# 資料

# 資料1 調査団構成

資料1 調査団構成

氏名	担当分野	所属	現地派遣期間					
松本 重行	総括	独立行政法人国際協力機構 無償資金協力部 業務第一グループ 水・衛生チーム	6月27日~7月9日 ·					
藤原 邦夫	水理地質/地下水開発計画	株式会社エー・エス・エンジ ニアリング	6月20日~7月10日					
佐々木 洋介	村落給水計画	株式会社ソーワコンサルタ ント	6月20日~7月10日					

# 資料 2 調査行程

資料2 調査行程

JA 11		1,25			
			総括	水理地質/地下水開発計画	村落給水計画
1	6月20日	日		東京 17:40→香港 21:10(JL	735) 23:50→
2	6月21日	月		→ヨハネスブルグ 7:00 (SA ェ 12:45 (SA170) JICA 및	
3	6月22日	火		水開発省訪問、調査日程打ち 査	合わせ、対象地域サイト調
4	6月23日	水		対象地域サイト調査	
5	6月24日	木		対象地域サイト調査	
6	6月25日	金		水開発省ワークショップ視 察(機材維持管理状況調査)	既往案件現況調査(ムチン ジ地下水開発計画)
7	6月26日	土		資料整理、団内打ち合わせ	
8	6月27日	B	東京 17:40→香港 21:10(JL735) 23:50→	資料整理、団内打ち合わせ	
9	6月28日	月	→ヨハネスブルグ 7:00 (SA287) 10:20→リロ ングウェ 12:45 (SA170) 団内打合せ	(午前) 水開発省ヒアリング (午後) 団内打合せ	、資料収集
10	6月29日	火	JICA 事務所打合せ、水 開発省・財務省表敬、 水開発省ヒアリング	水開発省ヒアリング、既存 機材活用状況調査	水開発省ヒアリング
11	6月30日	水	NGO (Water Aid) 訪問	]、対象地域サイト調査	
12	7月1日	木	既往案件現況調査(リロ	ングウェ・デッザ地下水開発	計画)、同計画引渡し式出席
13	7月2日	金	ミニッツ協議		
14	7月3日	土	資料整理、NGO(Inter	Aide)訪問	
15	7月4日	П	資料整理、団内打ち合わ	o世 ·	
16	7月5日	月	ミニッツ署名、JICA 事 務所報告	再委託業者調査、基本設計 調査業務指示の検討に必要 な調査	I
17	7月6日	火	(午前)団内打合せ リロングウェ 16:40→ ルサカ 18:20 (QM181)	(午前) 団内打合せ (午後) 資料整理(マラウ イ国祝日のため)	(午前) 団内打合せ (午後) 資料整理(マラウ イ国祝日のため)
18	7月7日	水	在ザンビア日本大使館 報告	再委託業者調査、基本設計 調査業務指示の検討に必要 な調査	再委託業者調査、基本設計 調査業務指示の検討に必 要な調査
19	7月8日	木	ルサカ 7:45→ヨハネス ブルグ 9:50(SA069) ヨハネスブルグ 12:50→	再委託業者調査、基本設計 調査業務指示の検討に必要 な調査	再委託業者調査、基本設計 調査業務指示の検討に必 要な調査
20	7月9日	金	→香港 8:00(SA7800) 10:50→東京 16:00 (JL736)	リロングウェ 13:35→ヨハ ネスブルグ 16:05(SA171) 17:10→	リロングウェ 13:35→ヨハ ネスブルグ 16:05 (SA171) 17:10→
21	7月10日	土		→香港 12:25(SA286) 14:30→東京 19:40 (JL732)	→香港 12:25(SA286) 14:30→東京 19:40 (JL732)

資料3 関係者(面会者) リスト

#### 資料3 関係者(面会者) リスト

#### 水開発省(Ministry of Water Development)

Mr. Sydney M. Mainala, Director of Water Resources

Ms. Modesta Banda Kanjaye, Deputy Director of Water Resources (Chief Hydrogeologist)

Mr. Prince Mleta, Senior Groundwater Development Officer

Mr. Mc Aubrey S Chirambo, Principal Hydrogeological Research Officer

Mr. Ganizani Matiki, Senior Hydrogeologist

Mr. Macpherson Nkhata, Hydrogeologist

Mr. Ronald Chiwaula, Hydrogeological Officer

Mr. Nefitak Mndima, Assistant Hydrogeologist

Mr. Hudgeson K. M. Muhezuwa, Principal Community Water Supply & Sanitation Officer

Mr. Alfred Kutengule, Economist

Ms. Emma Mbalame, Head of Regional Water Development Office (Central Region)

Mr. Oliver Phiri, Community Water Suply Officer, Regional Water Development Office

(Central Region)

Mr. Collings Chivanga, Assistant Hydrogeologist, Regional Water Development Office (Central Region)

Mr. R. D. Botoman, Mechanic, Regional Water Development Office (Central Region)

Mr. Mutari, Chief of Groundwater Office of Mchinji District

#### 財務省(Ministry of Finance)

Mr. Soko, Director of Debt & Aid Management

#### 天然資源・環境省 (Ministry of Natural Resources and Environmental Affairs)

Mr. Alexander M. Kathewela, Environmental Geologist, Regional Geological Survey Department (Central Region)

#### Water Aid (NGO)

Mr. Isaac Kalilombe

Mr. Simon Msukwa

#### Inter Aide (NGO)

Mr. Emanuel Chaponnière

#### 在ザンビア日本大使館(マラウイを兼轄)

古賀 達朗 一等書記官

財津 知亨 二等書記官

#### JICA マラウイ事務所

加藤 高史 所長

村瀬 達哉 次長

松島 恭範 企画調査員

Mr. Evans Kachale, Aid Coordinator

資料4 当該国の社会経済状況

資料4 当該国の社会経済状況

	指標項目	1989年	1999年	2000年	2001年	2001年の 地域平均値
	国土面積 (1000km²)	94	94	94	94	n.a.
	人口(百万人)	8.2	10.1	10.3	10.5	673.9
	人口增加率(%)	3.1	2.1	2.1	2.0	2.3
	出生時平均余命 (歳)	n.a.	n.a.	39	38	46
	妊産婦死亡率 ( / 1 0 万人)	n.a.	n.a.		1120(90-98)	n.a.
社	乳児死亡率 (/1000人)	n.a.	n.a.	117.0	114.0	105.4
会	一人当たりカロリー摂取量 (kcal/1 日) *1	1,951	2,159	2,166	2,168	2,229
指	初等教育総就学率(男)(%)	n.a.	136.7	138.6	n.a.	n.a.
標	(女)(%)	n.a.	132.6	135.3	n.a.	
等	中等教育総就学率(男)(%)		49.0	40.5	n.a.	n.a.
<del>-11</del>	(女)(%)	n.a.				n.a.
	高等教育総就学率(%)	n.a.	34.9	30.8	n.a.	n.a.
	成人非識字率(15歳以上の人口の内:%)	n.a.	n.a.	n.a.	n.a.	n.a.
	総対的貧困水準(1日1\$以下の人口比:%)	48.9	40.7	39.9	39.0	37.7
		n.a.	n.a.		41.7(97-98)	n.a.
	失業率(%)   GDP (百万USドル)	n.a.	n.a.	n.a.	n.a.	n.a.
	GDP (日ガロSトル)  一人当たり GNI (USドル)	1,590	1,810	1,707	1,749	315,705
	実質GDP成長率(%)	180 1:3	190 4.0	170 1.7	160 -1.5	460 2.9
	産業構造(対GDP比:%)	. 1.0	4.0	1.7	1.0	2,5
	農業	47.7	35.4	36.5	34.0	16.1
	工業	27.9	17.9	17.4	17.9	28.3
	サービス業	24.4	46.7	46.0	48.1	55.6
	産業別成長率(%)					
経	農業	2.4	11.2	5.7	∙8.5	2.9
	工業	8.0	2.5	-0.5	1.1	3.2
済	サービス業	3.5	2.6	0.7	2.6	3.3
411-0.	消費者物価上昇率(インフレ:%)	12.5	44.8	29.6	27.2	n.a.
指	財政収支(対GDP比:%) 輸出成長率(金額:%)	·2.7 ·14.9	n.a. -15. <b>1</b>	n.a. -5.7	n.a. 3.7	n.a. 4.8
標	輸入成長率(金額:%)	21.3	14.3	·16.4	4.7	4.0 8.3
125	経常収支(対GDP比:%)	3.2	-36.6	31.9	-30.4	n.a.
	外国直接投資純流入額(百万ドル)	9.3	60.0	45.0	58.4	13,814.7
	総資本形成率(対GDP比:%)	24.6	14.8	12.5	10.9	17.7
	貯蓄率(対GDP比:%)	8.8	.0.2	0.5	-1.0	16.5
1	対外債務残高(対GNI比:%)	6.2	3.9	3.5	2.3	4.5
	DSR(対外債務返済比率:%)	30.9	12.6	11.7	7.8	11.2
	外貨準備高(対輸入月比:%)	2.4	2.5	2.9	2.4	8.1
	名目対ドル為替レート*2	2.7595	44.0881	59.5438	72.1973	n.a.
	(通貨単位:クワチャ Kwacha)					

政\*3政治体制:共和制。大統領が最高権力者

治 爆法:1995年5月18日新憲法公布

指 元首:大統領。 ピング・ムタリカ(Bingu wa MUTHARIKA)。 直接選挙制。任期5年。2004年5月24日就任。

票 │議会:1院制。193議席。直接選挙制。任期5年

出典 World Development Indicators CD-ROM 2003 World Bank

- \*1 FAO Food Balance Sheets 2003年6月 FAO Homepage
- \*2 International Financial Statistics Yearbook 2002 IMF \*3 世界年鑑 2004 共同通信社、在日マラウイ大使館 2004年6月
- 注 ●()に示されている数値は調査年を示す。(90.98)と示されている場合は1990年度から98年度までの間の最新値を示す
  - ●「人口」、「GDP」及び「外国直接投資純流入額」の「2001年の地域平均値」においては、地域の総数を示す
    - ●地域はサブサハラ・アフリカ。ただし「一人当たりカロリー摂取量」における地域はサハラ以南のアフリカ
    - ●就学率が100を超えているのは、学齢人口推計値と実際の就学データの間にずれがあるため

政府歳入・歳出[マラウイ]

rainatiman kapa	2000年	2001年	20024	Rev. Proj	2 0 0 2年
	(百万クリチャ)	(百万クワチャ)		(百万US\$)*	
歳入+贈与受取額	31,233	32,093	43,153	562.7	29.6%
歳入 .	20,880	22,663	27,144	354.0	18.6%
租税収入	19,285	20,168	24,259	316.3	16.6%
非税収入	1,595	2,495	2,885	37.6	2.0%
贈与受取額	10,353	9,429	16,009	208.8	11.0%
歳出+純貸付額	37,887	44,143	48,174	628.2	33.0%
歳出	37,303	44,143	48,174	628.2	33.0%
経常歳出	25,772	33,157	35,735	466.0	24.5%
開発歳出	11,530	10,986	12,439	162.2	8.5%
純貸付額	584	0	0	0.0	0.0%
財政収支	-6,654	-12,050	·5,020	-65.5	-3.4%

#### 歳出内訳「マラウイ]

Education and assessment and	lese accompany assistment	s demandes ambecanos	nakasasan ingga kasa	versussifications are	Importantes a località	ninderrala establish
Margia Caraba Sugar	20,00年	2001年	2 0 0:24	Rev. Proj. ,	2.0 0	) 2年 🔻 🖖
	《百万分升》	(百万勿科)	(百万久好4)	(百万US\$)*	<b>次内积</b> 多。	对GDP比**
歳出	37,303	44,143	48,174	628.2	100.0%	33.0%
一般サービス	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
国防	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
公安	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
教育	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
保健・医療	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
社会保障・福祉	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
住宅 生活關連施設	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
レクリュエーション・文化	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
エネルギー	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
農林水産業	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
鉱工業・建設業	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
運輸・通信	n.a.	n.a.	n.a.	n.a.	n,a.	n.a.
その他	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

会計年度は4月〜3月

\*: 対トル換算レートはOfficial Rate, Period Average 出典はInternational Financial Statistics Yearbook 2003 IMF

\*\*\*: GDPの出典はThe World Economic Outlook 2004 IMF Homepage 出典 IMF Country Report No.02/196 September 2002

JICAの対マラウイ技術協力

通貨単位	/1998年度/	1999年度	2000年度	2001年度	2002年度	<b>《常聞</b> 》
億円	16.77	16.90	14.53	15.41	14.55	231,33
百万ドル	12.81	14.84	13,48	12.68	11.61	(\$600) \$500 (10°)

注:年の区切りは日本の会計年度(4月~3月)。また対ドル換算レートはOECD Homepageによる。 出典 JICA実績表 2003年3月 国際協力機構

#### 我が国の対マラウイODA実績

				<del>5.</del>			政府貸付			合計	
暦年	無償資金協力		技術協力		<b>8</b> +		支出総額	支出純額		DAI	
97	8.72	(25)	12.72	(36)	21,45	(61)	20.00	13.69	(39)	35,13	(100)
98	41.37	()	12,30	(—)	53.66	(—)	_	-6,25	(—)	47,41	(100)
99	27.12	(—)	14.56	(—)	41.68	()	_	-7.64	(—)	34.04	(100)
2000	33.02	(—)	15,44	(—)	48.46	(_)		-9.93	(—)	38.53	(100)
2001	14.26	()	12.42	()	26,67	(—)	_	-8.38	()	18.29	(100)
架計	314.31	(47)	165,96	(25)	480,26	(71)	255.86	195.48	(29)	675,71	(100)

注:年の区切りは1月~12月の暦年。 出典 ODA国別データブック2002 外務省 ( )内はODA 合計に占める各形態の割合(%)。

DAC諸国・国際機関の対マラウイODA実績 (支出純額、単位:百万ドル)

暦年	1-	位	21	立	31	立	41	i .	5位	ż	うち日本	合計
98	英国	56,7	日本	47,4	ドイツ	25.5	テンマーク	22.6	米国	19.7	47.4	203.6
99	英国	77.3	日本	34.0	ドイツ	28.7	デンマーク	28.4	米国	27.8	34.0	227,7
2000	英国	96.9	米国	59.3	日本	38.5	ドイツ	25.5	カナダ	6.7	38.5	269.2
		1	l	i	1	f	;	1	! †		<u> </u>	
曆年	1	位	21	立	31	立	4{5	'n	5 (1	ī	その他	合計
98	IDA	119.7	CEC	75,7	AfDF	15.0	UNDP	9,7	UNFPA	3.2	6.8	230.2
99	CEC	89.0	IDA ·	74,6	AfDF	30,8	UNDP	7.7	UNICEF	4,1	8.1	214.3
2000	IDA	81.2	CEC	48.9	AfDF	16.1	IFAD	4.1	UNICEF	3.9	16.7	170,9

注:年の区切りは1月~12月の暦年。

出典 ODA国別データブック2002 外務省

# 資料 5 討議議事録 (M/D)

MINUTES OF DISCUSSIONS

ON THE PRELIMINARY STUDY

ON THE PROJECT FOR GROUNDWATER DEVELOPMENT IN LILONGWE WEST

IN THE REPUBLIC OF MALAWI

In response to the request from the Government of the Republic of Malawi ( hereinafter

referred to as "Malawi" ), the Government of Japan decided to conduct a Preliminary Study on the

Project for Groundwater Development in Lilongwe West (hereinafter referred to as "the Project")

and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as

"JICA").

JICA sent to Malawi the Preliminary Study Team (hereinafter referred to as "the Team"),

which is headed by Mr. Shigeyuki Matsumoto, Water and Sanitation Team, Project Management

Group I, Grant Aid Management Department, JICA, and is scheduled to stay in the country from

June 21 to July 9.

The Team held discussions with the officials concerned of the Government of Malawi and

conducted a field survey at the study area.

In the course of the discussions and field survey, both parties confirmed the main items

described on the attached sheets. Subject to the decision by the Government of Japan, JICA will

conduct a Basic Design Study on the Project.

Lilongwe, July 5, 2004

Mr. Shigeyuki Matsumoto

Leader

Preliminary Study Team

Japan International Cooperation Agency

Japan

Mr. Sydney M. Mainala

Director of Water Resources

Ministry of Water Development

Republic of Malawi

#### ATTACHMENT

#### 1. Objective of the Project

The objective of the Project is to improve the health and living standard of the people who live in Lilongwe West by providing potable water through procurement of equipment and development of water supply facilities.

#### 2. Project sites

The sites of the Project are Traditional Authority (TA) Kalolo and Khongoni in Lilongwe District, Central Region. The location of the sites is shown in Annex-1.

- 3. Responsible and Implementing Agency
- 3-1. The Responsible Agency is Ministry of Water Development.
- 3-2. The Implementing Agency is Department of Water Resources.

The organization chart is shown in Annex-2.

#### 4. Items requested by the Government of Malawi

After discussions with the Team, the items described in Annex-3 were finally requested by the Malawian side. Requested villages are listed in Annex-4. The Malawian side additionally requested two units of computer to formulate a digitized well inventory from existing paper-based data. JICA will assess the appropriateness of the request and will report the findings to the Government of Japan.

- 5. Japan's Grant Aid Scheme
- 5-1. The Malawian side understands the Japan's Grant Aid Scheme explained by the Team, as described in Annex-5.
- 5-2. The Malawian side will take the necessary measures for smooth implementation of the Project, as a condition for the Japanese Grant Aid to be implemented.

#### 6. Schedule of the Study

If the Project is found feasible as a result of the Preliminary Study, JICA will send the Basic Design Study Team around November, 2004.

#### 7. Other relevant issues



#### 7-1. Overall framework of rural water supply and groundwater development in Malawi

The Malawian side explained that the Malawi Poverty Reduction Strategy Paper (PRSP) had set the target to raise water supply coverage from 65.5 % to 84% by the year 2005. In order to accomplish this target, the Malawian Government has been conducting the 7,000 Boreholes Construction Program. So far 6,087 boreholes (87% of the target number) have been constructed. The Malawian side will continue construction by seeking donors and harnessing local resources.

The Malawian Government has steadily advanced groundwater development projects and fully utilizes 5 sets of drilling rig procured by past Japanese Grant Aid, but due to the budgetary constraints, there remain a lot of needs to be fulfilled. The Project is expected to make contribution to this situation.

#### 7-2. Responsible and implementing agency

The new Malawian president, elected in May, has expressed the policy to decrease the number of ministries. Although the situation is uncertain so far, it might lead to a reorganization of the Ministry of Water Development.

The Team requested the Malawian side to keep the JICA Malawi Office informed of the abovementioned policy action. The Team explained that even if the Project was found feasible as a result of the Preliminary Study, the next step, the Basic Design Study, should be launched after the responsible and implementing agency was settled.

#### 7-3. Justification of the project site

The Malawian Government and its cooperating stakeholders are conducting the water point mapping called "Halving the Proportion of People without Access to Safe Water by 2015 – A Malawian Perspective". This inventory survey has already covered 1.5 million people in 35 Traditional Areas and 6 Districts, which is equivalent to 18% of the rural population of Malawi. The Project site, Lilongwe West, turned out to be the worst area with water supply coverage ratio of only 26%. This situation occurs presumably because no major water supply project has been done in this area.

The Team visited several villages in the Project site and found that people commonly used unprotected shallow wells and many patients of cholera and diarrhea had been observed. Hydrogeological condition is preferable for groundwater development and access is easy at least in dry season. The area is one of the most important and promising agricultural zones in Malawi cultivating mainly tobacco and maize.

Considering the above-mentioned present situation and observation results, the Project site,



Lilongwe West, is deemed appropriate selection for groundwater development project.

#### 7-4. Priority component of the Project

The Malawian side requested procurement of equipment including a set of drilling rig, borehole construction and technical support on Community Based Management (CBM) as components of the Project.

The Malawian side explained that a new drilling rig was necessary not only for this Project but also for other future programs. Existing 5 sets of drilling rig are well utilized but still insufficient in number to meet the vast needs of borehole construction. Private contractors are too expensive and government-owned machines can be operated by lower cost and quickly applied to emergency cases such as rescue for cholera-infected areas and flood-prone areas. The Team will consider the request through assessing preconceptual construction and equipment mobilization plan of the Project, operation and maintenance ability and possibility of future effective use. The Team also pointed out that the existing equipment procured by past Japanese Grant Aid should be also utilized in the Project.

As for the borehole construction, the Malawian side explained that the unit price of borehole construction used in the request submitted by the Malawian Government was local price when ordered to private contractors. The Team explained that the unit price of boreholes constructed under Japanese Grant Aid was quite likely to be more expensive than that of local contractors and NGOs. The Malawian side recognized this point and expressed that they highly evaluated the quality and sustainability of boreholes constructed by the previous Japanese Grant Aid projects. Upon this recognition, the Malawian side requested construction of boreholes.

Both sides agreed that rehabilitation of boreholes was not included in the request. The Team indicated that though they had observed mal-functional boreholes in Lilongwe West, the most common reason of breakdown seemed to be minor failure of handpumps and they should be solved by villagers in the context of CBM.

#### 7-5. Village selection

The Team explained that considering scale of Grant Aid and limited time period for the Basic Design Study, the number of villages to be surveyed in the Basic Design Study should be limited to around 250. The Malawian side agreed and promised to prepare a village list during the Team's stay.

The Team proposed criteria for village selection as follows and obtained a consensus of the Malawian side:

1) Villages with quite inadequate water supply conditions and urgent needs of improvement



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should be prioritized,

- 2) Village people should have positive willingness for CBM of a water supply facility,
- 3) Groundwater development should be possible from the view point of hydrogeology,
- 4) There should be no duplication with other organization's project,
- 5) Villages should be accessible by heavy equipment like a drilling rig or become accessible under responsibility of the Malawian side,
- 6) Populous villages should be prioritized considering cost effectiveness and capability of fundraising for operation and maintenance.

The Team strongly requested the Malawian side to coordinate their rural water supply projects with other organizations including MASAF and NGOs to avoid duplication.

The Team explained that not all the target villages for Basic Design Study would become target villages for construction because selection process would be underway during the Basic Design stage from the technical point of view. So explanation to villagers should be carefully managed to avoid excessive expectation.

#### 7-6. Technical assistance

The Malawian side explained that they requested technical assistance on CBM because the experience of CBM was still insufficient and more extension workers should be trained. The Team agreed to the importance of CBM approach and indicated following three points based on the observation through the field survey:

- 1) It is important to continue monitoring (follow-up) activities by extension workers after construction in order to provide appropriate guidance to villagers (especially Village Health Water Committees and Water Point Committees) and keep their motivation,
- 2) It is necessary to motivate villagers with mal-functional boreholes in order to rehabilitate boreholes and meet the target set in the PRSP,
- 3) It is desirable to inherit achievement and lessons of CBM promotion conducted in the Project for Development of Groundwater in Lilongwe-Dedza.

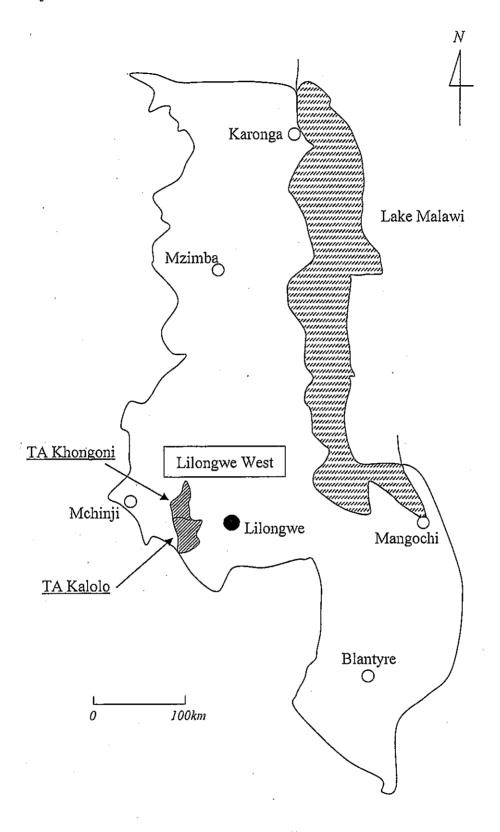
Necessity and detailed contents of the technical assistance should be examined further.

#### 7-7. Status of the Preliminary Study

The Team explained that the purpose of the Preliminary Survey was to collect information to verify the appropriateness of the requested Project and no commitment was made from the Japanese side concerning the realization of the Project. The Malawian side understood this status of the Preliminary Study.



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Water Supply and Sanitation (Handpump Research) Hydrogeologists Department Chief Research Officer Administration and Finance (Groundwater) Planning Unit Department Audit Unit Hydrogeologists (Research, Data) Deputy Director (Water Quality) Minister of Water Development ANNEX-2: Organization Chart of the Ministry of Water Development (Survey, Construction) Hydrogeologists Deputy Director (Surface Water) Lilongwe Water Board Blantyre Water Board Region Water Board Regional Offices Chief Groundwater Development Water Resources Department - Northern Region - Southern Region - Central Region Officer (Drilling Equipment) Deputy Director (Hydrogeology) Chief Driller 資-15



#### ANNEX-3: Items requested by the Malawian side

The main requested component of the Project is as follows:

### (1) Construction of boreholes

500 boreholes including apron, drain and washing slab

#### (2) Procurement of equipment

1) Drilling rig (truck mounted, 4 x 4)	1 unit
2) High pressure air compressor (truck mounted, 4 x 4)	1 unit
3) Mobile well development unit (4 x 4)	1 unit
4) Pumping test equipment	1 lot
5) Cargo truck with 5-ton crane (4 x 4)	1 unit
6) Cargo truck with 3-ton crane (4 x 4)	1 unit
7) Pick-up type light vehicle (single cabin, 4 x 4)	1 unit
8) Pick-up type light vehicle (double cabin, 4 x 4)	1 unit
9) Motorcycle	3 units
10) Global positioning system (GPS)	2 units
11) Water tank	1 unit
12) Fuel tank	1 unit
13) Telecommunication equipment	1 lot
14) Hand pump (Afridev type)	1 lot
15) Well casing and screen pipe	1 lot
16) Spare parts for the above equipment	1 lot
17) Repair parts and tools for the existing equipment supplied in the past groundwater development projects under Japanese aid	1 lot
18) Computer for well inventory	2 units

### (3) Technical assistance

- 1) CBM training for 500 committees
- 2) Training of extension workers



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# TRADITIONAL AUTHORITY KALOLO VILLAGES REQUIRING BOREHOLES - MAPUYU WARD

G.V.H KALOLO	VILLAGE NAME	POP		COMMENTS	PRIORITY VGE
1	Kansengwa	969	054877/	1 B/hole required	
1	1. (2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1		8451669		
2	Dzuluwanda	420	0541604/		
. ~	Dzajawania		8449539	1 B/hole required	
3	Chidzenje	304	0541876/		
J	. Johndzerije		8453100	1 B/hole required	<u> </u>
4	Kamangira	599	0540972/		
4	Tamang		8454500	1 B/hole required	
5	Guli-guli	1,497	0543604/	•	
<b>J</b>	Journ gain	·	8454702	1 B/hole required	
6	Nkhwambala	420	0543957/		
. 0	Milliania		8449584	1 B/hole required	
7	Chiziko	1,301	0545055/		
I	GIIIZIKO		8451748	1 B/hole required	<u> </u>
8	Nkhata	769	0546715/		
0	TANHALA		8452767	1 B/hole required	

O V II NIVENIRA	VILLAGE NAME	POP GRID	REF. COMMENTS	PRIORITY VGE
G.V.H. NYEMBA	Kampala	52 HH (314)	1 B/hole required	
	Chinsenga	68 HH (336)	1 B/hole required	
	Mthiko	72 HH (360)	1 B/hole required	
. 3	Mnkhowe	199 HH (490)	1 B/hole required	
	Mchilawankhondo	57 HH (387)	1 B/hole required	
6	Chisikwa	250 HH (1250	1 B/hole available	
U		Ì	1 B/hole required	

G.V.H. CHIBUNGO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. CHIBUNGO	Chibungo	334 HH (1670)		1 B/hole required	
2	Muyala	94 HH (471)		B/hole needs rehab.  1 B/hole required	
3	Phulamazira	200 HH (858)		1 B/hole required	
4	Gome	77 HH (539)		1 B/hole required	
5	Mpingo II	200 HH (1200)		1 B/hole required	
6	Kabwana	80 HH (1080)		1 B/hole available 1 B/hole required	
7	Madika	70 HH (490)	·	1 B/hole required	
8	Mzungu	62 HH (434)		1 B/hole required	
9	Mwagongonda	188 HH (1316)		1 B/hole required	
10	Mnjeza	64 HH (448)		1 B/hole required	
11	Pasankhwa	40 HH (280)		1 B/hole required	

A SELL ALUTINAL	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. CHITUWI		47 HH (490)		1 B/hole required	
1	Chituwi			1 B/hole required	
	Chakumbutsa	52 HH (364)			
	Chilembwe	52 HH (312)		1 B/hole required	
	Kanyoni	60 HH (422)		1 B/hole required	<u> </u>
4	Chisani	39 HH (273)		1 B/hole required	
5	Chitapangómbe	84 HH (588)		1 B/hole required	
6		69 HH (483)		1 B/hole required	
7	Kumtsizi			1 B/hole required	
8	Kamkuwe	56 HH (392)	<u> </u>	I Billole required	



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CALL MADUANADA	VILLAGE NAME	POP GRID	REF. COMMENTS	PRIORITY VGE
G.V.H. MPHAMBA		70 HH (352)	1 B/hole required	
	Sinsinja	39 HH (1234)	1 B/hole required	
2	Mandindi	76 HH (450)	1 B/hole required	
3	Ngalazuka		1 B/hole required	
4	Kamatira	94 HH (562)		<del></del>
5	Dambo	95 HH (573)	1 B/hole required	

## VILLAGES REQUIRING BOREHOLES - KAMANZI WARD

G.V.H CHAKUZAMUTU	VILLAGE NAME	POP		COMMENTS	PRIORITY VGE
G.V.H CHARDZAMOTO	V.H. Makala	2,100	0537332/	Too big	
'	·		08446542	1 B/hole required	
	V.H. Mizati	420	0539233/		
	V.I I. IVIZER		08444876	1 B/hole required	
3	V.H. Chipira Msanga	315	0536857/		
3	V., ii. C,iiip.i.a. iia		08447413	1 B/hole required	
4	V.H. Masekese	420			
	VII II III II		08447683	1 B/hole required	
5	V.H. Chipira Kakoma	1,880			
,			08448447	1 B/hole required	
6	V.H. Guli-guli I	455			
				1 B/hole required	
7	V.H. Chamoto	1,112			
,			08441784	1 B/hole required	
8	V.H. Kaziputa	690			
				1 B/hole required	
9	V.H. Geremani	1,120			
			8446757	1 B/hole required	<u> </u>

O VIII MAKIBAIDA	VILLAGE NAME	POP	GRID REF.		PRIORITY VGE
G.V.H. MKUWIRA	V.H. Mkuwira	2,940	0544233/	T/C B/hole available	
1	V.) I. WIKUWII a		8438117	1 B/hole required	
2	V.H. Nyanda	1,460	0542118/		
2	V.11. Ivyanaa		8437240	1 B/hole required	
3	V.H. Muzayani	549			
<b>3</b>	V,1 I, Wideayam		8437918	1 B/hole required	
	V.H. Chingóna	464	0543864		
4	V. T. Ollingona		8440238	1 B/hole required	
	V.H. Mzokoto	1,050	0545210/		
5			8439364	1 B/hole required	
6	V.H. Lawudani	770	0544452/		
0	V.I I. Barrasan		8437427	1 B/hole required	
7	V.H. Kalongopywera	749	054224/		
1	V. H. Raiongopy		843754	1 B/hole required	
	Mgulula	740			
8	INGUIUIA		8438639	1 B/hole required	
	Mtsinambuto - Kalata	359			
9	International Action		8439314	1 B/hole required	



G.V.H. CHADZA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	V.H. Chadza	100HH (562)		Borehole available	
,	VIII	, ,		1 B/hole required	·
2	V.H. Mawulana-Mkuwamba	329 + 149	0542156/		
_			8440065	1 B/hole required	
<del></del>	V.H. Ntchisi	315	0541531/		1
,		i	8439476	1 B/hole required	
	V.H. Mchawa	86 HH (512)	0541508/		
7			8443041	1 B/hole required	
5	V.H. Mlinga	49 HH (343)	0541091/		
Ŭ	,		8442788	1 B/hole required	
6	V.H. Psyipe	34 HH (235)	0542374/		
9			8442291	1 B/hole required	
7	V.H. Chingondo	74 HH (371)	0543198/		
,	V. 11	, ,	8443370	1 B/hole required	

G.V.H. CHIPANGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.FI. CHIFANGA	V.H. Chipanga	50 HH		1 B/hole required	
	V.H. Mchombo	47 HH		1 B/hole required	
3	V.H. M'bangombe	60 HH		1 B/hole required	
	V.H. Mlera	60 HH		1 B/hole required	
<u> </u>	V.H.Kamkwete	50 HH		1 B/hole required	
6	V.H. Andiseni	48 HH		1 B/hole required	

### VILLAGES REQUIRING BOREHOLES - KAPATSA WARD

G.V.H. SINUMBE	VILLAGE NAME	POP	GRID REF. COMMENTS	PRIORITY VGE
4	Nyozwe	200 HH (1400)	1 B/hole required	
	Sungamanja	109 HH (545)	1 B/hole required	
2	Mapira	104 HH (520)	1 B/hole required	
. 3	Kango	250 HH (1259)	1 B/hole required	
<u> </u>	Chigwasa	90 HH (950)	1 B/hole required	
6	Chapota	91 HH (540)	1 B/hole required	
7	Chilomo	190 HH (1146)	1 B/hole required	
	Gwani	99 HH (496)	1 B/hole required	
9	Kangulu	145 HH (725)	1 B/hole required	
10	Chimbwala	97 HH (482)		
11	Sinumbe	47 HH (329)	1 B/hole required	

11/1	LLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
0.4.11. (21/41/07/		55 HH (385)		1 B/hole required	
<u> </u>	osola	62 HH (310)		1 B/hole required	
	amu ankhulani	46 HH (323)		1 B/hole required	

VILLAGE NAME	POP	GRID REF. COMMENTS	PRIORITY VGE
	72 HH (432)	1 B/hole required	
	· · · · · · · · · · · · · · · · · · ·		
	VILLAGE NAME Dzama Yotamu Kanyopola Chafuta Jonasi Chinkhata	Dzama   72 HH (432)     Yotamu   72 HH (432)     Kanyopola   61 HH (429)     Chafuta   52 HH (370)     Jonasi   63 HH (443)	Dzama   72 HH (432)   1 B/hole required



G.V.H. LEMWE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. LEWIVVL	Kwezani	39 HH (348)		1 B/hole required	
1 2	Makoka	58 HH (354)		1 B/hole required	
	Kalichelo	47 HH (329)		1 B/hole required	
- J	Mthyothyo	70 HH (420)		1 B/hole required	
<del></del>	Chilima	54 HH (326)		1 B/hole required	
6	Jolamu	34 HH (238)		1 B/hole required	
<del></del>	Lusha	49 HH (343)		1 B/hole required	
<del></del>	Nyangulu	41 HH (284)		1 B/hole required	
9	Khoswe	34 HH (240)		1 B/hole required	

# VILLAGES REQUIRING BOREHOLES - NYANJA WARD

G.V.H. CHIKUDZULIRE	VILLAGE NAME	POP	GRID REF. COMMENTS	PRIORITY VGE
G.V.H. CHIKODZOLIKZ	Dzinia	43 HH (300)	1 B/hole required	
2	Mkanda	57 HH (341)	1 B/hole required	
2	Kadzani	72 HH (500)	1 B/hole required	
4	Mkoko	81 HH (482)	1 B/hole required	

G.V.H. SINUMBE	VILLAGE NAME	POP GF	RID REF. COMMENTS	PRIORITY VGE
G.V.H. SINOMBE	Kafunde	100 HH (700)	1 B/hole required	
	Mpondamwala	76 HH (456)	1 B/hole required	
	Kathumba	107 HH (642)	1 B/hole required	
3	Zuwande	97 HH (582	1 B/hole required	

### VILLAGES REQUIRING BOREHOLES - KACHAWA WARD

G.V.H. CHINKHUNDA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. CHINKHONDA	Chinkhunda Mnkawila	49 HH (340)		1 B/hole required	<u> </u>
	Dzowoie	50 HH (344)		1 B/hole required	
2		71 HH (426)		1 B/hole required	
3	Kalonga	42 HH (293)		1 B/hole required	
4	Wotchi	40 HH (289)		1 B/hole required	
5	Thomasi	61 HH (366)		1 B/hole required	
6	Kwenje			1 B/hole required	
7	Chizula	72 HH (490)		1 B/hole required	
8	Semu	63 HH (369)			
9	Khwema	78 HH (538)		1 B/hole required	<del></del>
10	Mdabwi] I Bokola	65 HH (387)	<u> </u>	1 B/hole required	<u> </u>

DAVIL CHIMEOLO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. CHIMSOLO	Mliwu	69 HH (470)		1 B/hole required	<u> </u>
1	Dovu	35 HH (250)		1 B/hole required	
	Chithangile	57 HH (380)		1 B/hole required	
3	Madumza	33 HH (234)		1 B/hole required	
4		45 HH (295)		1 B/hole required	
5	Setezani	35 HH (243)		1 B/hole required	
[ 6 _	Mphoyo	1 00 / 11 (2 10)	L—	<u> </u>	··

	VILLAGE NAME	POP	GRID REF. COMMENTS	PRIORITY VGE
G.V.H.MASUMBA	Samijoni	31 HH (219)	1 B/hole required	
1		50 HH (347)	<del>                                     </del>	
2	Manthalu	71 HH (423)		
3	Chaponda	32 HH (231)		
4	Chitini	47 HH (236)	<u> </u>	
5	Pitilosi	47 111 (2.00)	1 2711010 1043111	





6	Manjawila	51 HH (349)	1 B/hole required	
7	Chikalipo	68 HH (341)	1 B/hole required	
8	Lendemani	99 HH (493)	1 B/hole required	
9	Dziko	31 HH (220)	1 B/hole required	

G.V.H. MPHUNDA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Malumbila	64 HH (322)		1 B/hole required	
2	Mkozomba	67 HH (336)		1 B/hole required	
3	Mkanthama	71 HH (356)		1 B/hole required	
4	Zakaliya	62 HH (309)		1 B/hole required	
5	Chipozongo	59 HH (297)		1 B/hole required	
6	Mndawula	40 HH (245)	-	1 B/hole required	
7	Chisindo	42 HH (215)		1 B/hole required	
8	Palimtima	67 HH (400)		1 B/hole required	
9	Makanga	59 HH (295)		1 B/hole required	
10	Gundamtengo	46 HH (274)		1 B/hole required	<u></u>
11	Chimlota	61HH (307)		1 B/hole required	
12	Chibweza	42 HH (251)		1 B/hole required	
13	Chasa	52 HH (125)		1 B/hole required	
14	Mndulu	69 HH (343)		1 B/hole required	



# VILLAGES REQUIRING BOREHOLES - G.V.H. KHONGONI

G.V.H. KHONGONI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
.1	Khongoni	351		1 B/hole required	
2	Kambuyawa	650		1 B/hole required	
3	Mbalame	67 HH 303		1 B/hole required	
4	Kanjanja	320		1 B/hole required	
5	Kafanikhale	35 HH 201		1 B/hole required	
6	Kanzota	56 HH 240		1 B/hole required	<u> </u>
7	Masitala - Maria	28 HH 320		1 B/hole required	
8	Levi	300		1 B/hole required	· .
9	Mweziwauma	70 HH 350		1 B/hole required	<u> </u>
10	Mandelo-Mika	40 HH 320		1 B/hole required	
11	Chateka II	37 HH 290		1 B/hole required	
12	Kachilikiza	350		1 B/hole required	

G.V.H. MSINDE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Msinde	34 HH 250		1 B/hole required	
	Benjamani	37 HH 300		1 B/hole required	
3	Utabwalero	74 HH 230		1 B/hole required	
4	Chisumphi	64 HH 225		1 B/hole required	
5	Chiwoko	80 HH 220		1 B/hole required	-
6	Biliyati - Tenge	21 HH 228		1 B/hole required	
7	Chabvunga I	74 HH 240		1 B/hole required	
8	Chabyunga Tchemba	52 HH 225		1 B/hole required	
9	Bisayi	20 HH 251		1 B/hole required	
10	Chiwanga	17 HH 266		1 B/hole required	
11	Chilalo	40 HH 290		1 B/hole required	
12	Nkhombokombo	· 44 HH 300		1 B/hole required	
13	Mkwapa	280		1 B/hole required	
14	Waya	90 HH 299		1 B/hole available	, ,
, ,				1 B/hole required	
15	Chimbwi	234HH 234		1 B/hole required	
16	Kangunje	52 HH 271		B/hole needs rehab.	
10	,			1 B/hole required	
17	Chiponde	38 HH 228		1 B/hole required	

G.V.H. MATEKWE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. WATERVE	Matekwe	261		1 B/hole required	
7	Kantugwala-Chimpesi	56 HH 460		2 B/holes required	
3	Mmbamwana	45 HH 300		1 B/hole required	
4	Mkhuta	379	• .	1 B/hole required	
<del></del>	Kaphukira	220		1 B/hole required	
6	Kambudzi	989		1 B/hole available	
0	Kambudzi			2 B/holes required	
7	Chitindi	480		2 B/holes required	
8	Salima	56 HH 447		B/hole needs rehab.	
ŏ	Sallitia			2 B/holes required	
	Kapudzama	95 HH 780		B/hole needs rehab.	
9	Kapuuzama			2 B/holes required	
10	Chalonga	89HH 1058		B/hole needs rehab.	
	Chalonya			3 B/holes required	
	Chaina Maiala	450		2 B/holes required	
11	Chaipa-Mnjale	1 700		<u> </u>	



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12	Mawele	230	1 B/hole available
13	Mtabyu	450	1 B/hole available
15	Tyrta D V G		2 B/holes required
13	Imfa	500	1 B/hole available
10	13 Imra		2 B/holes required
11	14 Chithemba	380	B/hole needs rehab.
177			1 B/hole required

G.V.H. VIZIMBA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Vizimba I	250		1 B/hole required	
2	Kansana	230		2 B/holes available	
2	Naferanji	_ 480	•	1 B/hole available	
	, varoranji	•		1 B/hole required	
4	Galangómbe	220		B/hole needs rehab.	
4	Calangonibo			1 B/hole required	
5	Mpani	230		1 B/hole available	
5	IMPAIN			1 B/hole required	
6	Mtambwa	240	-	1 B/hole required	
, 7	Njolo	245		1 B/hole required	
8	Lumwira !!	225		1 B/hole required	
9	Kambale	250		1 B/hole required	
10	Kwecherani	236		1 B/hole required	
11	Tchabadali	237		1 B/hole required	
12	Chibowa	258		1 B/hole required	
13	Mitala	228		1 B/hole required	
<u></u>	Katugwa	350		1 B/hole required	
15	Nyololo	240		1 B/hole required	

G.V.H. NYANGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.⊓. NTANGA	Nyanga	426	·	2 B/holes required	
	Chinzali	44 HH 236		1 B/hole required	
2	Vizimba II	230		1 B/hole required	
<u></u>	Kalumbi	418		B/hole needs rehab.	
4	Talallio I	:		2 B/holes required	
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		

G.V.H. CHIPENI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. CHIPEN	Chipeni	333HH 2000		1 B/hole available	
, 1	Chipeni			2 B/holes required	
2	Gulumba	107 HH 645		2 B/holes required	
2 3	Sixpence/Nabuzi	123 HH 750		2 B/holes required	
<u> </u>	Masantchi/Salale/Chimbaka	142 HH 850		2 B/holes required	
5	Williamu/Jasiteni/Nthochi	105 HH		2 B/holes required	
	Mapulesi/Labisoni/Kapichila	30 HH 240		1 B/hole required	
	Mwambakulu/Chinguwo	45 HH 269		1 B/hole required	
8	Zamula/Jere	52 HH 307		1 B/hole required	
<u> </u>	Nganga/Mtsilo Chifuka	42 HH 249		1 B/hole required	<u> </u>





G.V.H. MALENGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. WALENGA	Mndimbanazo-Chimbalu	70 HH 331		1 B/hole required	<u> </u>
	Kamende	20 HH 260		1 B/hole required	
2	Gulo-Chimphwanya I	40 HH 222		1 B/hole required	
3	Chiwaya	14 HH 227		1 B/hole required	
	Sambani	20 HH 231		1 B/hole required	
6	Kachilikiza	27 HH 239		1 B/hole required	
7	Pambwe	31 HH 220		B/hole needs rehab. 1 B/hole required	
8	Karonga	70 HH 233		1 B/hole required	
9	Makhaza-Dembo	36 HH 203		1 B/hole required	

G.V.H. VUNGUTI	VILLAGE NAME	POP GRID REF		PRIORITY VGE
1	Bulaundi	40 HH	1 B/hole required	

G.V.H. MANGILIRA	VILLAGE NAME	POP	GRID REF.		PRIORITY VGE
4	Mangilira	205 HH 1230		B/hole needs rehab.	
1	·			3 B/holes required	
2	Mthumba	96 HH 579		2 B/holes required	
3	Zokoto	124 HH 748		2 B/holes required	
	Kalama	112 HH 670		B/hole needs rehab.	
4	Kalaina			1 B/hole required	
	Nthondo II - Chimbidzi	50 HH 300		1 B/hole required	
5 6	Mtoso	40 HH 240		1 B/hole required	<u> </u>
7	Timoti	39 HH 235		1 B/hole required	
	Chawo	43 HH 257		1 B/hole required	
8	Chimnofu	41 HH 243		1 B/hole required	
9	Mazongoti-Thekenya	51 HH 306		2 B/holes required	
10	Mazorigoti-Triekchya	01,111	•	(1 to share)	
	Mtembe	40 HH 241		1 B/hole required	
11	Kaluzi-Lamuele	52 HH 314		B/hole needs rehab.	
12	Kaluzi-Lamuele			1 B/hole required	
40	Galeta			1 B/hole required	
13	Daimoni	57 HH .341		(to share among 3	
				Villages)	
	Chulu	39 HH 232		1 B/hole required	
14	Shawa	39 HH 233		1 B/hole required	
15	Gwetse	39 HH 230		1 B/hole required	
16	Chipwenkha	38 11F1 Z30		1 2///010 / 24/01/04	

ı	G.V.H. TIMKWEJE	VILLAGE NAME	POP	GRID REF. COMMENTS	PRIORITY VGE	
	G.V.H. TIMKWEJE	Timkweje	42 HH (250)	1 B/hole required		
		Chilembwe	42 HH (250)	1 B/hole required		
- 1	2	Cilienipwe	12 1111 (45-7)			

CALL NICHWANGWI	VILLAGE NAME	POP	GRID REF. COMMENTS	PRIORITY VGE
G.V.H. NKHWANGWI	Nkhwangwi II	40 HH (240)	1 B/hole required	
	Mbewa	42 HH (250)	1 B/hole required	
3	Mtabvu	42 HH (250)	1 B/hole required	



Com

G.V.H. CHATEKA	VILLAGE NAME	POP	GRID REF	COMMENTS	PRIORITY VGE
G.V.H. CHATENA	Chateka	36 HH 230		B/hole needs rehab.	
l	Chatena	001111	Ί	1 B/hole required	
2	Mtsilo Chisaka	19 HH 290	<del>,  </del>	1 B/hole required	<u> </u>
3	Kambiya	37 HH 240		1 B/hole required	
	Kasera	17 HH 290	1	1 B/hole required	<u> </u>
<u>4</u> 5	Ngolovani	24 HH 240		1 B/hole required	
6	Mbeza	30 HH 280		1 B/hole required	
7	Sikoti	20 HH 271		1 B/hole required	
. 8	Chatonda- Tuli	23 HH 253		1 B/hole required	
9	Chungu-Tchemba	24 HH 269		1 B/hole required	
10	Chikoma	40 HH 273		1 B/hole required	
10	Clikoma	101111 210	<u> </u>		
G.V.H. KATENJE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Sitambo	55 HH 219		B/hole needs rehab.	
•				1 B/hole required	
G.V.H. MKUWIRA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mkuwira I	52 HH 229		1 B/hole required	
2	Mkuwira II	209		1 B/hole required	
3	Monjo-Mduluza	90 HH 210		2 B/holes required	
G.V.H. KASIYA	VILLAGE NAME	POP	GRID REF.		PRIORITY VGE
1	Kasiya	39 HH 234		1 B/hole required	
2	Mbewa II	58 HH 345		1 B/hole required	
3	Lombwa	42 HH 250		1 B/hole required	
4	Chizewe	66 HH 300		1 B/hole required	
5	Mwachipula	62 HH 372		1 B/hole required	
. 6	Kakhutantaya-Kalitsilo	83 HH 500		2 B/holes required	<del></del> -
7	Sajiwa	38 HH 230		1 B/hole required	
8	Nthala-Gomani	63 HH 380		1 B/hole required	
9	Bitoni	40 HH 238		1 B/hole required	
10	Mtswati	78 HH 478		2 B/holes required	
				001115150	
G.V.H. KASANDA	VILLAGE NAME				PRIORITY VGE
1	Chimkwapa	230		1 B/hole required	
2	Chonde	240		1 B/hole required	
. 3	Mphandu	235		1 B/hole required	
	har a of Marae	POP	CDID DEE	COMMENTS	PRIORITY VGE
3.V.H. MTSWATI	VILLAGE NAME	40 HH 230		Broken B/hole	FRIORITI VOL
1	Mtswati	40 HH 230	1	1 B/hole required	
<u></u>		50 HH		1 B/hole required	
2	Mafuta	30 HH		B/hole needs rehab.	
. 3	Mtauka	30 חח	<b>I</b>	1 B/hole required	
				B/hole needs rehab.	
4	Nyanda	20 [11]	1	1 B/hole required	
	Chipuka	38 HH		3/hole needs rehab.	
5	Kanjuluwende	280	I		
				1 B/hole required	
_	1 D b	, , ,			





70 HH

1 B/hole required

Pashane

Nkhulange

G.V.H. JAUZALE	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kamphangale	40 HH (280)		1 B/hole required	
	Tchendekutuwa	45 HH (271)		1 B/hole required	
	Kabudula	57 HH (390)		Broken B/hole	
· ·				1 B/hole required	
4	Mphangula	45 HH (272)		1 B/hole required	
	Chambala I	40 HH (280)		B/hole needs rehab.	<u> </u>
	<b>3</b> ,			1 B/hole required	
	Pute	42 HH (252)		1 B/hole required	
<del>7</del>	Chinthuta	46 HH (230)		1 B/hole required	

G.V.H. MSTINDO	VILLAGE NAME	POP	GRID REF	COMMENTS	PRIORITY VGE
1	Mstindo II	51 HH (250)		1 B/hole required	
2	Elefani	41 HH (245)		1 B/hole required	
3	Ndaya	40 HH (241)		1 B/hole required	
4	Ziyendammanja	70 HH (350)	·	1 B/hole required	
5	Yeneya	32 HH (222)		1 B/hole required	
. 6	Kachelenga	38 HH (228)		1 B/hole required	

G.V.H. MADZONGA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Madzonga	117 HH (700)		2 B/holes available	
<b>'</b> .				I B/hole required	i
2	Mgulumula	11 HH (460)		1 B/hole required	
3	Mnkhunyungu	71 HH (430)		Broken B/hole	
3				water quality not	1
	· ·			good.	İ
				I B/hole required	
4	Chikweteza	56 HH (333)		1 B/hole required	
5	Mlamba - Makina	89 HH (535)		2 B/holes required	
6	Mwadzimbi	110 HH (660)		2 B/holes required	
7	Chimphepo	57 HH (340)		1 B/hole required	

G.V.H. NDALAMA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Ndalama/Chisaka	35 HH (254)		1 B/hole required	
2	Njombiro Chiuzeni II	59 HH		1 B/hole required	
3	Malowo	32 HH (230)		1 B/hole required	
4	Chibwalo	41 HH (306)		1 B/hole required	
5	Mzuza	32 HH (225)		1 B/hole required	
6	Kalipande	42 HH (300)		1 B/hole required	
$\frac{}{}$	Kachipanda	42 HH (301)		1 B/hole required	
8	Binisoni/Chule	33 HH (228)		1 B/hole required	
9	Josamu	30 HH (224)		1 B/hole required	<u> </u>

G.V.H. MTAYAMATALALA	VII LAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
	Mtayamatalala	40 HH (278)		1 B/hole required	
	Magolowondo	42 HH (251)		1 B/hole required	
2	Mkwekwete	42 HH (253)	<del>}</del>	Broken B/hole	
3	MIKAACKAACKO			1 B/hole required	·
	Mofati	39 HH (234)		1 B/hole required	
4	INIOIALI	00 (20 .)	l	<u> </u>	·





G.V.H. BONDO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Bondo	56 HH (365)		1 B/hole required	
2	Mkuweya	32 HH (224)		1 B/hole required	
3 .	Chakale/Thanthwe	30 HH (241)		1 B/hole required	
4	Kamtande Chilalo	31 HH (236)		1 B/hole required	·
5	Kafiti	36 HH (227)		1 B/hole required	
6	Chikusa	30 HH (229)		1 B/hole required	

G.V.H. CHIMTOLO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chimtolo	30 HH (208)		B/hole needs rehab.	
•				1 B/hole required	
2	Chikwa	40 HH (300)		1 B/hole required	
3	Kazambala	41 HH (315)		1 B/hole required	
4	Sikisi	31 HH (230)		1 B/hole required	
5	Chiphesi/Tchima	58 HH (240)		1 B/hole required	

G.V.H. CHIGOWO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Chigowo	41 HH (306)		1 B/hole required	
2	Kaphiri	51 HH (450)		1 B/hole required	
3	Mayani	31 HH (260)		1 B/hole required	
4	Mkwenya/Chiliwawa	56 HH (280)		1 B/hole required	
5	Kamtengo	47 HH (360)		1 B/hole required	
6	Misiyasi	33 HH (290)		1 B/hole required	
7	July	34 HH (270)		1 B/hole required	
8	Timoti	191 HH (360)		1 B/hole required	·
9	Chadzunda	58 HH (450)		2 B/holes required	
10	Loti	43 HH (370)		1 B/hole required	
11	Chinjili	39 HH (340)		1 B/hole required	

G.V.H. KANJEZA	VILLAGE NAME	POP	GRID REF. COMMENTS	PRIORITY VGE
1	Kanjeza	42 HH (250)	1 B/hole required	
2	Thema	. 83 HH (500)	2 B/holes required	
3	Nkhoka	73 HH (435)	1 B/hole required	
4	Chilowa	78 HH (478)	2 B/holes required	
5	Katsano	81 HH (488)	2 B/holes required	

G.V.H. SAKALI	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Sakali	34 HH (250)		1 B/hole available	
2	Sambo/				
	Chimtemwende	57HH		1 B/hole required	
3	Chambala II	39 HH (290)		1 B/hole required	
4	Kapale	37 HH (260)		1 B/hole required	
5	Mwanjaule	32 HH (230)		1 B/hole required	
6	Kachelenga	34 HH (240)		1 B/hole required	
7	Lumwira I	37 HH (260)		1 B/hole required	
8	Msiwa/Kachikopa	32 HH (230)		1 B/hole required	
9	Chiuzeni	34 HH (250)		1 B/hole required	
10	Kamtepa	37 HH (260)		1 B/hole required	
11	Kambamula	31 HH (220)		1 B/hole required	
12	Mdamveranji	32 HH (230)		1 B/hole required	
13	Kachule	37 HH (270)		1 B/hole required	
14	Jabesi	32 HH (230)		1 B/hole required	
15	Tchete	34 HH (250)		1 B/hole required	
16	Chidandale	37 HH (260)		1 B/hole required	



17	Malembo/Milliyoni	37 HH (260)	1 B/hole required
18	Chidzungu/Chakhwinyata	37 HH (260)	1 B/hole required
19	Sameta	32 HH (232)	1 B/hole required
20	Kathyola	32 HH (230)	1 B/hole required .
20	reality or a	\$2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

G.V.H. KAWALIKA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Kawalika	70 HH (320)		(Climax broken)	
· ·				1 B/hole required.	_
. 2	Mwase	50 HH (350)		1 B/hole required	
3	Milala	60 HH (360)		1 B/hole required	
4	Msema	69 HH (345)		(Climax broken)	<b>j</b>
7	1	, ,		1 B/hole required.	
5	Chilufu	72 HH (360)		1 B/hole required	
6	Samisoni	51 HH (253)		1 B/hole required	
7	Madziamoto	39 HH (234)		1 B/hole required	
8	Chikaunga	45 HH (263)		1 B/hole required	
9	Kadyalu	62 HH (372)		1 B/hole required	
10	Mnkhadze	49 HH (294)		1 B/hole required	
11	Chibondo	56 HH (335)		1 B/hole required	
12	Chidzuma	39 HH (233)		1 B/hole required	
13	Kabondo	49 HH (293)		1 B/hole required	
14	Kaluzi I	32 HH (228)		1 B/hole required	
15	Chimombo II	50 HH (250)		1 B/hole required	
16	Mwakundi	42 HH (250)		1 B/hole required	

G.V.H. MAKOWA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Makowa	95 HH (589)		B/hole needs rehab.	
ľ				1 B/hole required	
2	Мрауа	98 HH (586)		2 B/holes required	
3	Kasi Tomo	82 HH (492)		2 B/holes required	
4	Mpondamwala	74 HH (446)		2 B/holes required	
5	Kasalika	61 HH (364)		1 B/hole required	
6	Tumeyo	65 HH (392)	·	2 B/holes required	
7	Kawodlera I	72 HH (431)		B/hole needs rehab.	
•	•			1 B/hole required	
8	Mapondera	60 HH (359)		1 B/hole required	
9	Chawina	80 HH (474)		1 B/hole required	
10	Chizeze	58 HH (347)		1 B/hole required	
11	Mangani	58 HH (347)		1 B/hole required	
12	Msaphana	49 HH (294)		1 B/hole required	
13	Kuthengo	54 HH (322)		1 B/hole required	
14	Mchilawankhondo	42 HH (249)	_	1 B/hole required	
15	Mkhumbira	61 HH (367)		1 B/hole required	
16	Gaweni	42 HH (253)		1 B/hole required	
17	Kamkota	41 HH (248)		1 B/hole required	
18	Mchilamphando	40 HH (239)		1 B/hole required	
19	Phinifolo	49 HH (291		1 B/hole required	
20	Kaodzera II	82 HH (493)		2 B/holes required	<u> </u>
21	Ngalize	54 HH (322)		1 B/hole required	
22	Chimpala	58 HH (346)		1 B/hole required	
23	Kamapalira	50 HH (298)		1 B/hole required	
24	Dzonzi	61 HH (364)		1 B/hole required	
25	Chadzunda	76 HH (455)		1 B/hole required	
26	Mikili	54 HH (324)		1 B/hole required	





27	Thauzeni	54 HH (336)	1 B/hole required
28	Jeke	53 HH (319)	1 B/hole required
29	Solomoni	36 HH (214)	1 B/hole required
30	Bwanali	53 HH (316)	1 B/hole required
31	Kasawa	49 HH (294)	1 B/hole required
32	Kazembe	44 HH (264)	1 B/hole required
33	Bwelera	38 HH (227)	1 B/hole required
34	Mafola	66 HH (395)	1 B/hole required

G.V.H. MALEMBO	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Malembo	41 HH (245)		1B/hole required	
2	Salamba	35 HH (210)		B/hole needs rehab. 1B/hole required	
.3	Jesemani	48 HH (250)		1 B/hole required	
4	Sapulayi	86 HH (516)		1 B/hole required	<u> </u>

G.V.H. MWANDA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Mwanda	259 HH		1 B/hole required	
2	Msampha	230 HH		1 B/hole required	
3	Kameta	240 HH		1 B/hole required	
	Mabutao/Jezikamale	255 hh		1 B/hole required	
5	Chilemba	35 HH (245)		1 B/hole required	
6	Chikakula	30 HH (215)		B/hole needs rehab.	
Ö	O'llikakula .	,		1 B/hole required	
7	Mngómbe	31 HH(225)		1 B/hole required	
8	Gobede	32 HH (230)		1 B/hole required	
9	Chikafa	34 HH (241)		1 B/hole required	
10	Joni	35 HH (247)		1 B/hole required	
11	Chigumula	35 HH (249)		1 B/hole required	
12	Damaseke	36 HH (251)	, ·	1 B/hole required	
13	Kamtimaleka	32 HH (237)		1 B/hole required	
14	Chakwera	32 HH (239)		1 B/hole required	
14 15	Kadzilange	36 HH (251)		1 B/hole required	

G.V.H. KAPUNDU	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.H. NAFONDO	Chibvina	41 HH (291)		1 B/hole required	·
2	Kasoni	36 HH (250)		1 B/hole required	
2	Gungulu	40 HH (281)		1 B/hole required	
<u> </u>	Mkwanda	36 HH (230)		1 B/hole required	<u> </u>
<del></del>	Chikhazika	32 HH (230)		1 B/hole required	
	Kapatamoyo	30 HH (242)		1 B/hole required	
7	Kadawe	34 HH (242)		1 B/hole required	

G.V.H. NJAKWA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
G.V.A. NJAKVA	Mazengera	84 HH (418)		1 B/hole required	
2	Kakoloweko	51 HH (306)		B/hole needs rehab.	
	Chingóma	36 HH (214)		1 B/hole required	





G.V.H. KAPANGALIKA	VILLAGE NAME	POP	GRID REF.		PRIORITY VGE
1	Kapumphu	50 HH (250)		1 B/hole required	
2	Zambwe	40 HH (280)		1 B/hole required	
3	Champula	41 HH (280)		1 B/hole required	<u> </u>
4	Mdatsekako	54 HH (320)		1 B/hole required	
5	Kachera	65 HH (400)		1 B/hole required	
6	Changwe	68 HH (410)		1 B/hole required	
7	Msipu	53 HH (260)		1 B/hole required	
8	Mthunzi	50 HH (260)		1 B/hole required	
9	Mtsambewu	21 HH (230)		1 B/hole required	
10	Khambako	33 HH (240)		1 B/hole required	
11	Chimphako	50 HH (300)		1 B/hole required	
12	Siki	48 HH (290)		1 B/hole required	
13	Mkusa	41 HH (260)		1 B/hole required	
14	Mkwinda	54 HH (330)		1 B/hole required	
15	Msungata	69 HH (370)		1 B/hole required	
16.	Khofi	63 HH (380)		1 B/hole required	
17 .	Makwembe	60 HH (381)		1 B/hole required	
18	Phetera	60 HH (302)	•	1 B/hole required	
19	Mwambakulu	65 HH (400)		1 B/hole required	
20	Mwamulu	69 HH (360)		1 B/hole required	
21	Nkhawa	52 HH (320)		1 B/hole required	
22	Kakhomba	40 HH (240)		1 B/hole required	

G.V.H. DZUWA	VILLAGE NAME	POP	GRID REF.	COMMENTS	PRIORITY VGE
1	Dzuwa	47 HH (280)		1 B/hole required	
2	Kanthengénde	41 HH (245)		1 B/hole required	
3	Mkangala	46 HH (274)		1 B/hole required	
4	Tholoko	43 HH (256)		1 B/hole required	
5	Kamchila	40 HH (237)		1 B/hole required	<u> </u>
. 6	Mnjonjo	49 HH (293)		1 B/hole required	
7	Chumachiyenda	41 HH (245)		1 B/hole required	
8	Chinyama	40 HH (240)		1 B/hole required	
9	Chiphaliwali	42 HH (251)		1 B/hole required	
10	Mankhokwe	42 HH (251)		1 B/hole required	
11	Chingundwe	41 HH (243)		1 B/hole required	·
12	Chasama	45 HH (268)		1 B/hole required	
13	Kachipande	40 HH (240)		1 B/hole required	
14	Chinomwe	37 HH (220)		1 B/hole required	



#### ANNEX-5: JAPAN'S GRANT AID SCHEME

- 1. Grant Aid Procedure (Attachment 1)
- 1) Japan's Grant Aid Program is executed through the following procedures.

Application (Request made by a recipient country)

Study (Basic Design Study conducted by JICA)

Appraisal & Approval (Appraisal by the Government of Japan and Approval by Cabinet)

Determination of (The Notes exchanged between the Governments of Japan

Implementation and the recipient country)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request. If necessary, JICA send a Preliminary Study Team to the recipient country to confirm the contents of the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Programme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

#### 2. Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:

- a) confirmation of the background, objectives and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation;
- b) evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from the technical, social and economic points of view;
- c) confirmation of items agreed on by both parties concerning the basic concept of the Project;
- d) preparation of a basic design of the Project; and
- e) estimation of costs of the Project.





The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

#### 2) Selection of Consultants

For the smooth implementation of the Study, JICA uses a consulting firm selected through its own procedure (competitive proposal). The selected firm participates the Study and prepares a report based upon the terms of reference set by JICA.

At the beginning of implementation after the Exchange of Notes, for the services of the Detailed Design and Construction Supervision of the Project, JICA recommends the same consulting firm which participated in the Study to the recipient country, in order to maintain the technical consistency between the Basic Design and Detailed Design as well as to avoid any undue delay caused by the selection of a new consulting firm.

#### 3. Japan's Grant Aid Scheme

1) What is Grant Aid?

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

#### 2) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

3) "The period of the Grant" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed.

However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

4) Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.



However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

- 5) Necessity of "Verification"
  - The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability of Japanese taxpayers.
- 6) Undertakings required to the Government of the recipient country (Attachment 2)
  - a) to secure a lot of land necessary for the construction of the Project and to clear the site;
  - b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities outside the site;
  - c) to ensure prompt unloading and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid;
  - d) to exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts;
  - e) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work;
  - f) to ensure that the facilities constructed and products purchased under the Grant Aid be maintained and used properly and effectively for the Project; and
  - g) to bear all the expenses, other than those covered by the Grant Aid, necessary for the Project.
- 7) "Proper Use"
  - The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them as well as to bear all the expenses other than those covered by the Grant Aid.
- 8) "Re-export"
  - The products purchased under the Grant Aid shall not be re-exported from the recipient country.
- 9) Banking Arrangement (B/A)
  - a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts.
  - b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay (A/P) issued by the Government of recipient country or its designated authority.



FLOW CHART OF JAPAN'S GRANT AID PROCEDURES

	FLOW CHART OF JAPAN'S GRANT AID	LKU	CENT	irre2		,	
Stage	Flow & Works	Recipient Government	Japanese Government	JICA	Consultant	Contractor	Others
Application	Request  (T/R : Terms of Reference)  Screening of Project Project Identification Survey						
Project Formulation &  Preparation  Prediminary	Basic Design Contracting of Field Survey Home						
Appraisal & Approval	Appraisal of Project  V  Inter Ministerial Consultation  V  Presentation of Draft Notes  V  Approval by the Cabinet						
Implementation	Consultant Verification Issuance of						
Evaluation & Follow up	Operation  Post Evaluation Study  (A/P : Authorization to Pay)  Ex-post Evaluation Follow up						





### Major Undertakings to be taken by Each Government

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To secure land	·	•
	To clear, level and reclaim the site when needed		•
3	To construct gates and fences in and around the site when needed		•
	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		•
	2) Payment commission		•
	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	Marine (Air) transportation of the products from Japan to the recipient country	•	
	Tax exemption and custom clearance of the products at the port of disembarkation	·	• .
	Internal transportation from the port of disembarkation to the project site	(•)	(•)
	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		
	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		•
	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for the transportation and installation of the equipment		

(B/A: Banking Arrangement, A/P: Authorization to Pay)





### 資料6 収集資料リスト

# 添付資料 収集資料リスト (■収集資料/□専門家作成資料)

主管部長	文書管理課長	<b>登談</b> 吳丰	<b>子都田田路</b>	技術情報課長	図書館受入日
			٠		

7	$\int$	プロジェクトID	524-5040-6-0	調査団番号			
国名	マラウイ国	配属機関名	水開発省	現地調査期間又は派遣期間	H16年6月20日~H16年7月10日	担当者氏名	松本

排	資料の名称	形態(図書、ピデナ、 地図、写真等)	収集 資料	専門家作 JICA作成資料	JICA作及政策	採朴	発行機關	取极区分	図客館記入覧
<	統計資料、法令・基準、マニュアル等								
A-1	1998 Malawi Population and Housing Census	図	*				National Statistical Office	JR-CR( )-SC	
A-2	Community Based Management (CBM)	を 図 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	*				Ministry of Water Development	JR.CR( ).SC	
A-3	Community Based Rural Water Supply, Sanitation and Hygiene Education, IMPLEMENTATION MANUAL, 1999	图	*				Ministry of Water Development	JR.CR( ).SC	
									and the second s
8	開発計画関連報告書								
B-1	Malawi Poverty Reduction Strategy Paper, 2002	CD-R	*				Ministry of Finance and Economic Planning	JR·CR( )·SC	
8-2	Halving the Proportion of People without Access to Safe Water by 2015, 2004 (Water Point Mapping Survey)	וויל	*				JICAマラウイ事務所	R·CR( )·SC	
B-3	<del>,</del>	יות	*				Inter Aide (NGO)	JR.CR( ).SC	
B-4	Water Point Mapping Survey Improved Water Point Density Map of Kalolo and Khongoni Tas, A3図面2枚	オリジナル	*		-		Water Aid (NGO)	JR-CR( )-SC	
ပ	他ドナー、NGO関係資料						-	,	
7	Inter Aide 2003年活動評価報告書	ו ה	*				Inter Aide (NGO)	JR·CR( )·SC	
_	民間コンサルタント関連資料			'					
D-1	Salephera Consulting Ltd 会社紹介	נו קר	*				Salephera Consulting Ltd	JR·CR( )·SC	
									•

添付資料 収集資料リスト (■収集資料/□専門家作成資料)

土簡都長	文書管理課長	主管碟長	倩報管理課長 4	技術情報課長	図書館受入日

	/	<u>/</u>	プロジェクトID	524~5040-G-0	0-0		體	調査団番号	中				
	国名 マラウイ国		配兩機関名	水開発省	3.m	現	現地調査期間又は派遣期間	期間又は	t 派遣.	間   H16年6月20日~H16年7月10日   担当者氏名	2名 松本		
													_
樽 吹.	体	草の	名 称	形態(図) 地図	形態(図書、ビデオ、収集 地図、写真等) 資料		専門家作 JICA作 成資料 成資料		74.7.1	発行機関	取扱区分	図眷館記入覧	
ш	地図関連資料												
E-1	1/250,000 地形図 (Lilongwe)	(gwe)		<u></u> ₩	オリジナル	*				Department of Syrveys Branch and Department of Syrveys	JR-CR( )-SC		
E-2	1/100,000 地質図幅 (Muchinji-Upper Bua Area)	chinji-L	Ipper Bua Area)	U.K	オリジナル	*				Ministry of Natural Resources and Environmental Affairs, Geological Survey Department	JR.CR( ).SC		
E-3	1/250,000 水理地質調査図 (Dedza)	(Dec	Za	П	ם ול 	*				ronmental	R·CR( )·sc		
E4	1/250,000 水理地質調査図 (Lilongwe)	(Lilc	ngwe)	13	ם רג ן	*				Ministry of Natural Resources and Environmental Affairs, Geological Survey Department	R-CR().SC		
E-5	1/500,000 Natural Gegions and Areas (Central Malawi)	ns and	Areas (Central Malawi)	33	מ ר	*				Ministry of Natural Resources and Environmental Affairs, Geological Survey Department	R-CR()-SC		
E-6	1/50,000 要請村落位置図 2枚	図 2枚	,	<u>4</u>	オリジナル	*				Ministry of Water Development	JR-CR( )-SC	7777	
			Andreas Andreas Andreas Resident Property Control of the Control o										

資料7 要請 254 村落と給水施設 マッピング調査結果

### VILLAGES REQUIRING BOREHOLES - T.A. KALOLO

KALOLO

								KALOLO
	G.V.H		Estimated		1998 Census			Existing Water Points (Water
No.	KALOLO	VILLAGE NAME	POP in 2004		E. A.	POP	Required	Point Mapping Survey)
1	1	Kansengwa	969	054877/	040	not;shown::	1 B/hole required	1BH: Functional
				8451669		200000000000000000000000000000000000000		
2	2	Dzuluwanda	420	0541604/	054	556	l	-
		•		8449539			1 B/hole required	
. 3	3	Chidzenje	304	0541876/	unknown	not shown ::::		-
****				8453100			1 B/hole required	
. 4	4	Kamangira	599	0540972/	034, 035	370		*
		1		8454500			1 B/hole required	
5	5	Guli-guli (B)	1,497	0543604/	042	216		1P.S.W.: Not Functional
				8454702		_	1 B/hole required	
6	6	Nkhwambala	420	0543957/	053, 054	658		1BH: Functional
				8449584		,	1 B/hole required	
7	7	Chiziko	1,301	0545055/	052	317		1P.S.W.: Not Functional
		į	·	8451748			1 B/hole required	
8	- 8	Nkhata	769	0546715/	051, 064	255		1P.S.W.: Not Functional
	-	1		8452767			1 B/hole required	
						<b>L</b>	· · · · · · · · · · · · · · · · · · ·	
S.	G.V.H.	<u> </u>	Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	NYEMBA	VILLAGE NAME .	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
9	1	Kampala	52 HH (314)		084	76	1 B/hole required	
10	2	Chinsenga	68 HH (336)		084		1 B/hole required	1BH: Not Functional
::::::::::::::::::::::::::::::::::::::	3	Mthiko	72 HH (360)		unknown	not shown	1 B/hole required	_
12	4	Mnkhowe	199 HH (490)		unknown	not shown	1 B/hole required	•
13	5	Mchilawankhondo	57 HH (387)			not shown	1 B/hole required	-
14	6	Chisikwa (A)	250 HH (1250)			not shown	1 B/hole available	3BHSs: Not functional
. 14	U	Ollisikwa (A)	200 1111 (1200)		0,0		1 B/hole required	1BH: Funtional
		<u> </u>		L		<u> </u>	I Dillole required	Term I ditaction
s.	G.V.H.	1	Estimated	GRID	1998 Census	1998 Concue	Boreholes	Existing Water Points (Water
,		VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
	CHIBUNGO		334 HH (1670)	KEF.	029	963		1BH: Not Functional (Old)
15	1	Chibungo	334 AH (1070)		029	303	I Ditiole reduited	1BH; Functional
			94 HH (471)		043	406	B/hole needs rehab.	1BH: Not Functional (Old)
16	2	Muyala	94 HH (471)		043	490	1 B/hole required	TBM. Not Fullctional (Ola)
		<del></del>	000 111 (050)		023	305	1 B/hole required	1P.S.W.: Not Functional
17	3	Phulamazira	200 HH (858)		023	300	r binole required	1BH: Not Functional (Old)
					0.14		d Difference and an all	1P.S.W.; Not Functional
18	4	Gome	77 HH (539)		044		1 B/hole required	1BH: Not Functional
19	5	Mpingo II	200 HH (1200)		048, 047	3/4	1 B/hole required	1BH: Functional
						10.1	4 50 7 3 9 14	1P.S.W.: Not Functional
20	6	Kabwana	80 HH (1080?)		024	464	1 B/hole available	ZBHS; Not Functional
		<u> </u>	(400?)				1 B/hole required	
21	7	Madika	70 HH (490)		030		1 B/hole required	-
22	8	Mzungu	62 HH (434)		030		1 B/hole required	1P.S.W.; Functional
23	9	Mwagongonda (Mngongonda)	188 HH (1316)			not shown		-
24	10	Mnjeza	64 HH (448)		045	180	1 B/hole required	
				·	172.2.		<del>,</del>	· · · · · · · · · · · · · · · · · · ·
	G.V.H.		Estimated	GRID	1998 Census			Existing Water Points (Water
	CHITUWI	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
25	1	Chituwi	47 HH (490)		028	500	1 B/hole required	1BH; Not Functional (Old)
		<u> </u>					ļ <u>.</u>	1BH; Functional
26	2	Chakumbutsa (Chakumbuzi)	52 HH (364)		046			1P.S.W.: Not Functional
∴27		Chilembwe	52 HH (312)		unknown	not shown :::	1 B/hole required	-
::28	4	Kanyoni	60 HH (422)		unknown	not shown::::	1 B/hole required	-
: 29		Chitapangómbe	84 HH (588)		unknown	not shown	1 B/hole required	
30		Kumtsizi (Kumtsinzi (A))	69 HH (483)		044		1 B/hole required	-
∵31		Kamkuwe	56 HH (392)	l	unknown		1 B/hole required	-
,	<u> </u>	11.00111100000		1				·
s.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	MPHAMBA	VILLAGE NAME	POP in 2004		E. A.	POP	Required	Point Mapping Survey)
N-		<del></del>	70 HH (352)	1 11-1 -	<del> </del>	not shown∵∷	1 B/hole required	*
	1	Sinsinja	39 HH (1234?)		047	49	<u> </u>	
::32		Mandindi			"	49	Dillole leduited	
	2				1	L	l	
32 33		Nantana	(2007)	-		hot choise.	id Diholo required	_
32 33 34	3	Ngalazuka	76 HH (450)		0.49	not shown		184: Not Eurotional (Old)
32 33	3	Kamatira			047		1 B/hole required 1 B/hole required	1BH: Not Functional (Old)
32 33 34	34		76 HH (450)		047	220		

<sup>:</sup> not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well With Windlass, Old: Well Age more than 30yrs

### 要講254村落と給水施設マッピング調査結果

KALOLO

								KALOLO
	G.V.H.		Estimated	GRID		1998 Census	1	Existing Water Points (Water
No,	CHAKUZAMUTU	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
37	1	V.H. Makala (A), (C)	2,100	1	057, 058	Total Makala	Too big	P
				08446542	050 500		1 B/hole required	
38	2	V.H. Mizati (A), (B)	420			Total Mizati	l. <b>.</b>	-
				08444876			1 B/hole required	
39	3	V.H. Chipira Msanga	315	0536857/	056	(Chipira)		-
				08447413			1 B/hole required	
40	4	V.H. Masekese	420		056	not shown		
				08447683		:::::::::::::::::::::::::::::::::::::::	1 B/hole required	
41	5	V.H. Chipira Kakoma (A)	1,880	0538341/	056	(Chipira)		-
				08448447			1 B/hole required	
42	6	V.H. Guli-guli I	455		058	228		-
				08445548			1 B/hole required	
43	7 ,	V.H. Chamoto	1,112	0543308/	083	468		1BH: Functional
			•	08441784			1 B/hole required	
44	8	V.H. Kaziputa	690	0540530/	060	194		1BH: Functional
				8443835			1 B/hole required	
:45	9	V.H. Geremani	1,120	0541989/	unknown	not shown ::::	1 B/hole required	-
::::				8446757	L			
<del></del>								
s.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Wate
No.	MKUWIRA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
46	1	V.H. Mkuwira	2,940	0544233/	085	355	T/C B/hole available	1BH: Functional
				8438117	ŀ		1 B/hole required	
47	2	V.H. Nyanda	1,460	0542118/	086	494		-
				8437240		7	1 B/hole required	
48	3	V.H. Muzayani	549	0541286/	086	230		-
		(Muuzayani)		8437918			1 B/hole required	
49	4	V.H. Chingóna (B)	464	0543864	084	224		1BH: Functional
				8440238			1 B/hole required	
50	5	V.H. Mzokoto	1,050	0545210/	085	145		-
				8439364		}	1 B/hole required	
51	6	V.H. Lawudani	770	0544452/	085	162		-
		(Laudani)		8437427			1 B/hole required	<u>'</u>
52	. 7	V.H. Kalongopywera	749	054224/	085	183		-
		(Kalongopyera)		843754		Ì	1 B/hole required	·
53	8	Mgulula	740	0546596/	085	215		-
				8438639		<u> </u>	1 B/hole required	·
54	9	Mtsinambuto - Kalata	359	0547110/	080	not shown		-
				8439314			1 B/hole required	
	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	CHADZA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
55	1	V.H. Chadza	100HH (562)		087	382	Borehole available	•
				L			1 B/hole required	
56	2	V.H. Mawulana-	(329 + 149)	0542156/	084	(Mkuwamba)		-
		Mkuwamba	478	8440065			1 B/hole required	
57	3	V.H. Ntchisi	315	0541531/	084			•
				8439476	<u> </u>		1 B/hole required	
58	4	V.H. Mchawa (A), (B)	86 HH (512)	0541508/	060, 061	394		
		''''	' '	8443041	E .	}	1 B/hole required	
59	5	V.H. Mlinga	49 HH (343)	0541091/		147		
	-		` ` ` '	8442788	E .	1	1 B/hole required	·
60	6	V.H. Chingondo	74 HH (371)	0543198/		91		-
-	-		;	8443370	)	j ,	1 B/hole required	
	<del></del>	<u> </u>	<u> </u>	,			1. 2	L
5.	G.V.H.	<u> </u>	Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	CHIPANGA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
61		VILLAGE NAME	50 HH (2502)		090		1 B/hole required	18H: Functional

: not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

unknown

090

090

50 HH (250?)

60 HH (300?)

60 HH (300?)

1BH: Functional

1BH: Functional

556 1 B/hole required

373 1 B/hole required

:: 1 B/hole required

V.H. M'bangombe

V.H. Chipanga

V.H. Mlera

61

62

∴63

		•						KALOLO KALOLO
S.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	SINUMBE	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
64	1	Nyozwe	200 HH (1400)		011		1 B/hole required	-
∷65	2	Sungamanja	109 HH (545)		unknown		1 B/hole required	
66	3	Mapira	104 HH (520)		unknown		1 B/hole required	<u> </u>
	4		250 HH (1259)		012		1 B/hole required	
67		Kango			012		1 B/hole required	
68	5	Chigwasa	90 HH (950)					
69		Chapota	91 HH (540)		012		1 B/hole required	<del></del>
∵70	7	Chilomo	190 HH (1146)		unknown		1 B/hole required	-
:71	8	Gwani	99 HH (496)		012		1 B/hole required	-
. 72	9	Kangulu	145 HH (725)		unknown	not shown	1 B/hole required	-
73	10	Chimbwala	97 HH (482)		009	82	1 B/hole required	-
74	1	Sinumbe	47 HH (329)		013	618	1 B/hole required	3BHs: Not Functional
'	l ''.	(Sinumbe TC.)					· ·	1W.S.W.: Functional
		(Cirialibe 10.)						(*W.S.W. rehabilitated in 2004)
<u></u>	!							( 11,5,11,10,10,1,1,1,1,1,1,1,1,1,1,1,1,1,
	10 V II		[ Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
s.	G.V.H.		Estimated			POP		
No.	LIWINGA	VILLAGE NAME	POP in 2004	REF.	E. A.		Required	Point Mapping Survey)
75		Sosola	55 HH (385)		008, 009		1 B/hole required	<u> </u>
::76	2	Jamu	62 HH (310)		unknown		1 B/hole required	•
77	3	Sankhulani	46 HH (323)		008	290	1 B/hole required	•
				·				
S.	G.V.H.		Estimated	GRID	1998 Census	-		Existing Water Points (Water
No.	DZAMA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
78		Dzama	72 HH (432)		001	559	1 B/hole required	1BH: Not Functional
79		Yotamu	72 HH (432)		001		1 B/hole required	-
::80		Kanyopola	61 HH (429)	· ·	001		1 B/hole required	-
:81:		Chafuta	52 HH (370)		unknown		1 B/hole required	,
		Jonasi (Jonas)	63 HH (443)		001		1 B/hole required	-
82							1 B/hole required	
83	6	Chinkhata	59 HH (415)		1 003	not snown ·.··	I D/fiole required	<u></u>
_	12			- ABIB	4000 0	4000 0	Davelselee	Territorial
	G.V.H.		Estimated	GRID	1998 Census			Existing Water Points (Water
	LEMWE	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
∴ 84		Kwezani	39 HH (348)		unknown	not shown	1 B/hole required	
∵85	2	Makoka	58 HH (354)		unknown	not shown ::::	1 B/hole required	-
∴86	3	Kalichelo	47 HH (329)		unknown	not shown	1 B/hole required	-
87	4	Mthyothyo	70 HH (420)		004	not shown	1 B/hole required	•
88		Chilima (Chalima)	54 HH (326)		004	128	1 B/hole required	-
89		Lusha	49 HH (343)		005	375	1 B/hole required	-
Š.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	CHIKUDZULIRE	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
90		Dzinja	43 HH (300)		018, 033	346	1 B/hole required	-
91	2	Mkanda	57 HH (341)		034		1 B/hole required	1BH; Not Functional
ופו	_	IVIKAI IUA	37 1111 (341)			].	. Cilibio roquirou	1BH: Functional
			<u> </u>		ì	ľ	]	1P.S.W.: Not Functional
						1		
							4.50	1H.D.BH: Functional
92		Kadzani	72 HH (500)				1 B/hole required	1BH: Not Functional (Old)
93	4	Mkoko	81 HH (482)		015, 16	392	1 B/hole required	1BH: Functional
	G.V.H.		Estimated	GRID	1998 Census			Existing Water Points (Water
No.	SINUMBE	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
94		Kafunde	100 HH (700)		013		1 B/hole required	-
::95		Mpondamwala	76 HH (456)		019	110	1 B/hole required	-
96		Kathumba	107 HH (642)		013		1 B/hole required	1BH: Not Functional
97		Zuwande	97 HH (582)		unknown		1 B/hole required	-
	·ı 🕶	Lawaiide	1. 01 111 (002)		Termoretti	Print Superior, ".",		<u> </u>
	.1							
·			Estimated	GRID	1998 Concile	1998 Census	l Boreholes	Evieting Water Dointe Materal
S.	G.V.H.	VOLTAGE NAME	Estimated	GRID	1998 Census			Existing Water Points (Water
No.	G.V.H. CHINKHUNDA	VILLAGE NAME	POP in 2004	GRID REF.	E. A.	POP	Required	Point Mapping Survey)
No. 98	G.V.H. CHINKHUNDA 1	Chinkhunda Mnkawila	POP in 2004 49 HH (340)		E. A. 068	POP 198	Required 1 B/hole required	
No. 98 99	G.V.H. CHINKHUNDA 1	Chinkhunda Mnkawila Dzowole (Dzoole)	POP in 2004 49 HH (340) 50 HH (344)		E. A. 068	POP 198 not shown :::	Required 1 B/hole required 1 B/hole required	Point Mapping Survey) 2BHs: Functional
No. 98 99 100	G.V.H. CHINKHUNDA 1 2 3	Chinkhunda Mnkawila	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426)		E. A. 068 068 070	POP 198 not shown : : : 334	Required 1 B/hole required 1 B/hole required 1 B/hole required	Point Mapping Survey) 2BHs: Functional
No. 98 99	G.V.H. CHINKHUNDA 1 2 3	Chinkhunda Mnkawila Dzowole (Dzoole)	POP in 2004 49 HH (340) 50 HH (344)		E. A. 068 068 070 067	POP 198 not shown ::: 334 200	Required 1 B/hole required 1 B/hole required 1 B/hole required 1 B/hole required	Point Mapping Survey)  2BHs: Functional
No. 98 99 100 101	G.V.H. CHINKHUNDA 1 2 3 4	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426)		E. A. 068 068 070 067	POP 198 not shown ::: 334 200	Required 1 B/hole required 1 B/hole required 1 B/hole required	Point Mapping Survey) 2BHs: Functional
No. 98 99 100 101 102	G.V.H. CHINKHUNDA 1 2 3 4	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula)	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490)		E. A. 068 068 070 067	POP 198 not shown::: 334 200 not shown:::	Required 1 B/hole required 1 B/hole required 1 B/hole required 1 B/hole required	Point Mapping Survey)  2BHs: Functional
No. 98 99 100 101 102 103	G.V.H. CHINKHUNDA 1 2 3 4 5	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula) Semu	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490) 63 HH (369)		E. A.  068 070 067 066 066	POP  198 not shown 334 200 not shown 175	Required 1 B/hole required	Point Mapping Survey)  2BHs: Functional
No. 98 99 100 101 102 103	G.V.H. CHINKHUNDA 1 2 3 4 5 6	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula) Semu Khwema	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490) 63 HH (369) 78 HH (538)		E. A.  068 068 070 067 066 066 067	POP 198 not shown 334 200 not shown 175	Required 1 B/hole required	Point Mapping Survey)  2BHs: Functional
No. 98 99 100 101 102 103	G.V.H. CHINKHUNDA 1 2 3 4 5 6	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula) Semu	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490) 63 HH (369)		E. A.  068 068 070 067 066 066 067	POP 198 not shown 334 200 not shown 175	Required 1 B/hole required	Point Mapping Survey)  2BHs: Functional  1BH: Not Functional (Old)
No. 98 99 100 101 102 103 104 105	G.V.H. CHINKHUNDA 1 2 3 4 5 6 7	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula) Semu Khwema	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490) 63 HH (369) 78 HH (538) 65 HH (387)	REF.	E. A.  068 068 070 067 066 066 067 unknown	POP 198 not shown 334 200 not shown 175 not shown not shown	Required 1 B/hole required	Point Mapping Survey)  2BHs: Functional  1BH: Not Functional (Old)
No. 98 99 100 101 102 103 104 105	G.V.H. CHINKHUNDA 1 2 3 4 5 6 7 8	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula) Semu Khwema Mdabwi] I Bokola	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490) 63 HH (369) 78 HH (538) 65 HH (387)	REF.	E. A.  068 068 070 067 066 067 066 067 unknown 068	POP  198 not shown 334 200 not shown 175 not shown not shown 1998 Census	Required 1 B/hole required B/hole required 1 B/hole required	Point Mapping Survey)  2BHs: Functional
No. 98 99 100 101 102 103 104 105 S. No.	G.V.H. CHINKHUNDA  1 2 3 4 5 6 7 8	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula) Semu Khwema Mdabwi] I Bokola VILLAGE NAME	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490) 63 HH (369) 78 HH (538) 65 HH (387)  Estimated POP in 2004	REF.	E. A.  068 068 070 067 066 067 unknown 068 1998 Census E. A.	POP  198 not shown  334  200 not shown  175 not shown  1998 Census POP	Required 1 B/hole required Required	Point Mapping Survey)  2BHs: Functional   1BH: Not Functional (Old)   Existing Water Points (Water Point Mapping Survey)
No. 98 99 100 101 102 103 104 105	G.V.H. CHINKHUNDA 1 2 3 4 5 6 7 8	Chinkhunda Mnkawila Dzowole (Dzoole) Kalonga Kwenje Chizula (Chidzula) Semu Khwema Mdabwi] I Bokola	POP in 2004 49 HH (340) 50 HH (344) 71 HH (426) 61 HH (366) 72 HH (490) 63 HH (369) 78 HH (538) 65 HH (387)	GRID REF.	E. A.  068 068 070 067 066 067 066 067 unknown 068	POP 198 not shown 334 200 not shown 175 not shown 1998 Census POP 352	Required 1 B/hole required Boreholes Required 1 B/hole required	Point Mapping Survey)  2BHs: Functional

<sup>:</sup> not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

### 要請254村落と給水施設マッピング調査結果

KALOLO

								INALOGO
S.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	MASUMBA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
108 109	1	Manthalu	50 HH (347)		unknown	not shown	1 B/hole required	-
109	2 ·	Chaponda	71 HH (423)		074	not shown	1 B/hole required	<u>-</u>
.110	3	Manjawila	51 HH (349)		unknown	not shown	1 B/hole required	-
111	4	Chikalipo	68 HH (341)		075		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-
112	5	Lendemani	99 HH (493)		unknown	not shown: ∷	1 B/hole required	-

S.	G.V.H.	1	Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	MPHUNDA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
113		Malumbila	64 HH (322)		076		1 B/hole required	-
11A 115	2	Mkozomba	67 HH (336)		unknown	not shown. :::	1 B/hole required	-
115	3	Mkanthama	71 HH (356)		076	60	1 B/hole required	•
116	4	Zakaliya (Zakalia)	62 HH (309)		076		1 B/hole required	-
117	5	Chipozongo	59 HH (297)		unknown	not shown	1 B/hole required	-
118	6	Palimtima	67 HH (400)	•	078, 079	156	1 B/hole required	1P.S.W.: Functional
119		Makanga	59 HH (295)		079			-
120	8	Chimlota	61HH (307)		unknown	hot shown	1 B/hole required	-
121	9	Mndulu	69 HH (343)		unknown	not shown:	1 B/hole required	

<sup>:</sup> not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

### VILLAGES REQUIRING BOREHOLES - T.A. KHONGONI

KHONGONI

S.	G.V.H.		Estimated	GRID	1998 Cancus	1998 Census	Boreholes	Existing Water Points (Water
	KHONGONI	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
1	1	Khongoni (A)	351		057		1 B/hole required	2BHs: Not Functional
'		Tabligolii () y	1		1		,,,,,,,,	1BH; Functional
2	2	Kambuyawa	650		060	not shown:	1 B/hole required	+
3	3	Mbalame (A)	67 HH 303		056		1 B/hole required	1BH: Not Functional
		, ,			1		·	
4	4	Kanjanja	320		054	146	1 B/hole required	•
5		Kanzota	56 HH 240		056		1 B/hole required	-
∵ 6		Masitala - Maria	28 HH 320		unknown	not shown	1 B/hole required	-
7	7	Levi	300		unknown	not shown	1 B/hole required	•
∴ 8	8	Mweziwauma	70 HH 350		unknown	not shown:	1 B/hole required	•
. 9	9	Mandelo-Mika	40 HH 320		unknown	not shown	1 B/hole required	
10	10	Kachilikiza	350		033	244	1 B/hole required	-
s.	G.V.H.	1.	Estimated .	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	MSINDE	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
: 11	1	Benjamani	37 HH 300		unknown	not shown:	1 B/hole required	-
:12	2	Nkhombokombo	44 HH 300		unknown		1 B/hole required	-
13	3	Waya	90 HH 299		039	626	1 B/hole available	2BHs: Functional
		· · · · · · · · · · · · · · · · · · ·			·			
	G.V.H.		Estimated	GRID		1998 Census		Existing Water Points (Water
	MATEKWE	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
:14	1	Kantugwala-Chimpesi	56 HH 460		unknown		2 B/holes required	
:15	2	Mmbamwana ·	45 HH 300 379		unknown		1 B/hole required 1 B/hole required	-
<u>∷16</u> 17	3	Mkhuta Kambudzi	989		unknown 067		1 B/hole required	1BH: Functional
''	<b>**</b>	Nambudzi	909		007	304	2 B/holes required	(but very old)
18	5	Chitindi	480		062	59	2 B/holes required	(but very did)
19	6	Salima	56 HH 447		062		B/hole needs rehab.	1BH: Not Functional
'`	_		00 1,,,, 4,,,,		1		2 B/holes required	12,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
20	· 7	Kapudzama	95 HH 780		064	269	B/hole needs rehab.	2BHs: Not Functional (Old)
"-	•						2 B/holes required	1BH: Functional
1			,				, r	1H.D.BH: Functional
21	8	Chalonga	89HH 1058		065	(Chalonga (A))	B/hole needs rehab.	1BH: Functional
		•					3 B/holes required	
22	9	Chaipa-Mnjale	450		066	(Chaipa)	2 B/holes required	1BH: Not Functional (Old)
			450			(221)	7 50 1 9 11	4011-5
23	10	Mtabvu (Mutavu)	450		unknown	not shown	1 B/hole available	1BH: Functional
	11	lust-	500		067	404	2 B/holes required 1 B/hole available	1BH: Not Functional (Old)
:24	1)	lmfa	300		007	101	2 B/holes required	TBH: Not Functional (Old)
25	12	Chithemba	380		066	172	B/hole needs rehab.	1BH; Functional
-	••	Silitionisa	333				1 B/hole required	(but very old)
		· · · · · · · · · · · · · · · · · · ·				1		(Care taly that
S.	G.V.H.		Estimated	GRID		1998 Census	Boreholes	Existing Water Points (Water
No.	VIZIMBA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
∷26	1	Naferanji	480		052	132	1 B/hole available	1BH: Functional
		(Nafelanji)				· · · · · · · · · · · · · · · · · · ·	1 B/hole required	
::27	2	Katugwa	350		unknown	not shown	1 B/hole required	<u> </u>
S.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	NYANGA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
28	1	Nyanga	426		053		2 B/holes required	•
∴29	2	Kalumbi	418		unknown	not shown ::::	B/hole needs rehab.	1BH: Functional
							2 B/holes required	
	G.V.H.		Estimated	GRID		1998 Census	Boreholes	Existing Water Points (Water
	CHIPENI	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
30	1	Chipeni	333HH 2000		051	388	1 B/hole available	1BH: Not Functional
		(A)	407111101		050		2 B/holes required	
31	2	Gulumba (A)	107 HH 645		050		2 B/holes required	-
32	3	Sixpence/Nabuzi	123 HH 750				2 B/holes required	-
33	4	Masantchi/Salale/Chimbaka	142 HH 850		unknown unknown		2 B/holes required 2 B/holes required	-
34 35	5	Williamu/Jasiteni/Nthochi Zamula/Jere	105 HH (525?) 52 HH 307		unknown		1 B/hole required	-
	<u> </u>	Fairmoneis	JZ 1111 307		AUVIDANI.	powerandastificiei	i Dinois required	
S.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	MKUWIRA	VILLAGE NAME	POP in 2004		E. A.	POP	Required	Point Mapping Survey)
36	1	Monjo-Mduluza	90 HH (210?)			(Monjo)	2 B/holes required	-
1:::::	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(450?)			(65)		

<sup>:</sup> not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

### 要請254村落と給水施設マッピング調査結果

KHONGONI

S.			Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	G.V.H. KASIYAI	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
37	1	Mbewa II ((B))	58 HH 345		028		1 B/hole required	2BHs: Functional
:38	2	Chizewe	66 HH 300				1 B/hole required	-
: 39		Mwachipula	62 HH 372		unknown	not shown	1 B/hole required	-
∹40	4	Kakhutantaya-Kalitsilo	83 HH 500		unknown	not shown :::	2 B/holes required	-
: 41:	5	Nthala-Gomani	63 HH 380		unknown		1 B/hole required	<u>-</u>
42	6	Mtswati	78 HH 478		044	261	2 B/holes required	-
			T = 7		4000	4000 0	B	<u> </u>
	G.V.H.	1.01 1 A C M A1 A B P M	Estimated	GRID	1998 Census E. A.	1998 Census POP	Boreholes	Existing Water Points (Water
	MTSWATI	VILLAGE NAME Mafuta	POP in 2004	REF.	unknown	not shown:	Required 1 B/hole required	Point Mapping Survey)
44	2	Pashane	50 HH (200?)		unknown	not shown	1 Ditiole reduited	<del></del>
	2	Nkhulange	70 HH (350?)		GIRIOWII	TIOL SHOWI	1 B/hole required	
		INAIIulange	10 1111 (0001)[				Tr. Dynolo required	
S.	G,V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	MALENGA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
::45	1	Mndimbanazo-Chimbalu	70 HH 331		unknown	not shown	1 B/hole required	-
					<del></del>			· · · · · · · · · · · · · · · · · · ·
s.	G.V.H.		Estimated	GRID		1998 Census	Boreholes	Existing Water Points (Water
_	MANGILIRA .	VILLAGE NAME	POP in 2004	REF.	E. A.	POP 280	Required	Point Mapping Survey)
46	1 į	Mangilira	205 HH 1230		034	280	B/hole needs rehab. 3 B/holes required	1BH: Functional
47	2	(Mangirira) Mthumba (Thumba)	96 HH 579		034	190	2 B/holes required	<u>-</u>
47 48	3	Zokoto	124 HH 748		034		2 B/holes required	
48	4	Kalama (B)	112 HH 670		033		B/hole needs rehab.	1BH: Not Functional (Old)
-10	7	Transfile (b)				, 572	1 B/hole required	
50	5	Nthondo II - Chimbidzi	50 HH 300		027	364	1 B/hole required	1BH: Not Functional (Old)
:51:	6	Mazongoti-Thekenya	51 HH 306		unknown	not shown	2 B/holes required	-
::::							(1 to share)	
52	7	Kaluzi-Lamuele	52 HH 314		027	(Kalizi(A))	B/hole needs rehab.	1BH: Functional
						hot shown	1 B/hole required 1 B/hole required	(but very old)
:53	8	Galeta	57 HH 341		unknown	norsnown	(to share among 3	<u> </u>
		Daimoni Chulu	37 HA 341				Villages)	
		Ollaia					1 4 1112 5 4 4 4	
s.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	1011701 5						Required	1
	JAUZALE	VILLAGE NAME	POP in 2004	REF.	E. A.	POP		Point Mapping Survey)
54	JAUZALE 1	VILLAGE NAME Kabudula	57 HH (390)	REF.	unknown	not shown	Broken B/hole	1BH: Not Functional
_				REF.				
54	1		57 HH (390)		unknown	not shown	Broken B/hole 1 B/hole required	1BH: Not Functional
.54 S.	f G.V.H.	Kabudula	57 HH (390)	GRID	unknown 1998 Census	not shown 1998 Census	Broken B/hole 1 B/hole required Boreholes	1BH: Not Functional  Existing Water Points (Water
54 S. No.	1 G.V.H. MSTINDO	Kabudula VILLAGE NAME	57 HH (390)  Estimated POP in 2004		unknown 1998 Census E. A.	not shown 1998 Census POP	Broken B/hole 1 B/hole required Boreholes Required	
.54 S.	f G.V.H.	Kabudula	57 HH (390)	GRID	unknown 1998 Census	not shown 1998 Census POP	Broken B/hole 1 B/hole required Boreholes	1BH: Not Functional  Existing Water Points (Water
54 S. No.	1 G.V.H. MSTINDO	Kabudula VILLAGE NAME	57 HH (390)  Estimated POP in 2004	GRID	unknown 1998 Census E. A.	not shown 1998 Census POP not shown	Broken B/hole 1 B/hole required Boreholes Required	1BH: Not Functional  Existing Water Points (Water
54 S. No. 55	G.V.H. MSTINDO 1	Kabudula VILLAGE NAME	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A.	not shown 1998 Census POP not shown 1998 Census POP	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required	1BH: Not Functional  Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)
54 S. No. 55	G.V.H. MSTINDO 1 G.V.H.	VILLAGE NAME Ziyendammanja	Estimated POP in 2004 70 HH (350)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census	not shown 1998 Census POP not shown 1998 Census POP	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available	1BH: Not Functional  Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water
54 No. 55 No.	G.V.H. MSTINDO  1 G.V.H. MADZONGA	VILLAGE NAME Ziyendammanja VILLAGE NAME Madzonga	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)	GRID REF.	unknown 1998 Census E. A. unknown 1998 Census E. A. 045	not shown: 1998 Census POP not shown: 1998 Census POP 80	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional
54 S. No. 55 S.	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2	VILLAGE NAME Ziyendammanja VILLAGE NAME Madzonga Mgulumula	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown	not shown: 1998 Census POP not shown: 1998 Census POP 80 not shown:	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available I B/hole required 1 B/hole required	1BH: Not Functional  Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)
s. No. 55 S. No. 56	G.V.H. MSTINDO  1 G.V.H. MADZONGA	VILLAGE NAME Ziyendammanja VILLAGE NAME Madzonga	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)	GRID REF.	unknown 1998 Census E. A. unknown 1998 Census E. A. 045	not shown: 1998 Census POP not shown: 1998 Census POP 80	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available I B/hole required 1 B/hole required Broken B/hole	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional
s. No. 55 S. No. 56	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2	VILLAGE NAME Ziyendammanja VILLAGE NAME Madzonga Mgulumula	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown	not shown: 1998 Census POP not shown: 1998 Census POP 80 not shown:	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available I B/hole required 1 B/hole required Broken B/hole water quality not	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional
s. No. 55 S. 56	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2	VILLAGE NAME Ziyendammanja VILLAGE NAME Madzonga Mgulumula	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown	not shown: 1998 Census POP not shown: 1998 Census POP 80 not shown:	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available 1 B/hole required 1 B/hole required 1 B/hole required Broken B/hole water quality not good.	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional
54 S. No. 55 S. No. 56	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2 3	VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown unknown	not shown:  1998 Census POP not shown:  1998 Census POP 80 not shown: not shown:	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available 1 B/hole required 1 B/hole required 1 B/hole required Broken B/hole water quality not good. 1 B/hole required	1BH: Not Functional  Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)
54 S. No. 55 S. No. 56 57. 68	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3	VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgułumula Mnkhunyungu  Chikweteza	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown unknown	not shown:  1998 Census POP not shown:  1998 Census POP 80 not shown: not shown:	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available 1 B/hole required 1 B/hole required 1 B/hole required Broken B/hole water quality not good.	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional
54 S. No. 55 S. No. 56	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3	VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown unknown unknown	not shown:  1998 Census POP not shown:  1998 Census POP 80 not shown: not shown: not shown: (Mishown: (Mishown: (Mishown)	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available I B/hole required 1 B/hole required Broken B/hole water quality not good. I B/hole required 1 B/hole required	1BH: Not Functional  Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)
54 S. No. 55 S. No. 56 57. 68	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3	VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgułumula Mnkhunyungu  Chikweteza	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown unknown	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown not shown (Mlamba) (215) 392	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required 2 B/holes available 1 B/hole required 1 B/hole required Broken B/hole water quality not good. 1 B/hole required 2 B/hole required 2 B/hole required 2 B/holes required 2 B/holes required	1BH: Not Functional  Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)
54 6. 20 55 6. 20 56 7. 58 59 60	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)  56 HH (333)  89 HH (535)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown unknown unknown 047? 046?	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown not shown (Mlamba) (215) 392	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available 1 B/hole required 1 B/hole required Broken B/hole water quality not good. 1 B/hole required 1 B/hole required 2 B/holes required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)
54 5. 30. 56 57. 56 59 60 61 62	1 G.V.H. MSTINDO  1 G.V.H. MADZONGA  1 2 3 4 5 6 7	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina Mwadzimbi	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)  56 HH (333)  89 HH (535)  110 HH (660)  57 HH (340)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown unknown unknown 047? 046? 046 047	not shown:  1998 Census POP not shown:  1998 Census POP 80 not shown: not shown:  not shown: (Mlamba) (215) 392 28	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available I B/hole required 1 B/hole required Broken B/hole water quality not good. I B/hole required 1 B/hole required 2 B/holes required 2 B/holes required 1 B/hole required 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)
5. No. 56 5. No. 56 57. 68 60 61 62 8.	G.V.H. MSTINDO  1 G.V.H. MADZONGA  1 2 3 4 5 6 7	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)  56 HH (333)  89 HH (535)  110 HH (660)  57 HH (340)	GRID REF. GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown unknown unknown 047? 046? 046 047	not shown:  1998 Census POP not shown:  1998 Census POP 80 not shown: not shown: (Mlamba) (215) 392 28	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available I B/hole required 1 B/hole required Broken B/hole water quality not good. I B/hole required 2 B/hole required 2 B/holes required 1 B/hole required 2 B/holes required 1 B/hole required 1 B/holes required 1 B/holes required 1 B/holes required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)
54 60 61 62 S. No.	1 G.V.H. MSTINDO  1 G.V.H. MADZONGA  1 2 3 4 5 6 7	VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo	Estimated POP in 2004 70 HH (350)  Estimated POP in 2004 117 HH (700) 11 HH (460) 71 HH (430)  56 HH (333) 89 HH (535) 110 HH (660) 57 HH (340)  Estimated POP in 2004	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045 unknown unknown unknown  4047 0467 046 047	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown  not shown  (215)  392  28  1998 Census POP	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required 2 B/holes available I B/hole required 1 B/hole required Broken B/hole water quality not good. 1 B/hole required 2 B/holes required 2 B/holes required 2 B/holes required 2 B/holes required 3 B/holes required 4 B/holes required 5 B/holes required 6 B/holes required 7 B/hole required 8 Boreholes 8 Required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)
54 60 61 62 S. No.	G.V.H. MSTINDO  1 G.V.H. MADZONGA  1 2 3 4 5 6 7	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo  VILLAGE NAME Njombiro	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)  56 HH (333)  89 HH (535)  110 HH (660)  57 HH (340)	GRID REF. GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown unknown unknown 047? 046? 046 047	not shown:  1998 Census POP not shown:  1998 Census POP 80 not shown: not shown: (Mlamba) (215) 392 28	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available I B/hole required 1 B/hole required Broken B/hole water quality not good. I B/hole required 2 B/hole required 2 B/holes required 1 B/hole required 2 B/holes required 1 B/hole required 1 B/holes required 1 B/holes required 1 B/holes required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)
数. 2. 55	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3  4  5  6  7  G.V.H. NDALAMA  1	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo  VILLAGE NAME Njombiro Chiuzeni II	Estimated POP in 2004 70 HH (350)  Estimated POP in 2004 117 HH (350)  11 HH (460) 71 HH (430)  56 HH (333) 89 HH (535)  110 HH (660) 57 HH (340)  Estimated POP in 2004 59 HH (3007)	GRID REF. GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown  unknown  047? 046? 046 047  1998 Census E. A. unknown	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown  not shown  (215)  392  28  1998 Census POP  hot shown	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required 1 B/hole required 2 B/holes available 1 B/hole required 1 B/hole required Broken B/hole water quality not good. 1 B/hole required 2 B/holes required 2 B/holes required 2 B/holes required 3 B/hole required 4 B/hole required 5 B/holes required 6 Boreholes 8 Required 1 B/hole required 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)
54 8. No. 55 57 58 60 61 8. No. 63 64	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3  4  5  6  7  G.V.H. NDALAMA  1	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo  VILLAGE NAME Njombiro Chiuzeni II Chibwalo	Estimated POP in 2004 70 HH (350)  Estimated POP in 2004 117 HH (300) 11 HH (460) 71 HH (430)  56 HH (333) 89 HH (535)  110 HH (660) 57 HH (340)  Estimated POP in 2004 59 HH (3007) 41 HH (306)	GRID REF. GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown  unknown  047? 046? 046 047  1998 Census E. A. unknown	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown  not shown  (215)  392  28  1998 Census POP  not shown	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required 1 B/hole required 2 B/holes available 1 B/hole required 1 B/hole required Broken B/hole water quality not good. 1 B/hole required 2 B/hole required 2 B/holes required 2 B/holes required 3 B/hole required 4 B/hole required 5 B/hole required 6 Boreholes 8 Required 1 B/hole required 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)
54 S. No. 556 57, 568 57, 68 61, 62 S. No. 64, 65	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3  4  5  6  7  G.V.H. NDALAMA  1  2  3	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo  VILLAGE NAME Njombiro Chiuzeni II Chibwalo Kalipande	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)  56 HH (333)  89 HH (535)  110 HH (660)  57 HH (340)  Estimated POP in 2004  59 HH (3007)  41 HH (306)  42 HH (300)	GRID REF. GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown  unknown  047? 046? 046 047  1998 Census E. A. unknown  unknown	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown  not shown  (215)  392  28  1998 Census POP  not shown  not shown  (215)  not shown  not shown	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required 1 B/hole required 2 B/holes available 1 B/hole required 1 B/hole required 1 B/hole required 2 B/holes required 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)
54 S. No. 556 57 58 60 61 62 S. No. 64 65 63 65	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3  4  5  6  7  G.V.H. NDALAMA  1	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo  VILLAGE NAME Njombiro Chiuzeni II Chibwalo	Estimated POP in 2004 70 HH (350)  Estimated POP in 2004 117 HH (300) 11 HH (460) 71 HH (430)  56 HH (333) 89 HH (535)  110 HH (660) 57 HH (340)  Estimated POP in 2004 59 HH (3007) 41 HH (306)	GRID REF. GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown  unknown  047? 046? 046 047  1998 Census E. A. unknown	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown  not shown  (215)  392  28  1998 Census POP  not shown  not shown  (215)  not shown  not shown	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required 1 B/hole required 2 B/holes available 1 B/hole required 1 B/hole required Broken B/hole water quality not good. 1 B/hole required 2 B/hole required 2 B/holes required 2 B/holes required 3 B/hole required 4 B/hole required 5 B/hole required 6 Boreholes 8 Required 1 B/hole required 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)
54 S. No. 55 S. No. 56 57, 68 60 61 62 S. No. 63 64 65 66	G.V.H. MSTINDO  1  G.V.H. MADZONGA  1  2  3  4  5  6  7  G.V.H. NDALAMA  1  2  3	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo  VILLAGE NAME Njombiro Chiuzeni II Chibwalo Kalipande	57 HH (390)  Estimated POP in 2004 70 HH (350)  Estimated POP in 2004 117 HH (700) 11 HH (460) 71 HH (430)  56 HH (333) 89 HH (535) 110 HH (660) 57 HH (340)  Estimated POP in 2004 59 HH (3007) 41 HH (306) 42 HH (300)	GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown  unknown  unknown  1998 Census E. A. 1998 Census E. A. unknown  unknown  1998 Census E. A. unknown  unknown  unknown  unknown  unknown  unknown  unknown	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown  not shown  (215)  392  28  1998 Census POP  hot shown  not shown  158	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required  Boreholes Required 2 B/holes available 1 B/hole required 1 B/hole required 1 B/hole required 2 B/holes required 2 B/hole required 2 B/holes required 2 B/holes required 1 B/hole required 2 B/holes required 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)
5. 0. 5. 5. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	1 G.V.H. MSTINDO 1 G.V.H. MADZONGA 1 2 3 4 5 6 7 G.V.H. NDALAMA 1 2 3 4	Kabudula  VILLAGE NAME Ziyendammanja  VILLAGE NAME Madzonga  Mgulumula Mnkhunyungu  Chikweteza Mlamba - Makina  Mwadzimbi Chimphepo  VILLAGE NAME Njombiro Chiuzeni II Chibwalo Kalipande	57 HH (390)  Estimated POP in 2004  70 HH (350)  Estimated POP in 2004  117 HH (700)  11 HH (460)  71 HH (430)  56 HH (333)  89 HH (535)  110 HH (660)  57 HH (340)  Estimated POP in 2004  59 HH (3007)  41 HH (306)  42 HH (300)	GRID REF. GRID REF.	unknown  1998 Census E. A. unknown  1998 Census E. A. 045  unknown  unknown  047? 046? 046 047  1998 Census E. A. unknown  unknown	not shown  1998 Census POP  not shown  1998 Census POP  80  not shown  not shown  (215)  392  28  1998 Census POP  not shown  not shown  (215)  not shown  not shown	Broken B/hole 1 B/hole required  Boreholes Required 1 B/hole required 1 B/hole required 2 B/holes available 1 B/hole required 1 B/hole required 1 B/hole required 2 B/holes required 1 B/hole required	Existing Water Points (Water Point Mapping Survey)  Existing Water Points (Water Point Mapping Survey)  1BH: Functional  1BH: Not Functional (Old)  1BH: Not Functional (Old)  Existing Water Points (Water Point Mapping Survey)

<sup>:</sup> not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

### 要講254村落と給水施設マッピング調査結果

KHONGONI

ŝ.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	CHIMTOLO	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
: 68	1	Chikwa	40 HH (300)		unknown		1 B/hole required	
::69	2	Kazambala	41 HH (315)		unknown	not shown ::::	1 B/hole required	-
				0515	4000 0	7000 0	Bbalaa	
	G.V.H.		Estimated	GRID	1998 Census	POP	Boreholes	Existing Water Points (Water
	CHIGOMO	VILLAGE NAME	POP in 2004	REF.	E. A. 013		Required 1 B/hole required	Point Mapping Survey) 1BH; Functional
70	1	Chigowo	41 HH (306)		013		1 B/hole required	18H: Not Functional
71	3	Kaphiri Kamtengo	51 HH (450) 47 HH (360)		unknown		1 B/hole required	"
∵72 ∷73	4	Timoti	191 HH (360?)		unknown		1 B/hole required	
7.4	5	Chadzunda	58 HH (450)		unknown		2 B/holes required	
:75	6	Loti	43 HH (370)		unknown		1 B/hole required	-
76	7	Chinjili	39 HH (340)		unknown		1 B/hole required	-
1	•		1 00 1111 (- 1-21				•	
S.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	KANJEZA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
::77	1	Thema	83 HH (500)		unknown		2 B/holes required	-
∵78	2	Nkhoka	73 HH (435)		unknown		1 B/hole required	-
79	3	Chilowa (B)	78 HH (478)		026	520	2 B/holes required	1BH: Not Functional
						112 12 12 13 13 13		
:80	4	Katsano	81 HH (488)	<u></u>	unknown	not shown ::::	2 B/holes required	•
[6	-	<del></del>	Estimant - 1	CDID	1998 Census	11000 Canava	Boreholes	Evinting Mater Balata are
S.	CAN COROLL	VIII AGE NAME	Estimated POP in 2004	GRID REF.	E. A.	POP	Required	Existing Water Points (Water Point Mapping Survey)
	G.V.H. SAKALI 1	VILLAGE NAME Sambo/Chimtemwende	57HH (3007)	REF.	unknown		1 B/hole required	Point mapping Survey)
∵81:	<u> </u>	Samuoronimiternwende	ן איזאר (סטטר)	l	Territorio AALI	11.00.0140.441	, Dillois required	<u> </u>
S.	G.V.H.	···· · · · · · · · · · · · · · · · · ·	Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
No.	KAWALIKA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
82	1	Kawalika	70 HH (320)		010		(Climax broken)	1BH: Not Functional
			'',				1 B/hole required.	
83	2	Mwase	50 HH (350)		009		1 B/hole required	•
∵84	3	Milala	60 HH (360)		unknown		1 B/hole required	1W.S.W.: Not Functional
85	4	Msema	69 HH (345)		009	526	(Climax broken)	1BH: Not Functional (Old)
							1 B/hole required.	
::86	5	Chilufu	72 HH (360)		012		1 B/hole required	-
: 87.	6	Kadyalu	62 HH (372)		unknown		1 B/hole required	•
88	7	Chibondo	56 HH (335)		unknown		1 B/hole required	-
89	8	Chimombo II	50 HH (250)		012		1 B/hole required	-
			<u> </u>		l,	(404)	<u> </u>	L
S.	G.V.H.		Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
	MAKOWA	VILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
90	1	Makowa	95 HH (589)		017	331	B/hole needs rehab.	1BH: Not Functional
1			` <u>`</u>				1 B/hole required	
∷:91	2	Мрауа	98 HH (586)		unkown		2 B/holes required	-
:92	3	Kasi Tomo (Kasitomu)	82 HH (492)		017		2 B/holes required	•
93		Mpondamwala	74 HH (446)				2 B/holes required	-
94	5	Kasalika	61 HH (364)				1 B/hole required	-
95	6	Tumeyo	65 HH (392)		016	<del> </del>	2 B/holes required	-
96	7	Kawodlera I	72 HH (431)		unkown	not shown	B/hole needs rehab.  1 B/hole required	"
97	8	Manondora	60 HH (359)		016	264	1 B/hole required	-
98		Mapondera Chawina	80 HH (474)		unkown		1 B/hole required	-
::99		Chizeze	58 HH (347)		unkown		1 B/hole required	-
100		Mangani	58 HH (347)		unkown		1 B/hole required	-
101		Kuthengo	54 HH (322)		unkown		1 B/hole required	•
102		Mkhumbira	61 HH (367)		unkown		1 B/hole required	•
103		Kaodzera II (Kaodzela)	82 HH (493)		011		2 B/holes required	1BH: Not Functional (Old)
104		Ngalize	54 HH (322)		011		1 B/hole required	•
105		Chimpala	58 HH (346)		unkown		1 B/hole required	-
106	17	Kamapalira	50 HH (298)		unkown		1 B/hole required	<u>-</u>
107	18	Dzonzi	61 HH (364)		unkown	not shown	1 B/hole required	-
108	19	Chadzunda	76 HH (455)		unkown	not shown	1 B/hole required	-
109	20	Mikili	54 HH (324)		unkown	not shown	1 B/hole required	-
110		Thauzeni	54 HH (336)		unkown	not shown	1 B/hole required	
111		Jeke	53 HH (319)		unkown	not shown	1 B/hole required	
1.12		Bwanali	53 HH (316)		unkown	not shown	1 B/hole required	-
.113		Kasawa	49 HH (294)		unkown	not shown	1 B/hole required	<u>-</u>
114	25	Mafola	66 HH (395)	L	unkown	Inot shown	1 B/hole required	

: not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

### 要請254村落と給水施設マッピング調査結果

KHONGONI

	Estimated	GRID				
				1998 Census	Boreholes	Existing Water Points (Water
/ILLAGE NAME	POP in 2004	REF.		POP	Required	Point Mapping Survey)
Sapulayi	86 HH (516)		007	37	1 B/hole required	<u> </u>
	Estimated				Boreholes	Existing Water Points (Water)
/ILLAGE NAME	POP in 2004	REF.	E. A.		Required	Point Mapping Survey)
/wanda	259?				1 B/hole required	<u> </u>
/Isampha	230?		unknown	not shown	1 B/hole required	<u>-</u>
Kameta	240?					<u> </u>
/labutao/Jezikamale	255?		800	(Mabutao)	1 B/hole required	•
				(196)		
	Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
/ILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
/lazengera	84 HH (418)		unknown	not shown	1 B/hole required	-
(akoloweko	51 HH (306)		004	515	B/hole needs rehab.	1BH: Not Functional
	Estimated	GRID	1998 Census	1998 Census	Boreholes	Existing Water Points (Water
/ILLAGE NAME	POP in 2004	REF.	E. A.	POP	Required	Point Mapping Survey)
/idatsekako	54 HH (320)		unknown	not shown :::	1 B/hole required	•
Kachera	65 HH (400)		unknown	not shown :: :	1 B/hole required	-
Changwe	68 HH (410)		unknown	not shown :::	1 B/hole required	-
Chimphako	50 HH (300)		unknown	not shown	1 B/hole required	-
/kwinda	54 HH (330)		unknown	not shown :∷	1 B/hole required	•
/Isungata	69 HH (370)		unknown	not shown ::::	1 B/hole required	-
Chofi	63 HH (380)		unknown	not shown ∵ ∵	1 B/hole required	
//akwembe	60 HH (381)		unknown	not shown :	1 B/hole required	-
Phetera	60 HH (302)				1 B/hole required	
/wambakulu	65 HH (400)		unknown	not shown :::	1 B/hole required	<u>-</u>
/Iwamulu	69 HH (360)		unknown	not shown::::	1 B/hole required	<u></u>
Nkhawa	52 HH (320)		unknown	not shown ::::	1 B/hole required	-
	ILLAGE NAME Iwanda Isampha Isampha Isampha Isameta Isabutao/Jezikamale  ILLAGE NAME Isazengera Isakoloweko  ILLAGE NAME Idatsekako Isachera Isangwe Isamphako Ikwinda Isamgata	Estimated   POP in 2004   wanda   2597   sampha   2307   ameta   2407   labutao/Jezikamale   2557     Estimated   2557     Estimated   2557     Estimated   POP in 2004   lazengera   84 HH (418)   akoloweko   51 HH (306)     Estimated   POP in 2004   late   PO	Estimated   GRID   REF.   Wanda   2597	Estimated   GRID   1998 Census   REF.   E. A.	Estimated   POP in 2004   REF.   E. A.   POP   REF.   RE	Estimated   POP in 2004   REF.   E. A.   POP   Required   Requir

<sup>:</sup> not shown in the location map, S. No.: Serial Number, G.V.H.: Group Village Head, E.A.: Enumuration Area, POP: Population, BH: Borehole, P.S.W.: Protected Shallow Well, H.D.BH: Hand Dug Borehole (Vonder Well), W.S.W.: Shallow Well with Windlass, Old: Well Age more than 30yrs

資料 8 1998 年センサスと給水施設 マッピング調査結果

										000	- 220十八~くにもく過な、ヘープ・粤車を予	と
	1 KALOLO TA/EA	1998 CENSUS	SOS			KALOLO TA/EA		water Fo	zuus water Ponit Mapping			
Requested Village		House-	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
	***Kalolo***	23,457	104,939	51,832	53,107	***Kalolo***						
	Alemwe	11	55	28	27							
	Bazale	18	83	42	41							
	Bisedi	23	111	52	23							
	Bunduke	Ξ	47	22	22				!			
						Bwemba	mechanic borehole	Afridev	not functional	1999	MPs	unknown
	Canadian	9	25	=	14							
	Chadira	23	98	23	<del>1</del> 5			-				
7	Chadza	33	113	23	9							
7	Chadza	8	382	200	182							
	Chakhutamadzi	17	22	27	8				:			
>	Chakumbutsa	. 55	230	115	115	Chakumbutsa	shallow well with hand pump	Afridev	not functional		Inter Aide	Inter Aide
	Chakuzamutu	108	529	284	245	Chakuzamutu	mechanic borehole	Afridev	functional		Government	unknown
						Chakuzamutu School	mechanic borehole	Afridev	functional	2000	EU	CHITSIME
	Chakwera	31	135	90	75							
	Chalemba	10	57	33	24	Chalemba School	mechanic borehole	Afridev	functional	1999	MASAF	unknown
L.	Chalimba School	9/	378	199	179							
	Chalusa	38	162	80	82	Chalusa	mechanic borehole	Afridev	functional	1960	Government	Government
	Chalusa	46	210	111	66							
	Chalusa School	20	. 243	114	129	Chalusa School	mechanic borehole	Afridev	functional	1997	MASAF	uwouyun
>	Chamoto	103	468	248	220	Chamoto	mechanic borehole	Afridev	functional	2002	EU	Karaliya
	Chamsanda	42	171	83	88							
	Chankondo	71	320	156	164	Chankondo	mechanic borehole	Afridev	not functional	1998	Government	Government
						Chankondo	mechanic borehole	Afridev	functional	1972	Government	Government
	Chaola	43	200	111	68	Chaola	shallow well with hand pump	Malda	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
						Chaola	shallow well with hand pump	Malda	functional	2000	Luxembourg Gvt	St Gabriel Hospital
	Chapita	9	30	15	12							
7	Chapota	30	166	82	81						-	
	Chasawa	7	30	17	13							
						Chatimba	mechanic borehole	Afridev	functional	2001		unknown
	Chatsala School	12	64	32	32	Chatsala School	mechanic borehole	Afridev	functional	1992	World Vision	World Vision
	Chawala	48	224	113	111			-				
	Chawantha	156	789	405	384	Chawantha	shallow well with hand pump	Afridev	not functional	6666	Inter Aide	Inter Aide
	Chawatha	18	77	34	43	Chawantha	mechanic borehole	Afridev	functional	111	Government	Government
	-					Chawantha School	mechanic borehole	Afridev	functional	1988	World Vision	unknown
>	Chibungo School	11	52	53	53	Chibungo School	mechanic borehole	Afridev	functional	1993	Government	Government
>	Chibungo	204	1116	455	456	Chibungo	mechanic borehole	Climax	not functional	1967	Government	Government
_	Chibuthu	2	6	5	4							
	Chibuthu	29	105	61	44							
	Chibweza	13	929	30	32							
	Chibweza	32	144	69	12/							
L_	Chibweza	25	119	90	23							
	Chicha	73	354	187	167	Chicha	shallow well with hand pump		not functional		World Vision	Chilembe Drilling Co
						Chicha	shallow well with hand pump	Afridev	not functional	6666	Inter Aide	Inter Aide
<u></u>	Chidakula	14	09	27	33	Chidakula	hand drilled borehole	ı	functional		Inter Aide	Inter Aide
								ı				

## 2003 Water Ponit Mapping

Village   House-		Total	- soletini	Females	Village	Water Source	Pump	Condition	Const	Funds	Services
뢷	—  -  -	Population		remales	VIIIage	Water Source	Type	Collidition	Year		Sei vices
	7 5	283	143	140	Chidva	shallow well with hand numb	Malda	not functional	1988	Government	Government
_			!		Chidva	windlass well	no pump	not functional	1111	Government	Government
_	88	165	72	93	Chidzala	mechanic borehole	Afridev	functional	2000	En	CHITSIME
	-	9	2	5	Chidzala	shallow well with hand pump	Malda	not functional	1995	Luxembourg Gvt	St Gabriel Hospital
 	13	SS.	82	27					_	_	
<u> </u>	180	793	362	431	Chifuka	mechanic borehole	Afridev	not functional	1976	Government	Government
	22	91	51	40					_		
:	33	147	02	11							
	109	487	245	242							
:	27	105	51	54							
	20	103	61	42	Chikankheni	mechanic borehole	Afridev	functional	2000	EU	unknown
_	27	124	29	92	Chikata	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
:	8	45	56	19							
:	22	217	112	105							
:	53	125	65	8							
:	20	110	20	09							
:	32	142	92	77							
:::	22	124	64	09	Chikudzulire	shallow well with hand pump	dund ou	not functional	1991	Germany Embsy.	St Gabriel Hospital
						rehabilitation of above well	Afridev	functional	2003		Inter Aide
					Chikudzulire School	mechanic borehole	Afridev	functional	1998	British Council	unknown
	10	32	16	16							
	23	88	45	43			_				
:	78	315	164	151					_		
:	41	188	82	103							
_	22	97	49	48							
	21	264	140	124	Chilaza EPA	mechanic borehole	Climax	functional	1972	Project	Central Africa Drillers
- :	28	115	29	56						一	
_	87	371	191	180	Chileka	mechanic borehole	Afridev	functional	1963	7	unknown
	18	177	39	38	Chileka	mechanic borehole	Afridev	functional	2002	Government	CHITSIME
Chileka Trading Centre	88	438	237	201	Chileka ADMARC	mechanic borehole	Aquadev	functional	1995	ADMARC	unknown
					Chileka CDSS	mechanic borehole	Afridev	functional	1997	unknown	South African Co
_					Chileka CDSS	mechanic borehole	Climax	functional	1997		Government
	 				Chileka Health centre	mechanic borehole	Afridev	functional	2000		nnknown
				_	Chileka Market	mechanic borehole	Afridev	functional	2001	Government	Karaliya
::	32	128	54	74							
	_			<b></b>	Chilowa	mechanic borehole	Climax	functional	1971	Government	Government
	28	125	99	29	Chilowe	shallow well with hand pump	Malda	not functional	1998	World Vision	unknown
· · ·	46	208	06	118	Chilowe	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
	28	123	60	63							
	20	82	37	45					4		
	19	74	37	37							
	89	312	158	154	Chimkuyu	mechanic borehole	Afridev	not functional	1980	7	Scheme
	9	52	11	14	Chimombo	shallow well with hand pump	Maida	functional			Health Centre
	84	362	184	178	Chimongo	Imperior horabola	القات	inot functional	700		

		KALOLO TAVEA			:			
<u> </u>	Males Females	Village	Water Source	Pump	Condition	Const. Year	Funds	Services
		Chimono	mechanic borehole	Afridev	functional		EU	unknown
_	۵							
- 1						_		
	30 31	Chimphangu	mechanic borehole	Afridev	functional	6661	MPs	unknown
' 'I'								
	δ 48	ō		86-54				1000
- 16		Chimsewu	mechanic borenole	Affidev	not runctional	8/6	covernment	Соуегител
OIT	143 113	Chimsolo	mechanic borehole	Afridev	not functional	1998	Government	Government
7		Chimisolo	mechanic horehole	Afridey	functional	_	MASAF	unknown
11	75 82	Chimtawa	shallow well with hand pump	umo ou		_	Germany Embassy	
വ്	2 78					Т		-
i lè	133 157	Chimwala	mechanic borehole	Climax	not functional	1971	Government	Government
íI.		Chimwala	mechanic borehole	Afridev	not functional	1	MASAF	unknown
၊ဖ	167 170	Chimwaza	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	_	Chimwaza	mechanic borehole	Afridev	functional		MASAF	Government
27	28							
1	5							
115	109	Ching'ona	mechanic borehole	Afridev	functional	1972	Government	Government
44								
63								
117					:			
88	100	Chinkhunda	mechanic borehole	Afridev	functional	2001	En .	nwown
- 1		Chinkhunda	mechanic borehole	Afridev	functional	1998	Government	Government
- 1								
$\sim$ 1.	_							
	101		4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	A finisher:	loneiten. 1	5000	-	400
	77 72	Clinyerere school	Illectionic Deletiole		ים וכנוסו ופו	1007	2	din lower
	201	Chinakanaka	mechanic horehole	200	not functional	1081	Government	Government
		Chipanapana	201010000000000000000000000000000000000	4			Wind the second	
	ľ	Chinanda	mechanic borehole	Afridev	functional	2002	Government	Karaliva
		Chineni	windlass well	amin on	not functional	1111	Government	Government
דוי	_							
TIC								
20	Ì							
N	35							
⊽।			_					
	31 29	Chipukwa	shallow well with hand pump	Afridev	not functional	9999	Inter Aide	Inter Aide
		Chipumi	mechanic borehole	Afridev	functional	1992	Government	Government
	82 70		-					
		Chipwanya	mechanic borehole	Afridev	functional	2000	EU	PL Drillers
		Chipwanya	mechanic borehole	Afridev	functional		Government	Government
	_							

## 2003 Water Ponit Mapping

	Services	CHITSIME	Inter Aide	Government	unknown	Government	unknown	Government	Government		Government			Government			unknown	St Gabriel Hospital	unknown	Government	nnknown .		Government	Inter Aide	unknown	St Gabriel Hospital	World Vision	unknown	unknown	Inter Aide	Government	unknown	Government	Government			unknown	Government								unknown
	Funds			Government		vernment		Government (	MASAF		Government			Government			$\neg$	Luxembourg Gvt	MASAF	ment	Danida		ant .	0		Ğ	World Vision		int	Inter Aide	/ernment	EU		Government				Government							1	2001 MASAF
	Const. Year	2000	6666	1983	1994	1973	2000	1973	1998		1973			1971			2000	1994	1999	1972	2001		1971	2004	1999	1987	1994	2002	1972	6666	1971	2001	1971	1971			1999	1984								502
	Condition	functional				nal	functional	not functional	functional		not functional			not functional			functional	not functional	functional	not functional	functional		functional	in progress	functional	functional	functional	functional	functional	not functional	not functional	functional	not functional	not functional			not functional	not functional								functional
	Pump Type	Afridev	Afridev	Climax	Afridev	Afridev	Afridev	Climax	Afridev		Afridev			Climax			Afridev	Malda	Afridev	Climax	Afridev		Afridev	Afridev	Afridev	Malda	Climax	Afridev	Afridev	Afridev	Climax	Afridev	Climax	Climax			Afridev	Afridev								Afridev
	Water Source	mechanic borehole	shallow well with hand pump	mechanic borehole		mechanic borehole	mechanic borehole		mechanic borehole		mechanic borehole			mechanic borehole			mechanic borehole	shallow well with hand pump	mechanic borehole	mechanic borehole	mechanic borehole			hand drilled borehole		and pump				shallow well with hand pump	mechanic borehole	mechanic borehole		mechanic borehole				mechanic borehole								mechanic borehole
KALOLO TAVEA	Village	Chisaka	(S		Chisikwa	Chisikwa	Chisikwa	Chisikwa Vetenary	Chisindo		Chisuka			Chitangire (Chitangile)			Chitopola	Chitukula	Chituwi	Chituwi	Chiulambo	,	Chiwambo	Chiwete I	Chiwete (B)	Chiwete (B)	Chiwe H/Centre	Chiwe School	Chizenje	Chiziko	Chizula	Dama	Dama	Dambo			Dyuku	Dzama School								Felankhope
-		_			45			<u> </u>		37		12	20		79		100		259 (		Ľ	127	164	L		02	_	_	_	154	_	20			59	53			276	30	154	124	231	83		П
	Females			_		6						*		2	8					96	_	_										44			44	45									19	_
	Males			7.	28	æ			119	41		14	21	12	9	<b>4</b> 1	08		241	6		158	157		159	9				163		4	113	216	4	4		6	283	2	14	111	325	٩		2
	Total Population			159	103	163			240	78		26	37	20	147	34	180		200	179		285	321		321	131				317		94	228	461	103	86		63	259	25	294	235	226	145	51	95
	House- holds			38	21	31			53	16		9	6	4	34	7	40		119	39		83	29		20	29				20		25	20	.113	25	18	-	13	132	14	73	61	146	30	15	13
KALOLO TA/EA	Village			Chisenga	Chisikwa	Chisikwa.			Chisindo.	Chisindo		Chitende	Chithambo	Chithangile	Chithangile	Chithuzi	Chitopola		Chituwi	Chituwi		Chiunjira	Chiwambo		Chiwete (B)	Chiwete (B)				Chiziko		Dama	Dama.	Dambo	Dovu.	Dyuke		Dzalanyama Forest	Dzama	Dzinja.	Dzinja	Dzoole	Dzulawanda	Elias	Elita	Felankhope
	Requested Village*			>	>	Ι.								7	>				>	>										7	>			>					>	2	>		>			

## 2003 Water Ponit Mapping

	sə															e)												ospital																		ospital
	Services	unknown				unknown						Government		Government		Health Centre	unknown	unknown	unknown					Inter Aide				St Gabriel Hospital	Karaliya						Inter Aide	Government	Government				unknown	Government	Inter Aide	Inter Aide		St Gabriel Hospital
	Funds	unknown				MASAF						Government		Government		Health Center	EU	Proscarp	Proscarp					Inter Aide				Luxembourg Gvt	MPs						Inter Aide	Government	Government				na En	Government	Inter Aide	Inter Aide		Luxembourg Gvt
	Const. Year	1976				2000						1987		1999		1982	2001	2001	0007					2003				1994	2002						6666		1974				2001	1972	2003	2004		1111
		not functional				functional					- 1	not functional	ŀ	not functional	_	nal		functional	not functional					functional			T	na	functional					П	_[		not functional				functional	functional	functional	in progress	- 1	not functional
	Pump Type	no pump				Afridev						Malda		Malda		Malda	Afridev	Afridev	Malda					Afridev				Malda	Afridev						Afridev	Afridev	Afridev				Afridev	Afridev	Afridev	Afridev		Maida
	Water Source	mechanic borehole				mechanic borehole						shallow well with hand pump		shallow well with hand pump		shallow well with hand pump	mechanic borehole	mechanic borehole	shallow well with hand pump					hand drilled borehole				shallow well with hand pump	mechanic borehole						shallow well with hand pump	mechanic borehole	mechanic borehole				mechanic borehole	mechanic borehole	hand drilled borehole	hand drilled borehole		shallow well with hand pump
KALOLO TA/EA	Village	Fisi				Gedi						Gome		Guliguli		Gundamtengo		Gundula	Gundula					Jeke				Jinja	Jolamu						Kabungwe	Kabwana	Kabwana				Kachedwa	Kachele	Kachiguya I	Kachiguya II		Kachingwe
	səll		42	17	21		26	58	81	32	180				109		153			41	258	51	51		32	61	78	_		113	78	33	70		33			44	4	33			221		367	
	Females	9	2	15	8														_						1	69	6						199					37	4	27			204		315	L
	Males	3	<u>ش</u>	1	2		23	2	9	3	18	112	178	110	119		130		Ŀ	2	319	43	43				ω					$\Box$	_		$\Box$	225							Ц	Ц		
	Total Population	119	77	32	49		49	112	150	65	366	234	384	216	228		283			69	222	101	110		73	130	167			216	142	83	409	94	158	464		81	00	09		88	425		682	176
	House-	29	17	6	11		9	27	32	12	84	51	26	40	45		65			15	168	23	20		17	32	41			47	35	17	88	25	34	119		17		13		25	86		157	38
KALOLO TA/EA	Village	Fisi	Folomani	Funsamtima	Gadion		Genala	Gezani	Gilibati	Glyn	Goliat	Gome	Gontha	Guliguli	Guliguli		Gundula			Gwani	Impala Estate	Jabesi,	Jaioni		Jeredi	Jeremani	Jim			Jolofani	Jonas	Julius	Kabala (A).	Kabala (B)	Kabungwe	Kabwana		Kachawa Estate	Kachawa Estate	Kachawa Estate		Kachele	Kachiguya		Kachila	Kachingwe
	Requested Village*											>		>	>					>											>					7										

\* Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

2003 Water Ponit Mapping

Actions         Floates         Floates         Floates         Floates         Floates         Floates         Type         Condition           5. 1 2	F	KALOLO TAJEA		}			KALOLO TA/EA	.A	1		2			Γ
ebo         17         18         34         34         98         98         98         98         98         98         98         98         98         98         98         98         98         98         98         98         98         144         145         148         149         149         149         149         149         149         149         140 <th>Requested Välage*</th> <th>Village</th> <th>House- holds</th> <th>Total Population</th> <th>Males</th> <th>Females</th> <th>Village</th> <th>Water Source</th> <th>Type</th> <th>Condition</th> <th>Year</th> <th>Funds</th> <th>Services</th> <th></th>	Requested Välage*	Village	House- holds	Total Population	Males	Females	Village	Water Source	Type	Condition	Year	Funds	Services	
Kiendro         17         51         73         Residentida         Interchante         Afrider         Introductional           d21         79         289         143         160         Kadzani         mechanic borehole         Introductional           d22         79         289         37         321         Kaffreya School         mechanic borehole         Introductional           d2         70         326         33         37         189         187         Kaffreya School         Mechanic borehole         Introductional           D         20         36         37         27         Kaffreya School         Mechanic borehole         Afrideya Introductional           D         20         36         37         27         36         37         47         48         48         47         47         48         48         47         47         48         48         47         47         48         48         47         47         47         48         48         47         47         47         48         48         48         48         48         48         48         48         48         48         48         48         48         48 <td< td=""><td>꼳</td><td>achitseko</td><td>12</td><td>60</td><td>26</td><td>34</td><td></td><td></td><td></td><td></td><td>'</td><td></td><td></td><td>1</td></td<>	꼳	achitseko	12	60	26	34					'			1
Report Control         10         267         220         124         126         Kedpandru         mechanic borehole         Afrider         functional           dbu         78         289         144         145         Kedzand         mechanic borehole         Afrider         functional           dbu         134         658         337         321         Kedzand         mechanic borehole         Afrider         functional           e         136         158         157         Kedfnya School         mechanic borehole         Afrider         functional           (B)         229         158         34         25         Account         mechanic borehole         Afrider         functional           (B)         229         128         17         10         Kedfnya School         mechanic borehole         Afrider         functional           (B)         220         223         14         422         Kedeb         mechanic borehole         Afrider         Innclinal           (B)         229         172         120         Kedeb         Mechanic         mechanic borehole         Afrider         Innclinal           (B)         122         223         122         223         123 </td <td>꼰</td> <td>achulu</td> <td>27</td> <td>124</td> <td>51</td> <td>73</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>٦</td>	꼰	achulu	27	124	51	73								٦
Ege 17 27         259         147         1450         (kadyaudiau         mnechanic borehole         Afridew         Innclional           22 28         14 145         145         145         145         145         146         147         Madzani         mnechanic borehole         Innclional         Innclional           10         228         183         237         237         147         146         157         Madzani         Madzanic borehole         Afridew         Innclional           10         23         186         167         188         187         187         188         187         188	볼	adyamkondo	10	51	29	22								$\neg$
deb.         78         289         144         145         Kadzani         mechanic borehole         no pump not functional           8         134         337         331         Kafriya School         mechanic borehole         Afridev         functional           8         145         169         147         Kafriya School         mechanic borehole         Afridev         functional           160         22         169         147         Kafriya         140	闰	adyaudzu	69	267	137	130	Kadyaudzu	mechanic borehole	Afridev	functional	1970	Government	Government	
134   658   37   321   Kazbani Imerhanic bornchole   Ino pump   Inot functional	×	adyaudzu	79	289	144	145								
134   658   337   321   Kaffiya School   mechanic borehole   Afridev   functional   1							Kadzani	mechanic borehole	dund ou		1973	NationalWDP	Government	
School   13   66   33   33   33   33   33   33	ᆇ	adzanja	134	658	337	321							1	ĺ
Seption         70         326         163         157         Accordance         Company	Щ						Kafinya School	mechanic borehole	Afridev	functional	1999	na ,	CHITSIME	
(B)         33         33         98         46         53         33         48         53         48         68         48         53         48         53         53         48         53         53         48         53         53         77         16         (B)         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78         110         64         78	ᆇ	afunde	70	326	169	157								
(B)         23         86         53         Amount         Mechanic borehole         Climax         not functional           (B)         37         26         34         29         Kakuyu         mechanic borehole         Climax         not functional           Estate         4         116         Kakuyu         mechanic borehole         Climax         not functional           177         445         222         223         Kalolo         mechanic borehole         Afridev         functional           205         886         444         442         Kalolo School         mechanic borehole         Afridev         functional           206         886         444         442         Kalolo School         mechanic borehole         Afridev         functional           3         172         72         33         420         Kalolo School         mechanic borehole         Afridev         functional           3         158         87         96         Mamaria         mechanic borehole         Afridev         functional           3         158         87         96         172         Kamarial         mechanic borehole         Afridev         functional           4         25	녹	afunya School	13	. 66	33	33								T
(9)         20         88         37         51         64kuyu         mechanic borehole         Climax         not functional           Eside         5         33         17         16         Kakuyu         mechanic borehole         Climax         not functional           107         445         222         223         Kalolo         Mealop         mechanic borehole         Africal         functional           107         446         222         223         Kalolo         Mealop         mechanic borehole         Africal         functional           108         170         444         442         170         Kalolo School         mechanic borehole         Africal         Intrictional           108         172         334         164         170         Kalolo School         mechanic borehole         Africal         Intrictional           109         172         334         164         170         Kalolo School         mechanic borehole         Africal         Intrictional           100         172         33         164         170         Kalolo School         mechanic borehole         Africal         Intrictional           101         172         173         Kamaria         mechani	×	(agona (B)	23	66	46	53								
Estate         14         28         34         29         (Faknyu)         mechanic borehole         Climax         not tunctional           4.5         186         77         110         (Faknyu)         mechanic borehole         Afridav         functional           1.07         445         122         180         122         Kalolo         mechanic borehole         Afridav         functional           2.05         886         444         422         Kalolo         Ralolo School         mechanic borehole         Afridav         functional           9.05         172         72         100         Kalolo School         mechanic borehole         Afridav         functional           9.06         172         334         164         170         Kalolo School         mechanic borehole         Afridav         not functional           9.07         18         180         80         100         Acanada         mechanic borehole         Afridav         Inctional           9.08         170         Kamazi DEC         mechanic borehole         Afridav         Inctional           9.1         18         53         14         7         7         7         Admazi School         mechanic borehole         <	<u>×</u>	(agona (B)	20	88	37	51								Ī
Estate         5         3.3         1/2         16         Kakuyu         mechanic borehole         Cilmax         Intrinctional           64         301         149         152         Kalolo         mechanic borehole         Afridey         functional           205         88         424         223         Kalolo Court         mechanic borehole         Afridey         functional           30         172         72         100         Kalolo Court         mechanic borehole         Cilmax         not functional           30         172         72         100         Kalolo Court         mechanic borehole         Cilmax         not functional           30         172         33         164         170         Kalolo Court         mechanic borehole         Cilmax         not functional           30         172         34         164         170         Kalolo School         mechanic borehole         Cilmax         not functional           31         120         89         100         Kamanita         mechanic borehole         Cilmax         not functional           31         120         89         100         Kamanita         Mechanic borehole         Methole         Cilmax         Intritiona	×	(ajusi	14	છ	34	58								T
45         186         76         110         mechanic borehole         Afridev         functional           107         445         222         223         Kalolo         mechanic borehole         Afridev         functional           205         886         444         422         Kalolo School         mechanic borehole         Climax         rot functional           39         172         72         100         Kalolo School         mechanic borehole         Climax         rot functional           39         172         72         100         Kalolo School         mechanic borehole         Climax         functional           39         172         72         100         Kalolo School         mechanic borehole         Climax         functional           30         172         72         100         Kalolo School         mechanic borehole         Climax         functional           31         120         99         100         Kamatia         mechanic borehole         Aquadev         functional           31         120         52         65         50         Kamatia         mechanic borehole         Afridev         functional           31         12         7         12	-	(akuyu Estate	5	SE 33	11	91	Kakuyu	mechanic borehole	Climax	not functional	1962	Government	unknown	1
6 4         301         148         152         Kalolo         mechanic borehole         Afridev         functional           107         445         223         Kalolo Court         mechanic borehole         Afridev         functional           308         172         72         100         Kalolo School         mechanic borehole         Afridev         functional           309         172         334         164         170         Kalolo School         mechanic borehole         Afridev         functional           309         172         334         164         170         Kalolo School         mechanic borehole         Afridev         functional           300         139         160         Kalolo School         mechanic borehole         Afridev         functional           31         120         39         100         Mamari         mechanic borehole         Afridev         functional           31         120         39         100         Kamaria         mechanic borehole         Afridev         functional           31         120         121         Kamaria         mechanic borehole         Afridev         functional           31         120         122         420	3	(alata	45	186	9/	110								
107         445         223         Kalolo         mechanic borehole         Afridev         functional           38         172         72         100         Kalolo School         mechanic borehole         Afridev         Inncitonal           48         172         17         100         Kalolo School         mechanic borehole         Afridev         Inncitonal           9         172         17         17         17         183         184         170         Kalolo School         mechanic borehole         Afridev         Inncitonal           9         183         183         183         180         99         100         Mealolo School         Inncitonal         Inncitonal           18         <	∸	(alazi	64	301	149	152						_		٦
205         886         444         422         Kablobo Court         mechanic borehole         Afridevor         functional           39         172         72         100         Kalolo School         mechanic borehole         Climax         functional           3         72         334         164         170         Kalolo School         mechanic borehole         Climax         functional           39         190         96         100         mechanic borehole         Climax         functional           39         190         96         100         mechanic borehole         Climax         functional           39         190         96         100         mechanic borehole         Climax         functional           39         190         97         47         47         47         47         47         47           30         100	1.5	(alolo	107	445	222	223	Kalolo	mechanic borehole	Afridev	functional	1998	unknown	unknown	
39         172         72         100         Kalolo Court         mechanic borehole         Climax         not functional mechanic borehole           91         72         334         164         170         Kalolo School         mechanic borehole         Climax         Innctional           91         152         183         87         96         Kalolo School         mechanic borehole         Climax         Innctional           99tatumbi.         39         190         96         Kamari         Inncerlantic borehole         Climax         Innctional           9flat         25         16         6         50         Kamari         mechanic borehole         Aquadev         Innctional           9flat         25         16         13         Kamari         mechanic borehole         Aquadev         Innctional           12         25         16         12         Kamari         mechanic borehole         Afridev         Innctional           12         1         1         Kamari         mechanic borehole         Afridev         Innctional           1         1         1         1         Kamaridodya         mechanic borehole         Afridev         Innctional           1         1 </td <td>屵</td> <td>(alolo,</td> <td>205</td> <td>988</td> <td>444</td> <td>442</td> <td>Kalolo</td> <td>mechanic borehole</td> <td>Afridev</td> <td>functional</td> <td>1999</td> <td>unknown</td> <td>unknown</td> <td><math>\neg</math></td>	屵	(alolo,	205	988	444	442	Kalolo	mechanic borehole	Afridev	functional	1999	unknown	unknown	$\neg$
Actalon School   Mechanic borehole   Aquadev   not functional anguades   Aquadev   Aquadev	P	(alolo,	33	172	72	100	Kalolo Court	mechanic borehole	Climax	not functional	1974	Government	Government	
72         334         164         170         Kalolo School         mechanic borehole         Climax         functional           33         120         53         67         96         100         9         100	╄						Kalolo School	mechanic borehole	Aquadev		1111	Religious institution Other	n Other	7
72         334         164         170         Proposition         <	╁						Kalolo School	mechanic borehole	Climax	functional	1972	Government	Government	
45         183         87         96         Permitted         Permitted <t< td=""><td>Ě</td><td>(alonga</td><td>72</td><td>334</td><td>164</td><td>170</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Ě	(alonga	72	334	164	170								
38         199         99         100         Amount of the control	∸	(alongopyera	45	183	87	96								7
33         120         53         67         mechanic borehole	-	(alusa	39	199	66	100								T
29         116         66         50         mechanic borehole         Aquade         functional           49         254         131         123         Kamarai         mechanic borehole         Climax         Incitonal           49         220         108         112         Kamafila         mechanic borehole         Climax         Incitonal           6         19         7         12         Kamazi School         mechanic borehole         Afridev         functional           6         19         7         12         Kambafodya         mechanic borehole         Afridev         functional           7         33         144         74         70         mechanic borehole         Afridev         functional           7         33         149         70         kambafodya         mechanic borehole         Afridev         functional           7         33         149         70         kamtsalira         mechanic borehole         Afridev         functional           85         38         18         37         kamtuloza         mechanic borehole         Afridev         functional           87         384         178         18         Kamundaya         mechanic borehole <td>쪼</td> <td>(amangafumbi</td> <td>. 33</td> <td>120</td> <td>23</td> <td>67</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td>	쪼	(amangafumbi	. 33	120	23	67					_			
58         254         131         123         Meanarzi         mechanic borehole         Aquadey         functional           49         220         108         112         Kamatila         mechanic borehole         Climax         not functional           1         2         12         Kamatila         mechanic borehole         Afridey         functional           1         1         7         12         Kamazi School         mechanic borehole         Afridey         functional           1         7         12         Kambafodya         mechanic borehole         Afridey         functional           1         7         12         Kambafodya         mechanic borehole         Afridey         functional           1         7         12         Kambafodya         mechanic borehole         Afridey         functional           1         7         12         Kamtsalira         mechanic borehole         Afridey         functional           2         7         2         37         42         Kamtsalira         mechanic borehole         Afridey         functional           2         7         3         3         Kamtsalira         mechanic borehole         Afridey         functional <td>×</td> <td>amangila</td> <td>29</td> <td>116</td> <td>99</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>:</td> <td></td>	×	amangila	29	116	99	20					-		:	
49         220         108         112         Kamaria         mechanic borehole         Aquadev         functional           1         2         108         112         Kamatila         mechanic borehole         Clinax         not functional           1         1         Kamati Ber         mechanic borehole         Afridev         functional           1         1         1         Kamati Ber         mechanic borehole         Afridev         functional           1         2         19         7         12         kambafodya         mechanic borehole         Afridev         functional           1         7         12         kambafodya         mechanic borehole         Afridev         functional           1         7         12         kambafodya         mechanic borehole         Afridev         functional           1         7         12         kamtsalira         mechanic borehole         Afridev         functional           2         7         3         3         Kamtsalira         mechanic borehole         Afridev         functional           a         85         386         189         197         Kamundaya         mechanic borehole         Afridev         functional	ᆇ	amangila	28	254	131	123			-		1	1		T
49   220   108   112   Kamatila   mechanic borehole   Climax   not functional kamatila   mechanic borehole   Climax   not functional kamatila   mechanic borehole   Afridev functional kamatila   mechanic borehole    Щ						Kamanzi	mechanic borehole	Aquadev	一	1987	World Vision	unknown		
Kamazi DEC   mechanic borehole   Afridey   functional	포	amatila.	49	220	108	112	Kamatila	mechanic borehole	Climax	not functional	1971	_	Government	
right         Kamazi DEC         mechanic borehole         Afridev         functional           right         6         19         7         12         Kambafodya         mechanic borehole         Afridev         functional           right         6         19         7         12         Ambafodya         mechanic borehole         Afridev         functional           right         78         339         149         70         Meantsalira         mechanic borehole         Afridev         functional           a         20         79         37         42         Kamtsalira         mechanic borehole         Afridev         functional           wa         85         386         189         197         Kamuloza         mechanic borehole         no pump         no pu	H						Kamatila	mechanic borehole	Afridev	functional	2000	$\neg \tau$	unknown	T
ridi         6         19         7         12         Kambafodya         mechanic borehole         Afridev         functional functional           ridi         6         19         7         12         Kambafodya         mechanic borehole         Afridev         functional           ridi         78         339         144         74         70         Membafodya         Mechanic borehole         Afridev         functional           a         33         149         190         Membafodya         Mechanic borehole         Afridev         functional           a         20         79         37         42         Membafodya         Mechanic borehole         Afridev         functional           wa         85         386         189         197         Kamuloza         mechanic borehole         Ropump         Ropump         Incitional           machanic         85         386         189         186         Kamuloza         mechanic borehole         Afridev         functional           machanic         87         364         178         186         Membafore         Membafore         Afridev         Incitional           machanic         87         262         262         4							Kamazi DEC	mechanic borehole	Afridev	functional	2002	_	unknown	П
Inditional         Inditional         Mechanic borehole         Afridev         functional functional           Inditional         7         12         Rambafodya         mechanic borehole         Afridev         functional           Inditional         78         339         149         70         Rambafodya         mechanic borehole         Rambaforal           Inditional         16         76         39         37         Kamtsalira         mechanic borehole         Afridev         functional           Invariant         85         386         189         197         Ramuloza         mechanic borehole         Ino pump         not functional           Invariant         87         364         178         Kamundaya         mechanic borehole         Afridev         functional           Invariant         17         26         25         262         Ramundaya         mechanic borehole         Afridev         functional	┞						Kamazi School	mechanic borehole	Afridev	functional	1999		unknown	T
udi         6         19         7         12         Permitted         Permitt	_						Kambafodya	mechanic borehole	Afridev	functional	2001	EU	unknown	
33         144         74         70         And the control of control o	半	ambaundi	9	19	7	12					_			
78         339         149         190         mechanic porehole         Afridev         functional           16         76         39         37         Kamtsalira         mechanic borehole         Afridev         functional           10         79         37         42         mechanic borehole         Afridev         functional           10         18         197         kamuloza         mechanic borehole         no pump         no functional           11         520         25         26         26         4         1         1	1	(amchire	33	144	74	02								
name         16         76         39         37         Kamtsalira         mechanic borehole         Afridev         functional           wa         20         79         37         42         mechanic borehole         Afridev         functional           wa         85         386         189         197         mechanic borehole         no pump         no pump           Ramundaya         mechanic borehole         Afridev         functional           87         364         178         186         mechanic borehole         Afridev         functional           11         50         4         262         262         4         4         6         6         7         6         7         6         7         7         7         7         7         7         8         7         8         8         8         8         8         8         8         8         8         9         8         9         8         9         8         9         8         8         9         8         9         8         9         8         9         8         9         8         9         9         8         9         9         9         <	ľ	amloza	78	339	149	190								
a         20         79         37         42         Kamtsalira         mechanic borehole         Afridev         functional           wva         85         386         189         197         mechanic borehole         no pump         no pump         not functional           87         364         178         186         mechanic borehole         Afridev         functional           11         50         4         262         262         mechanic borehole         Afridev         functional	╀	(ampala	19	9/	89	37			<u>.</u>					
20         79         37         42         mechanic borehole         no pump not functional           85         386         187         Kamuloza         mechanic borehole         no pump not functional           87         364         178         186         mechanic borehole         Afridev         functional           112         520         258         262         no pump         no pump         no pump         no pump	╀						Kamtsalira	mechanic borehole	Afridev	functional	1999	MASAF	Government	
85         386         189         197         Kamuloza         mechanic borehole         no pump not functional           112         520         258         262         4         252         253         254         254	논	amsatila	8	62		42								
Kamuloza mechanic borehole no pump not functional   Kamundaya mechanic borehole   Afridev functional	논	amsengwa	85	386		197								
Manual   Kamundaya   Mechanic borehole   Afridev functional	╀						Kamuloza	mechanic borehole	dund ou		1971		unknown	
87 364 178 186 112 520 258 262	$\vdash$						Kamundaya	mechanic borehole	Afridev		1998	unknown	unknown	
112 520 258	1	(amvere	87	364										
*	-	(andaya	112		L	L								
4	屵	Kandaya	4		L									П

\* Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

2003 Water Ponit Mapping

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House		KALOLO TA/EA	1998 CENSUS	Naca			KALOLO TA/EA		walei ro	zuus water Ponit mapping			
Kanemba         39         154         71         83           Kangila         145         595         279         316           Kangila         25         117         60         57           Kangila         7         32         21         11           Kanjila         7         32         21         11           Kankuwe         10         40         19         21           Kankuwe         24         10         40         19         21           Kanyama         24         10         40         19         21           Kanyambwe         25         112         48         64           Kanyapola         25         112         48         64           Kanyapola         26         473         230         243           Kanyapola         25         112         48         64           Kapondanjeka         26         92         40         52           Kapondanjeka         27         11         54         60           Kapondanjeka         29         128         2         6           Kapondanjeka         5         21         12         7<	A SE			Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year	Funds	Services
Kangila         145         595         279         316           Kango         25         117         60         57           Kango         25         117         60         57           Kankuwe         39         150         71         79           Kankuwe         10         40         19         21           Kankuwe         24         114         61         53           Kanyambwe         24         114         61         53           Kanyambwe         24         112         40         15           Kanyambwe         24         112         40         15           Kanyambwe         25         112         61         53           Kanyambwe         26         128         63         63           Kanyambwe         26         128         64         65           Kanyambwe         29         128         64         65           Kanyambwe         29         128         6         63           Kanyambwe         29         128         6         63           Kaponda         29         128         6         6           Kaponda <th></th> <td>Kanemba</td> <td>39</td> <td>154</td> <td>71</td> <td>83</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Kanemba	39	154	71	83							
Kango         25         117         60         57           Kanjila         7         32         21         11           Kankuwe         39         150         71         79           Kankuwe B         10         40         19         21           Kanyambwe         24         114         61         53           Kanyambwe         25         112         48         64           Kanyambwe         26         473         230         243           Kanyambwe         26         473         230         243           Kanyambwe         26         473         230         243           Kanyambwe         27         10         15         66           Kaponda         27         10         52         10         15           Kaponda         27         21         11         15         66           Kaponda         27         11         12         12 <th></th> <td>Kangila</td> <td>145</td> <td>595</td> <td>279</td> <td>316</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Kangila	145	595	279	316							
Kanjila         7         32         21         11           Kankuwe         39         150         71         79           Kankuwe         10         40         19         21           Kantotele         8         41         20         21           Kanyama         24         112         48         64           Kanyambwe         25         112         40         52           Kanyambwe         26         92         40         52           Kanyambwe         26         92         40         52           Kaphwai         27         14         54         60           Kaphwai         27         21         12         74           Kapunda         27         28         140         145           Kapunda			22	117	8	25					-		
Kanijla         7         32         21         11           Kankuwe         39         150         71         79           Kankuwe         10         40         19         21           Kantotole         8         41         20         21           Kanyama         24         112         48         64           Kanyambwe         25         10         15         51           Kanyambwe         26         473         230         243           Kanyamgwe         26         473         230         243           Kanyamgwe         26         27         40         52           Kaphudia         29         106         54         60           Kaphudia         51         11         51         6           Kapundanjoka         5         14         52         6           Kapunda         5         14         52         6           Kapundanjok							त्त्व।	mechanic borehole	Afridev	functional	1970	Government	Government
Kankuwe         39         150         71         79           Kankuwe B         10         40         17         79           Kankuwe B         10         40         19         21           Kanyama         24         114         61         53           Kanyambwe         25         112         48         64           Kanyambwe         109         473         230         243           Kanyambwe         109         473         230         243           Kanyambwe         109         473         230         243           Kanyambwe         26         92         40         52           Kanyambwe         2         82         40         52           Kanyambwe         2         82         40         52           Kanyamdwa         2         82         40         52           Kaphesi         2         8         2         6           Kaphorda         2         8         2         6           Kapondanjoka         5         21         12         9           Kapunula Schoel         7         22         12         12           Kapu		Kanjila	7	32	21	7	- 1	mechanic borehole	Afridev	functional	1111	Government	Government
Kankuwe         39         150         71         79           Kankuwe B         10         40         19         21           Kantotole         8         41         20         21           Kanyambwe         24         114         61         53           Kanyambwe         25         112         48         64           Kanyambwe         25         112         48         64           Kanyambwe         25         112         48         64           Kanyambwe         26         92         40         52           Kanyambwe         28         128         5         5           Kaphwiyo         23         114         54         60           Kaphuda         29         106         54         52           Kapuda         29         106         54         52           Kapuda         21         113         57         56           Kapunda <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Kanjila School</td> <td>mechanic borehole</td> <td>Afridev</td> <td>functional</td> <td>2001</td> <td>EN</td> <td>unknown</td>							Kanjila School	mechanic borehole	Afridev	functional	2001	EN	unknown
Kankuwe B         10         40         19         21           Kantotole         8         41         20         21           Kanyama         24         114         61         53           Kanyambwe         25         112         48         64           Kanyambwe         25         112         48         64           Kanyambwe         26         92         40         52           Kanyandwa         26         92         40         52           Kanyandwa         26         92         40         52           Kaphesi         29         107         56         51           Kaphwiyo         29         128         65         65           Kapondanjoka         21         113         57         56           Kapunula         29         106         54         65           Kapunula         21         113         57         56           Kapunula         29         106         54         52           Kapunula         20         69         27         42           Kapunula         20         69         27         42           Kasanj		Kankuwe	33	150	71	79							
Kantotole         8         41         20         21           Kanyambwe         24         114         61         53           Kanyambwe         25         112         48         64           Kanyambwe         25         112         48         64           Kanyambwe         25         10         15         63           Kanyambwe         26         92         40         52           Kanyopola         26         92         40         52           Kappaa         19         107         56         63           Kaponda         29         128         65         63           Kaponda         29         106         54         60           Kapunda         29         106         54         50           Kapunda         20         113         57         78           Kapunda         20         69         27         42           Kapunda		Kankuwe B	10	40	19	21							
Kantolole         8         41         20         21           Kanyambwe         24         114         61         53           Kanyambwe         25         112         48         64           Kanyambwe         109         473         230         243           Kanyambwe         25         25         10         15           Kanyang'wa         26         92         40         52           Kanyang'wa         26         92         40         52           Kapapa         19         107         56         51           Kaphwiyo         23         174         56         52           Kaponda         29         128         5         6           Kapondanjoka         21         113         57         56           Kapondanjoka         21         113         57         78           Kapunula         5holo         8         48         26         27           Kapunula School         8         48         26         27         42           Kasanja         72         285         140         145           Kasenza         80         432         210		-					Kansawa	mechanic borehole	Afridev	functional	1999	MASAF	unknown
Kanyama         24         114         61         53           Kanyambwe         25         112         48         64           Kanyambwe         25         112         48         64           Kanyambwe         26         112         48         64           Kanyambwe         26         25         10         15           Kanyangwa         26         92         40         52           Kapapa         19         107         56         51           Kaphwyo         29         128         63         63           Kaponda         29         128         65         63           Kaponda         29         106         54         52           Kapondanjoka         21         113         57         56           Kapondanjoka         21         113         57         56           Kapunula School         8         2         2         6           Kapunula School         8         2         140         145           Kasanja         7         285         140         145           Kasanja         8         2         140         145		Kantotole	8	41	20	21		•					
Kanyambwe         25         112         48         64           Kanyambwe         109         473         230         243           Kanyambwe         26         92         10         15           Kanyang'wa         26         92         40         52           Kanyang'wa         26         92         40         52           Kappaa         19         107         56         51           Kaponda         29         128         65         63           Kaponda         29         118         65         65           Kapondanjoka         21         113         57         56           Kapondanjoka         21         113         57         66           Kapondanjoka         21         11         57         66           Kapondanjoka         21         11         57         66           Kapondanjoka         21         11         57         66           Kapondanjoka         51         11         57         66           Kapondanjoka         51         11         51         51           Kapunula Estate         31         16         22         42 </td <th></th> <td>Kanyama</td> <td>24</td> <td>114</td> <td>61</td> <td>53</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Kanyama	24	114	61	53							
Kanyambwe		Kanyambwe	. 25	112	48	64	Kanyambwe	mechanic borehole	Afridev	functional	1998	Government	Government
Kanyang'wa.         5         25         10         15           Kapapa.         26         92         40         52           Kapapa.         19         107         56         51           Kapapa.         29         107         56         51           Kaphwiyo.         23         114         54         60           Kaponda.         2         8         2         6           Kapondanjoka.         21         113         57         56           Kapondanjoka.         21         113         57         56           Kapondanjoka.         21         113         57         56           Kapudzama.         21         113         57         56           Kapudzama.         74         329         170         159           Kapunula School.         8         48         26         27         42           Kapunula School.         18         85         27         42           Kasanja         20         69         27         42           Kasanja         33         136         67         69           Katete.         80         432         210         22	1	Kanyambwe	109	473	230	243	Kanyambwe	mechanic borehole	Afridev	functional	1970	Government	Government
Kanyang'wa.         5         25         10         15           Kanyopola.         26         92         40         52           Kapapa.         19         107         56         51           Kapapa.         29         128         65         51           Kaphwiyo.         23         114         54         60         52           Kaponda.         29         106         54         52         6           Kapondanjoka.         21         113         57         56         75           Kapondanjoka.         21         113         57         56         76         78           Kapudzama.         21         113         57         56         78	ĺ						Kanyambwe	mechanic borehole	Afridev	functional	1999	unknown	unknown
Kaphesi         26         92         40         52           Kaphesi         19         107         56         51           Kaphesi         29         128         65         51           Kaphesi         29         128         65         51           Kaphwiyo         23         114         54         60         60           Kapondanjoka         29         106         54         60         60           Kapondanjoka         21         113         57         56         60         60           Kapondanjoka         51         113         57         56         60		Kanyang'wa.	. 2	25	9	15							
Kapapa.         19         107         56         51           Kaphwiyo.         29         128         65         63           Kaphwiyo.         23         114         54         60           Kaphwiyo.         23         114         54         60           Kaphwiyo.         23         114         54         60           Kapondanjoka.         21         12         8         5         6           Kapundanjoka.         5         21         12         9           Kapundanjoka.         5         21         12         16           Kapundanjoka.         6         21         12         16           Kapundanjoka.         72         22         17         42           Kapundanjoka.         65         301         145         159           Kapundanjoka.         72         285         140         145           Katkumba.         72         285         140	ľ		26	92	40	52							
Kaphviyo.       23       114       54       60         Kaphwiyo.       23       114       54       60         Kaponda.       2       8       2       6         Kapondanjoka.       21       113       57       56         Kapondanjoka.       5       21       12       9         Kapundarjoka.       74       329       170       159         Kapundarjoka.       74       329       170       159         Kapundarjoka.       74       329       170       159         Kapunda School.       8       48       26       22         Kapunda School.       8       48       26       22         Kapunda School.       8       48       26       22         Kasanja.       72       285       140       145         Kasanja.       72       285       140       145         Kasanja.       80       432       210       222         Katekur.       80       432       210       222         Katekur.       80       48       21       66         Kasunwa.       52       256       136       17		Kapapa	19	107	56	51							
Kaphwiyo.       23       114       54       60         Kaponda.       2       8       2       6         Kapondanjoka.       21       113       57       56         Kapondanjoka.       21       113       57       56         Kapundanjoka.       74       329       170       159         Kapundanjoka.       74       329       170       159         Kapunda Estate.       31       153       75       78         Kapunula Estate.       31       153       75       78         Kapunula School.       8       48       26       27       42         Kapunula School.       18       85       34       51         Kapunula School.       18       85       34       51         Kapunula School.       18       85       34       51         Kasanja.       20       69       27       42         Kasanja.       33       136       67       69         Katele.       80       432       210       72         Kasturnwa.       52       256       136       120         Kasunwa.       52       256       141		Kaphesi	29	128	92	63							
Kaphwiyo.     23     114     54     60       Kaponda.     2     8     2     6       Kapondanjoka.     29     106     54     60       Kapondanjoka.     21     113     57     56       Kapondanjoka.     7     329     170     159       Kapunula Estate.     31     153     75     78       Kapunula School     8     48     26     27       Kapunula School     8     48     26     27       Kapunula School     8     48     26     27       Kasenza.     72     285     140     145       Kasenza.     72     285     140     145       Kasenza.     65     301     142     159       Katete.     80     432     210     222       Katetimba.     33     136     67     69       Kasundo.     52     256     136     120       Kavembe.     54     117     61     66       Kayembe.     24     117     61     6       Kayembe.     24     19     6     6       Kayembe.     40     191     6     6       Kayembe.     6     6 <td< td=""><th>1</th><td></td><td></td><td></td><td></td><td></td><td>Kaphira School</td><td>mechanic borehole</td><td>Afridev</td><td>functional</td><td>1991</td><td>UNICEF</td><td>unknown</td></td<>	1						Kaphira School	mechanic borehole	Afridev	functional	1991	UNICEF	unknown
Kaponda       2       8       2       6         Kapondarijoka       29       106       54       52         Kapondarijoka       21       113       57       56         Kapondarijoka       21       12       9         Kapunula Estate       31       153       75       78         Kapunula School       8       48       26       22         Kapunula School       8       48       26       22         Kasenza       20       69       27       42         Kasenza       72       285       140       145         Kasenza       72       285       140       145         Katekungwa       65       301       142       159         Katekungwa       65       301       142       159         Katekunwa       45       212       108       104         Katemba       52       256       141       121         Kawondo       58       262       141       121         Kayembe       58       262       141       56         Kayembe       46       194       96       95         Kaziputa       4	ı	Kaphwiyo	23	114	54	09							
Kapondanjoka     29     106     54     52       Kapondanjoka     21     113     57     56       Kapondanjoka     5     21     12     9       Kapundanjoka     74     329     170     159       Kapunula Estate     31     153     75     78       Kapunula School     8     48     26     22       Kapunula School     8     48     26     22       Kasenza     72     285     140     145       Kasenza     72     285     140     145       Katekungwa     65     301     142     159       Katekungwa     65     301     142     159       Katemba     33     136     67     69       Katemba     52     256     130     120       Kawondo     58     262     141     121       Kayembe     58     262     141     121       Kayembe     24     117     61     6       Kaziputa     40     191     96     95       Kaziputa     45     194     100       Kaziputa     86     35     16     100	Ī	Kaponda	2	8	2	9	Kaponda	shallow well with hand pump	dund ou	not functional	1994	Luxempourg Gvt	St Gabriel Hospital
Kapondanijoka.       21       113       57       56         Kapondanijoka.       5       21       12       9         Kapudzama.       74       329       170       159         Kapunula Estate.       31       153       75       78         Kapunula School.       8       48       26       22         Kapunula School.       8       48       26       22         Kapunula School.       8       48       21       42         Kapunula School.       8       48       21       42         Kapunula School.       6       30       42       42         Kapunula School.       7       285       140       145         Kapunula School.       6       8       27       42         Kathumba.       7       285       140       145         Kathumba.       48       211       99       112         Kasula.       7       14       12 <td< td=""><th>1</th><td>. Kaponda</td><td>29</td><td>106</td><td>54</td><td>25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	1	. Kaponda	29	106	54	25							
Kapondanjoka.     5     21     12     9       Kapudzama.     74     329     170     159       Kapunula Estate.     31     153     75     78       Kapunula School.     8     48     26     22       Kapunula School.     8     48     51     42       Kapunula School.     6     27     42       Kapunula School.     6     27     42       Kapunula School.     72     285     140     145       Kasenza.     72     285     140     145       Katere.     80     432     210     222       Katere.     80     432     210     222       Kathumba.     45     212     108     104       Kathumba.     48     211     99     112       Kawondo     58     262     141     121       Kayembe.     24     117     61     6       Kaziputa.     40     191     96     95       Kaziputa.     45     194     94     100       Kaziputa.     8     35     19     16	1 }	Kapondanjoka	21	113	22	99							
Kapudzama       74       329       170       159         Kapunula Estate       31       153       75       78         Kapunula School       8       48       26       22         Kapunula       18       85       34       51         Kasanja       20       69       27       42         Kasenza       72       285       140       145         Kateke       80       432       210       159         Kathumba       45       212       108       104         Kathumba       33       136       67       69         Katsurwa       48       211       99       112         Kawondo       58       262       141       121         Kayembe       24       117       61       6         Kaziputa       40       191       96       95         Kaziputa       45       194       94       100         Kaziputa       8       35       16       6	1	Kapondanjoka	9	21	12	6							
Kapunula Estate     31     153     75     78       Kapunula School     8     48     26     22       Kapunula     18     85     34     51       Kasanja     20     69     27     42       Kasenza     72     285     140     145       Katekunya     65     301     142     159       Kathumba     45     212     108     104       Kathumba     33     136     67     69       Katurwa     52     256     136     120       Kawawa     52     256     141     121       Kayembe     24     117     61     56       Kaziputa     40     191     96     95       Kaziputa     40     191     96     95       Kaziputa     8     35     16     95	l	Kapudzama	. 74	329	170	159	Kapudzama	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
Kapunula School     8     48     26     22       Kapunula     18     85     34     51       Kasanja     20     69     27     42       Kasenza     72     285     140     145       Katekunya     65     301     142     159       Kathumba     80     432     210     222       Kathumba     33     136     67     69       Katumwa     48     211     99     112       Kavondo     58     262     141     121       Kayembe     24     117     61     6       Kazilala     40     191     96     95       Kaziputa     45     194     94     100       Kaziputa     8     194     100     16	ı	Kapunula Estate	31	153	22	78	Kapunula	mechanic borehole	Climax	not functional	1970	Government	Government
Kapunula.         18         85         34         51           Kasanja.         20         69         27         42           Kasenza.         72         285         140         145           Katakungwa.         65         301         142         159           Katere.         80         432         210         222           Katumba.         33         136         67         69           Katumwa.         48         211         99         112           Kavenndo.         52         256         141         121           Kayembe.         24         117         61         56           Kazilala.         4         12         6         6           Kaziputa.         40         191         96         95           Kaziputa.         8         35         19         10	Ι.	Kapunula School	8	48	26	22	Kapunula School	mechanic borehole	Afridev	functional	1111	Government	unknown
Kasenza     20     69     27     42       Kasenza     72     285     140     145       Katakungwa     65     301     142     159       Katikumba     80     432     210     222       Katimba     33     136     67     69       Katsurwa     48     211     99     112       Kavondo     58     262     141     121       Kayembe     24     117     61     56       Kazilala     40     191     96     95       Kaziputa     45     194     94     100       Kaziputa     8     35     16     16	l	Kapunula	18	85	34	51							
Kasenza     72     285     140     145       Katakungwa     65     301     142     159       Katete     80     432     210     222       Katihumba     45     212     108     104       Katimba     48     211     99     112       Kavawa     52     256     136     120       Kavondo     58     262     141     121       Kaya     15     66     29     37       Kayembe     24     117     61     56       Kazilala     40     191     96     95       Kaziputa     45     194     94     100       Kaziputa     8     35     16     16	1	. Kasanja	20	69	27	42							
Kasenza     72     285     140     145       Katakungwa     65     301     142     159       Katete     80     432     210     222       Kathumba     45     212     108     104       Katsurnwa     48     211     99     112       Kavawado     52     256     136     120       Kaya     15     66     29     37       Kayembe     24     117     61     56       Kazilala     4     12     6     6       Kaziputa     40     191     96     95       Kaziputa     8     35     16     100	ا ً ا						Kasengwa	mechanic borehole	Afridev	functional	1998	unknown	unknown
Katekungwa.     65     301     142     159       Katete.     80     432     210     222       Kathumba.     45     212     108     104       Katinmba.     33     136     67     69       Katsurnwa.     48     211     99     112       Kawando.     52     256     136     120       Kaya.     15     66     29     37       Kazilala.     4     12     6     6       Kaziputa.     40     191     96     95       Kaziputa.     8     35     19     16	l	Kasenza	72	285	140	145							
Katere		Katakungwa	. 65	301	142	159							
Katirumba.     45     212     108     104       Katirmba.     33     136     67     69       Katsumwa.     48     211     99     112       Kawama.     52     256     136     120       Kaya.     15     66     29     37       Kayembe.     24     117     61     56       Kaziputa.     4     12     6     6       Kaziputa.     45     194     94     100       Kaziputa.     8     35     16     16		Katete	80	432	210	222							
Katimba       33       136       67       69         Katsurwa       48       211       99       112         Kawawa       52       256       136       120         Kawondo       58       262       141       121         Kaya       15       66       29       37         Kayembe       24       117       61       56         Kazilala       4       12       6       6         Kaziputa       40       191       96       95         Kaziputa       8       35       19       16			45	212	108	104	Kathumba	mechanic borehole	Climax	not functional	- 1	Government	Government
Katsurwa.     48     211     99     112       Kawawa.     52     256     136     120       Kawondo.     58     262     141     121       Kaya.     15     66     29     37       Kayembe.     24     117     61     56       Kazilala.     4     12     6     6       Kaziputa.     40     191     96     95       Kaziputa.     45     194     94     100       Kaziputa.     8     35     16     16		Katimba	33	136	29	69	Katimba	shallow well with hand pump	Malda	not functional	$\neg$	Luxembourg Gvt	St Gabriel Hospital
Kawawa.     52     256     136     120       Kawondo     58     262     141     121       Kaya.     15     66     29     37       Kayalala.     24     117     61     56       Kaziputa.     4     12     6     6       Kaziputa.     45     194     94     100       Kaziputa.     8     35     19     16		Katsumwa	48	211	66	112	Katsumwa School	mechanic borehole	Afridev	functional	1972	Government	Government
Kaya	1	Kawawa	52	256	136	120							
Kaya.     15     66     29     37       Kayembe     24     117     61     56       Kazilala.     4     12     6     6       Kaziputa.     40     191     96     95       Kaziputa.     45     194     94     100       Kaziputa.     8     35     19     16	l	Kawondo	58	262	141	121							
Kazilara     24     117     61     56       Kazilara     4     12     6     6       Kaziputa     40     191     96     95       Kaziputa     45     194     94     100       Kaziputa     8     35     19     16	ı	Kaya	15	99	29	37							
Kazilala.     4     12     6     6       Kaziputa.     40     191     96     95       Kaziputa.     45     194     94     100       Kaziputa.     8     35     19     16		Kayembe	24	117	61	56							
Kaziputa.     40     191     96     95       Kaziputa.     45     194     94     100       Kaziputa.     8     35     19     16		Kazilafa	4	12	9	9							
Kaziputa.         45         194         94           Kaziputa.         8         35         19			40	191	96	92	Kaziputa	mechanic borehole	Afridev	functional	2002	Government	unknown
Kaziputa 8 35 19			45	194	8	100							
			80	35	19	16							
Khanda C		Khanda C	81	342									

## 2003 Water Ponit Mapping

	KALOLO TA/EA					KALOLO TA/EA	√EA_					
Requested Village*	Village	House	Total Population	Males	Females	Village	Water Source	Ритр Туре	Condition	Const. Year	Funds	Services
	Khanda	16	19	30	31							
						Khani	mechanic borehole	Afridev	not functional	1960	Government	Government
	Khokho	33	131	62	69							
	Khoswe.	25	102	54	48							
	Khudu	23	8	41	58							
	Khunkhu	9	26	15	11	Khunkhu	mechanic borehole	Afridev	not functional	1999	MASAF	unknown
						Khunkhu	shallow well with hand pump	dund ou	not functional	1994	Germany Embassy	Germany Embassy St Gabriel Hospital
						Khuta	mechanic borehole	Afridev	functional	1999	EU	unknown
	Khutankumange	19	74	42								
	Khwamba	12	42	20	22							
	Konkhomala	. 52	232	134						_		
	Kuchombo.	44	189	8								
	Kukatondo	29	139	2		Kukatondo	shallow well with hand pump	Malda	functional	1996	Health Center	Health Centre
2	Kumtsinzi	10	43	23						_	Т	
/	Kumtsinzi	55	224	111	Ĺ							
						Kumusonawe	mechanic borehole	Afridev	functional	1999	En	unknown
						Kutsizi	shallow well with hand pump	Malda	not functional	1987	Government	Government
	Kriwani	19	88	43		Kıwani	shallow well with hand pump	Malda	functional	1994	Luxembourg Gvt	St Gabriel Hospital
\ -	Kwenie	2		9	104					_		
•	Kuindanama	4 5	202	3								
	i diministration of the control of t	2 8		199		Logistic	mochanio barabala	Afriday	functional	2004	I I	nknosta
	Laimu	S S		132		Lallin	illection of ende	VIIIICA	Idirection	3	2	Ilacinin
	LameK	57		ည								
>	Laudani	32	162	<b>\(\)</b>				:			Т	
				_		Lemwe	shallow well with hand pump	Malda	not functional	1986		World Vision
						Lemwe	shallow well with hand pump	Malda	not functional	1980		St Gabriel Hospital
						Lemwe Clinic	mechanic borehole	Climax	functional	2001	MASAF	unknown
	Lemweto	101	464	224	240						$\neg$	
	Likanga	29	2	136	133	Likanga	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Likongwe	6		34	32					_		
	Likongwe	22	120	69	19							
	Lilani	31	138	9/	62			_		_		
	Limbanazo Estate	3	18	6	6					_		
	Liwwazi Dip Tank	2		9	5							
	Liwinga	46	240	119	121	Liwinga	shallow well with hand pump	Afridev	functional	2003	Inter Aide	Inter Aide
	Lokongwe C	. 24	114	89	46							
	Lundu	44		28	88							
7	Lusha	84	375	188	187							
Ŀ						Madetsa	mechanic borehole	Afridev	functional	2001	EU	Karaliya
7	Madika	39	137	75	62							
	Madzi	164		313	361	Madzi	shallow well with hand pump	Afridev	not functional	6666	Inter Aide	Inter Aide
	Madzi	53		126	120	Madzi	mechanic borehole	Afridev	not functional	1111	T	Government
	Mafupa	10		25	25							
	Mafuta B.	19	<u>.</u>	52	20					_		
	Mafuta C	88		174	189					<u> </u>		
	Mafuta	9		134	133 Mafuta	Mafuta	mechanic borehole	Afridev	functional	1974	Government	Government
* Many	٦,	1 254 willage	e liet ara	not shown in	1008 Cone	e data chown above						

\*: Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

Services

Inter Aide

unknown

### 1998 CENSUS

Requested Village\*

7 2

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2003 Water Ponit Mapping

	Funds		EU	Inter Aide						Inter Aide	Inter Aide	Government		Inter Aide			Government	Government				
	Const. Year		1999	2003						2002	6666	1960		2003			6661	1972				
6	Condition		functional	functional						functional	not functional	not functional		functional			not functional	not functional				
	Pump Type		Afridev	Afridev						Afridev	Afridev	Climax		Afridev			Afridev	Afridev				
	Water Source		mechanic borehole	hand drilled borehole						shallow well with hand pump	shallow well with hand pump	mechanic borehole		shallow well with hand pump			mechanic borehole	mechanic borehole				
KAI OI O TA/FA	Village		Magada School	Magombani						Malikebu	Malingamawa	Maliwa		Maliyana			Malunje School	Mandala				
	Females	92			145	92	. 61	87	364	78	20	353	11	25	21	91		132	23	164	82	
	Males	96			123	111	25	103	336	89	46	322	8	99	61	80		112	56	191	82	
	Total Population	188	-		268	206	113	190	700	146	96	675	19	123	82	171		244	49	322	167	-
	House- holds	47			28	25	53	39	176	34	23	140	4	24	2	34		23	10	99	32	
AND OLO TAKE	ы Village	Mafuta			Makala	Makala	Makanga	Makobola	Malemia	Malikebu	Malingamawa	Maliwa	Maliwa	Maliyana	Malowa Estate	Malumbila		Mandala	Mandindi	Mangochi	Manyoni	

Germany Embassy Shire Construction ocal artisans CHITSIME Government Government unknown unknown Government Government MASAF MASAF MASAF 1999 MPs 1998 1993 2001 1994 2002 1976 not functional functional functional functional functional functional functional Afridev Afridev Afridev Afridev Climax Afridev Afridev mechanic borehole Mbang'ombe H/Centre 
 ✓
 Michawa.
 40
 174
 81
 93

 Mchepa.
 23
 175
 65
 110
 Mchepa

 ∴ Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.
 Matekwe Matunduluzi Matekwe Mchadza Mbuto 25 24 8 8 8 8 8 8 2 2 2 8 8 8 23 27 28 23 4 14 74 35 25 26 3 질 55 176 243 132 65 65 91 91 214 147 1220 38 8 8 4 14 4 Matunduluzi Mberenga..... Mchadza .... Matamula.... Matanga . . . . . . . . . . . . . Mbang'ombe. . . . . . . . . . Mchawa. Mawere.... Mbuto Mchambo (B) Michambo (B) Mazengera. Mbwemba Matekwe Mbano 7

7

CHITSIME St Gabriel Hospital

Luxembourg Gw

MASAF

2000 1998

not functional

functional

Afridev Malda

shallow well with hand pump

mechanic borehole

Mapiri Mapiri

Government

Government

1972

functional

Afridev

mechanic borehole

Masula

244 138

72 446 261

52 11

Masumba .....

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Masula 2. . . . . . . . . . . .

Marko Chingoma.

Masekeje.

17 45 37

4 2 3

Government

Government Inter Aide

Inter Aide

Inter Aide

## 2003 Water Ponit Mapping

\*: Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

2003 Water Ponit Mapping

	Services										Inter Aide		unknown		:	HEAD WORKS			Government	St Gabriel Hospital	St Gabriel Hospital	Government	unknown	Government			Government	unknown		•		unknown	unknown	ınknown			Scheme	Government	unknown	St Gabriel Hospital			unknown	unknown	unknown	unknown
	Funds										Inter Aide		EU IU			EU			Government C	Luxembourg Gvt S	Tuxembourg Gvt	/ernment		Government				Government L					scarp	EU				nent	MASAF	Luxembourg Gvt					MASAF	
	Const. Year										2003		2000			2001			1967	1994	1995	1988	2000	1998			1977	1971				1994	2000	2001			1992	1981	2001	1994			2001	2000	2000	2000
	Condition										functional		functional			functional			functional	not functional	functional	nal		not functional			onal	functional						functional			functional	not functional	functional	not functional			functional	functional		functional
	Pump Type										Afridev		Afridev			Afridev			Afridev	Maida	Malda	Malda	Afridev	Afridev			Afridev	Afridev				Afridev	Afridev	Afridev			Afridev	Climax	Afridev	Malda			Afridev	Afridev	Afridev	Afridev
	Water Source			,							shallow well with hand pump		mechanic borehole			mechanic borehole			mechanic borehole	shallow well with hand pump		shailow well with hand pump		mechanic borehole				mechanic borehole						mechanic borehole					mechanic borehole (4	shallow well with hand pump			mechanic borehole			
KALOLO TAVEA	Village									,	Mpama		Mphamba			Mphandula School			Mphunda	Mphunda	Mphunda	Mpingo	Mpingo	Mpingo			Msampha	Msangwa				Mseru	Mseru	Mseru			Msipu	Msokoneza	Msokoneza	Msomphoka			Msumba	Msundwe Church	Msundwe Mkt	Msundwe TC
	S	2	ıΩ	0	98	46	54	1   1	7					4			စ္ပ	6							63					14					25					114	143	L			26	4
	Females	302	135	8	O3	7	\$	111	122	128	9		145	7	"	7	8		12	9	101	3	11	18	9	_	16		77	394	.,	187				213	204			1,	17			1		22
	Males	296	151	79	82	22	30	32	96	129	69	13	127	782	47	40	8	27	118	40	111	81	90	152	47	1	150	11	283	373	24	187			23	202	180			121	140	65		139	23	622
	Total Population	298	286	159	180	101	84	206	218	257	138	59	272	546	84	82	40	99	247	105	212	169	205	342	110	21	315	20 (	529	167	56	374			. 48	415	384			235	283	133		274	49	1,196
	House- holds	149	82	38	43	23	11	51	48	65	33	6	49	113	20	18	8	17	20	28	51	32	50	80	29	7	73	4	108	171	10	80			10	94	90			20	57	34		49	11	260
KALOLO TA/EA	Village	Mngongonda	Mnjemu.	Mnjeza	Mnjeza	Mnkhonje	Mofolo	Moses	Moses	Mpakiza	Mpama	Mpama A	Mphamba	Mphandula (C)	Mphandula	Mphandula School	Mphezi	Mphoyo	Mphunda (B)	Mphunda	Mphunda	Mpingo	Mpingo	Mpingo	Mpondamwala	Msama	Msampha	Msangwa	Msangwa	Msangwa	Msangwa Estate	Mseru			Msichi	Msikoneza	Msipu			Msomphoka	Msongole	Msongole.		Msundwe	Msundwe	Msundwe
	Requested Villago			,	7																	>	>	7	>																					

2003 Water Ponit Mapping

ľ	MALOLO IMEM							-				
Requested Village*	Village	House- holds	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year		Services
i—						Msundwe TC	mechanic borehole	Afridev	functional	2000	MASAF	unknown
<del>,                                     </del>	Msunza	44	185	88	26	Msuza	mechanic borehole	Afridev	functional	1998	Government	Government
	Mtali	144	613	312	301	Mtali	mechanic borehole	Afridev	not functional	1972	unknown	Government
-	Mtali	34	164	86	. 78							
-	Mtali C	65	295	144	151							
-							mechanic borehole	Afridev	functional	1998	Government	Government
{						Mtanda School	shallow well with hand pump	Malda	not functional	1986	World Vision	World Vision
_	Mtapa	93	168	84	84	Mtapa	shallow well with hand pump	Afridev	not functional	6666	Inter Aide	Inter Aide
_	Mtema	15	72	Ж	37							
_	Mtema	48		96	96							
	Mtembe	56	124	<i>L</i> 9	25							
1	Mthyolo	33		62	74							
+	Mtika	119		240	252	Mtika	mechanic borehole	Afridev	functional	1968	Government	Government
_						Mtoliro	mechanic borehole	Climax	not functional	1971	Government	Government
•	Mtolonga.	51	236	104	132	Mtolonga	mechanic borehole	Afridev	not functional	1970	Government	Government
1	Mtondo	40	175	85	6					L	,	
-	Mtongola	42	188	92	96	Mtongola	mechanic borehole	Afridev	functional	2000	MASAF	unknown
-	Mtondola	22	101	52	49							
-	Mtoso	9	459	243	216	Mtoso	mechanic borehole	Afridev	not functional	1971	Government	Government
_	Mtukulo	13	75	සි	36			-		_		
_	Muelengana	31	128	61	. 67			_		_		
_						Mukunya	mechanic borehole	Afridev	functional	2002	MASAF	unknown
_						Mungongonda	mechanic borehole	Afridev	not functional	1111	Government	Government
_						Munjedza	mechanic borehole	Afridev	not functional	2001	(EU	unknown
						Munyatsa	mechanic borehole	Afridev	functional	2001	EU	unknown
						Mutembe	shallow well with hand pump	Malda	not functional	1988	World Vision	unknown
						Mutsekanjira	mechanic borehole	Afridev	functional	2001	EU	unknown
_	Muuzayani	52	230	66	131							
	Muyala	128	7	249	247	Muyala	mechanic borehole	Afridev	not functional	1974	Government	Government
	Muzonde (B)	14		43	40							
	Mvalenji Farm	19	88	33	49							
	Mwajuma	20	92	42	50	Mwajuma	mechanic borehole	Climax	not functional	1974	Government	Government
	Mwanga Estate	2		4	2							
_	Mwanza	42	205	103	102							
	Mwase	120		266	261	Mwase	shallow well with hand pump	Malda	not functional	1981	Government	Health Centre
$\overline{}$	Mwase	20		42	44	Mwase School	mechanic borehole	Afridev	functional	2001	EU	unknown
,	Mwase	69		126	141						-	
$\overline{}$	Mzindo	56		124	109							
_	Mzindo.	3		4	4							
						Mzobwe Church	mechanic borehole	Climax	not functional	1973	Government	Government
_							mechanic borehole	Afridev	functional	1999	EU	unknown
,						Mzobwe School	mechanic borehole	Afridev	not functional	1993	Religious_institutior Other	or Other
_	Mzokoto	33	145	71	74					_		
_	Mzombe	101	446	201	245							
_						Than a series	Importante herohole	A F		000		

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### 1998 CENSUS

## 2003 Water Ponit Mapping

	Condition Const. Funds Services	functional 1977 Government Government	ional 2003 Inter Aide Inter Aide	ional 2002 M. Parliement unknown	not functional (1992   Luxembourg Gvt   St Gabriel Hospit	functional 1111 Government unknown	not functional 1998 Randella unknown			itonal  1982  Government   unknown	not functional  1111  Government  unknown	functional 1998 unknown unknown	not functional 1982 Government Government	lional 2002 MASAF unknown					functional 1998 MASAF unknown	functional 1998 MASAF Government	functional 1998 MASAF Government	functional 1998 MASAF Government	not functional  1994  St Gabriel Hospital  St Gabriel Hospit	functional 1999 EU Sengo Africa		functional 2002 Inter Aide Inter Aide			not functional 1960 Government Government			functional [1995  Luxembourg Gvt  St Gabriel Hospit		not functional 1999 Government Water Boring	
	Pump C	Г	Afridev functional	Afridev functional	Climax Inot fi		Afridey not fi			Aquadev  functional	no pump   not fi	Afridev funct	Malda not fi	Afridev functional					Afridev fund	Afridev func	Afridev func	Afridev func	Malda not f	Afridev func		Afridev func			Climax not f			Afridev func		Malda not f	
	Water Source	shallow well with hand pump	rehabilitation of shallow well	mechanic borehole	mechanic borehole	mechanic borehole	mechanic borehole			mechanic borehole	mechanic borehole	mechanic borehole	shallow well with hand pump	mechanic borehole					mechanic borehole	mechanic borehole	mechanic borehole	mechanic borehole	shallow well with hand pump	mechanic borehole		shallow well with hand pump			mechanic borehole			shallow well with hand pump		shallow well with hand pump	
KALOLO TA/EA	Village	Mzungu	Nachiwombe	Namitete Market	Namitete School	Namitete Police station	Г			Namitondo	Namitondo	Namitondo	Nathando	Nathando					Ndebvu	Ndebvu	Ndebvu	Ndebvu	Ndebvu	Ndebvu School		Nene			Ngoma			Njoka		Nkhanda	
	Females	87	9	114	18	293	305	682	136	200	83	48	110		62	71	28	35	653	42	68	7.1			21	74	10	125		182	62	159	19		
	Males	75	က	135	26	311	323	712	108	233	86	8	117		82	88	25	43	618	47	105	88			25	99	9	110		199	89	147	23		:
	Total Population	162	6	249	44	604	628	1,394	244	433	181	117	227		161	159	117	78	1,271	68	194	139			46	138	16	235		381	120	908	42		
	House- holds	98	2	89	7	128	131	281	44	112	37	16	55		36	37	26	21	366	22	40	27			11	32	5	48		26	25	61	10		•
KALOLO TA/EA	Village	Mzungu	Nachiwombe	Namitete Estate	Namitete School	Namitete Tc (A)	Namitete Tc (B)	Namitete Tc (C)	Namitete Technical	Namitondo	Namitondo	Namitondo Forest	Nathando		Ndalama	Ndapata	Ndapata B	Ndavayani	Ndebvu (A)	Ndebvu B	Ndebvu	Ndebvu			Nefitali	Nene.	Nene	Ngobego		Njande	Njeresa	Njoka	Njolomole		
	Requested Village*	7																																	

el Hospital

Government

Government

1111

functional

Afridev

mechanic borehole

Nkwambala

44 131 67 20 20 20 20 200 200

61 133 133 133 148 168 168

105 264 142 38 38 615 152 368

13 8 22 8 E3

Nkhozomba . . . . . . . . . . .

Nkhwambala.....

Nkhwangwa...: Nkhwangwi....

Karaliya

回 2002

functional

Afridev

mechanic borehole

Nkhokota

unknown

1992 Government

Aquadev functional

mechanic borehole

el Hospital

.: Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

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## 2003 Water Ponit Mapping

		1998 CEINSUS	VSUS Total			KALOLO TA/EA		water Po	Zuus Water Ponit Mapping	- tsucc		
Requested Village	ted Village	holds	Population	Males	Females	Village	Water Source	Туре	Condition	$\overline{}$		Services
	Ntchentche	71	306	142	164	Ntchentche	mechanic borehole	Afridev	not functional	1999	Government	Government
7	Ntchisi	6	62	27	32					$\neg$		
	Nthondo (B)	180	805	339	406	Nthondo	mechanic borehole	Climax	not functional	$\neg$		Government
	Nthondo	4	14	9	88	Nthondo H/Centre	mechanic borehole	Climax	not functional	$\neg$	nent	Shire Construction
`	A 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1,7	150	070	0,70	Nthondo I C	mechanic porenole	Amdev	runctional	7007	MASAF	UNKNOWN
<u>&gt;</u>	Nyanda	26	454	240	240							
	Nyania To	3 68	195	92	103	Nvania ADMARC	mechanic borehole	Climax	functional	1	Government	Government
	Nyemba.	98	144	73	12	Nyemba	mechanic borehole	Afridev	functional	2001		unknown
						Nyemba	mechanic borehole	Afridev	not functional	1960	Government	Government
7	Nyozwe	29	323	150	173							
	Nyundo	5	19	10	<b>о</b>							
	Osten	24	119	6	28					П		
7		14	29	32	32	Palimtima	shallow well with hand pump	Malda	functional	1987	Luxembourg Gvt	St Gabriel Hospital
7	Palimtima	20	88	43	46							
	Pasankhwa B	14	260	131	129							
	Patsamphandu	38	155	8	75					$\neg$		
	Phale	37	152	69	83	Phale	mechanic borehole	Afridev	functional			Government
	Phewa	29	126	29	59	Phewa	windlass well	dund ou	not functional		Government	Government
	Phewa	53	221	122	66	Phewa	hand drilled borehole	Afridev	functional	2003	Inter Aide	Inter Aide
	Phula	15	29	36	31							
>	Phulamazira	96	385	184	201	Phulamazira	shallow well with hand pump	other	not functional		Government	Government
						Phulamazira	mechanic borehole	Climax	not functional	1970	Government	Government
	Richard	20	87	36	51							
	Sabvala	54	216	107	109	Sabvala	shallow well with hand pump	Malda	not functional	1996	Luxembourg Gvt	St Gabriel Hospital
	Samuti	5	. 26	13	13							
·	Sandikonda	53	277	147	130							
	Sani	89	311	150	161	Sani	mechanic borehole	Afridev	not functional	1993	Government	Government
>	Sankhulani	62	290	133	157							
	Santhe	148	685	337	348	Santhe	mechanic borehole	Afridev	functional	T		Government
						Santhe	mechanic borehole	Afridev	functional		nent	Government
						Santhe School	mechanic borehole	Afridev	functional			unknown
						Sckalanje	shallow well with hand pump	Afridev	functional	2002	Inter Aide	Inter Aide
	Sekeleni	31	176	91	82	-						
						Sendeza Estate	mechanic borehole	Climax	functional	19/3	Private	Government
7	T	32	175	66	9/					_		
	Shangula	15	29	38	29	Shangula	mechanic borehole	Afridev	not functional	1998	Government	Government
	Shumba.	10	43	21	22					_		
	Sichongo	21	94	52	ဗ္ဗ	Sichongo	shallow well with hand pump	dwnd ou	not functional	6666	Inter Aide	Infer Aide
	Sikanadze	9	151	7	80							
						Sikanawawe	shallow well with hand pump	Afridev	functional	1998	self_help	Self help
	Sikweya	37	163	98	77	-		:		_		
	4			]		Simoni	shallow well with hand pump	Malda	functional	1995	Luxempourg Gvt	St Gabriel Hospital
	Sinoya.	16	74	42	32							
	Sinoya	24 1	100	44	99							
	L.4	The second		11	The state of the s	falls of second a factor						

2003 Water Ponit Mapping

	KALOLO TA⁄EA	_				KALC	KALOLO TA/EA						
Requested Village	Village	House-	Total Population	Males	Females	Village	ω	Water Source	Pump Type	Condition	Const. Year	Funds	Services
7	Sinumbe	4	22	6	13	Sinumbe	1	mechanic borehole	Climax	not functional	1974	Government	Government
7	Sinumbe Tc	122	618	305	313	Sinumbe	>	windlass well	dund ou	not functional	1938	Government	Government
							1	rehabilitation of above well	Afridev	functional	2003	Inter Aide	Inter Aide
						Sinumbe School		mechanic borehole	Afridev	not functional	1999	EU	unknown
_						Sinumbe School		mechanic borehole	Afridev	not functional	1970	Government	Government
						Songole	7	windlass well	dund ou	no pump   not functional	1938	Government	Government
7	Sosola.	8	21	11	10								
7	Sosola	33	147	09	28								
	St Gabriels Hospital	47	575	174	401	St Gabriels Hospital		mechanic borehole	Afridev	functional	1111	unknown	St Gabriel Hospital
						Tambala	o,	shallow well with hand pump	Malda	not functional	1994	Red Cross	Health Centre
						Tchila	3)	shallow well with hand pump	dund ou	not functional	1994	Luxembourg Gvt	St Gabriel Hospital
	Tembo	7	98	20	16								
	Tongozala	118	564	258	306	Tongozala	-	mechanic borehole	Afridev	functional	1971	Government	Government
	Tsabango	32	142	75	29								
	Tsinkha	40	186	98	100								
	Tsinkha	8	67	14	15								
	Tsokole Estate	4	22	11	11								
	Tupe	10	07	17	23								
	William.	89	278	144	134	William	3	shallow well with hand pump	Malda	not functional	1989	World Vision	Chilembe Drilling Co
	William	30	153	92	22	William		mechanic borehole	Afridev	functional	1998	Private	unknown
	Wolotala	2	81	11	7								
	Wonga	30	152	19	23								
2	Yotamu	26	115	65	09								
	Yuda	8	32	19	16								
7	Zakalia	11	99	26	08								
_	Zambo	11	24	26	. 21								
						Zatheka	10	shallow well with hand pump	Malda	functional	1995	self_heip	Local artisans
	Zaya	9	56	16	10								
	Zikaonga B	4	19	9	13								
	Zikaonga	9	45	22	23					•			
	Zikaonga,	118	205	240	267								
	Zoipa	7	33	14	19								

\*: Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

		クロクスコン 9881	2002				FCCC	אמות די	zoos water ronnt mapping			
	KHONGONI TA/EA					KHONGONI TA/EA			•			
Requested Village*	Village	House- holds	Total Population	Males	Females		Village Water Source	Pump Type	Condition	Const. Year	Funds	Services
	***KHONGONI***	15,906	76,121	38,201	37,700	***KHONGONI***						
						Amoni	shallow well with hand pump	Malda	not functional	1996	World Vision	World Vision
Ţ	Benjamini	21	72	8	88	20,000	and different of	Malda	Jeneileanit	4000	Drocoam	in Vince
>						Bondo School	mechanic horehole	Afriday	functional		Government	Government
	Boss	4	2	CP	ac ac			A PARTIE A	Biografia			
	Buzimba (B)	2 100	172	8	8							
	Byundufi	200	137	29	78							
	Bzyalani	19	8	46	34							
	Chabvunga	94	450	223	227	Chabvunga	mechanic borehole	Afridev	not functional	1998	Government	Government
	Chadaka	13	52	27	28						•	
>	Chaipa	45	221	117	104	Chaipa	mechanic borehole	Climax	not functional	1974	World Vision	World Vision
>	Chalonda (A)	108	535	269	266	Chalonga (A)	mechanic borehole	Afridev	functional	1111	Government	Government
	Chambala (B)	16	. 77	36	41							
	Chambala	22	231	113	118							
	Champhula	14	11	41	36							
	Champhula	09	332	164	168							
	Champhula	16	106	54	52							
	Chandale	14	61	34	27							
	Chateka (B)	58	266	124	142	Chateka	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Chateka	46	182	96	86	Chateka	mechanic borehole	Afridev	not functional	1111	Government	Government
	Chazozoma	5	22	6	13	Chazozoma School	mechanic borehole	Afridev	not functional	1999	Religious institution unknown	unknow
	Chenjerani	11	36	17								
	Chibvina	81	411	211								
	Chibvina	35	198	92						_		
	Chibvina	161	798	406								
	Chibwazi.	36	179	88		Chibwazi	mechanic borehole	Afridev	functional	2002	MASAF	unknown
	Chichitike	15	06	21			:					
	Chidzodzi	13	52	28						_		
	Chifuka	16	71	44	27	Chifuka Shool	mechanic borehole	Afridev	functional	2002	Danida	unknown
7	Chigowo	43	208	116	92	Chigowo	mechanic borehole	Afridev	functional	200	MASAF	unknown
^	Chigowo	5	16	10	9							
	Chigumula	31		80	72			_				
	Chikafa	12		32	30							
	Chikako	92		148	145							
	Chikakula	44	253	134	119							
	Chikunkhulira	30	122	99	62	Chikunkhulira	mechanic borehole	Afridev	not functional	1998	Government	Government
Š						Chikweteza	mechanic borehole	Afridev	not functional	1971	Government	Government
	Chilaka	28	147	74	73	Chilaka	mechanic borehole	Afridev	functional	2000	unknown	unknown
	Chilaka	2	8	9	2							
	Chilamba	16		48	.31							
	Chilembwe	13		31	25	Chilembwe	windlass well	other	not functional	1111	unknown	unknown
				:	1	+::::::::						

Milage   House   Total   Males   Females   Milage   Water Source   Milage   Males   Population   Males   Males   Population   Males   Population   Males   Population   Males   M			1998 CENSUS	SUS				2003	Water Po	2003 Water Ponit Mapping			
Chilonea (A).         Total (A).         Males (A).         Fernales (A).         Chilonea (A).         Males (A).         Formales (A).         Total (A).         Properation (A).         Total (A).		KHONGONI TA/EA					KHONGONI TA/EA			•			
Chilotova (B)         128         708         355         358         Chilotova Dispensary         mechanic borehole         Climax           Chilotova (B)         113         520         256         254         Chilotova         Inchemic borehole         Climax           Chilotova (B)         11         520         256         258         Chilotova         Chilotova         Chilotova           Chilotova (B)         11         15	Request		ĮΞ	Total Population	Males	Females	Village	Water Source	Pump Type	Condition	Const. Year		Services
Chilowa (B)         178         758         358         Chilowa         mechanic borehole         Climax           Chilowa (B)         113         520         284         201         128         77         14							Chilobwe Dispensary	mechanic borehole	Climax	functional	2001	MASAF	unknown
Chilunus (B)         113         520         256         264         Chilova         mechanic borehole         Climox           Chilutus (B)         45         14         -7         7	2	Chilowa (A)	128	708	322	323	- 1	4					
Childrea         1         14 <t< td=""><td>2</td><td>Chilowa (B)</td><td>113</td><td>520</td><td>22<u>0</u></td><td>264</td><td>Chilowa</td><td>mechanic borehole</td><td>Climax</td><td>not functional</td><td>1111</td><td>Government</td><td>Government</td></t<>	2	Chilowa (B)	113	520	22 <u>0</u>	264	Chilowa	mechanic borehole	Climax	not functional	1111	Government	Government
Chimbwi (B)         31         157         78         79         Chimbwi (B)         mechanic bonehole         Afridev           Chimbwi (B)         Chimbwi (B)         mechanic bonehole         Afridev           Chimina (N)         52         120         121         119         Chimina (N)         Afridev           Chimina (N)         52         159         76         79         70         Afridev           Chimina (N)         66         32         15         71         156         Afridev           Chimina (N)         66         32         33         Afridev         Afridev           Chimina (N)         67         13         77         40         14         6           Chimina (N)         77         365         167         156         Afridev           Chimina (N)         77         40         17         41         6         Afridev           Chimina (N)         77         41         6         8         Afridev         Afridev           Chimina (N)         78         224         117         177         Afridev         Afridev           Ching anga         8         13         117         Afridev         Afridev	7	Chilowa	=	14	4	7							
Chimmba (B)         Chimmba (B)         Innechanic bonehole         Afriday           Chimmba (B)         76         349         157         167         Chimmba (A)         Innechanic bonehole         Afriday           Chimmba (B)         24         122         149         Chimmba (A)         Inchebration	>	Chilufu	31	157	<u>@</u>	79							
Chimthods School.         76         349         182         187         Chimimba (A)         mechanic borehole         Afridev           Chimminda (Ch.).         54         145         76         77         77         363         167         719         Afridev         Afridev           Chimminda (Ch.).         57         40         197         166         770         770         771         772         772         772         772         772         772         772         772         772         772         772         772         772         772         772         772         772         772         772 <td></td> <td>Chimbwi (B)</td> <td>. 45</td> <td>151</td> <td>29</td> <td>8</td> <td>Chimbwi (B)</td> <td>mechanic borehole</td> <td>Afridev</td> <td>functional</td> <td>1971</td> <td>Government</td> <td>Government</td>		Chimbwi (B)	. 45	151	29	8	Chimbwi (B)	mechanic borehole	Afridev	functional	1971	Government	Government
Chimintae (A),         54         240         121         119         Per Chimintae (A)         Chimintae (B)         240         157         76         77         78         77         78         77         78         77         78         77         78         77         78         78         77         78         78         78         77         78         77         78		Chimbwi School,	9/	349	182	167	Chimimba (A)	mechanic borehole	Afridev	not functional	1968	Government	Government
Chiminta (B)         32         155         76         78           Chiminta (C)         67         404         197         213         6           Chimonbo (A)         67         444         197         213         6           Chimonbo (A)         68         32         33         6         6           Chimopheso         8         14         16         8         6         6           Chimopheso         8         14         17         41         77         41         44         6           Chimopheso         6         52         261         126         177         41         77 <td></td> <td>Chimimba (A)</td> <td>54</td> <td>240</td> <td>121</td> <td>119</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Chimimba (A)	54	240	121	119							
Chimphep (C).         77         363         187         196           Chimorho (A).         68         404         131         213           Chimorho (A).         18         68         32         32           Chimorho (A).         18         68         32         13           Chimorho (A).         13         77         41         38         Chimorho (A).           Chimorho (A).         52         284         176         135         Chimorho (A).         41           Chindanga (B).         52         284         176         138         Chimorho (A).         41           Chindanga (B).         52         284         176         138         Chimorho (A).         41           Chindanga (B).         52         284         176         61         38         Chindanga (B).         Afridav           Chindanga (B).         52         284         176         188         188         189         Afridav           Chindanga (B).         52         284         176         189         Afridav         Afridav           Chindanga (B).         52         182         176         Chinthuta         Afridav           Chingane (B).		Chimimba (B)	. 32	155	76	79					_		
Chimphepo         404         191         213         Annebane         Annebane<		Chimimba (C)	77	363	167	196							
Chimoto         13         65         32         33           Chimiphepo         4         14         6         32         11           Chimiphepo         4         14         6         14         6           Chimiphepo         4         14         6         17         41         17           Chimiphepo         52         261         176         178         Chimiphepo         Afridev           Ching anga         20         284         46         38         Chindhuta         Afridev           Ching anga         20         284         46         38         Chinthuta         Afridev           Chinthuta         52         234         175         168         Chinthuta         Afridev           Chinthowa (A)         56         223         115         108         Afridev         Afridev           Chinthowa (A)         56         223         115         108         Afridev         Afridev           Chinthowa (A)         56         223         115         108         Afridev         Afridev           Chinthowa (A)         11         20         11.29         31         31         Afridev	7	Chimombo (A)	99	404	191	213					_		
Chiraphepo         8         28         11         17         A         6         8         Chiraphepo         A fridev         A fridev         Chiraphepo         A fridev         A fridev<		Chimoto	13	65	32	33							
Chimphepo         4         14         6         8         Chimphepo         Afridev           Chimpdelo         13         77         41         36         Chimpdelo         mechanic borehole         Afridev           Ching anga         52         224         117         117         Ching anga         mechanic borehole         Afridev           Ching anga         52         224         117         117         Ching anga         Meda         Afridev           Ching anga         56         223         115         64         Afridev         Afridev           Chindhuta         61         308         156         152         Chinthuta         windlass well         dlher           Chindhuta         70         142         67         75         Chinthuta         windlass well         dlher           Chintolo         71         318         31         38         Afridev         Afridev           Chipale Estate         209         1,129         589         540         Chipeni         mechanic borehole         Afridev           Chipale Estate         209         1,129         589         212         176         Chipeni         Afridev           Chipeni </td <td>7</td> <td>Chimphepo</td> <td>8</td> <td>28</td> <td>11</td> <td>17</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	7	Chimphepo	8	28	11	17							
Chimtolo         13         77         41         36         Chimtolo         mechanic borehole         Afridev           Ching anga (B)         52         261         176         177         17         <	7	Chimphepo	4	14	9	8					_		
Chinglanga (B).         52         261         126         136         Chinglanga         mechanic borehole         Afridev           Chinglanga.         52         234         117         117         Chinglanga         16         17         17         17         17         17         Chinglanga         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         13         18		Chimtolo	13	77	41	36	Chimtolo	mechanic borehole	Afridev	not functional	1998	unknown	CHITSIME
Ching angae         Ching angae         Incentation bording         Annow           Ching angae         52         234         17         17         64         38         16         15         17         64         18         18         17         64         18         18         17         64         18		China'ana (D)		780	100	120	China'anaa	mochanic horotolo	Afridox	frinctional	2000	Morld Minion	Morld Vinion
Ching anga.         20         24         416         38         46         38         46         38         46         38         46         38         46         38         71         64         38         71         64         38         71         64         75		China'anga (D)	32	102	117	21.7	Cilligatiga	illection boletione		tulctional	2002	A COLOR	NOUID VISION
Chinthowa (A)         36         135         71         50           Chinthowa (A)         36         123         715         109         chinthuta         windlass well         other           Chinthowa (A)         56         223         115         109         chinthuta         windlass well         other           Chinyama.         22         142         67         75         chinthuta         windlass well         other           Chinyama.         22         142         67         75         chipama         chipama         chipama           Chinyama.         22         142         67         75         chipama         chipama         chipama           Chinyama.         14         69         31         38         Chipama         chipama         chipama         chipama           Chipama.         15         82         44         38         Chipama		Ohioriani		100		- 00					_		
Chintrhova (A)         56         123         171         104           Chinthuta         56         123         171         108         Other           Chinthuta         61         308         156         152         Chinthuta         windlass well         other           Chinyama         22         142         67         75         Chinyama         other         other           Chinyama         70         318         181         137         Chipandevu         shallow well with hand pump         Malda           Chippeni         70         318         181         137         Chipeni         mechanic borehole         Afridav           Chiphwarya (A)         15         82         44         38         Chipeni         windlass well         Afridav           Chiphwarya (B)         75         386         212         176         Chipeni         windlass well         Afridav           Chiphwarya (B)         75         382         180         Chiputu         mechanic borehole         Afridav           Chiphwarya (B)         75         362         180         Chiputu         mechanic borehole         Afridav           Chilaya Estate         42         150		Ching anga	7 2	\$ 6	40	8 8					$\downarrow$		
Chinthuta         55         223         115         108         Chinthuta         windlass well         other           Chinthuta         41         240         124         116         Chinthuta         other         other           Chinyama         22         142         67         75         chinyama         other         other           Chinyama         14         69         31         38         137         chinyama         other         other           Chipandacu         70         318         148         53         Chipeni         shallow well with hard pump         Malda           Chipandacu         37         178         81         97         Chipeni         mechanic borehole         Afridav           Chipeni         37         178         81         97         Chipeni         other         other           Chipeni         37         178         43         Chipeni         other         other           Chiphwanya (A)         197         915         478         437         chipeni         other         other           Chipwhanya (B)         75         362         180         chipwhanya (B)         other         other         other		Chinthowa (A)	38	133	E ;	54							
Chindhuta         51         308         136         136         Chindhuta         Windlass well         Other           Chinyama         22         142         67         75         Chinyama         14         69         13         38         Chipane         Chinyama         14         69         13         38         Chipane		Chinthowa (A)	. 26	223	115	8 5		2			3		
Chintolo.         41         240         124         116         Problem (Chinyama)         Chinyama         Chiny	ŀ	Chinthuta	. 61	808	ဂ္ဂ	152	Chinthuta	windlass well	other	not functional	1111	Government	Government
Chinyana.         22         142         67         75           Chinyana.         14         69         31         38           Chinyana.         70         318         137         (Alpandevu         Shallow well with hand pump         Malda           Chipardevu.         15         82         44         38         Chipandevu         Shallow well with hand pump         Malda           Chipeni         37         178         81         97         Chipeni         Malda           Chipeni         67         388         212         176         Chipeni         Malda           Chipwarya (B)         75         362         182         Chiputu         Malda         Malda           Chipwarya (B)         75         362         182         180         Chiputu         Malda           Chister         42         172         93         134 <t< td=""><td></td><td>Chintolo</td><td>41</td><td>240</td><td>124</td><td>116</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		Chintolo	41	240	124	116							
Chinyama.         14         69         31         38           Chinyama.         70         318         181         137           Chipale Estate.         209         1,129         589         540         hipeni           Chipane Estate.         209         1,129         589         540         hipeni           Chipane Estate.         37         178         81         97         Chipeni         hinechanic borehole         Afridev           Chipeni.         37         178         81         97         Chipeni         hinechanic borehole         Afridev           Chiphwanya (A).         197         915         478         437         chiputu         mechanic borehole         Afridev           Chiphwanya (B).         75         362         182         20         chiputu         mechanic borehole         Afridev           Chipwafu         42         150         86         64         28         20         chiputu         mechanic borehole         Afridev           Chistya Estate.         42         172         93         79         Chithemba         mechanic borehole         Afridev           Chitingiru.         17         59         33         26		Chinyama	. 22	142	29	75							
Chinyama.         70         318         181         137           Chipale Estate.         209         1,129         589         540         Malda           Chipandevu.         37         178         84         38         Chipandevu         shallow well with hand pump         Malda           Chipandevu.         37         178         81         97         Chipeni         mechanic borehole         Afridev           Chiphwanya (A).         197         915         478         437         Chipeta         windlass well         other           Chiphwanya (B).         75         362         182         180         Chipeta         windlass well         other           Chiphwanya (B).         75         362         182         20         Chiputu         mechanic borehole         Afridev           Chipwafu.         14         48         28         20         Chiputu         mechanic borehole         Afridev           Chisumphi.         25         103         45         58         64         Chithemba         mechanic borehole         Afridev           Chittee.         49         233         26         Chithemba         mechanic borehole         Afridev           Chitikw		Chinyama	14	69	34	33							
Chipale Estate.         209         1,129         589         540         Aniale         Aniale         Aniale           Chipandevu.         15         82         44         38         Chipandevu         shallow well with hand pump         Malda           Chipandevu.         37         178         81         97         Chiperia         mechanic borehole         Afridev           Chiphwanya (A).         197         915         478         437         Chiputu         mechanic borehole         Afridev           Chiphwanya (B).         75         362         182         180         Chiputu         mechanic borehole         Afridev           Chiphwanya (B).         75         362         182         20         Chiputu         mechanic borehole         Afridev           Chipwafu.         48         28         20         Chiputu         mechanic borehole         Afridev           Chigte.         49         233         99         134         Chithernba         Afridev           Childete.         49         233         26         Chithernba         Afridev           Childer.         42         172         93         22         Agramana         Arridev           Chitikw		Chinyáma,	07	318	181	137							
Chipandevu.         15         82         44         38         Chipandevu         shallow well with hand pump         Malda           Chiperi.         37         178         81         97         Chipeni         mechanic borehole         Afridev           Chiphwarya (A).         67         388         212         176         Chiperi         Malda         Afridev           Chiphwarya (A).         197         915         478         437         Chiputu         Mindlass well         other           Chiphwarya (B).         75         362         182         180         Chiputu         Mechanic borehole         Afridev           Chipwafu.         14         48         28         20         Chiputu         Mechanic borehole         Afridev           Chisumphi         25         103         45         58         Chithemba         Mechanic borehole         Afridev           Chitete.         49         233         26         Chithemba         Mechanic borehole         Afridev           Chitindi.         17         59         33         26         Chithemba         Mechanic borehole         Afridev           Chitingu.         2         126         126         Afridev         A		Chipale Estate	209	1,129	589	540	-						
Chipeni         37         178         81         97         Chipeni mechanic borehole         Afridev           Chiphwanya (A).         67         388         212         176         Chipeta         windlass well         Other           Chiphwanya (A).         197         915         478         437         Chipeta         windlass well         Other           Chiphwanya (B).         75         362         182         180         Chiputa         Afridev           Chipwafu.         14         48         28         20         Chiputa         Afridev           Chitya Estate.         42         150         86         64         Chitthemba         Afridev           Chitroli.         17         59         33         26         Chitthemba         Afridev           Chitroli.         23         107         55         22         26         Chitthemba         Afridev           Chittikiwi.         24         252         126         22         2         2         2           Chituru.         25         2         2         2         2         2         2         2           Chiungu.         25         2         2		Chipandevu	. 13	82	44	38	Chipandevu	shallow well with hand pump	Maida	not functional	1997	Health Center	Health Centre
Chipeni         Ghipera         Vindlass well         Other           Chiphwanya (A)         197         915         478         437         Chipeta         windlass well         other           Chiphwanya (B)         75         362         182         180         Chiputu         mechanic borehole         Afridev           Chipwafu         25         103         45         58         64         Afridev           Chitarya Estate         42         150         86         64         mechanic borehole         Afridev           Chitete         42         172         93         79         Chithemba         mechanic borehole         Afridev           Chitridi         17         59         33         26         Chithemba         Afridev           Chitishu         23         107         55         52         Chithemba         Afridev           Chituru         24         25         126         25         2         2           Chituru         25         126         2         2         2         2           Chiunu         26         2         2         2         2         2           Chiunu         26         2	7	Chipeni	. 37	178	8	97	Chipení	mechanic borehole	Afridev	not functional	1998	Government	Government
Chiphwanya (A).         197         915         478         437         Chipeta         windlass well         other           Chiphwanya (B).         75         362         182         180         http         478	7	Chipeni	. 67	388	212	176							
Chiphwanya (A).         197         915         478         437           Chiphwanya (B).         75         362         182         180           Chipwafu.         14         48         28         20         Afridev           Chiswafu.         25         103         45         58         Afridev         Afridev           Childred.         49         233         99         134         Mechanic borehole         Afridev           Chithridi.         17         59         33         26         Afridev           Chitsiru.         23         107         55         52         Afridev           Chitukwi.         64         252         126         Afridev         Afridev           Chiungu.         2         2         2         2         2         Afridev           Chiungu.         2         2         2         2         2         2         2         2         2         2         2         2         2         2         3         4         3         4         3         4         3         4         3         4         4         4         4         4         4         4         4							Chipeta	windlass well	other	not functional	1111	Government	Government
Chiphwanya (B).         75         362         182         180         Mechanic borehole         Afridev           Chipwafu.         14         48         28         20         Chiputu         Mechanic borehole         Afridev           Chisumphi.         25         103         45         58         64         Mechanic borehole         Mechanic borehole         Chither           Chilide         49         233         99         134         Chither         Mechanic borehole         Afridev           Chithridi         23         107         59         32         26         Mechanic borehole         Afridev           Chithridi         23         107         55         52         Mechanic borehole         Afridev           Chitishu         23         107         55         26         Mechanic borehole         Afridev           Chiungu         2         2         2         2         2         2         2           Chiungu         2         2         2         2         2         2         2         2           Chiungu         4         29         36         43         43         43         43         43         44         44 <td></td> <td>Chiphwanya (A)</td> <td>197</td> <td>915</td> <td>478</td> <td>437</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Chiphwanya (A)	197	915	478	437							
Chipwafu.         14         48         28         20         Chiputu         mechanic borehole         Afridev           Chisumphi.         25         103         45         58         64<		Chiphwanya (B)	75	362	182	180							
Chilayafu.         14         48         28         20         Problem           Chilaya Estate.         25         103         45         58         64         Problem							Chiputu	mechanic borehole	Afridev	functional	2000	MASAF	unknown
Chitaya Estate.         25         103         45         58         64         70		Chipwafu	14	48	28	20							-
Chitaya Estate		Chisumphi	. 25	103	45	58							
Chitete         49         233         99         134         mechanic borehole         Afridev           Chitthemba         42         172         93         79         Chithemba         Afridev           Chittndi         17         59         33         26         Afridev         Afridev           Chitsiru         23         107         55         52         Afridev         Afridev           Chitungu         2         2         2         -         Afridev         Afridev           Chiungu         16         79         36         43		Chitaya Estate	. 42	150	98	64					_		
Chithemba         42         172         93         79         Chithemba         mechanic borehole         Afridev           Chitingu         23         10         55         52         64         25         126<		Chiftete	. 49	233	66	134							
Chitindi         17         59         33         26           Chitsiru         23         107         55         52           Chitungu         2         25         126         126           Chiungu         2         2         2         -           Chiungu         16         79         36         43	7	Chithemba	42	172	93	79		mechanic borehole	Afridev	functional	1970	Government	Government
107 55 1	,	Chitindi	17	59	33	26							
		Chitsiru	. 23	107	22	25							
16 79 36		Chitukwi	. 64	252	126	126							
16 79 36		Chiungu	. 2	2	2	•					_		
S S S S S S S S S S S S S S S S S S S		Chiungu	16	79	36	43							

## 2003 Water Ponit Mapping

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2003 Water Ponit Mapping

	KHONGONI I AVEA VIIIage Kalonga Kalumbizira Kaluza Kaluza (A)	House- holds	- Total Population		Females	KHONGONI I AVEA	I WEA Village Water Source	Pump Type	Condition	Const.	Funds	Services
	ira	<b>∓</b>	- Popul	ı	Females	Villag	e Water Source	Pump Type	Condition	Const. Year		Services
	umbizira aluza aluzi (A) nange	26			_	-						
	umbizira		140	70	70							
	umbizira					Kalumbi	mechanic borehole	Afridev	functional	2000	MASAF	unknown
X X	aluza (A)	37	*	104	06							
X Z	aluzi (A) nange	23	3 128	22	73							
Karr Kar Kar	nange	20		23	49	Kaluzi (A)	mechanic borehole	Afridev	functional	1970	Government	Government
Kar Kar		101		23	22	Kamange	mechanic borehole	Afridev	functional	1978	Government	Government
Kar Kar	Kamange	20		37	44							
Kar	Kambala	S		10	13			_				
16/3	Kambale	23		44	51							
5	Kambiya	25	114	54	09							
Xarr	Kambudzi	89		189	175	Kambudzi	mechanic borehole	Afridev	functional	1974	Government	Government
Kan	Kambuyana	109		274	271	Kambuyana	mechanic borehole	Climax	not functional	1974	Government	Government
Kan	Kambuyana	27	106	62	44	Kambuyana School	mechanic borehole	Afridev	functional	2002	MASAF	unknown
Xan	Kambuyana	72	316	152	164							
Kan	Kamkamba	8		10	7							
Xar	Kamtepa	22		22	43							
Kam	Kamzimbi (A)	7		23	19	Kamzimbi (A)	mechanic borehole	Climax	not functional	1111	Government	Government
Kam.	Kamzimbi (B)	. 64		133	155	Kamzimbi School	mechanic borehole	Afridev	not functional	1999	MASAF	unknown
Xar	Kangunje	21		26	51	Kangunje	mechanic borehole	Afridev	functional	1974	Government	Government
Kan	Kanjanja (A)	14	99 #	34	32							
V Kan	Kanjanja (C)	36		82	76					_		
<i>ን</i> ሜ	Kanjanja,	34		88	78					_		
Kan	Kanjedza (A)	1		48	22							
Kai	Kanjedza	88	3 233	124	60					_		
Ka	Kanjeza	. 2		ဖ	7							
χa	Kanjeza	12		53	56							
Kan	Kanjuluwende	. 22		43	68	Kanjuluwende	mechanic borehole	Climax	not functional	1970	Government	Government
Kan	Kankongo	3		7	O)							
Kar	Kansawa	80		188	188							
Kani	Kantheng'ende	30	) 154	71	83							-
Kan	Kanyangala	9		16	16			_				
V Ka	Kanzota	. 38		88	35							
Z Xa	Kaodzela	8	30	15	15	Kaodzela	mechanic borehole	Afridev	not functional	1972	Government	Government
Ka	Kaodzera	. 60		142	138							
Kap	Kapangalika (A)	69		187	193	Kapangalika	mechanic borehole	Afridev	not functional	1998	Government	Government
Kap	Kapangalika	. 21		73	47							
	Kapezi	. 57	7 268	125	143							
X	Kaphiri	. 88	4	229	235	Kaphiri	mechanic borehole	Afridev	not functional	1111	Government	Government
Α	Kaphiri	. 8	8 25	10	15							
						Kaphukira	mechanic borehole	Climax	not functional	1970	Government	Government
X	Kapichi	. 59	308	165	143				!			
Kapt	✓  Kapudzama 58   269   116   153   Kapudza	. 58	3 269	116	153	Kapudzama	mechanic borehole	Afridev	not functional	1970	Government	Government

\*: Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

# 2003 Water Ponit Mapping

		1998 CENSUS	NSCS					waler	zoos water Ponit mapping			
	KHONGONI TA/EA					KHONGONI TA/EA						
Requested Village	Village	-esnoH el	Total Population	Males	Females	Village	Village Water Source	Pump	Condition	Const. Year	Const. Funds Year	Services
			1			Kapudzama School	mechanic borehole	Afridev	functional	1995	unknown	unknown
						Kapudzama School	hand drilled borehole	Afridev	functional	1997	EU	World Vision
						Kapudzama School	mechanic borehole	Afridev	functional	2002	Danida	unknown
	Kapumphu	40	220	111	109							
	Kapumphu	. 23		72	28							
	Kapundu	98	468	248	220	•						
	Kapundu	. 12	64	33	22							
	Kapuzama (A)	94		255	210	!						
	Kasamila	35		69	78							
	Kasamila	20	165	84	81							
	Kasamu	. 58		138	147							
	Kasanda (A)	120		257	267	Kasanda	mechanic borehole	Afridev	not functional	1970	Government	Government
	Kasanda	. 27		22	45							
>	Kasitomu	23		29	63							
	Kasiva (A).	150		354	306	Kasiya	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Kasiya Trading Centre I	236	1,121	624	497	Kasiya	mechanic borehole	Afridev	functional	1999	MASAF	unknown
	Kasiva.	44		8	94	Kasiya	mechanic borehole	Climax	not functional	1984	Government	Government
	Kasiva.	285	_	999	089	Kasiya	mechanic borehole	Afridev	functional	1972	Government	Government
						Kasiya ADMARC	mechanic borehole	Climax	not functional	1973	Government	Government
						Kasiya Police	mechanic borehole	Afridev	functional	1963	Government	Government
						Kasiya School	mechanic borehole	Afridev	functional	1111	MASAF	unknown
						Kasiya School	mechanic borehole	Afridev	functional	1997	MASAF	unknown
	Kasoni	64	320	166	154							
	Kasonjola Estate	108		325	274							
	Katauta	-	1	-	-							
	Kataya	2	14	80	9							-
	Katenje (B)	32	158	78	80							
	Katenje	225		522	537							
	Katenthe	67	317	148	169							
	Katheng'ende	34	142	09	82							
						Katīyi	mechanic borehole	Afridev	functional	2000	MASAF	unknown
	Katutula	35		66	92							
>	Kawalika	. 79		207	198	Kawalika	mechanic borehole	Climax	not functional	1111	Government	Government
7	Kawalika	101	496	724	242							
						Kazingatchire	mechanic borehole	Afridev	not functional	2000	MASAF	unknown
	Kaziputa	35	154	8	74							
	Kazumba	20		139	141	Kazumba	mechanic borehole	Afridev	not functional	1111	Government	Government
	Kazumba	6	45	23	22	Kazumba School	mechanic borehole	Afridev	not functional	1111	Government	Government
	Kazumba	14		. 35	36							
						Khasu School	mechanic borehole	Afridev	functional	1111	Government	Government
1	Khongoni (A)	98	482	246	236	Khongoni	mechanic borehole	Afridev	not functional	1998	MASAF	unknown
7	Khongoni (B).	. 22	90	48	42	Khongoni H/Centre	mechanic borehole	Afridev	not functional	1111	Government	Government
*· Man	** Many village names in requeted 254 villages list are not shown in 1998 Census data show	4 254 villane	e liet are not s	nown in 1	OOS Census	s data shown above						

\*: Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

## KHONGONI TA/FA

2003 Water Ponit Mapping

			)						D			
	KHONGONI TA/EA	L				KHONGONI TA/EA	ď					
Requested Volage	Village	House-	Total Population	Males	Females	Villagi	Village Water Source	Pump Type	Condition	Const. Year	Funds	Services
7	Khongani	3	13	ນ	8	Khongoni H/Centre	mechanic borehole	Afridev	functional	1998	Government	Other
>	Khongoni	1	2	3	2							
>	Khongoni	20	81	37	44							
	Khunyungu	28	277	138	139						,	
						Kosamu	mechanic borehole	Afridev	functional	1111	Government	Government
						Kosamu	windlass well	other	not functional	1111	OTHER	Other
	Kwechelani	24	127	65	62							
	Lisoka	13	58	28	30							
	Lidp Unit 11.	10	63	32	28							
	Lombwa	115	503	252	251							
	Lubwe	14	65	33	32							
	Lumwila	31	159	81	78							
7	Mabutao	43	1961	95	101							
	Machilika	54	184	93	91					_		
7	Madzonga (B)	23	80	41	33	Madzonga	mechanic borehole	Afridev	functional	2000	MASAF	unknown
/	Madzonda (C)	62	223	113	110							
>	Madzonga	31	137	88	69							
	Maiida T.C.	41	180	96	84	Maiiga	mechanic borehole	Afridev	functional	1111	Government	Government
	Maiida	101	108	48	9	Maijoa School	mechanic borehole	Afridev	functional	1998	MASAF	Implemown
	Makhaza	202	5	47	48							
	Makhokwe	14	75	38	8							
7	Makowa.	74	331	161	120	Makowa	mechanic borehole	Afridev	not functional	1111	Government	Government
	Makumbi	5	25	13	12					<u> </u>		
	Makuta	16	81	38	45							
	Malamula	94	291	132	159							
	Malembo	25	243	128	115	Malembo	mechanic borehole	Afridev	not functional	1970	Government	Government
	Malembo	84	425	218	207	Malembo H/Centre	motorised standpipe	other	functional	2003	Netherlands Gvt	unknown
						Malembo School	mechanic borehole	Afridev	functional	2002	Germany Embassy	Germany Embassy Chilembe Drilling Co
						Malembo School	mechanic borehole	Afridev	functional	2002	Germany Embassy	Chilembe Drilling Co
				-		Malembo School	mechanic borehole	Afridev	not functional	1111	Government	Government Government
	Mandevu	30	119	19	28					_		
	_					Mandindi	mechanic borehole	Afridev	not functional	1998	Government	CHITSIME
	Manganansi	20	104	49	22							
7	Mangirira	54	280	140	140	Mangirira	mechanic borehole	Afridev	functional	2000	unknown	unknown
7	Mapondera	53	264	128	136				-			
	Masachi	53	244	121	123							
	Mashanga (B)	29	149	71	78							
	Mashanga	61	285	160	125							
	Matekwe (B)	72	321	158	163	(Matekwe (B)	mechanic borehole	Climax	not functional	1971	Government	Government
	Mawole	18	80	39	41					_		
	Mayani	21	106	54	25							
	Mayani	41	185	88	26							
* Man	· Many village names in required 254 villages list are not shown in 1998 Census data shown above	254 villages	ict are not st	our in 16	JUD Coner	ande minde chale						

\*. Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

	KHONGONI TA/EA	~				KHONGONI TA/EA						
Requested Village	Village	-asnoH =	Total Population	Males	Females	Village	Village Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Mayela	19	74	38	35							_
	Mazinga (A)	98	966	198	198	-						
	Mazinga	. 102	256	284	272		mechanic borehole	Afridev	not functional	1111	Government	Government
							mechanic borehole	Afridev	functional	2002	MASAF	unknown
>	Mbalame (A)	. 122	580	316	264	Mbalame ADMARC	mechanic borehole	Afridev	not functional	1111	Government	Government
۷	Mbalame	45	247	118	129							
^	Mbalame	45	193	92	101							
>	Mbalame Forest Res	4	20	10	10							
	Mbetayasamba	. 28	171	91	80	ıba	mechanic borehole	Afridev	not functional	1111	Government	Government
7	Mbewa (B)		403	207	196		mechanic borehole	Afridev	functional	1111	Government	Government
							mechanic borehole	Afridev	functional	2002	Germany Embassy	y Chilembe Dril, Co
						Mbvunguti	mechanic borehole	Climax	not functional	1968	Government	Government
	Mchenie	36	181	9	96							
	Mchenje	14	75	32	40							
						Mchonjo	mechanic borehole	Afridev	functional	2001	MASAF	unknown
	Mdinde	. 46	232	111	121			_				
						Mdzuma	mechanic borehole	Afridev	not functional	1998	unknown	CHITSIME
	Mende	. 18	80	33	47							
7				-		mula	mechanic borehole	Afridev	not functional	1972	Government	Government
7						Mitala	windlass well	other	not functional	1111	Government	Government
	Mikiyele (A)	41	185	88	87					-		
	Mikīyele	7	32	16	16					_		
	Mikolo	18	65	31	34					-		
	Misi	22	82	4	44							
	Mkangala	σ.	51	56	25							
	Mkangala	. 74	375	188	187		•					
	Mkutuwa	.  79	396	195	201		mechanic borehole	Afridev	not functional	1998	Government	Government
	Mkuwila (B)	102	440	215	225	Mkuwila (B)	mechanic borehole	Climax	not functional	1962	Government	Government
	Mkuwila I	. 17	81	33	42							
	Mkuwila Ii	41	188	98	102						-	
	Mkuwila li	13	69	31	38							
	Mkwekwete	.j 70j	324	181	143							
	Mkwenya	. 74	370	190	180							
	Mkweya (A)	le1  .	110	74	36							
	Mkweya	. 26	146	89	78							
7	Mlamba	. 46	215	107	108							
	M'mbulu	14	63	37	26					_		
	Mnjoka	13	89	40	28							
	Mnjonjo		72	32	37							
>	Monjo	14	65	28	37							
						Mpani	mechanic borehole	Afridev	not functional	1964	Government	Government
	, , , ,											

2003 Water Ponit Mapping

		1998 CENSUS	VSUS			1	!	7007	אמנכו ו כ	בסס ממנכו ו סווור ווומאלוויום			
	KHONGONI TA/EA					KHONGONI TA/EA	NI TAVEA						
Requested Valage	Village	e House-	Total Population	Males	Females		Village W	Village Water Source	Pump Type	Condition	Const. Year	Funds	Services
	Mphangula	1	8	ເນ	3								
	Mphenda	. 22	116	25	59			,					
	Mpondamwala (A)	. 55	262	132	130								
>	Msema	105	526	260	266	Msema	E	mechanic borehole	Climax	not functional	1972	Government	Government
						Msinde	Ħ	mechanic borehole	Climax	not functional	- 1	Government	Government
			-			Msinde	E	mechanic borehole	Afridev	functional	- 1	MASAF	unknown
					-	Msindo	m	mechanic borehole	Afridev	functional	1998	unknown	CHITSIME
	Mswati (B).	49	245	125	120						_		
	Mtabwalero.	. 32	167	83	84								
	Mtambwa	. 62	327	165	162								
						Mtande	п	mechanic borehole	Afridev	functional	2000	Proscarp	unknown
	Mtauka	110	694	349	345								
>	Mtavu (Mtabvu)	15	7.1	44	೫	Mtavu	m.	mechanic borehole	Afridev	functional	2000	EU	unknown
						Mtawuka	ш	mechanic borehole	Climax	not functional	1969	Government	Government
	Mtembe	4	166	8	77				_				
	Mthala	6	88	4	47						_		
>	Mthumba	42	191	94	97.								
2	Mthumba	33		6	6								
	Mtolongo,	9		15	13								
	Wtoso	24		40	09	Mtoso School		mechanic borehole	Afridev	functional	1992	Government	Government
	Mtoso	1	59	34	22						_		
L.			-			Mtsati	=	mechanic borehole	Afridev	not functional	1974	Government	Government
_	Mtsilo (A)	66		180	209	Mtsilo (A)		mechanic borehole	Climax	not functional	1974	Government	Government
	Mtsilo (B)	. 45	178	9/	102				_		_		
	Mtsindo (B)	. 52		103	113						_		
	Mtsindo	133		303	344	Mtsindo	<u> </u>	mechanic borehole	Afridev	not functional	1978	Government	Government
>	Mtswati	9		139	122								
	Mudi Estate			198	165								
	Mudi T.C.	18		46	25						_		
	Mulamba	. 26	125	89	22						_		
7	Mwadzimbi	83		197	195								
	Mwakuluka	12		43	43								
7	Mwanda	51		121	122								
	Mwankhundi (B)	. 58		158	146						_		
	Mwankhundi	96		207	214					-			
7	Mwase	92	!	218	232		_						
	Mzoka	23	106	48	58		_				_		
L.	Mzuza	51	222	121	106						_		
	Nabuzi	42		102	83								
2	Nafelanji	31	132	52	11	Nafelanji	น	mechanic borehole	Afridev	functional	1998	MASAF	unknown
	Namphite	69	205	66	106								
	Ndalama (B)	49		141	132								
* 8.4	3	A OEA Willage	a lint and not o	3	1000 Conc.	o data choung about	,						

\* Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

KHONGONI TA/EA

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Health Centre Government Government Government Government Government Government Government CHITSIME unknown unknown Religious\_institution unknown Services Health Center Government Government Government Government Government Government Government unknown MASAF Const. Funds Year 2000 1976 1998 1970 1996 1970 2000 1990 1969 1961 1963 1111 1974 not functional not functional not functional functional not functional functional Condition Aquadev Afridev Afridev Climax Afridev Afridev Afridev Afridev Climax Afridev Climax Afridev Malda Pump Type shallow well with hand pump mechanic borehole Village Water Source Sendwe School Ng ombe Agric Njakwa School Nkhunyungu Nthondo (A) Salamba Nyanga Nyanda Pabwe Salima Sakali Sakali 354 55 <u>8 5 8 8</u> 68 13 67 11 31 114 169 26 210 Females Males 105 178 22 22 22 22 273 15 149 149 114 114 105 66 56 83 75 488 45 88 88 214 161 106 100 742 219 364 364 55 55 431 Total 388 153 27 213 121 121 122 123 Population 157 16 125 68 24 44 62 27 9 8 4 148 श्चित्र 4 <u>8 8 4</u> House-Village KHONGONI TA/EA Nyanga..... Sendwe..... Panthungo .... Salamba Sambani ..... Salima. . . . . . . . . . . . . Salamba ..... Ngombengo . . . . . . . . Ndaya (A) .... Salima, .... Njakwa. Nkhwangwi (B) Nkhwangwi (C) Pute..... Nkhwangwi (A) Nyama .... Nyanda. . . . Pabwe... Ng'omakalira Nthondo (A) Nthondo (B) Nthondo (C) Nyanja (A) Ndaya (B) Salamba Sapulayi Pikeni. Salamba Ngalize Njakwa. Pabwe Sakali Nowa. Requested Village 7 7

: Many village names in requeted 254 villages list are not shown in 1998 Census data shown above.

34

Simoni. . . . . . . . . . . .

Silombe

Sisipenzi

Government

Government

1974

not functional

Climax

mechanic borehole

Silombe

120 180 101 50

Sewera.....

Seze...

Shawa.

88

Sewera

unknown

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			_	_	,	_	_	_	_		_			-			_	_	_	_	_	_			_	_
		Services		Government	Government			-		-		Government						World Vision	Government	unknown	Government	unknown				
		Funds		Government	Government							Government						World Vision	Government	Proscarp	Government	MASAF				
		Const. Funds			1111							1111	•					1987	1964		1971	1998				_
Buildham and Lorent Cont		Condition	- 1	not functional	not functional							not functional						not functional	not functional	functional	functional	functional				
			Type	Climax	Afridev							Climax						Afridev	Afridev	Malda	Afridev	Afridev				
. 007		Village Water Source		mechanic borehole	mechanic borehole							mechanic borehole						mechanic borehole	mechanic borehole	shallow well with hand pump	mechanic borehole	mechanic borehole				
	KHONGONI TA/EA	Village		Stambo	Therere							Tonde						Zenga	Vizimba	Vunguti	Waya	Waya School				
	:	Females		104	157	8	34	269	25	36	34	128	81	19	43	81	122				333		. 82	100	149	
200		Males		114	166	12	38	241	54	20	32	124	66	34	46	99	112	-			293		78	. 113	160	i
	٠	Total	Population	218	323	20	72	510	106	26	99	252	180	53	68	147	234				929		160	213	309	
		House-	holds	43	64	3	19	110	23	6	. 12	49	33	12	24	33	42				131		33	56	63	
	KHONGONI TA/EA	Village		Sitambo	Therere (A)	Therere	Therere	Thumba (B)	Thumba (B)	Timoteo	Timoteo	Tonde (B)	Tonde	Tonde	Tumeyo	Tummeyo	Unit 42				Waya.		Yohane	Zenga	Zokoto (A)	
		Requested	Vilage.												7						>				>	•

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 Zokoto (B).
 22
 106
 50
 56

 \*\* Many village names in requefed 254 villages list are not shown in 1998 Census data shown above.