Yes	25) No	26) Yes	27) No	28) Yes	29) No	30) Yes	31) No	32) Yes	33) No	34) Yes	35) No	36) Yes	37) No	38) Yes	39) No	40) Yes	41) No	42) Yes	43) No	44) Yes	45) No	46) Yes	47) No	48) Yes	49) No	50) Yes	51) No	52) Yes	53) No	54) Yes	55) No	56) Yes	57) No	58) Yes	59) No	60) Yes	61) No	62) Yes	63) No	64) Yes	65) No	66) Yes	67) No	68) Yes	69) No	70) Yes	71) No	72) Yes	73) No	74) Yes	75) No	76) Yes	77) No	78) Yes	79) No	80) Yes	81) No	82) Yes	83) No	84) Yes	85) No	86) Yes	87) No	88) Yes	89) No	90) Yes	91) No	92) Yes	93) No	94) Yes	95) No	96) Yes	97) No	98) Yes	99) No	100) Yes	101) No	102) Yes	103) No	104) Yes	105) No	106) Yes	107) No	108) Yes	109) No	110) Yes	111) No	112) Yes	113) No	114) Yes	115) No	116) Yes	117) No	118) Yes	119) No	120) Yes	121) No	122) Yes	123) No	124) Yes	125) No	126) Yes	127) No	128) Yes	129) No	130) Yes	131) No	132) Yes	133) No	134) Yes	135) No	136) Yes	137) No	138) Yes	139) No	140) Yes	141) No	142) Yes	143) No	144) Yes	145) No	146) Yes	147) No	148) Yes	149) No	150) Yes	151) No	152) Yes	153) No	154) Yes	155) No	156) Yes	157) No	158) Yes	159) No	160) Yes	161) No	162) Yes	163) No	164) Yes	165) No	166) Yes	167) No	168) Yes	169) No	170) Yes	171) No	172) Yes	173) No	174) Yes	175) No	176) Yes	177) No	178) Yes	179) No	180) Yes	181) No	182) Yes	183) No	184) Yes	185) No	186) Yes	187) No	188) Yes	189) No	190) Yes	191) No	192) Yes	193) No	194) Yes	195) No	196) Yes	197) No	198) Yes	199) No	200) Yes	201) No	202) Yes	203) No	204) Yes	205) No	206) Yes	207) No	208) Yes	209) No	210) Yes	211) No	212) Yes	213) No	214) Yes	215) No	216) Yes	217) No	218) Yes	219) No	220) Yes	221) No	222) Yes	223) No	224) Yes	225) No	226) Yes	227) No	228) Yes	229) No	230) Yes	231) No	232) Yes	233) No	234) Yes	235) No	236) Yes	237) No	238) Yes	239) No	240) Yes	241) No	242) Yes	243) No	244) Yes	245) No	246) Yes	247) No	248) Yes	249) No	250) Yes	251) No	252) Yes	253) No	254) Yes	255) No	256) Yes	257) No	258) Yes	259) No	260) Yes	261) No	262) Yes	263) No	264) Yes	265) No	266) Yes	267) No	268) Yes	269) No	270) Yes	271) No	272) Yes	273) No	274) Yes	275) No	276) Yes	277) No	278) Yes	279) No	280) Yes	281) No	282) Yes	283) No	284) Yes	285) No	286) Yes	287) No	288) Yes	289) No	290) Yes	291) No	292) Yes	293) No	294) Yes	295) No	296) Yes	297) No	298) Yes	299) No	300) Yes	301) No	302) Yes	303) No	304) Yes	305) No	306) Yes	307) No	308) Yes	309) No	310) Yes	311) No	312) Yes	313) No	314) Yes	315) No	316) Yes	317) No	318) Yes	319) No	320) Yes	321) No	322) Yes	323) No	324) Yes	325) No	326) Yes	327) No	328) Yes	329) No	330) Yes	331) No	332) Yes	333) No	334) Yes	335) No	336) Yes	337) No	338) Yes	339) No	340) Yes	341) No	342) Yes	343) No	344) Yes	345) No	346) Yes	347) No	348) Yes	349) No	350) Yes	351) No	352) Yes	353) No	354) Yes	355) No	356) Yes	357) No	358) Yes	359) No	360) Yes	361) No	362) Yes	363) No	364) Yes	365) No	366) Yes	367) No	368) Yes	369) No	370) Yes	371) No	372) Yes	373) No	374) Yes	375) No	376) Yes	377) No	378) Yes	379) No	380) Yes	381) No	382) Yes	383) No	384) Yes	385) No	386) Yes	387) No	388) Yes	389) No	390) Yes	391) No	392) Yes	393) No	394) Yes	395) No	396) Yes	397) No	398) Yes	399) No	400) Yes	401) No	402) Yes	403) No	404) Yes	405) No	406) Yes	407) No	408) Yes	409) No	410) Yes	411) No	412) Yes	413) No	414) Yes	415) No	416) Yes	417) No	418) Yes	419) No	420) Yes	421) No	422) Yes	423) No	424) Yes	425) No	426) Yes	427) No	428) Yes	429) No	430) Yes	431) No	432) Yes	433) No	434) Yes	435) No	436) Yes	437) No	438) Yes	439) No	440) Yes	441) No	442) Yes	443) No	444) Yes	445) No	446) Yes	447) No	448) Yes	449) No	450) Yes	451) No	452) Yes	453) No	454) Yes	455) No	456) Yes	457) No	458) Yes	459) No	460) Yes	461) No	462) Yes	463) No	464) Yes	465) No	466) Yes	467) No	468) Yes	469) No	470) Yes	471) No	472) Yes	473) No	474) Yes	475) No	476) Yes	477) No	478) Yes	479) No	480) Yes	481) No	482) Yes	483) No	484) Yes	485) No	486) Yes	487) No	488) Yes	489) No	490) Yes	491) No	492) Yes	493) No	494) Yes	495) No	496) Yes	497) No	498) Yes	499) No	500) Yes	501) No	502) Yes	503) No	504) Yes	505) No	506) Yes	507) No	508) Yes	509) No	510) Yes	511) No	512) Yes	513) No	514) Yes	515) No	516) Yes	517) No	518) Yes	519) No	520) Yes	521) No	522) Yes	523) No	524) Yes	525) No	526) Yes	527) No	528) Yes	529) No	530) Yes	531) No	532) Yes	533) No	534) Yes	535) No	536) Yes	537) No	538) Yes	539) No	540) Yes	541) No	542) Yes	543) No	544) Yes	545) No	546) Yes	547) No	548) Yes	549) No	550) Yes	551) No	552) Yes	553) No	554) Yes	555) No	556) Yes	557) No	558) Yes	559) No	560) Yes	561) No	562) Yes	563) No	564) Yes	565) No	566) Yes	567) No	568) Yes	569) No	570) Yes	571) No	572) Yes	573) No	574) Yes	575) No	576) Yes	577) No	578) Yes	579) No	580) Yes	581) No	582) Yes	583) No	584) Yes	585) No	586) Yes	587) No	588) Yes	589) No	590) Yes	591) No	592) Yes	593) No	594) Yes	595) No	596) Yes	597) No	598) Yes	599) No	600) Yes	601) No	602) Yes	603) No	604) Yes	605) No	606) Yes	607) No	608) Yes	609) No	610) Yes	611) No	612) Yes	613) No	614) Yes	615) No	616) Yes	617) No	618) Yes	619) No	620) Yes	621) No	622) Yes	623) No	624) Yes	625) No	626) Yes	627) No	628) Yes	629) No	630) Yes	631) No	632) Yes	633) No	634) Yes	635) No	636) Yes	637) No	638) Yes	639) No	640) Yes	641) No	642) Yes	643) No	644) Yes	645) No	646) Yes	647) No	648) Yes	649) No	650) Yes	651) No	652) Yes	653) No	654) Yes	655) No	656) Yes	657) No	658) Yes	659) No	660) Yes	661) No	662) Yes	663) No	664) Yes	665) No	666) Yes	667) No	668) Yes	669) No	670) Yes	671) No	672) Yes	673) No	674) Yes	675) No	676) Yes	677) No	678) Yes	679) No	680) Yes	681) No	682) Yes	683) No	684) Yes	685) No	686) Yes	687) No	688) Yes	689) No	690) Yes	691) No	692) Yes	693) No	694) Yes	695) No	696) Yes	697) No	698) Yes	699) No	700) Yes	701) No	702) Yes	703) No	704) Yes	705) No	706) Yes	707) No	708) Yes	709) No	710) Yes	711) No	712) Yes	713) No	714) Yes	715) No	716) Yes	717) No	718) Yes	719) No	720) Yes	721) No	722) Yes	723) No	724) Yes	725) No	726) Yes	727) No	728) Yes	729) No	730) Yes	731) No	732) Yes	733) No	734) Yes	735) No	736) Yes	737) No	738) Yes	739) No	740) Yes	741) No	742) Yes	743) No	744) Yes	745) No	746) Yes	747) No	748) Yes	749) No	750) Yes	751) No	752) Yes	753) No	754) Yes	755) No	756) Yes	757) No	758) Yes	759) No	760) Yes	761) No	762) Yes	763) No	764) Yes	765) No	766) Yes	767) No	768) Yes	769) No	770) Yes	771) No	772) Yes	773) No	774) Yes	775) No	776) Yes	777) No	778) Yes	779) No	780) Yes	781) No	782) Yes	783) No	784) Yes	785) No	786) Yes	787) No	788) Yes	789) No	790) Yes	791) No	792) Yes	793) No	794) Yes	795) No	796) Yes	797) No	798) Yes	799) No	800) Yes	801) No	802) Yes	803) No	804) Yes	805) No	806) Yes	807) No	808) Yes	809) No	810) Yes	811) No	812) Yes	813) No	814) Yes	815) No	816) Yes	817) No	818) Yes	819) No	820) Yes	821) No	822) Yes	823) No	824) Yes	825) No	826) Yes	827) No	828) Yes	829) No	830) Yes	831) No	832) Yes	833) No	834) Yes	835) No	836) Yes	837) No	838) Yes	839) No	840) Yes	841) No	842) Yes	843) No	844) Yes	845) No	846) Yes	847) No	848) Yes	849) No	850) Yes	851) No	852) Yes	853) No	854) Yes	855) No	856) Yes	857) No	858) Yes	859) No	860) Yes	861) No	862) Yes	863) No	864) Yes	865) No	866) Yes	867) No	868) Yes	869) No	870) Yes	871) No	872) Yes	873) No	874) Yes	875) No	876) Yes	877) No	878) Yes	879) No	880) Yes	881) No	882) Yes	883) No	884) Yes	885) No	886) Yes	887) No	888) Yes	889) No	890) Yes	891) No	892) Yes	893) No	894) Yes	895) No	896) Yes	897) No	898) Yes	899) No	900) Yes	901) No	902) Yes	903) No	904) Yes	905) No	906) Yes	907) No	908) Yes	909) No	910) Yes	911) No	912) Yes	913) No	914) Yes	915) No	916) Yes	917) No	918) Yes	919) No	920) Yes	921) No	922) Yes	923) No	924) Yes	925) No	926) Yes	927) No	928) Yes	929) No	930) Yes	931) No	932) Yes	933) No	934) Yes	935) No	936) Yes	937) No	938) Yes	939) No	940) Yes	941) No	942) Yes	943) No	944) Yes	945) No	946) Yes	947) No	948) Yes	949) No	950) Yes	951) No	952) Yes	953) No	954) Yes	955) No	956) Yes	957) No	958) Yes	959) No	960) Yes	961) No	962) Yes	963) No	964) Yes	965) No	966) Yes	967) No	968) Yes	969) No	970) Yes	971) No	972) Yes	973) No	974) Yes	975) No	976) Yes	977) No	978) Yes	979) No	980) Yes	981) No	982) Yes	983) No	984) Yes	985) No	986) Yes	987) No	988) Yes	989) No	990) Yes	991) No	992) Yes	993) No	994) Yes	995) No	996) Yes	997) No	998) Yes	999) No	1000) Yes	1001) No	1002) Yes	1003) No	1004) Yes	1005) No	1006) Yes	1007) No	1008) Yes	1009) No	1010) Yes	1011) No	1012) Yes	1013) No	1014) Yes	1015) No	1016) Yes	1017) No	1018) Yes	1019) No	1020) Yes	1021) No	1022) Yes	1023) No	1024) Yes	1025) No	1026) Yes	1027) No	1028) Yes	1029) No	1030) Yes	1031) No	1032) Yes	1033) No	1034) Yes	1035) No	1036) Yes	1037) No	1038) Yes	1039) No	1040) Yes	1041) No	1042) Yes	1043) No	1044) Yes	1045) No	1046) Yes	1047) No	1048) Yes	1049) No	1050) Yes	1051) No	1052) Yes

District	No of communities (POD based)	Post Administrative	Localidade	Address	Reasons, not surveyed	Area (km ²)	Population (census)	Density (Pop/km ²)	Daily water provision (liters/capita/day)	Franchise status	Housing materials	Water sources	Management of the existing wellpans	1. Impact/Efficiency/Relevance of Well Construction		2. Sustainability about Maintenance and Operation of the Well					
														Sub-Total Judgment 1	Sub-Total Judgment 2	1) Institutional Capacity of Community	2) Economic Feasibility	3) Technical Feasibility			
Manhiça	75	Região	Manhiça	Manhiça		4	2000	500.0			0	0	0	0	0	0	0	0	0		
	76	Manhiça	Manhiça	Manhiça		10	373	37.3	1	1	3	0	0	22	0	0	0	0	0	0	
	77	Manhiça	Manhiça	Manhiça		6	4000	666.7	1	3	3	0	0	4	0	0	0	0	0	0	
	78	Manhiça	Manhiça	Manhiça		80	5273	65.9	1	3	3	0	0	12	0	0	0	0	0	0	0
	79	Manhiça	Manhiça	Manhiça		25	1029	41.2	1	3	3	0	0	6	3	0	0	0	0	0	0
	80	Manhiça	Manhiça	Manhiça		15	766	51.1	1	3	3	0	0	2	0	0	0	0	0	0	0
	81	Manhiça	Manhiça	Manhiça		25	2082	83.3	1	2	3	0	0	5	3	0	0	0	0	0	0
	82	Manhiça	Manhiça	Manhiça		12	1057	88.1	1	3	3	0	0	38	0	0	0	0	0	0	
	83	Manhiça	Manhiça	Manhiça		15	2753	183.5	1	3	2	1	13	0	0	0	0	0	0	0	
	84	Manhiça	Manhiça	Manhiça		29	3442	118.7	1	3	3	0	0	7	0	0	0	0	0	0	
Manhiça	85	Manhiça	Manhiça	Manhiça		35	1080	30.9	1	3	3	0	0	15	0	0	0	0	0	0	
	86	Manhiça	Manhiça	Manhiça		25	2923	116.9	1	2	2	1	40	0	0	0	0	0	0	0	
	87	Manhiça	Manhiça	Manhiça		35	2686	76.7	1	3	3	2	1	10	0	0	0	0	0	0	
	88	Manhiça	Manhiça	Manhiça		15	4590	305.3	2	2	2	0	0	4	0	0	0	0	0	0	
	89	Manhiça	Manhiça	Manhiça		6	2050	341.7	1	2	2	0	0	8	0	0	0	0	0	0	
	90	Manhiça	Manhiça	Manhiça		93	5310	570.0	1	3	3	2	2	6	0	0	0	0	0	0	
	91	Manhiça	Manhiça	Manhiça		12	1800	150.0	1	3	3	0	0	20	0	0	0	0	0		
	92	Manhiça	Manhiça	Manhiça		25	1320	52.8	1	3	2	0	0	2	0	0	0	0	0		
	93	Manhiça	Manhiça	Manhiça		11	4210	382.7	1	3	2	0	0	15	0	0	0	0	0		
	94	Manhiça	Manhiça	Manhiça		12	5130	427.5	1	3	2	0	0	2	0	0	0	0	0		
Manhiça	95	Manhiça	Manhiça	Manhiça		2700	6290	23.3	1	3	3	0	0	0	0	0	0	0	0		
	96	Manhiça	Manhiça	Manhiça		15	7200	480.0	1	3	3	0	0	2	0	0	0	0	0		
	97	Manhiça	Manhiça	Manhiça		17	2570	151.2	1	3	3	0	0	4	0	0	0	0	0		
	98	Manhiça	Manhiça	Manhiça		18	5540	307.8	1	3	2	2	1	2	0	0	0	0	0		
	99	Manhiça	Manhiça	Manhiça		8	1830	228.8	1	3	2	1	1	8	0	0	0	0	0		
	100	Manhiça	Manhiça	Manhiça		6	5600	933.3	1	2	3	0	0	3	0	0	0	0	0		
	101	Manhiça	Manhiça	Manhiça		706	7990	11.3	1	2	2	0	0	7	0	0	0	0			
	102	Manhiça	Manhiça	Manhiça		10	2700	270.0	1	3	3	0	0	8	0	0	0	0			
	103	Manhiça	Manhiça	Manhiça		10	1960	196.0	1	2	2	2	45	0	0	0	0				
	Manhiça	104	Manhiça	Manhiça	Manhiça		16	4000	250.0	1	2	2	0	0	1	0	0	0	0		
105		Manhiça	Manhiça	Manhiça		20	15000	750.0	2	2	2	0	0	10	13	0	0	0			
106		Manhiça	Manhiça	Manhiça		20	1932	96.6	1	3	2	0	0	90	0	0	0				
107		Manhiça	Manhiça	Manhiça		10	1500	150.0	1	3	3	0	0	4	0	0	0				
108		Manhiça	Manhiça	Manhiça		15	4300	286.7	1	2	2	0	0	0	10	0	0				
109		Manhiça	Manhiça	Manhiça		8.5	1900	223.5	3	3	2	0	0	4	0	0					
110		Manhiça	Manhiça	Manhiça		10	1329	132.9	2	2	2	0	0	150	0	0					
111		Manhiça	Manhiça	Manhiça		25	492	19.7	1	3	3	0	0	1	0	0					
112		Manhiça	Manhiça	Manhiça		19	6000	315.8	1	2	3	0	0	25	0	0					
113		Manhiça	Manhiça	Manhiça		17	2990	175.3	1	2	3	0	0	8	0	0					
Manhiça	114	Manhiça	Manhiça	Manhiça		70	4892	69.9	1	2	3	0	0	80	6	0	0				
	115	Manhiça	Manhiça	Manhiça		30	3950	131.7	1	2	3	0	0	1	0	0					
	116	Manhiça	Manhiça	Manhiça		20	1557	77.9	1	3	2	5	3	80	0	0					
	117	Manhiça	Manhiça	Manhiça		25	1200	48.0	1	3	3	1	1	7	0	0					
	118	Manhiça	Manhiça	Manhiça		21	5200	247.6	1	3	3	1	1	145	0	0					
	119	Manhiça	Manhiça	Manhiça		16	2622	163.9	1	3	3	0	0	58	0	0					
	120	Manhiça	Manhiça	Manhiça		12	2017	168.1	1	3	2	0	0	6	0	0					
	121	Manhiça	Manhiça	Manhiça		20	3300	165.0	1	3	2	3	3	20	0	0					
	122	Manhiça	Manhiça	Manhiça		9	2400	266.7	1	2	3	0	0	40	0	0					
	123	Manhiça	Manhiça	Manhiça		15	2800	186.7	1	2	3	1	12	0	0						
Manhiça	124	Manhiça	Manhiça	Manhiça		20	2620	131.0	1	2	3	1	4	0	1	0					
	125	Manhiça	Manhiça	Manhiça		406	1800	4.4	1	2	3	12	7	80	0	0					
	126	Manhiça	Manhiça	Manhiça		30	1637	54.6	1	2	3	0	0	25	4	0					
	127	Manhiça	Manhiça	Manhiça		40	1591	39.8	1	3	2	1	30	0	0						
	128	Manhiça	Manhiça	Manhiça		25	1319	52.8	1	2	2	0	0	11	0						
	129	Manhiça	Manhiça	Manhiça		80	1439	18.0	1	3	2	1	0	11	0						
	130	Manhiça	Manhiça	Manhiça		45	1139	25.3	2	2	2	0	0	10	3						
	131	Manhiça	Manhiça	Manhiça		108	1809	16.8	3	2	3	1	1	5	0						
	132	Manhiça	Manhiça	Manhiça		40	2746	68.4	1	3	2	1	30	0							

District	No. of communities (FOOD 444)	Post Administrate	Localidade	Aldeia	Agricultural products										Problems on the existing water			Distance to water source (km/one way)	Frequency of carrying (liters/v/day)	Usage of well water			Household income (Moz/mon/h)	Wage fee (Moz/mon/h)	Frequency of carrying (liters/v/day)	Amount of carrying (liters/day)	Subsistence (No. of sites)	Community participatory works	Tabory Type	Occurrence of Disease	Patient of Disease																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					Maize	Beans	Nut	Cassava	Coconut	Fruit/vegetable	Rice	Sunflower	Tomato	Onion	Garlic	Other	1) Distance			2) Accessibility	3) Quantity	4) Breakage of the handpump										1) Washing	2) Cooking	3) Bathing	4) Agriculture	5) Livestock	6) Construction materials	7) Washing	1) Female	2) Male	3) Both	1) Headache & Fever	2) Stomachache	3) Tuberculosis	4) STD	5) Coughing	6) Scabies	7) AIDS	8) Measles	9) Cholera	10) Diarrhea	11) Skin Diseases	12) Trachoma	13) Conjunctivitis	14) 1) Biting	15) 2) Biting	16) 3) Biting	17) 4) Outdoor	18) 1) Female	19) 2) Male	20) 3) Both	21) 1) Headache & Fever	22) Stomachache	23) Tuberculosis	24) STD	25) Coughing	26) Scabies	27) AIDS	28) Measles	29) Cholera	30) Diarrhea	31) Skin Diseases	32) Trachoma	33) Conjunctivitis	34) 1) Biting	35) 2) Biting	36) 3) Biting	37) 4) Outdoor	38) 1) Female	39) 2) Male	40) 3) Both	39) 1) Headache & Fever	40) Stomachache	41) Tuberculosis	42) STD	43) Coughing	44) Scabies	45) AIDS	46) Measles	47) Cholera	48) Diarrhea	49) Skin Diseases	50) Trachoma	51) Conjunctivitis	52) 1) Biting	53) 2) Biting	54) 3) Biting	55) 4) Outdoor	56) 1) Female	57) 2) Male	58) 3) Both	59) 1) Headache & Fever	60) Stomachache	61) Tuberculosis	62) STD	63) Coughing	64) Scabies	65) AIDS	66) Measles	67) Cholera	68) Diarrhea	69) Skin Diseases	70) Trachoma	71) Conjunctivitis	72) 1) Biting	73) 2) Biting	74) 3) Biting	75) 4) Outdoor	76) 1) Female	77) 2) Male	78) 3) Both	79) 1) Headache & Fever	80) Stomachache	81) Tuberculosis	82) STD	83) Coughing	84) Scabies	85) AIDS	86) Measles	87) Cholera	88) Diarrhea	89) Skin Diseases	90) Trachoma	91) Conjunctivitis	92) 1) Biting	93) 2) Biting	94) 3) Biting	95) 4) Outdoor	96) 1) Female	97) 2) Male	98) 3) Both	99) 1) Headache & Fever	100) Stomachache	101) Tuberculosis	102) STD	103) Coughing	104) Scabies	105) AIDS	106) Measles	107) Cholera	108) Diarrhea	109) Skin Diseases	110) Trachoma	111) Conjunctivitis	112) 1) Biting	113) 2) Biting	114) 3) Biting	115) 4) Outdoor	116) 1) Female	117) 2) Male	118) 3) Both	119) 1) Headache & Fever	120) Stomachache	121) Tuberculosis	122) STD	123) Coughing	124) Scabies	125) AIDS	126) Measles	127) Cholera	128) Diarrhea	129) Skin Diseases	130) Trachoma	131) Conjunctivitis	132) 1) Biting	133) 2) Biting	134) 3) Biting	135) 4) Outdoor	136) 1) Female	137) 2) Male	138) 3) Both	139) 1) Headache & Fever	140) Stomachache	141) Tuberculosis	142) STD	143) Coughing	144) Scabies	145) AIDS	146) Measles	147) Cholera	148) Diarrhea	149) Skin Diseases	150) Trachoma	151) Conjunctivitis	152) 1) Biting	153) 2) Biting	154) 3) Biting	155) 4) Outdoor	156) 1) Female	157) 2) Male	158) 3) Both	159) 1) Headache & Fever	160) Stomachache	161) Tuberculosis	162) STD	163) Coughing	164) Scabies	165) AIDS	166) Measles	167) Cholera	168) Diarrhea	169) Skin Diseases	170) Trachoma	171) Conjunctivitis	172) 1) Biting	173) 2) Biting	174) 3) Biting	175) 4) Outdoor	176) 1) Female	177) 2) Male	178) 3) Both	179) 1) Headache & Fever	180) Stomachache	181) Tuberculosis	182) STD	183) Coughing	184) Scabies	185) AIDS	186) Measles	187) Cholera	188) Diarrhea	189) Skin Diseases	190) Trachoma	191) Conjunctivitis	192) 1) Biting	193) 2) Biting	194) 3) Biting	195) 4) Outdoor	196) 1) Female	197) 2) Male	198) 3) Both	199) 1) Headache & Fever	200) Stomachache	201) Tuberculosis	202) STD	203) Coughing	204) Scabies	205) AIDS	206) Measles	207) Cholera	208) Diarrhea	209) Skin Diseases	210) Trachoma	211) Conjunctivitis	212) 1) Biting	213) 2) Biting	214) 3) Biting	215) 4) Outdoor	216) 1) Female	217) 2) Male	218) 3) Both	219) 1) Headache & Fever	220) Stomachache	221) Tuberculosis	222) STD	223) Coughing	224) Scabies	225) AIDS	226) Measles	227) Cholera	228) Diarrhea	229) Skin Diseases	230) Trachoma	231) Conjunctivitis	232) 1) Biting	233) 2) Biting	234) 3) Biting	235) 4) Outdoor	236) 1) Female	237) 2) Male	238) 3) Both	239) 1) Headache & Fever	240) Stomachache	241) Tuberculosis	242) STD	243) Coughing	244) Scabies	245) AIDS	246) Measles	247) Cholera	248) Diarrhea	249) Skin Diseases	250) Trachoma	251) Conjunctivitis	252) 1) Biting	253) 2) Biting	254) 3) Biting	255) 4) Outdoor	256) 1) Female	257) 2) Male	258) 3) Both	259) 1) Headache & Fever	260) Stomachache	261) Tuberculosis	262) STD	263) Coughing	264) Scabies	265) AIDS	266) Measles	267) Cholera	268) Diarrhea	269) Skin Diseases	270) Trachoma	271) Conjunctivitis	272) 1) Biting	273) 2) Biting	274) 3) Biting	275) 4) Outdoor	276) 1) Female	277) 2) Male	278) 3) Both	279) 1) Headache & Fever	280) Stomachache	281) Tuberculosis	282) STD	283) Coughing	284) Scabies	285) AIDS	286) Measles	287) Cholera	288) Diarrhea	289) Skin Diseases	290) Trachoma	291) Conjunctivitis	292) 1) Biting	293) 2) Biting	294) 3) Biting	295) 4) Outdoor	296) 1) Female	297) 2) Male	298) 3) Both	299) 1) Headache & Fever	300) Stomachache	301) Tuberculosis	302) STD	303) Coughing	304) Scabies	305) AIDS	306) Measles	307) Cholera	308) Diarrhea	309) Skin Diseases	310) Trachoma	311) Conjunctivitis	312) 1) Biting	313) 2) Biting	314) 3) Biting	315) 4) Outdoor	316) 1) Female	317) 2) Male	318) 3) Both	319) 1) Headache & Fever	320) Stomachache	321) Tuberculosis	322) STD	323) Coughing	324) Scabies	325) AIDS	326) Measles	327) Cholera	328) Diarrhea	329) Skin Diseases	330) Trachoma	331) Conjunctivitis	332) 1) Biting	333) 2) Biting	334) 3) Biting	335) 4) Outdoor	336) 1) Female	337) 2) Male	338) 3) Both	339) 1) Headache & Fever	340) Stomachache	341) Tuberculosis	342) STD	343) Coughing	344) Scabies	345) AIDS	346) Measles	347) Cholera	348) Diarrhea	349) Skin Diseases	350) Trachoma	351) Conjunctivitis	352) 1) Biting	353) 2) Biting	354) 3) Biting	355) 4) Outdoor	356) 1) Female	357) 2) Male	358) 3) Both	359) 1) Headache & Fever	360) Stomachache	361) Tuberculosis	362) STD	363) Coughing	364) Scabies	365) AIDS	366) Measles	367) Cholera	368) Diarrhea	369) Skin Diseases	370) Trachoma	371) Conjunctivitis	372) 1) Biting	373) 2) Biting	374) 3) Biting	375) 4) Outdoor	376) 1) Female	377) 2) Male	378) 3) Both	379) 1) Headache & Fever	380) Stomachache	381) Tuberculosis	382) STD	383) Coughing	384) Scabies	385) AIDS	386) Measles	387) Cholera	388) Diarrhea	389) Skin Diseases	390) Trachoma	391) Conjunctivitis	392) 1) Biting	393) 2) Biting	394) 3) Biting	395) 4) Outdoor	396) 1) Female	397) 2) Male	398) 3) Both	399) 1) Headache & Fever	400) Stomachache	401) Tuberculosis	402) STD	403) Coughing	404) Scabies	405) AIDS	406) Measles	407) Cholera	408) Diarrhea	409) Skin Diseases	410) Trachoma	411) Conjunctivitis	412) 1) Biting	413) 2) Biting	414) 3) Biting	415) 4) Outdoor	416) 1) Female	417) 2) Male	418) 3) Both	419) 1) Headache & Fever	420) Stomachache	421) Tuberculosis	422) STD	423) Coughing	424) Scabies	425) AIDS	426) Measles	427) Cholera	428) Diarrhea	429) Skin Diseases	430) Trachoma	431) Conjunctivitis	432) 1) Biting	433) 2) Biting	434) 3) Biting	435) 4) Outdoor	436) 1) Female	437) 2) Male	438) 3) Both	439) 1) Headache & Fever	440) Stomachache	441) Tuberculosis	442) STD	443) Coughing	444) Scabies	445) AIDS	446) Measles	447) Cholera	448) Diarrhea	449) Skin Diseases	450) Trachoma	451) Conjunctivitis	452) 1) Biting	453) 2) Biting	454) 3) Biting	455) 4) Outdoor	456) 1) Female	457) 2) Male	458) 3) Both	459) 1) Headache & Fever	460) Stomachache	461) Tuberculosis	462) STD	463) Coughing	464) Scabies	465) AIDS	466) Measles	467) Cholera	468) Diarrhea	469) Skin Diseases	470) Trachoma	471) Conjunctivitis	472) 1) Biting	473) 2) Biting	474) 3) Biting	475) 4) Outdoor	476) 1) Female	477) 2) Male	478) 3) Both	479) 1) Headache & Fever	480) Stomachache	481) Tuberculosis	482) STD	483) Coughing	484) Scabies	485) AIDS	486) Measles	487) Cholera	488) Diarrhea	489) Skin Diseases	490) Trachoma	491) Conjunctivitis	492) 1) Biting	493) 2) Biting	494) 3) Biting	495) 4) Outdoor	496) 1) Female	497) 2) Male	498) 3) Both	499) 1) Headache & Fever	500) Stomachache	501) Tuberculosis	502) STD	503) Coughing	504) Scabies	505) AIDS	506) Measles	507) Cholera	508) Diarrhea	509) Skin Diseases	510) Trachoma	511) Conjunctivitis	512) 1) Biting	513) 2) Biting	514) 3) Biting	515) 4) Outdoor	516) 1) Female	517) 2) Male	518) 3) Both	519) 1) Headache & Fever	520) Stomachache	521) Tuberculosis	522) STD	523) Coughing	524) Scabies	525) AIDS	526) Measles	527) Cholera	528) Diarrhea	529) Skin Diseases	530) Trachoma	531) Conjunctivitis	532) 1) Biting	533) 2) Biting	534) 3) Biting	535) 4) Outdoor	536) 1) Female	537) 2) Male	538) 3) Both	539) 1) Headache & Fever	540) Stomachache	541) Tuberculosis	542) STD	543) Coughing	544) Scabies	545) AIDS	546) Measles	547) Cholera	548) Diarrhea	549) Skin Diseases	550) Trachoma	551) Conjunctivitis	552) 1) Biting	553) 2) Biting	554) 3) Biting	555) 4) Outdoor	556) 1) Female	557) 2) Male	558) 3) Both	559) 1) Headache & Fever	560) Stomachache	561) Tuberculosis	562) STD	563) Coughing	564) Scabies	565) AIDS	566) Measles	567) Cholera	568) Diarrhea	569) Skin Diseases	570) Trachoma	571) Conjunctivitis	572) 1) Biting	573) 2) Biting	574) 3) Biting	575) 4) Outdoor	576) 1) Female	577) 2) Male	578) 3) Both	579) 1) Headache & Fever	580) Stomachache	581) Tuberculosis	582) STD	583) Coughing	584) Scabies	585) AIDS	586) Measles	587) Cholera	588) Diarrhea	589) Skin Diseases	590) Trachoma	591) Conjunctivitis	592) 1) Biting	593) 2) Biting	594) 3) Biting	595) 4) Outdoor	596) 1) Female	597) 2) Male	598) 3) Both	599) 1) Headache & Fever	600) Stomachache	601) Tuberculosis	602) STD	603) Coughing	604) Scabies	605) AIDS	606) Measles	607) Cholera	608) Diarrhea	609) Skin Diseases	610) Trachoma	611) Conjunctivitis	612) 1) Biting	613) 2) Biting	614) 3) Biting	615) 4) Outdoor	616) 1) Female	617) 2) Male	618) 3) Both	619) 1) Headache & Fever	620) Stomachache	621) Tuberculosis	622) STD	623) Coughing	624) Scabies	625) AIDS	626) Measles	627) Cholera	628) Diarrhea	629) Skin Diseases	630) Trachoma	631) Conjunctivitis	632) 1) Biting	633) 2) Biting	634) 3) Biting	635) 4) Outdoor	636) 1) Female	637) 2) Male	638) 3) Both	639) 1) Headache & Fever	640) Stomachache	641) Tuberculosis	642) STD	643) Coughing	644) Scabies	645) AIDS	646) Measles	647) Cholera	648) Diarrhea	649) Skin Diseases	650) Trachoma	651) Conjunctivitis	652) 1) Biting	653) 2) Biting	654) 3) Biting	655) 4) Outdoor	656) 1) Female	657) 2) Male	658) 3) Both	659) 1) Headache & Fever	660) Stomachache	661) Tuberculosis	662) STD	663) Coughing	664) Scabies	665) AIDS	666) Measles	667) Cholera	668) Diarrhea	669) Skin Diseases	670) Trachoma	671) Conjunctivitis	672) 1) Biting	673) 2) Biting	674) 3) Biting	675) 4) Outdoor	676) 1) Female	677) 2) Male	678) 3) Both	679) 1) Headache & Fever	680) Stomachache	681) Tuberculosis	682) STD	683) Coughing	684) Scabies	685) AIDS	686) Measles	687) Cholera	688) Diarrhea	689) Skin Diseases	690) Trachoma	691) Conjunctivitis	692) 1) Biting	693) 2) Biting	694) 3) Biting	695) 4) Outdoor	696) 1) Female	697) 2) Male	698) 3) Both	699) 1) Headache & Fever	700) Stomachache	701) Tuberculosis	702) STD	703) Coughing	704) Scabies	705) AIDS	706) Measles	707) Cholera	708) Diarrhea	709) Skin Diseases	710) Trachoma	711) Conjunctivitis	712) 1) Biting	713) 2) Biting	714) 3) Biting	715) 4) Outdoor	716) 1) Female	717) 2) Male	718) 3) Both	719) 1) Headache & Fever	720) Stomachache	721) Tuberculosis	722) STD	723) Coughing	724) Scabies	725) AIDS	726) Measles	727) Cholera	728) Diarrhea	729) Skin Diseases	730) Trachoma	731) Conjunctivitis	732) 1) Biting	733) 2) Biting	734) 3) Biting	735) 4) Outdoor	736) 1) Female	737) 2) Male	738) 3) Both	739) 1) Headache & Fever	740) Stomachache	741) Tuberculosis	742) STD	743) Coughing	744) Scabies	745) AIDS	746) Measles	747) Cholera	748) Diarrhea	749) Skin Diseases	750) Trachoma	751) Conjunctivitis	752) 1) Biting	753) 2) Biting	754) 3) Biting	755) 4) Outdoor	756) 1) Female	757) 2) Male	758) 3) Both	759) 1) Headache & Fever	760) Stomachache	761) Tuberculosis	762) STD	763) Coughing	764) Scabies	765) AIDS	766) Measles	767) Cholera	768) Diarrhea	769) Skin Diseases	770) Trachoma	771) Conjunctivitis	772) 1) Biting	773) 2) Biting	774) 3) Biting	775) 4) Outdoor	776) 1) Female	777) 2) Male	778) 3) Both	779) 1) Headache & Fever	780) Stomachache	781) Tuberculosis	782) STD	783) Coughing	784) Scabies	785) AIDS	786) Measles	787) Cholera	788) Diarrhea	789) Skin Diseases	790) Trachoma	791) Conjunctivitis	792) 1) Biting	793) 2) Biting	794) 3) Biting	795) 4) Outdoor	796) 1) Female	797) 2) Male	798) 3) Both	799) 1) Headache & Fever	800) Stomachache	801) Tuberculosis	802) STD	803) Coughing	804) Scabies	805) AIDS	806) Measles	807) Cholera	808) Diarrhea	809) Skin Diseases	810) Trachoma	811) Conjunctivitis	812) 1) Biting	813) 2) Biting	814) 3) Biting	815) 4) Outdoor	816) 1) Female	817) 2) Male	818) 3) Both	819) 1) Headache & Fever	820) Stomachache	821) Tuberculosis	822) STD	823) Coughing	824) Scabies	825) AIDS	826) Measles	827) Cholera	828) Diarrhea	829) Skin Diseases	830) Trachoma	831) Conjunctivitis	832) 1) Biting	833) 2) Biting	834) 3) Biting	835) 4) Outdoor	836) 1) Female	837) 2) Male	838) 3) Both	839) 1) Headache & Fever	840) Stomachache	841) Tuberculosis	842) STD	843) Coughing	844) Scabies	845) AIDS	846) Measles	847) Cholera	848) Diarrhea	849) Skin Diseases	850) Trachoma	851) Conjunctivitis	852) 1) Biting	853) 2) Biting	854) 3) Biting	855) 4) Outdoor	856) 1) Female	857) 2) Male	858) 3) Both	859) 1) Headache & Fever	860) Stomachache	861) Tuberculosis	862) STD

Results of Water Quality Analyses

No	DISTRICT	PALAMETER	Temp.	pH	EC	Color	Turb.	DO	TDS	NH ₄ ⁺	NO ₃	NO ₂	F	SO ₄ ²⁻	B	Cl ⁻	CaCO ₃	Cu	Mn	Fe	As	COD	Coliform Group
																							UNIT
		IDENTIFICATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1A	Molouca	Mutala	27.0	6.18	0.346	Incolor	1.2	6.7	166	<0.04	19.6	<0.03	<0.01	<1.0	<0.01	33.6	138	<0.01	<0.01	0.36	<0.01	0.08	25(25)
2	Gile	Sede No. 5	27.5	5.71	0.365	Incolor	0.5	7.3	180	<0.04	5.54	<0.03	0.34	<1.0	<0.01	19.5	152	<0.01	<0.01	0.2	<0.01	1.02	4(4)
3	Gile	Sede No. 6	27.0	5.75	0.360	Incolor	0.5	6.3	242	<0.04	5.91	<0.03	0.26	1.65	<0.01	19.5	152	<0.01	<0.01	<0.2	<0.01	0.76	-
4	Lugela	Mobede Napone	28.0	5.40	0.121	Incolor	0.6	5.5	98	<0.04	<0.5	<0.03	<0.01	1	<0.01	5.3	40	<0.01	<0.01	0.2	<0.01	0.08	2(2)
5	Gurue	Spring Water Invinha	25.5	5.20	0.091	Incolor	2.5	4.4	11	<0.04	3.6	0.05	<0.01	5.61	<0.01	3.5	38	<0.01	<0.01	0.51	<0.01	0.76	11(11)
6	Milange	Simbe Sede	25.5	6.35	0.296	Incolor	0.3	5.3	169	<0.04	2.35	<0.03	0.26	2.81	<0.01	1.7	146	<0.01	<0.01	<0.2	<0.01	0.76	10(10)
7	Mocuba	Etabo Etabo	26.0	6.85	0.195	Incolor	0.4	3.3	129	<0.04	<0.5	<0.03	1.01	<1.0	<0.01	16	46	<0.01	<0.01	<0.2	<0.01	0.08	6(6)
8	Mocuba	Bive Coromana	26.6	6.90	0.676	Incolor	0.3	4	440	<0.04	<0.5	<0.03	0.98	2.15	<0.01	62	120	<0.01	<0.01	<0.2	<0.01	0.85	-
9	Mocuba	Bive Pinto	26.6	7.09	0.290	Incolor	5.5	3	223	<0.04	<0.5	<0.03	0.39	<1.0	<0.01	12.4	106	<0.01	<0.01	<0.2	<0.01	0.25	-
10	Mocuba	Munibu Sede	26.5	7.27	0.176	Incolor	5.5	7.1	98	<0.04	16.68	0.04	<0.01	2.31	<0.01	19.5	52	<0.01	<0.01	<0.2	<0.01	0.42	4(4)
11	Mocuba	Nadala EP. 1	26.6	6.44	0.207	Incolor	0.4	-	262	<0.04	<0.5	<0.03	0.07	<1.0	<0.01	8.8	72	<0.01	<0.01	<0.2	<0.01	0.17	3(3)
12	Mocuba	Central	26.3	7.01	0.648	Incolor	0.5	5.8	376	<0.04	8.57	<0.03	2.19	1.06	<0.01	79.7	146	<0.01	<0.01	0.36	<0.01	0.76	10(10)
13	Mocuba	Dugudela EP1	26.0	6.98	0.332	Incolor	1.5	2.9	266	<0.04	<0.5	<0.03	0.28	1.16	<0.01	16	120	<0.01	<0.01	0.24	<0.01	1.44	8(8)
14	Mocuba	Namutagane	26.4	6.65	0.164	Incolor	4	4.7	183	<0.04	1.37	<0.03	0.79	1.55	<0.01	12.4	44	<0.01	<0.01	<0.2	<0.01	0.76	-
15	Mocuba	Etabo Damiabo	26.0	6.40	0.200	Incolor	1	4.2	204	<0.04	<0.5	<0.03	0.26	<1.0	<0.01	8.8	82	<0.01	<0.01	<0.2	<0.01	1.44	7(-)
16	Mocuba	Marata Marata	26.8	6.44	0.269	Incolor	0.5	6.4	242	<0.04	<0.5	<0.03	0.26	<1.0	<0.01	16	112	<0.01	<0.01	0.4	<0.01	0.59	15(15)
17	Mocuba	Namanjavira-Sede	26.2	5.94	0.189	Incolor	1	4.4	294	<0.04	0.86	<0.03	1.04	<1.0	<0.01	16	52	<0.01	<0.01	0.27	<0.01	0.42	22(-)
18	Mocuba	Muramba Tole EP-1	26.3	6.21	0.318	Incolor	0.4	5.1	250	<0.04	2.25	<0.03	0.77	<1.0	<0.01	26.5	86	<0.01	<0.01	<0.2	<0.01	0.93	20(20)
19	Mocuba	Mugeba Namuririmone	26.4	6.50	0.321	Incolor	0.6	6.2	170	<0.04	0.94	<0.03	0.36	<1.0	<0.01	12.4	132	<0.01	<0.01	<0.2	<0.01	0.93	-
20	Namarroi	Uede EP1	27.0	5.21	0.114	Incolor	0.5	5.5	106	<0.04	<0.5	<0.03	0.26	<1.0	<0.01	3.5	40	<0.01	<0.01	<0.2	<0.01	0.76	20(20)



LOCATION OF WATER SAMPLING SITES

Appendix 9 References

No.	Title	Issued by
1	POLÍTICA NACIONAL DE ÁGUAS	DIRECÇÃO NACIONAL DE ÁGUAS
2	PLANO DE TRANSIÇÃO DE AGUA RURAL	DIRECÇÃO NACIONAL DE ÁGUAS
3	Rural Water and Sanitation Programme (RWSP), Zambezia Province, Mozambique	UNICEF
4	Métodos de Análise de Água	MINISTÉRIO DA SAÚDE
5	MOÇAMBIQUE EM NÚMEROS, 1999, Mozambique in Figures	Direcção Nacional Estatística
6	ANUÁRIO ESTATÍSTICO Província de ZAMBÉZIA, 1998	Direcção Nacional Estatística
7	ESTATÍSTICAS E INDICADORES SOCIAIS	Direcção Nacional Estatística
8	ANUÁRIO ESTATÍSTICO, Statistical Yearbook, 1998	Direcção Nacional Estatística
9	II RECENSEAMENTO GENERAL DA POPULAÇÃO E HABITAÇÃO, 1997	Direcção Nacional Estatística
10	II RECENSEAMENTO GENERAL DA POPULAÇÃO E HABITAÇÃO, PROVNCIA DA ZAMBÉZIA, 1997	Direcção Nacional Estatística
11	Topographic Map in Zambezia Province, 1/250,000	Direcção Nacional de Geografia e Cadastro
12	Topographic Map in Zambezia Province, 1/50,000	Direcção Nacional de Geografia e Cadastro
13	Geology Map, 1/250,000	National Geological Dept.
14	Boletim Annual, in Mozambique, 1999	MINISTÉRIO DA SAÚDE
15	Boletim Annual, in Zambezia Province, 1999	MINISTÉRIO DA SAÚDE
16	EVOLUCAO DA COBERTURA NO ABASTECIMENTO DE AGUA RURAL	DIRECÇÃO NACIONAL DE ÁGUAS
17	Organization Chart - Government of Mozambique	DAR
18	Organization of DNA	DAR
19	Organization Chart of Rural Water Department	DAR
20	Organization Chart of Water and Sanitation Department in Zambezia	DAS, Quelimane
21	Well Development Plan in Zambezia	DAR
22	Department of Rural Water Annual (Draft)	DAR
23	UMA BOMBA MANUAL AFRIDEV CONSISTE EM	DAR
24	Organization Chart of CFPAS	DAR
25	MANUAL DE IMPLEMENTAÇÃO DE PROJECTOS DE ABASTECIMENTO DE ÁGUA RURAL	DAR
26	Manual de Instalação e Manutenção da Bomba Manual AFREIDEV	DAR
27	Furos mecânicos existentes na província da Zambézia	DAS/DPOPHZ
28	CENSO 97, CD	Direcção Nacional Estatística