

## Appendices

### Appendix A Pretest Survey

#### Ghana Household Survey: Sustained Use of the Kosim Filter

Hello, my name is Kate Clopeck, and I am student from MIT in the United States. We are conducting a household survey about the KOSIM filter you purchased from Pure Home Water. We would like to talk with a woman of the household for about 30 minutes. Participation is voluntary; you may decline to answer any or all of the questions, and you may end the questionnaire early if you wish. All information will be kept confidential. Do you understand? Will you be willing to participate?

Yes	
No	(If no, thank and close)

Identification code: \_\_\_\_ and GPS Setting \_\_\_\_\_

Date of interview: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Interviewer: \_\_\_\_\_

Name of person interviewed: \_\_\_\_\_  
**Last Name**      **First Name(s)**

Age and gender of respondent: \_\_\_\_\_

Household status: \_\_\_\_\_

#### Filter Use

1. Can you show me the water you use for drinking?

OBSERVE:

- a. How high is the filter from the ground?
- b. Is the ceramic filter installed in the unit?
- c. Do they use water from the bottom of the Kosim unit?
- d. Is the filter covered with a lid?
- e. Is there water in the bottom unit?

2. From where do you collect water?

3. Is the water dirty from that source?

4. How did you first hear about this kind of filter?
5. Is your filter working?
6. When did you purchase your filter? (check this with PHW records)
7. Did you receive any training papers when you bought your filter?
  - a. If yes, can you please show me these materials?
8. From whom did you purchase the filter?
9. Did the sales person come to your house and show you how to use filter?
10. Can you act out for me how you use the filter?

OBSERVE

- a. Clean the filter first?
  - b. Filter with cloth filter first?
  - c. Use Alum?
  - d. Let water settle?
11. How many people use the filter every day?
12. How many adults? How many children?
13. Who collects the water to be filtered?
14. Do you ever drink unfiltered water?
  - a. If yes, why?
15. Can you show me the water that you use for cooking?
  - a. Where does this water come from?
  - b. Do you filter this water?

OBSERVE:

- c. Does the water appear turbid?
  - d. Showed cloth filter? (if applicable)
  - e. Is the water being stored in a covered container?
16. Can you show me the water that you use for cleaning the dishes?

- a. Do you filter this water?

OBSERVE:

- b. Does the water appear turbid?
- c. Showed cloth filter? (if applicable)
- d. Is the water being stored in a covered container?

17. Can you show me the water that you use for washing your hands?

- a. Do you filter this water

OBSERVE:

- b. Does the water appear turbid?
- c. Showed cloth filter? (if applicable)
- d. Is the water being stored in a covered container?

18. How often do you filter water (days/week)?

19. Is it hard work?

- a. If yes, why?

20. *Do you ever buy water?(DO NOT ASK IN RURAL)*

- a. *If yes, from whom?*
- b. *Can you show me some of the water you have bought?*

### **Filter Maintenance**

21. When was the last time you cleaned the filter and the storage unit?

22. Did the sales person come to your house and show you how to clean the filter?

- a. Did this person provide you with a brush to clean the filter?

OBSERVE

- a. Saw brush?

23. Can you act out for me how you clean the filter?

OBSERVE:

- a. Did they only touch the top lip of the filter?

- b. Do they place the filter on a cloth that has been washed in chlorinated or bleached water?
- c. Did they place the filter on the lid of the unit?
- d. Did they place the filter in a clean basin?
- e. Do they fill the filter halfway with filtered water?
- f. Do they use the provided brush?
- g. Do they only brush the inside of the unit?
- h. Did they clean the storage unit?
- i. Did they use soap and filtered water to clean the storage unit?
- j. Did they use filtered water to clean the storage unit? Cloth filter?
- k. Did they use pipe water to clean the storage unit?
- l. Did they disinfect the storage unit after cleaning?
- m. Did they disinfect the spigot?

#### **Perception**

- 26. Do you like the taste of filtered water?
- 27. What does it taste like?
- 28. Is the filter easy to use?
- 29. What do you like about the look of the filter?
- 30. Have you had any problems with the filter breaking?
  - a. If yes, can you show me what the problem is/was?
- 31. Before you got the filter, did you treat the water at all?
  - a. If so, how?
  - b. Can you show me?
  - c. Did that work?
- 32. When was the last time someone in your house had diarrhea?
  - a. how old was this person?

Thank you

## Appendix B Pre-test Survey Data

Household Number	202	203	204	205	206
Village	Kochim				
Age	30	50	20	20	20
Gender	F	M	F	F	F
Household Status	Volunteer's wife	Landlord	Landlord's son's wife	Landlord's son's wife	apprentice at tailor
1	y	y	y	y	y
OBSERVE					
How high from ground?	8"	8"	2.5"	6"	6"
Filter installed in unit?	x	x	x top on wrong		x
Water in the bottom?	x	x	x	x	x
Lid on the top?	x	x	x	x	x
Water in filter?	x	x	x		x
Sustained Use?	y	y	y	n	y
2					
dugout?	x	x	x	x	x
community tap?	x	x	x	x	x
3					
yes?		D x	D x		
no?	x	P x	P x	D x P x	D x P x
4					
presentation?					

Household Number	202	203	204	205	206
community liason?	x	x	x	x	x
5					
yes?	x	x	x	x	x
no?					
6	1 year	1 year	1 year	1 year	1 year
7					
yes?	x	x	x	x	x
no?					
a					
yes?		x			
no?	x		x	x	x
8					
community liason?	x	x	x	x	x
Peter?					
Shak?					
9					
yes?	x	x	x	x	x
no?					
10	n/a bad	n/a bad	n/a bad	n/a bad	n/a bad
clean?	question	question	question	question	question
filter first with cloth?	from	from	from	from	from
alum?	Peter	Peter	Peter	Peter	Peter
let water settle?					
11	5	2	2	6	6
12					
adults?	3	1	2	3	3
children?	2	1	0	3	3
13					another woman
wife?	x		x	x	
children?		x			
14					
yes?			x		
no?	x	x		x	x
a					
hunting?					
travel?			x		
farm?					
15					
yes?	x	x	x	x	x
no?					
a					
tap?		x		x	x
dugout?	x		x		

Household Number	202	203	204	205	206
<b>b</b>					
<b>yes?</b>	x		x	x	x
<b>cloth filter?</b>	x		x	x	x
<b>no?</b>		x			
<b>OBSERVE</b>					
<b>turbid?</b>	x		x		
<b>covered container?</b>				x	
<b>saw cloth filter?</b>	x		x	x	x
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>					
<b>cloth filter?</b>					
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x		x		
<b>covered container?</b>				x	
<b>saw cloth filter?</b>	x		x	x	x
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x		x	x	x
<b>cloth filter?</b>	x		x	x	x
<b>no?</b>		x			
<b>OBSERVE</b>					
<b>turbid?</b>	x		x		
<b>covered container?</b>				x	
<b>saw cloth filter?</b>	x		x	x	x
<b>18</b>	2.33x/w	1.4x/w	1.75x/w	3x/w	3x/w
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	3 days ago	4 days ago	3 days ago	3 days ago	3 days ago
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	202	203	204	205	206
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>saw brush?</b>		x	x		x
<b>23</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>touch only top lip?</b>			x		
<b>place filter on clean cloth?</b>					
<b>place filter on lid?</b>	x		x	x	x
<b>place filter on ground?</b>					
<b>place filter on clean bowl?</b>					
<b>use filtered water for filter?</b>	x	x	x	use pipe	x
<b>use brush?</b>	x	x	x	x	x
<b>brush only the inside?</b>	x	x	x	x	x
<b>clean storage unit?</b>	x	x	x	x	x
<b>use soap and sponge?</b>	x	x	x	x	x
<b>showed soap and sponge?</b>	x	x	x	x	x
<b>use filtered water to clean ss?</b>	x		x		x
<b>cloth filter?</b>	x		x		x
<b>use pipe water to clean ss?</b>		x		x	
<b>disinfect storage?</b>					
<b>disinfect tap?</b>					



Household Number	202	203	204	205	206
24	x	x	x	x	x
yes?					
no?					
25				cool	
clay water?		x			
Pure Water sachet water?	x		x		x
pipe water?					
clean water?					
26					
yes?	x	x	x	x	x
no?					
27	lots of water	good			
whole model?		drinking	x	x	x
storage and filter in one?	x	water	always in room	looks like no holes but still filters	x
tap?					
lid?					
clean water?					
health?					
28					
yes?					
no?	x	x	x	x	x
a					
tap?					
storage unit?					
29					
yes?	x	x	x	x	x
no?					
a					
cloth filter?	x	x	x	x	x
alum					
boil?					
b					
yes?	x	x	x	x	x
no?					
c					
yes?		x	x	x	x
no?					but Kosim better
30					
yes?	x		x		

no?	last month	x	has now	x	last two weeks
a	baby		10 mos old		20-30 years old

Household Number	207	208	209	210	211
Village					
Age	20	28	24	40	25
Gender	F	M	F	M	F
Household Status	Landlord's wife	Landlord's grandson	Landlord father's wife	Landlord	Landlord son's wife
1	y	yes	yes	yes	yes
OBSERVE					
How high from ground?	1'	10"	1'	1'6"	6"
Filter installed in unit?	x	x	x	x	
Water in the bottom?	x	x	x	x	x
Lid on the top?	x	x	x	x	x
Water in filter?	x	x	x	x	
Sustained Use?	y	y	y	y	n
2					
dugout?	x	x	x	x	
community tap?	x	x	x	x	x
3					
yes?					x
no?	D x P x	D x P x	D x P x	D x P x	
4					
presentation?					

Household Number	207	208	209	210	211
community liason?	x	x	x	x	x
5					
yes?	x	x	x	x	x
no?					
6	1 year	1 year	1 year	1 year	1 year
7					
yes?	x	x	x	x	x
no?					
a					
yes?	x		x	x	x
no?		x			
8					
community liason?	x	x	x	x	x
Peter?					
Shak?					
9					
yes?	x	x	x	x	x
no?					
10	n/a bad	n/a bad	n/a bad	n/a bad	n/a bad
clean?	question	question	question	question	question
filter first with cloth?	from	from	from	from	from
alum?	Peter	Peter	Peter	Peter	Peter
let water settle?					
11	9	7	2	12	6
12					
adults?	3	4	2	7	3
children?	6	3	0	5	3
13		mother			
wife?	x		x	x	x
children?					
14					
yes?		x			
no?	x		x	x	x
a					
hunting?		x			
travel?					
farm?					
15					
yes?	x	x	x	x	x
no?					
a					
tap?	x	x	x		x
dugout?				x	

Household Number	207	208	209	210	211
<b>b</b>					
<b>yes?</b>			x	x	x
<b>cloth filter?</b>	x		x	x	x
<b>no?</b>		x			
<b>OBSERVE</b>					
<b>turbid?</b>				x	
<b>covered container?</b>		x		x	x
<b>saw cloth filter?</b>			x	x	x
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>				x	x
<b>cloth filter?</b>				x	x
<b>no?</b>		x	x		
<b>OBSERVE</b>					
<b>turbid?</b>				x	
<b>covered container?</b>				x	
<b>saw cloth filter?</b>				x	x
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>				x	x
<b>cloth filter?</b>	x			x	x
<b>no?</b>		x	x		
<b>OBSERVE</b>					
<b>turbid?</b>				x	
<b>covered container?</b>				x	
<b>saw cloth filter?</b>				x	x
<b>18</b>	3/w	1x/w	3x/w	3x/w	4x/w
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	yesterday	yesterday	3 days ago	3 days ago	3 days ago
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	207	208	209	210	211
a					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x	x	x
23					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
touch only top lip?		x			
place filter on clean cloth?					
place filter on lid?	x	x	x	x	x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	use pipe	x	x	pipe	x
use brush?	x	x	x	x	x
brush only the inside?	x	x	x		
clean storage unit?		x	x	x	x
use soap and sponge?				x	x
showed soap and sponge?				x	x
use filtered water to clean ss?			x	x	x
cloth filter?				x	x
use pipe water to clean ss?		x			
disinfect storage?					
disinfect tap?					

Household Number	207	208	209	210	211
24	x				
yes?		x	x	x	x
no?					
25		bore hole		cool	different
clay water?					from other
Pure Water sachet water?					water
pipe water?	x				
clean water?			x		
26					
yes?	x	x	x	x	x
no?					
27	filters				
whole model?	good water				
storage and filter in one?			x		
tap?		x		x	x
lid?					
clean water?					
health?					
28					
yes?	x				
no?		x	x	x	x
a					
tap?	x				
storage unit?					
29					
yes?	x	x	x	x	x
no?					
a					
cloth filter?	x	x	x	x	x
alum					
boil?					
b					
yes?	x	x	x	x	x
no?					
c					
yes?	x	x	x		
no?				x	
30					
yes?		x			

no?	1.5 yrs ago	last year	x	x	x
a	Landlord	2 years			

Household Number	212	213	214	302	303
Village				Klariga	
Age	30	50	50	50	30
Gender	F	M	M	M	F
Household Status	Landlord's wife	Landlord	Landloard	Chairman	Landlord son's wife
1	yes	yes	yes	yes	yes
OBSERVE					
How high from ground?	1'	10"		3'	1'
Filter installed in unit?	x	x	x	x	x
Water in the bottom?	x	x	x	x	x
Lid on the top?	x	x	x	x	x
Water in filter?		x	x	x	x
Sustained Use?	y	y	y	y	y
2					
dugout?			x	x	x
community tap?	x	x	x		
3					
yes?		D x	D x P x	x	x
no?	x	P x			
4				town	huband
presentatio n?					

Household Number	212	213	214	302	303
community liason?	x	x	x		
5					
yes?	x	x	x	x	x
no?					
6	1 year	1 year	1 year	1 year 4 mos	1 year
7					
yes?	x	x	x	x	x
no?					
a					
yes?	x	x	x		x
no?				x	
8				Ali	Ali
community liason?	x	x	x		
Peter?					
Shak?					
9					
yes?	x	x	x	x	x
no?					
10	n/a bad				
clean?	question		n/a bad	n/a bad	n/a bad
filter first with cloth?	from		question	question	question
alum?	Peter		from	from	from
let water settle?			Peter	Peter	Peter
11	10	6	10	22	7
12					
adults?	5	2	5	15	4
children?	5	4	5	7	3
13				women	
wife?	x	x	x		x
children?					
14					
yes?					
no?	x	x	x	x	x
a					
hunting?					
travel?					
farm?					
15					
yes?	x	x	x	x	x
no?					
a					
tap?	x	x	x		
dugout?			x	x	x



Household Number	212	213	214	302	303
<b>b</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>		x	x	x	x
<b>no?</b>	x				
<b>OBSERVE</b>					
<b>turbid?</b>				x	x
<b>covered container?</b>	x	x			
<b>saw cloth filter?</b>		x	x	x	x
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>			x	x	x
<b>no?</b>	x	x			
<b>OBSERVE</b>					
<b>turbid?</b>				x	x
<b>covered container?</b>	x	x			
<b>saw cloth filter?</b>		x	x	x	x
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>		x	x	x	x
<b>no?</b>	x				
<b>OBSERVE</b>					
<b>turbid?</b>				x	x
<b>covered container?</b>	x	x			
<b>saw cloth filter?</b>		x	x	x	x
<b>18</b>	2x/3	3x/w	2x/w	continuously	4x/w
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	3 days ago	yesterday	1 week ago	3 days ago	3 days ago
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	212	213	214	302	303
a					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x		x
23					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
touch only top lip?					
place filter on clean cloth?					
place filter on lid?		x	x	x	x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x	x	x	x	x
use brush?	x	x	x	x	x
brush only the inside?	x	x	x	x	x
clean storage unit?	x	x	x	x	x
use soap and sponge?	x	x	x	x	x
showed soap and sponge?		x	x	x	x
use filtered water to clean ss?		x	x		x
cloth filter?		Kosim			x
use pipe water to clean ss?	x				
disinfect storage?					
disinfect tap?					

Household Number	212	213	214	302	303
<b>24</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>25</b>	special	ice block			
<b>clay water?</b>	water		x		
<b>Pure Water sachet water?</b>				x	x
<b>pipe water?</b>					
<b>clean water?</b>					
<b>26</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>27</b>					
<b>whole model?</b>	x	x	x	x	
<b>storage and filter in one?</b>					
<b>tap?</b>					
<b>lid?</b>					
<b>clean water?</b>					x
<b>health?</b>					
<b>28</b>					
<b>yes?</b>			x		
<b>no?</b>	x	x		x	x
<b>a</b>					
<b>tap?</b>			x		
<b>storage unit?</b>					
<b>29</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x	x	x		x
<b>alum</b>				x	
<b>boil?</b>					
<b>b</b>					
<b>yes?</b>	x	x	x		x
<b>no?</b>					
<b>c</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>30</b>					
<b>yes?</b>		x	x	x	x

<b>no?</b>	x	2 years ago			
<b>a</b>		adult			

Household Number		304	305	306	307
Village					
Age		20	50	25	30
Gender		F	F	F	F
Household Status		Landlord's daughter	Landlord's wife	Landlord's wife	Landlord's wife
1		yes	yes	yes	yes
OBSERVE					
How high from ground?		1'	6"	2'	1'
Filter installed in unit?		x	x	x	x
Water in the bottom?		x	x	x	x
Lid on the top?		x	x	x	x
Water in filter?		x	x	x	x
Sustained Use?		y	y	y	y
2					
dugout?		x	x	x	x
community tap?			x		x
3					
yes?		x	D x		D x
no?			P x	x	P x
4		father			
presentation?			x	x	x

Household Number		304	305	306	307
community liason?					
5					
yes?		x	x	x	x
no?					
6		1 year	1 year	1 year	1 year
7					
yes?		x	x	x	x
no?					
a					
yes?			x	x	
no?		x			x
8		Ali	Ali	Ali	Ali
community liason?					
Peter?					
Shak?					
9					
yes?		x	x	x	x
no?					
10					
clean?		n/a bad	n/a bad		
filter first with cloth?		question	question	x	x
alum?		from	from		
let water settle?		Peter	Peter		
11		7	9	10	10
12					
adults?		2	2	6	4
children?		5	7	4	6
13					
wife?		x	x	x	x
children?					
14					
yes?		x			
no?			x	x	x
a		if filter is not			
hunting?		ready			
travel?					
farm?					
15					
yes?		x	x	x	x
no?					
a					
tap?		x			
dugout?			x	x	x

Household Number		304	305	306	307
<b>b</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>		x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>			x	x	x
<b>covered container?</b>		x			
<b>saw cloth filter?</b>		x	x	x	x
<b>16</b>					
<b>yes?</b>		x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>		x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>			x	x	x
<b>covered container?</b>		x			
<b>saw cloth filter?</b>		x	x	x	x
<b>17</b>					
<b>yes?</b>		x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>		x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>			x	x	x
<b>covered container?</b>		x			
<b>saw cloth filter?</b>		x	x	x	x
<b>18</b>		4x/w	3x/w	4x/w	4x/w
<b>19</b>					
<b>yes?</b>					
<b>no?</b>		x	x	x	x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>		4 days ago	3 days ago	3 days ago	3 days ago
<b>22</b>					
<b>yes</b>		x	x	x	x
<b>no?</b>					

Household Number		304	305	306	307
a					
yes?		x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?		x	x	x	x
23					
yes?		x	x	x	x
no?					
<b>OBSERVE</b>					
touch only top lip?					
place filter on clean cloth?					
place filter on lid?		x	x	x	x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?		x	x	x	x
use brush?		x	x	x	x
brush only the inside?		x	x	x	x
clean storage unit?		x	x	x	x
use soap and sponge?		x	x	x	x
showed soap and sponge?		x	x	x	x
use filtered water to clean ss?		x		x	x
cloth filter?		x		x	x
use pipe water to clean ss?			x		
disinfect storage?					
disinfect tap?					

Household Number		304	305	306	307
24					
yes?		x	x	x	x
no?					
25					
clay water?					
Pure Water sachet water?				x	
pipe water?		x	x		x
clean water?					
26					
yes?		x	x	x	x
no?					
27					looks nice
whole model?		x			
storage and filter in one?			x		
tap?				x	
lid?					
clean water?					
health?					
28					
yes?		x			
no?			x	x	x
a		lid			
tap?					
storage unit?					
29					
yes?		x	x	x	x
no?					
a					
cloth filter?		x	x	x	x
alum			x		
boil?					
b					
yes?		x	x	x	x
no?					
c					
yes?		x	x	x	x
no?					
30				yesterday	
yes?		x	x		x

no?					1 wk ago
a				15	2 yrs old



Household Number	308	309	401	402	403
Village			Sanga		
Age	50	15	30	25	18
Gender	F	F	M	M	M
Household Status	Landlord's wife	Landlord's daughter	Son of chief	Landloard's son	Landlord's son
1	yes	yes	yes	yes	yes
OBSERVE					
How high from ground?	2'	6"	1' 6"	2'	6"
Filter installed in unit?	x	x	x	x	x
Water in the bottom?	x	x	x	x	x
Lid on the top?	x	x	x	x	x
Water in filter?	x		x	x	
Sustained Use?	y	y	y	y	y
2					
dugout?	x	x	x	x	x
community tap?		x			
3					
yes?		D x	x	x	x
no?	x	P x			
4					
presentatio n?	x	x	x	x	x

Household Number	308	309	401	402	403
community liason?			x	x	x
5					
yes?	x	x	x	x	x
no?					
6	1 year	1 year	7mos	7mos	7mos
7					
yes?	x	x	x	x	
no?					x
a					
yes?	x				
no?		x	x	x	
8	Ali	Ali			
community liason?			x	x	x
Peter?					
Shak?					
9					
yes?	x	x	x	x	x
no?					
10		boil			
clean?			x		x
filter first with cloth?	x	x	x	x	
alum?					
let water settle?					
11	6	20	12	15	5
12					
adults?	2	7	5	4	2
children?	4	13	7	11	3
13				sisters	sisters
wife?	x		x		
children?		x			
14					
yes?					
no?	x	x	x	x	x
a					
hunting?					
travel?					
farm?					
15					
yes?	x	x	x	x	x
no?					
a					
tap?		x			
dugout?	x		x	x	x

Household Number	308	309	401	402	403
<b>b</b>					
<b>yes?</b>	x		x	x	x
<b>cloth filter?</b>	x		x	x	x
<b>no?</b>		x			
<b>OBSERVE</b>					
<b>turbid?</b>	x		x	x	x
<b>covered container?</b>		x			
<b>saw cloth filter?</b>	x		x	x	x
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x		x	x	x
<b>cloth filter?</b>	x		x	x	x
<b>no?</b>		x			
<b>OBSERVE</b>					
<b>turbid?</b>	x		x	x	x
<b>covered container?</b>		x			
<b>saw cloth filter?</b>	x		x	x	x
<b>17</b>					
<b>yes?</b>	x		x	x	x
<b>no?</b>		x			
<b>a</b>					
<b>yes?</b>	x		x	x	x
<b>cloth filter?</b>	x		x	x	x
<b>no?</b>		x			
<b>OBSERVE</b>					
<b>turbid?</b>	x		x	x	x
<b>covered container?</b>		x			
<b>saw cloth filter?</b>	x		x	x	x
<b>18</b>	2x/w	2x/w	2x/w	2x/w	3x/w
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	3 days ago	yesterday	3 days ago	4 days ago	3 days ago
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	308	309	401	402	403
a					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x	x	x
23					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
touch only top lip?					
place filter on clean cloth?					
place filter on lid?	x	x	x	x	x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x	x	x	x	x
use brush?	x	x	x	x	x
brush only the inside?	x	x	x		x
clean storage unit?	x	x	x	x	x
use soap and sponge?	x	x	x		x
showed soap and sponge?	x	x	x	x	x
use filtered water to clean ss?	x	x	x	x	x
cloth filter?	x		x	x	x
use pipe water to clean ss?		x			
disinfect storage?					
disinfect tap?					

Household Number	308	309	401	402	403
<b>24</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>25</b>					
<b>clay water?</b>					
<b>Pure Water sachet water?</b>	x	x		x	
<b>pipe water?</b>			x		x
<b>clean water?</b>				x	
<b>26</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>27</b>	way it fitlers				
<b>whole model?</b>			x		
<b>storage and filter in one?</b>					
<b>tap?</b>			x	x	
<b>lid?</b>					
<b>clean water?</b>					x
<b>health?</b>		x			
<b>28</b>					
<b>yes?</b>				x	x
<b>no?</b>	x	x	x		
<b>a</b>					
<b>tap?</b>				x	x
<b>storage unit?</b>					
<b>29</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x	x	x	x	x
<b>alum</b>					
<b>boil?</b>					
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>c</b>					
<b>yes?</b>	x		x	x	x
<b>no?</b>		x			
<b>30</b>					
<b>yes?</b>	x			x	x

<b>no?</b>	2 mos ago	x	x	last year	3 yrs ago
<b>a</b>	50 yrs old			adul	adult

Household Number	404	405	406	407	408
Village					
Age	39	35	26	30	50
Gender	M	M	F	F	F
Household Status	Landlord's son	Landlord's son	Landlord's wife	Volunteer's wife	Landlord's wife
1	yes	yes	yes	yes	yes
OBSERVE					
How high from ground?	3'	2'	2'	1'	1'
Filter installed in unit?	x	x	x	x	x
Water in the bottom?	x	x	x	x	x
Lid on the top?	x	x	x	x	x
Water in filter?	x	x	x	x	x
Sustained Use?	y	y	y	y	y
2					
dugout?	x	x	x	x	x
community tap?					
3					
yes?	x	x	x		
no?				x	x
4					
presentation?					

Household Number	404	405	406	407	408
community liason?	x	x	x	x	x
5					
yes?	x	x	x	x	x
no?					
6	7mos	7mos	7mos	7mos	7 mos
7					
yes?	x	x	x	x	x
no?					
a					
yes?				x	
no?	x	x	x		x
8					
community liason?	x	x	x	x	x
Peter?					
Shak?					
9					
yes?	x	x	x	x	x
no?					
10					
clean?					
filter first with cloth?	x	x	x	x	x
alum?					
let water settle?					
11	5	7	8	6	12
12					
adults?	2	4	2	2	7
children?	3	3	6	4	4
13		he does			
wife?	x		x	x	x
children?					
14					
yes?					
no?	x	x	x	x	x
a					
hunting?					
travel?					
farm?					
15					
yes?	x	x	x	x	x
no?					
a					
tap?					x
dugout?	x	x	x	x	x

Household Number	404	405	406	407	408
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>					
<b>saw cloth filter?</b>	x	x	x	x	x
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>					
<b>saw cloth filter?</b>	x	x	x	x	x
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>					
<b>saw cloth filter?</b>	x	x	x	x	x
<b>18</b>	continously	3x/w	2x/w	3x/w	2x/w
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	yesterday	today	3 days ago	2 days ago	today
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					



Household Number	404	405	406	407	408
a					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x	x	x
23					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
touch only top lip?					
place filter on clean cloth?					
place filter on lid?	x	x	x	x	x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x	x	x	x	x
use brush?	x	x	x	x	x
brush only the inside?			x	x	
clean storage unit?	x	x	x	x	x
use soap and sponge?		x	x	x	x
showed soap and sponge?		x	x	x	x
use filtered water to clean ss?	x	x	x	x	x
cloth filter?	x	x	x	x	x
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					

Household Number	404	405	406	407	408
<b>24</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>25</b>		rain		different	
<b>clay water?</b>				from	
<b>Pure Water sachet water?</b>				dugout	
<b>pipe water?</b>	x		x		x
<b>clean water?</b>					
<b>26</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>27</b>			keeps water		
<b>whole model?</b>	x		cool		
<b>storage and filter in one?</b>					
<b>tap?</b>					x
<b>lid?</b>					
<b>clean water?</b>				x	
<b>health?</b>		x			
<b>28</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	x
<b>a</b>					
<b>tap?</b>					
<b>storage unit?</b>					
<b>29</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x	x	x	x	x
<b>alum</b>					
<b>boil?</b>					
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>c</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>30</b>					
<b>yes?</b>	x		x		x

<b>no?</b>	1 yr ago	x	4 mos sgo	x	2 mos ago
<b>a</b>	adult		4 yrs old		adutl

Household Number	409	401	411	412	501
Village					Tonjinga
Age	25	40	50	32	35
Gender	F	M	M	M	M
Household Status	Landlord's wife	Landlord	Landlord	Landlord's son	Community Liason
1	yes	yes	yes	yes	yes
<b>OBSERVE</b>					
How high from ground?	1'	3'	1' 6"	1'	3'
Filter installed in unit?	x	x	x	x	x
Water in the bottom?	x	x	x	x	x
Lid on the top?	x	x	x	x	x
Water in filter?	x	x	x	x	N
Sustained Use?	y	y	y	y	y
2					Well
dugout?	x	x	x	x	
community tap?					
3					
yes?				x	
no?	x	x	x		x
4		Peter's			
presentation?		village	x	x	x

Household Number	409	401	411	412	501
community liason?	x				
5		x	x	x	
yes?	x				x
no?					
6	7 mos	7 mos	7 mos	7 mos	2 mos
7					
yes?	x			x	x
no?		x	x		
a					
yes?	x				x
no?				x	
8					
community liason?	x	x	x	x	
Peter?					x
Shak?					
9					
yes?	x	x	x	x	x
no?					
10		boils first		boils first	
clean?					
filter first with cloth?	x		x		x
alum?					
let water settle?					
11	10	10	12	8	20
12					
adults?	5	3	6	2	4
children?	5	7	6	6	16
13				sister	
wife?	x	x	x		x
children?					
14					
yes?					
no?	x	x	x	x	x
a					
hunting?					
travel?					
farm?					
15		x	x	x	
yes?	x				x
no?					
a					well
tap?					
dugout?	x	x	x	x	

Household Number	409	401	411	412	501
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	~
<b>covered container?</b>				x	N
<b>saw cloth filter?</b>	x	x	x	x	x
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>				x	N
<b>saw cloth filter?</b>	x	x	x	x	x
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>				x	N
<b>saw cloth filter?</b>	x	x	x	x	x
<b>18</b>	2x/w	3x/w	4x/w	3x/w	3x/wk
<b>19</b>					
<b>yes?</b>		x	x	x	
<b>no?</b>	x				x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	yesterday	3 days ago	3 days ago	3 days ago	
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	409	401	411	412	501
a					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x	x	x
23					
yes?	x	x	x	x	
no?					
<b>OBSERVE</b>					
touch only top lip?					
place filter on clean cloth?					x
place filter on lid?		x	x		x
place filter on ground?					
place filter on clean bowl?	x			x	
use filtered water for filter?	x	x	x	x	x
use brush?	x	x	x	x	x
brush only the inside?	x	x	x	x	
clean storage unit?	x	x	x	x	x
use soap and sponge?	x	x	x	x	x
showed soap and sponge?	x	x	x	x	N
use filtered water to clean ss?	x	x	x	x	
cloth filter?	x	x	x	x	
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					

Household Number	409	401	411	412	501
<b>24</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>25</b>	different		health	gives	
<b>clay water?</b>	from			strength	
<b>Pure Water sachet water?</b>	alum			different	
<b>pipe water?</b>		x		than	x
<b>clean water?</b>				dugout	
<b>26</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>27</b>		water is			way it filter
<b>whole model?</b>	x	always in		x	x
<b>storage and filter in one?</b>		the room	x		
<b>tap?</b>					
<b>lid?</b>					
<b>clean water?</b>					
<b>health?</b>			x		
<b>28</b>					
<b>yes?</b>				x	x
<b>no?</b>	x	x	x		
<b>a</b>					
<b>tap?</b>				x	
<b>storage unit?</b>					
<b>29</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x	x	x	x	x
<b>alum</b>					
<b>boil?</b>				x	
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>c</b>					
<b>yes?</b>	x	x		x	
<b>no?</b>			x		x
<b>30</b>					
<b>yes?</b>	x			x	

<b>no?</b>	3 mos ago	x	x	last wk	x
<b>a</b>	3 yr old			adult	

Household Number	502	503	504	505	506
Village					
Age	35	35	25		40
Gender	M	M	F	M	M
Household Status	Landlord's Son	Landlord's Son	Landlord's Wife	Chief	Landlord's Son
1	yes	yes	yes	no	yes
OBSERVE				does not use	
How high from ground?	1'6"	1'6"	1'	filter	1'
Filter installed in unit?	x	x	x		x
Water in the bottom?	x		x		x
Lid on the top?	x	x	x		x
Water in filter?	x		x		x
Sustained Use?	y	n	y	n	y
2	Well	Well	Well		
dugout?					
community tap?					x
3					
yes?					x
no?	x	x	x		
4					
presentation?					



Household Number	502	503	504	505	506
community liason?	x	x	x		x
5					
yes?	x		x		x
no?		x			
6	2 mos	2 mos	2 mos		7 mos
7					
yes?		x	x		x
no?	x				
a					
yes?					
no?		x	x		x
8					
community liason?	x	x	x		x
Peter?					
Shak?					
9					
yes?	x	x	x		x
no?					
10					
clean?					
filter first with cloth?	x	x	x		x
alum?					
let water settle?					
11	>27	2	9		30
12					
adults?	14	2	5		10
children?	13	0	4		20
13					
wife?	x	x	x		x
children?					
14					
yes?					
no?	x	x	x		x
a					
hunting?					
travel?					
farm?					
15					
yes?	x	x	x		x
no?					
a	well	well	well		well
tap?					
dugout?					

Household Number	502	503	504	505	506
<b>b</b>					
<b>yes?</b>	x	x	x		x
<b>cloth filter?</b>	x	x	x		x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	~	~	N		x
<b>covered container?</b>		N	N		N
<b>saw cloth filter?</b>	x	x	N		x
<b>16</b>					
<b>yes?</b>	x	x	x		x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x		x
<b>cloth filter?</b>	x	x	x		x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	N		x
<b>covered container?</b>		N	N		
<b>saw cloth filter?</b>	x	x	N		x
<b>17</b>					
<b>yes?</b>	x	x	x		x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x		x
<b>cloth filter?</b>	x	x	x		x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	N		x
<b>covered container?</b>		N	N		
<b>saw cloth filter?</b>	x	x	N		x
<b>18</b>	continous	1x/wk	3x/wk		2x/wk
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x		x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	yesterday	last wk	3 days ago		4 days ago
<b>22</b>					
<b>yes</b>	x	x	x		x
<b>no?</b>					

Household Number	502	503	504	505	506
a					
yes?	x	x	x		x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x		x
23					
yes?					
no?		x			
<b>OBSERVE</b>		wife does			
touch only top lip?		the cleaning			
place filter on clean cloth?		she is not	x		
place filter on lid?	x	home	x		x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x		x		x
use brush?	x		x		x
brush only the inside?	x		x		
clean storage unit?	x		x		x
use soap and sponge?	x		x		x
showed soap and sponge?	x		x		x
use filtered water to clean ss?	x		x		x
cloth filter?	x		x		x
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					

Household Number	502	503	504	505	506
24					
yes?	x	x	x		x
no?					
25					
clay water?		x			
Pure Water sachet water?	x				
pipe water?			x		x
clean water?					
26					
yes?	x	x	x		x
no?					
27		fits inside			
whole model?	x	x the room	x		
storage and filter in one?					
tap?					x
lid?					
clean water?					
health?					
28		filter not			
yes?	x	working	x		x
no?		right now			
a					
tap?					
storage unit?		x			
29					
yes?	x	x	x		x
no?					
a					
cloth filter?	x	x	x		x
alum					
boil?					
b					
yes?	x	x			x
no?			x		
c					
yes?	x	x	x		x
no?					
30					
yes?					x

no?	x	x	x		2 mos ago
a					3 years old

Household Number	507	508	509	510	511
Village					
Age	40	38	40	38	30
Gender	M	M	M	M	M
Household Status	Landlord's son	Landlord's son	Landlord's brother	Landlord's son	Landlord's son
<b>1</b>					
<b>OBSERVE</b>	yes	yes	yes	yes	yes
<b>How high from ground?</b>	3"	2"	1'	1'6"	1'6"
<b>Filter installed in unit?</b>	x	x	x	x	x
<b>Water in the bottom?</b>	x	N	x	x	x
<b>Lid on the top?</b>	x	x	x	x	x
<b>Water in filter?</b>	x	x	x	x	x
<b>Sustained Use?</b>	y	n	y	y	y
<b>2</b>					
<b>dugout?</b>	x	x	x	x	x
<b>community tap?</b>					
<b>3</b>					
<b>yes?</b>			x		
<b>no?</b>	x	x		x	x
<b>4</b>			bought as		
<b>presentation?</b>			group		

Household Number	507	508	509	510	511
community liason?	x	x	x	x	x
5					
yes?	x	x	x	x	x
no?					
6	7 mos	7 mos	7 mos	6 mos	6 mos
7					
yes?	x	x			x
no?			x	x	(photocopy-torn)
a					
yes?					
no?	x	x			x
8					
community liason?	x	x	x	x	x
Peter?					
Shak?					
9					
yes?	x	x	x	x	x
no?					
10					
clean?					
filter first with cloth?	x	x	x	x	x
alum?					
let water settle?					
11	7	10	6	6	6
12					
adults?	4	5	3	1	3
children?	3	5	3	5	3
13				women	
wife?	x	x	x		x
children?					
14					
yes?					
no?	x	x has ginuea	x	x has ginuea	x
a		worm straw		worm straw	
hunting?					
travel?					
farm?					
15					
yes?	x	x	x	x	x
no?					
a					
tap?					
dugout?	x	x	x	x	x

Household Number	507	508	509	510	511
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>	N	N	N	N	N
<b>saw cloth filter?</b>	x	x	x	x	N
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>	N	N	N	N	N
<b>saw cloth filter?</b>	x	x	x	x	N
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x	x	x	x
<b>covered container?</b>	N	N	N	N	N
<b>saw cloth filter?</b>	x	x	x	x	N
<b>18</b>	2x/wk	3x/wk	3x/wk	3x/wk	3x/wk
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	x
<b>a</b>					
<b>takes a lot of time?</b>	3 days ago	today	4 days ago	3 days ago	3 days ago
<b>21</b>					
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	507	508	509	510	511
a					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x	x	x
23					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>	places on	places on			places on
touch only top lip?	stool	clean table			clean table
place filter on clean cloth?					
place filter on lid?					
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x	x	x	x	x
use brush?	x	x	x	x	x
brush only the inside?	x	x	x	x	x
clean storage unit?	x	x	x	x	x
use soap and sponge?	x	x	x	x	x
showed soap and sponge?	x	x	x	x	x
use filtered water to clean ss?	x	x	x	x	x
cloth filter?	x	x	x	x	x
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					



Household Number	507	508	509	510	511
24					
yes?	x	x	x	x	x
no?					
25	bore hole				
clay water?	water				
Pure Water sachet water?		x			
pipe water?		x	x	x	x
clean water?					
26					
yes?	x	x	x	x	x
no?					
27		always in		that its	
whole model?		room		easy	
storage and filter in one?					
tap?	x		x	x	x
lid?					
clean water?					
health?					
28					
yes?			x		
no?	x	x		x	x
a					
tap?			x		
storage unit?					
29					
yes?	x	x	x	x	x
no?					
a					
cloth filter?	x	x	x	x	x
alum					
boil?					
b					
yes?	x	x	x	x	x
no?					
c					
yes?	x	x	x	x	x
no?					
30					
yes?			x	x	

no?	x	x	6 mos ago	same as	x
a			2 adults	previous house	

Household Number	512	601	602	603	604
Village		Gbalam-Shaq village			
Age	40	25	got sick and	40	30
Gender	M	M	destroyed	F	F
Household Status	Landlord's son	Landlord's son	it ("he was crazy" and sterile)	Landlord's wife	Landlord's wife
1		yes		yes	yes
OBSERVE	yes				
How high from ground?	1'	2'		1'	1'
Filter installed in unit?	x	x		x	x
Water in the bottom?	x	x		x	x
Lid on the top?	x	x		x	x (a little)
Water in filter?	x	N		N	x
Sustained Use?	y	y	n	y	y
2					
dugout?	x	x		x	x
community tap?					
3					
yes?		x			
no?	x			x	x
4					
presentation?					

Household Number	512	601	602	603	604
community liason?	x	x		x	x
5					
yes?	x			x	x
no?		x (too slow)			
6	6 mos	last year		last year	1 year ago
7					
yes?	x	x		x	x
no?					
a					
yes?		x		x	
no?	x				x
8					
community liason?	x	x		x	x
Peter?					
Shak?					
9					
yes?	x	x		x	x
no?					
10					
clean?					
filter first with cloth?	x	x		x	x
alum?					
let water settle?					
11	6	10		10	12
12					
adults?	2	5		5	4
children?	4	5		5	8
13					
wife?	x	x		x	
children?					x
14		**Reworded today- "do you ever drink water that is not fr			
yes?					
no?	x	x		x	x
a					
hunting?					
travel?					
farm?					
15					
yes?	x	x		x	x
no?					
a					
tap?					
dugout?	x	x		x	x

Household Number	512	601	602	603	604
<b>b</b>					
<b>yes?</b>	x	x		x	x
<b>cloth filter?</b>	x	x		x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x		x	x
<b>covered container?</b>	N	x		N	x
<b>saw cloth filter?</b>	x	x		x	x
<b>16</b>					
<b>yes?</b>	x	x		x	x
<b>no?</b>		x		x	x
<b>a</b>					
<b>yes?</b>	x	x		x	x
<b>cloth filter?</b>	x	x		x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x		x	x
<b>covered container?</b>	N	x		N	x
<b>saw cloth filter?</b>	x	x		x	x
<b>17</b>					
<b>yes?</b>	x	x		x	x
<b>no?</b>		x		x	x
<b>a</b>					
<b>yes?</b>	x	x		x	x
<b>cloth filter?</b>	x	x		x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	x		x	x
<b>covered container?</b>		x		N	x
<b>saw cloth filter?</b>	x	x		x	x
<b>18</b>	2x/wk	1x/wk		2x/wk	2x/wk
<b>19</b>					
<b>yes?</b>		x			
<b>no?</b>	x			x	x
<b>a</b>					
<b>takes a lot of time?</b>	yesterday	x			
<b>21</b>		3 days ago		yesterday	yesterday
<b>22</b>					
<b>yes</b>	x	x		x	x
<b>no?</b>					

Household Number	512	601	602	603	604
a					
yes?	x	x			x
no?				x	
<b>OBSERVE</b>					
saw brush?	x	x		N	N
23					
yes?	x	x		x	x
no?					
<b>OBSERVE</b>	places on	**Today stopped asking about water used			
touch only top lip?	clean table				places on
place filter on clean cloth?					table
place filter on lid?					
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x			x	x
use brush?	x	x		N use hard	x
brush only the inside?	x	N		x sponge	x
clean storage unit?	x	x		x	x
use soap and sponge?	x	x		x	x
showed soap and sponge?	x	SPx SO N		x	x
use filtered water to clean ss?	x				
cloth filter?	x				
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					

Household Number	512	601	602	603	604
<b>24</b>					
<b>yes?</b>	x	x		x	x
<b>no?</b>					
<b>25</b>					
<b>clay water?</b>					
<b>Pure Water sachet water?</b>	x				
<b>pipe water?</b>		x		x	x
<b>clean water?</b>					
<b>26</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>27</b>	easy to				
<b>whole model?</b>	handle	x			x
<b>storage and filter in one?</b>					
<b>tap?</b>				x	
<b>lid?</b>					
<b>clean water?</b>					
<b>health?</b>					
<b>28</b>					
<b>yes?</b>		x			
<b>no?</b>	x			x	x
<b>a</b>		filter is too			
<b>tap?</b>		slow			
<b>storage unit?</b>					
<b>29</b>					
<b>yes?</b>	x	x		x	x
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x	x		x	x
<b>alum</b>					
<b>boil?</b>					
<b>b</b>					
<b>yes?</b>	x	x		x	x
<b>no?</b>					
<b>c</b>					
<b>yes?</b>	x	x			x
<b>no?</b>				x	
<b>30</b>					
<b>yes?</b>	x	x			

<b>no?</b>	3 mos ago	last week		x	x
<b>a</b>	adult	19 years old			

Household Number	605	606	607	608	609
Village					
Age	60	30	25	25	20
Gender	F	F	M	F	M
Household Status	Landlord's mother	Landlord's wife	Landlord's son	Landlord's wife	Landlord's son
1	yes	yes	yes	yes	yes
OBSERVE					
How high from ground?	1'		1'6"	1'6"	1'
Filter installed in unit?	x	x	x	x	x
Water in the bottom?	x	x	x	x	x
Lid on the top?	x	x	x	x	x
Water in filter?	x	N	x	x	x
Sustained Use?	y	y	y	y	y
2					
dugout?	x	x	x	x	x
community tap?					
3					
yes?				x	
no?	x	x	x		x
4					
presentation?					

Household Number	605	606	607	608	609
community liason?	x	x	x	x	x
5					
yes?	x	x	x	x	x
no?					
6	1 year ago	1 year ago	1 year	1 year	9 mos
7					
yes?	x	x	x	x	x
no?					
a					
yes?	x	x			
no?			x	x	x
8					
community liason?	x	x	x	x	x
Peter?					
Shak?					
9			x	x	x
yes?	x	x			
no?					
10					
clean?					
filter first with cloth?	x	x	x	x	x
alum?					
let water settle?					
11	8	10	10	7	12
12					
adults?	3	3	4	3	5
children?	5	7	6	4	7
13	daughter in law		he does		mother
wife?		x		x	
children?					
14					
yes?	x		x		x
no?		x		x	
a					
hunting?					
travel?	x		x		x
farm?					
15					
yes?	x	x	x	x	x
no?					
a					
tap?					
dugout?	x	x	x	x	x



Household Number	605	606	607	608	609
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	~	x	~	x
<b>covered container?</b>	N	x	N	N	x
<b>saw cloth filter?</b>	x	x	x	x	N
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>	x	x			
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	~	x	~	x
<b>covered container?</b>	N	x	N	N	x
<b>saw cloth filter?</b>	x	x	x	x	N
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>	x	x			
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x	~	x	~	x
<b>covered container?</b>	N	x	N	N	x
<b>saw cloth filter?</b>	x	x	x	x	N
<b>18</b>	2x/wk	3x/wk	2x/wk	2x/wk	3x/wk
<b>19</b>					
<b>yes?</b>	x	x			
<b>no?</b>			x	x	x
<b>a</b>	hard to use				
<b>takes a lot of time?</b>	brush				
<b>21</b>	3 days ago	yesterday	3 days ago	3 days ago	3 days ago
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	605	606	607	608	609
a					
yes?		x	x	x	x
no?	x				
<b>OBSERVE</b>					
saw brush?	x (borrowed	x	x	N	x
23	from pre house)				
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
touch only top lip?			puts on table		
place filter on clean cloth?					
place filter on lid?	x	x	x		
place filter on ground?					
place filter on clean bowl?				x	
use filtered water for filter?	x	x	x	x	x
use brush?	x	x	x	x	x
brush only the inside?	x	x	x		x
clean storage unit?	x	x	x	x	x
use soap and sponge?	x	x	x		x
showed soap and sponge?	x	x	N		x
use filtered water to clean ss?				x	
cloth filter?				x	
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					

Household Number	605	606	607	608	609
24					
yes?	x	x	x	x	x
no?					
25		ice water			good to him
clay water?					
Pure Water sachet water?					
pipe water?	x		x	x	
clean water?					
26					
yes?	x	x	x	x	x
no?					
27					always clean
whole model?	x				and safe
storage and filter in one?					
tap?		x	x	x	
lid?					x
clean water?					
health?					
28					
yes?			x		
no?	x	x		x	x
a					
tap?			x		
storage unit?					
29					
yes?	x	x	x	x	x
no?					
a					
cloth filter?	x	x	x	x	x
alum					
boil?					
b					
yes?	x	x	x	x	N
no?					
c					
yes?	x	x	x	x	x
no?					
30					
yes?				x	
no?	x	x	x	last week	x
a				adult	

Household Number	610	611	612	613	701
Village					Taha
Age	said they do	22	39		40
Gender	not use	M	M	M	F
Household Status	because they never got the	Landlord's son	Chief's son	Chief	Landlord's wife-looks like filter has not been used in a while-felt like they were lying during the interview. Did not buy filter (got for free from Liason)
1	brush.	yes	yes	yes	outside in pots
OBSERVE	didn't know				
How high from ground?	how to use	1'	2'6"	1'6"	6"
Filter installed in unit?	laughed a lot	x	x	x	x
Water in the bottom?		x	x	x	N
Lid on the top?		x	x	x	x
Water in filter?		x	N	x	N
Sustained Use?	n	y	y	y	n
2					
dugout?	x	x	x	x	x
community tap?					
3					
yes?		x			
no?			x-but there	x	x
4			will be a time		
presentation?			when it is		

Household Number	610	611	612	613	701
community liason?		x	x not good	x	x
5					
yes?		x	x	x	not using
no?					x (too slow)
6		9 mos	1 year	last year	6 mos
7					
yes?		x	x	x	x
no?					
a					
yes?					x
no?		x	x	x	
8					
community liason?		x	x	x	x
Peter?					
Shak?					
9		x	x		
yes?				x	x
no?					
10					
clean?				x	
filter first with cloth?		x	x	x	x
alum?					
let water settle?					
11			6	7	10
12					4
adults?			4	2	3
children?			2	5	7
13		he does			
wife?				x	x
children?					
14					
yes?		x	x		x
no?				x	
a					filter too slow
hunting?					
travel?		x			
farm?			x		
15					
yes?		x	x	x	x
no?					
a					
tap?					
dugout?		x	x	x	x

Household Number	610	611	612	613	701
<b>b</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>		x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>		x	x	x	x
<b>covered container?</b>		x	N	N	x
<b>saw cloth filter?</b>		x	x	x	N
<b>16</b>					
<b>yes?</b>		x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>		x	x	x	x
<b>cloth filter?</b>		x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>		x	x	x	x
<b>covered container?</b>		x	N	N	x
<b>saw cloth filter?</b>		x	x	x	N
<b>17</b>					
<b>yes?</b>		x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>		x		x	x
<b>cloth filter?</b>		x		x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>		x	x	x	x
<b>covered container?</b>		x	N	N	x
<b>saw cloth filter?</b>		x	x	x	N
<b>18</b>		3x/wk	4-5x/wk	3x/wk	3x/wk
<b>19</b>					
<b>yes?</b>				x	x
<b>no?</b>		x	x		
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>		3 days ago	last week	3 days ago	2 days ago
<b>22</b>					(think lie)
<b>yes</b>		x	x	x	x
<b>no?</b>					

Household Number	610	611	612	613	701
a					
yes?	x	x	x	x	
no?					
<b>OBSERVE</b>					
saw brush?	x	N	x	x	
23					
yes?	x	x	x	x	
no?					
<b>OBSERVE</b>				cleans lid	
touch only top lip?		puts on clean	washes lid		
place filter on clean cloth?		table	first		
place filter on lid?			x	x	x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x	x	x	x	x
use brush?	x	x	x	x	x
brush only the inside?			x	x	
clean storage unit?	x	x	x	x	x
use soap and sponge?	x	x	x	x	x
showed soap and sponge?	x	x	x	x	x
use filtered water to clean ss?				*started asking	
cloth filter?				again on 1/16	
use pipe water to clean ss?				only stoped on	
disinfect storage?				15-Jan	
disinfect tap?					

Household Number	610	611	612	613	701
24					
yes?		x	x	x	x
no?					
25		different	different from		
clay water?		from Dugout	dugout taste		
Pure Water sachet water?		taste			
pipe water?				x	x
clean water?					
26					
yes?		x	x	x	x
no?					
27		its helping			
whole model?		a lot		x	x
storage and filter in one?			x		
tap?			other filter is		
lid?			always with		
clean water?			the woman.		
health?			likes that this		
28			is with him		
yes?					x
no?		x	x	x	
a					too slow
tap?					
storage unit?					
29					
yes?		x	x	x	x
no?					
a					
cloth filter?		x	x	x	x
alum					
boil?					
b					
yes?		x	x	x	
no?					x
c					
yes?		x	x	x	x
no?					
30					
yes?					x
no?		x	x	x	last month
a					adult



Household Number	702	703	704	705	706
Village					
Age	50		35	70	35
Gender	M	M	F	M	F
Household Status	Landlord-says filter is not enough water for his family	ended up talking to Mother	Landlord's wife-said she had been traveling-and just got home filter looks like it has not been used in a while-during interview, child (<5) drink unfiltered water	pot broken so they did not use. Took	Landlord's wife
1	yes	son has locked	yes	pic of SS unit	yes
OBSERVE		filter in room		but did not	
How high from ground?	1'	and is not	0"	have broken	2' 6"
Filter installed in unit?	x	using it. Mom	x	pot to show	x
Water in the bottom?	x	says she did	N	me	x
Lid on the top?	x	not know	x		x
Water in filter?	x	that he had a	N		N
Sustained Use?	y	n	n	n	y
2		filter until			
dugout?	x	yesterday	x		x
community tap?					
3					
yes?	x		x		x
no?					
4					
presentation?					

Household Number	702	703	704	705	706
community liason?	x		x		x
5					
yes?	x		x		x
no?					
6	1 year		1 year		last year
7					
yes?	x		x		x
no?					
a					
yes?	x				x
no?			x		
8					
community liason?	x		x		x
Peter?					
Shak?					
9					
yes?	x		x		x
no?					
10					
clean?					
filter first with cloth?	x		x		x
alum?					
let water settle?					
11	25		5		>20
12					
adults?	5		2		7
children?	20		3		>13
13					
wife?	x		x		
children?					x
14					
yes?			x		
no?	x				x
a					
hunting?					
travel?			x		
farm?					
15					
yes?	x		x		x
no?					
a					
tap?					
dugout?	x		x		x

Household Number	702	703	704	705	706
<b>b</b>					
<b>yes?</b>	x		x		x
<b>cloth filter?</b>	x		x		cloth missing
<b>no?</b>					use shirt
<b>OBSERVE</b>					
<b>turbid?</b>	x		~		x
<b>covered container?</b>	N		N		N
<b>saw cloth filter?</b>	x		x		x saw shirt
<b>16</b>					
<b>yes?</b>	x		x		x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x		x		x
<b>cloth filter?</b>	x		x		cloth missing
<b>no?</b>					use shirt
<b>OBSERVE</b>					
<b>turbid?</b>	x		~		x
<b>covered container?</b>	N		N		N
<b>saw cloth filter?</b>	x		x		x saw shirt
<b>17</b>					
<b>yes?</b>	x		x		x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x		x		x
<b>cloth filter?</b>	x		x		cloth missing
<b>no?</b>					use shirt
<b>OBSERVE</b>					
<b>turbid?</b>	x		~		x
<b>covered container?</b>	N		N		N
<b>saw cloth filter?</b>	x		x		x saw shirt
<b>18</b>	4x/wk		2x/wk		4x/wk
<b>19</b>					
<b>yes?</b>	x		x		
<b>no?</b>					x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	yesterday		3 days ago-sister		2 days ago
<b>22</b>					
<b>yes</b>	x		x		x
<b>no?</b>					

Household Number	702	703	704	705	706
24					
yes?	x		x		x
no?					
25					
clay water?					
Pure Water sachet water?					
pipe water?	x		x		x
clean water?					
26					
yes?	x		x		x
no?					
27					
whole model?	its nice		feels proud		x
storage and filter in one?			of filter		
tap?			feels		
lid?			respected		
clean water?			x		x
health?					
28					
yes?					
no?	x		x		x
a					
tap?					
storage unit?					
29					
yes?	x		x		x
no?					
a					
cloth filter?	x		x		x
alum					
boil?					
b					
yes?	x		x		x saw shirt
no?					
c	it was good				
yes?	but Kosim better		x		x
no?	x				
30					
yes?					

Household Number	702	703	704	705	706
no?	x		x		x
a	kids have bellies				
					Hardly any wo
					Kids did not se
					started asking

Household Number	707	708	709	710	711
Village					
Age	50	50	50	filter to be	has filter
Gender	F	M	F	found. Said	but locked in
Household Status	Landlord's wife- not enough water in ss unit for sample	does not use filter. He says it was "spoiled." Tap was broken but now works. Says his son is "volunteer helper"	Landlord's wife	that they sent their filter to a different house	his room and he was not home to let us in. Family was home though (no water for them?)
1	yes	no	yes	no	yes
OBSERVE					
How high from ground?	6"		6"		
Filter installed in unit?	x		x		
Water in the bottom?	x		x		
Lid on the top?	x		x		
Water in filter?	N		N		
Sustained Use?	n	n	y	n	n
2					
dugout?	x		x		
community tap?					
3					
yes?			x		
no?	x				
4					
presentation?					

Household Number	707	708	709	710	711
community liason?	x		x		
5					
yes?	too slow		x		
no?	x				
6	last year	last year	last year		
7					
yes?	x		x		
no?					
a					
yes?					
no?	x		x		
8					
community liason?	x		x		
Peter?					
Shak?					
9					
yes?	x		x		
no?					
10					
clean?					
filter first with cloth?	x		x		
alum?					
let water settle?					
11	9		5		
12					
adults?	4		2		
children?	5		3		
13					
wife?			x		
children?	x				
14					
yes?					
no?	x		x		
a					
hunting?					
travel?					
farm?					
15					
yes?	x		x		
no?					
a					
tap?					
dugout?	x		x		

Household Number	707	708	709	710	711
<b>b</b>					
<b>yes?</b>	x		x		
<b>cloth filter?</b>	cloth missing		x		
<b>no?</b>	use shirt				
<b>OBSERVE</b>					
<b>turbid?</b>	x		N		
<b>covered container?</b>	N		x		
<b>saw cloth filter?</b>	x saw shirt		x		
<b>16</b>					
<b>yes?</b>	x		x		
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x		x		
<b>cloth filter?</b>	cloth missing		x		
<b>no?</b>	use shirt				
<b>OBSERVE</b>					
<b>turbid?</b>	x		N		
<b>covered container?</b>	N		x		
<b>saw cloth filter?</b>	x saw shirt		x		
<b>17</b>					
<b>yes?</b>	x		x		
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x		x		
<b>cloth filter?</b>	cloth missing		x		
<b>no?</b>	use shirt				
<b>OBSERVE</b>					
<b>turbid?</b>	x		N		
<b>covered container?</b>	N		x		
<b>saw cloth filter?</b>	x saw shirt		x		
<b>18</b>	2x/wk		1x/wk		
<b>19</b>					
<b>yes?</b>	x				
<b>no?</b>			x		
<b>a</b>					
<b>takes a lot of time?</b>	x				
<b>21</b>	4 days ago		last week		
<b>22</b>					
<b>yes</b>	x		x		
<b>no?</b>					



Household Number	707	708	709	710	711
a					
yes?	x		x		
no?					
<b>OBSERVE</b>					
saw brush?	N				
23					
yes?	x		x		
no?					
<b>OBSERVE</b>					
touch only top lip?			x		
place filter on clean cloth?	x				
place filter on lid?			x		
place filter on ground?					
place filter on clean bowl?	x				
use filtered water for filter?	x		x		
use brush?	x		N use cloth		
brush only the inside?	x		x		
clean storage unit?	x		x		
use soap and sponge?	x		x		
showed soap and sponge?	x		SP x SO N		
use filtered water to clean ss?	x		x		
cloth filter?	x		x		
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					

Household Number	707	708	709	710	711
<b>24</b>					
<b>yes?</b>	x		x		
<b>no?</b>					
<b>25</b>					
<b>clay water?</b>					
<b>Pure Water sachet water?</b>	x				
<b>pipe water?</b>			x		
<b>clean water?</b>					
<b>26</b>					
<b>yes?</b>	x		x		
<b>no?</b>					
<b>27</b>	very fine				
<b>whole model?</b>			x		
<b>storage and filter in one?</b>					
<b>tap?</b>					
<b>lid?</b>					
<b>clean water?</b>					
<b>health?</b>					
<b>28</b>					
<b>yes?</b>	x				
<b>no?</b>			x		
<b>a</b>	too slow				
<b>tap?</b>					
<b>storage unit?</b>					
<b>29</b>					
<b>yes?</b>	x		x		
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x		x		
<b>alum</b>					
<b>boil?</b>					
<b>b</b>					
<b>yes?</b>	x saw shirt		x		
<b>no?</b>					
<b>c</b>					
<b>yes?</b>	x		x		
<b>no?</b>					
<b>30</b>					
<b>yes?</b>	x				

Household Number	707	708	709	710	711
no?	yesterday		x		
a	adult-still at				
		lasted 2 days		previous	Water still
	men home at the 800s- market day			house	looks dirty
					after the cloth
	em to have distended bellies				
	"who cleans the filter				

Household Number	712	713	714	801	802
Village				Tuunaayili	
Age	30		20	37	50
Gender	F	F	F	M	M
Household Status	Landlord's wife- seemed honest	She is out of town, no one at the home could talk about the filter. They do not know how to use it. Not enough H2O for a sample	Not using the filter. Says that it broke. Took pictures of SS but they did not have the pot. At first she said she "didn't feel like it" when asked why she didn't use the filter	Landlord and Community Volunteer	Landlord bottom of the SS unit had dirt settled on the bottom. Very distracted during interview--- other people kept trying to answer for her
1	yes	no	no	yes	yes
OBSERVE					
How high from ground?	1'	1'		2'	2'
Filter installed in unit?	x	x		x	x
Water in the bottom?	x	x		x	x
Lid on the top?	x	x		x	x
Water in filter?	N	N		N	N
Sustained Use?	y	n	n	y	y
2					
dugout?	x			x	x
community tap?					
3					
yes?	x				
no?				x	x
4				peter	peter
presentation?					

Household Number	712	713	714	801	802
community liason?	x				
5					
yes?	x			x	x
no?					
6	1 year	1 year	1 year	5 mos ago	3 mos ago
7					
yes?	x			x	x
no?					
a					
yes?	x				
no?				x	x
8					
community liason?	x				x
Peter?				x	
Shak?					
9					
yes?	x			x	x
no?					
10					
clean?					
filter first with cloth?	x			x	N
alum?					
let water settle?					
11	15			7	10
12					
adults?	6			4	6
children?	9			3	4
13					
wife?	x			x	
children?					x
14					
yes?	x			x	x
no?					
a					
hunting?					
travel?					
farm?					
15					
yes?	x			x	x
no?					
a					
tap?					
dugout?	x			x	x

Household Number	712	713	714	801	802
<b>b</b>					
<b>yes?</b>	x			x	x
<b>cloth filter?</b>	x			x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x			N	N
<b>covered container?</b>	N				
<b>saw cloth filter?</b>	x			x	x
<b>16</b>					
<b>yes?</b>	x			x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x			x	x
<b>cloth filter?</b>	x			x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x			N	N
<b>covered container?</b>	N				
<b>saw cloth filter?</b>	x			x	x
<b>17</b>					
<b>yes?</b>	x			x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x			x	x
<b>cloth filter?</b>	x			x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	x			N	N
<b>covered container?</b>	N				
<b>saw cloth filter?</b>	x			x	x
<b>18</b>	2x/wk			3x/wk	2x/wk
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x			x	x
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	3 days ago			5 days ago	4 days ago
<b>22</b>					
<b>yes</b>	x			x	x
<b>no?</b>					

Household Number	712	713	714	801	802
a					
yes?	x			x	x
no?					
<b>OBSERVE</b>					
saw brush?	x			x	x
23					
yes?	x			x	x
no?					
<b>OBSERVE</b>	who cleans filter? (added 1/17)				
touch only top lip?					
place filter on clean cloth?					
place filter on lid?	x			x	x
place filter on ground?					
place filter on clean bowl?					
use filtered water for filter?	x			x	x
use brush?	x			x	x
brush only the inside?	x			x	
clean storage unit?	x			x	x
use soap and sponge?	x			x	x
showed soap and sponge?	x			x	x
use filtered water to clean ss?	x			x	x
cloth filter?	x			x	x
use pipe water to clean ss?					
disinfect storage?					
disinfect tap?					

Household Number	712	713	714	801	802
<b>24</b>					
<b>yes?</b>	x			x	x
<b>no?</b>					
<b>25</b>	healthy				
<b>clay water?</b>	all kids like				x
<b>Pure Water sachet water?</b>	filtered water				
<b>pipe water?</b>				x	
<b>clean water?</b>				x	
<b>26</b>					
<b>yes?</b>	x			x	x
<b>no?</b>					
<b>27</b>					
<b>whole model?</b>	x				x
<b>storage and filter in one?</b>					
<b>tap?</b>				x	
<b>lid?</b>					
<b>clean water?</b>					
<b>health?</b>					
<b>28</b>					
<b>yes?</b>	x			x	
<b>no?</b>					x
<b>a</b>	fixednow			washer leaked	
<b>tap?</b>	x			x	
<b>storage unit?</b>				fixed now	
<b>29</b>					
<b>yes?</b>	x			x	x
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x			x	x
<b>alum</b>					
<b>boil?</b>					
<b>b</b>					
<b>yes?</b>	x			x	x
<b>no?</b>					
<b>c</b>	Kosim is				
<b>yes?</b>	"the best"			x	x
<b>no?</b>	x				
<b>30</b>					
<b>yes?</b>					x



Household Number	712	713	714	801	802
no?	x			x	last year
a					adult
		ceramic has	Kosim is	because cloth	cloth is
		chemicals	better quality	is for big pots	only for
		that cleans		Kosim is	pots
		water better		always in	Kosim you can
		than cloth		the room	keep in the ro
				cant bring big	
				pots in the	
				room	

Household Number	804	806	807	808	809
Village					
Age	22	30	40	20	20
Gender	M	M	F	M	M
Household Status	Landlord's son	Landlord's son	Landlord's wife	Landlord's son	Landlord's son
1	yes	yes	yes	yes	yes
OBSERVE					
How high from ground?	3"	6"	1'	2'6"	3'
Filter installed in unit?	x	x	x	x	x
Water in the bottom?	x	x	x filled almost	x	x
Lid on the top?	x	x	x to the top	x	x
Water in filter?	x	x	x of SS unit	x	x
Sustained Use?	y	y	n	y	y
2					
dugout?	x	x	x	x	x
community tap?					
3					
yes?					
no?	x	x	x	x	x
4					
presentation?					

Household Number	804	806	807	808	809
community liason?	x	x	x	x	x
5					
yes?	x	x	x	x	x
no?					
6	5 mos ago	5 mos ago	5 mos ago	3 mos ago	5 mos ago
7					
yes?	x		x		
no?		x		x	x
a					
yes?					
no?			x		
8					
community liason?	x	x	x	x	x
Peter?					
Shak?					
9					
yes?	x	x	x	x	x
no?					
10				pours in	
clean?					x
filter first with cloth?	x	x	x	N	x
alum?					
let water settle?					
11	7	10	8	13	3
12					
adults?	1	6	2	4	1
children?	6	4	6	9	2
13	he does			he does	
wife?		x	x		x
children?					
14					
yes?	x	x		x	
no?			x		x
a					
hunting?					
travel?		x		x	
farm?					
15					
yes?		x	x	x	x
no?					
a					
tap?					
dugout?	x	x	x	x	x

Household Number	804	806	807	808	809
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	N	N~	N~	N~	N~
<b>covered container?</b>	N	N	N	N	N
<b>saw cloth filter?</b>	x	x	x	x	x
<b>16</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	N	N~	N~	N~	N~
<b>covered container?</b>	N	N	N	N	N
<b>saw cloth filter?</b>	x	x	x	x	x
<b>17</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x	x	x
<b>cloth filter?</b>	x	x	x	x	x
<b>no?</b>					
<b>OBSERVE</b>					
<b>turbid?</b>	N	N~	N~	N~	N~
<b>covered container?</b>	N	N	N	N	N
<b>saw cloth filter?</b>	x	x	x	x	x
<b>18</b>	2x/wk	2x/wk	continuous	every 3 days	2x/wk
<b>19</b>			was told that		
<b>yes?</b>		x	she should		
<b>no?</b>	x		x not let the	x	x
<b>a</b>			pot be empty		
<b>takes a lot of time?</b>					
<b>21</b>	3 days ago	4 days ago	yesterday	3 days ago	3 days ago
<b>22</b>					
<b>yes</b>	x	x	x	x	x
<b>no?</b>					

Household Number	804	806	807	808	809
a					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x	x	x
23					
yes?	x	x	x	x	x
no?					
<b>OBSERVE</b>	he does	he does	her	he does	he does
touch only top lip?	puts on table				
place filter on clean cloth?		puts on table			puts on table
place filter on lid?				x	
place filter on ground?					
place filter on clean bowl?	x				
use filtered water for filter?	x	x	x	x	x
use brush?	x 2x	x	x	x	x 3-4x
brush only the inside?	x	x	x	x	x
clean storage unit?	x	x	x 3x		x
use soap and sponge?	x	x	x	x	x
showed soap and sponge?	x	x	x	x	x
use filtered water to clean ss?	x	x	x	x	x Kosim
cloth filter?	x	x or Kosim	x	x	
use pipe water to clean ss?		water is avail			
disinfect storage?					
disinfect tap?					

Household Number	804	806	807	808	809
<b>24</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>25</b>				different	bore hole
<b>clay water?</b>	different			than before	water
<b>Pure Water sachet water?</b>	from old				
<b>pipe water?</b>	x water	x	x		
<b>clean water?</b>					
<b>26</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>27</b>					
<b>whole model?</b>	x	x	x		x
<b>storage and filter in one?</b>					
<b>tap?</b>		can offer		x	
<b>lid?</b>		clean water			
<b>clean water?</b>		to guest			
<b>health?</b>		x			
<b>28</b>					
<b>yes?</b>	x		x	x	
<b>no?</b>		x			x
<b>a</b>	leaked				
<b>tap?</b>	x		x was	x was leaking	
<b>storage unit?</b>	now fixed		leaking now	now fixed	
<b>29</b>			fixed		
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>a</b>					
<b>cloth filter?</b>	x	x	x	x	x
<b>alum</b>					
<b>boil?</b>					
<b>b</b>					
<b>yes?</b>	x	x	x	x	x
<b>no?</b>					
<b>c</b>					
<b>yes?</b>	x	x	x	x	Kosin is better
<b>no?</b>					x
<b>30</b>					
<b>yes?</b>					x
<b>no?</b>	x	x	x	x	3 mos ago
<b>a</b>					3 year old

Household Number	810	811	901	902	903
Village			Kpilo		
Age	35	30	57	35	50
Gender	M	F	M	F	M
Household Status	Chief's son	Chief's wife	Landlord and Village Volunteer - seems honest, looks like they just cleaned the filter and I believe them	Landlord	Peter will come back and train next week
1	yes	yes	outside	yes	yes
OBSERVE			2" says they		
How high from ground?	1'6"	6"	cleaned it this	6"	3"
Filter installed in unit?	x	x	x morning	N said that	N filter in
Water in the bottom?	x	x	x	they were	x SS in
Lid on the top?	x	x	x	using pipe	x water
Water in filter?	x	x	N	so took out	x they do not
Sustained Use?	y	y	y	n	n
2					use because
dugout?	x	x	x	x	they have
community tap?			x	x (rightnow)	pipe water
3					they didn't
yes?			x dugout		realize that
no?	x	x		D X P x	the ss unit
4	Peter		Peter	Peter	had a lip to
presentatio n?					rest the filter

Household Number	810	811	901	902	903
community liason?	x	x			on. Got
5					Kosim from
yes?	x	x	x	x	brother
no?					and never
6	5 mos ago	5 mos ago	1 year ago	1 year ago	learned
7					how to
yes?	x	x	x	x	use
no?					(got 2mos ago)
a					has brush
yes?		x	x	x	and training
no?	x				papers
8					
community liason?	x	x			lip was stuck
Peter?			x	x	in the lid and
Shak?					they never saw
9					it there
yes?	x	x	x	x	
no?					
10				pipe-no	
clean?			x	filter	
filter first with cloth?	x	x	x	DO-Kosim	
alum?				no cloth 1st	
let water settle?					
11	6	6	22	6	
12					
adults?	3	4	4	2	
children?	3	2	18	4	
13					
wife?	x		x	x	
children?		x			
14					
yes?			x	x (pipe)	
no?	x	x			
a					
hunting?			when using	pipe, no	
travel?			the pipe	other time	
farm?			water		
15					
yes?	x	x	x	x	
no?					
a					
tap?			x open	x	
dugout?	x	x	yesterday		



Household Number	810	811	901	902	903
<b>b</b>					
<b>yes?</b>	x	x	x from DO	x from DO	
<b>cloth filter?</b>	x	x			
<b>no?</b>			x from pipe	x from pipe	
<b>OBSERVE</b>					
<b>turbid?</b>	N~	N~	N	N	
<b>covered container?</b>	N	x	x	N	
<b>saw cloth filter?</b>	x	x		x	
<b>16</b>					
<b>yes?</b>	x	x	x	x	
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x from DO	x from DO	
<b>cloth filter?</b>	x	x			
<b>no?</b>			x from pipe	x from pipe	
<b>OBSERVE</b>					
<b>turbid?</b>	N~	N~	N	N	
<b>covered container?</b>	N	x	x	N	
<b>saw cloth filter?</b>	x	x		x	
<b>17</b>					
<b>yes?</b>	x	x	x	x	
<b>no?</b>					
<b>a</b>					
<b>yes?</b>	x	x	x from DO	x from DO	
<b>cloth filter?</b>	x	x			
<b>no?</b>			x from pipe	x from pipe	
<b>OBSERVE</b>					
<b>turbid?</b>	N~	N~	N	N	
<b>covered container?</b>	N	x	x	N	
<b>saw cloth filter?</b>	x	x		x	
<b>18</b>	2x/wk	continously	4x/wk	2x/wk	
<b>19</b>					
<b>yes?</b>					
<b>no?</b>	x	x	x	x	
<b>a</b>					
<b>takes a lot of time?</b>					
<b>21</b>	4 days ago	yesterday	this morn	yesterday (SS)	
<b>22</b>					
<b>yes</b>	x	x	x	x	
<b>no?</b>					

Household Number	810	811	901	902	903
a					
yes?	x	x	x	x	
no?					
<b>OBSERVE</b>					
saw brush?	x	x	x	N	
23			he does	she does	
yes?	x	x			
no?					
<b>OBSERVE</b>	he does	her			
touch only top lip?					
place filter on clean cloth?					
place filter on lid?	x	x	x	x	
place filter on ground?					
place filter on clean bowl?			x	x or pipe	
use filtered water for filter?	x	x	x	x	
use brush?	x	x	x	x	
brush only the inside?	x		x	x	
clean storage unit?	x	x	x	x	
use soap and sponge?	x	x	x	x	
showed soap and sponge?	x	x	x	x	
use filtered water to clean ss?	x	x	x Kosim	x	
cloth filter?	x	x		x if no pipe	
use pipe water to clean ss?			x	x	
disinfect storage?					
disinfect tap?					

Household Number	810	811	901	902	903
24					
yes?	x	x	x	x	
no?					
25	different	fine			
clay water?					
Pure Water sachet water?					
pipe water?			x	x	
clean water?					
26					
yes?	x	x	x	x	
no?					
27					
whole model?		x	x	x simple	
storage and filter in one?				to use	
tap?	x			quality always	
lid?				keeps good	
clean water?				drinking water	
health?					
28					
yes?					
no?	x	x	x	x	
a					
tap?					
storage unit?					
29					
yes?	x	x	x	x	
no?					
a					
cloth filter?	x	x	x	x	
alum					
boil?					
b					
yes?	x	x	x	x	
no?					
c					
yes?	x	x	x		
no?				x	
30					
yes?	x	x			

no?	last year	1 year ago	x	x	
a	1 and 2 yr old	same from			



Household Number	904	905	906	907
<b>Village</b>				
<b>Age</b>	38	30	27	40
<b>Gender</b>	M	M	F	M
<b>Household Status</b>	Landlord	Landlord-uses life straw when traveling	Landlord son's wife	Landlord's bother
<b>1</b>	yes	yes	yes	yes
<b>OBSERVE</b>				
<b>How high from ground?</b>	1'	3"	2'	1' 6"
<b>Filter installed in unit?</b>	N filter under	x	x	x
<b>Water in the bottom?</b>	x bed, using	x	x	x
<b>Lid on the top?</b>	x pipe so	x	x	x
<b>Water in filter?</b>	they took it out	N	x	x
<b>Sustained Use?</b>	n	y	y	y
<b>2</b>				
<b>dugout?</b>	x	x	x	x
<b>community tap?</b>	x (now)	x (now)	x (now)	x (now)
<b>3</b>				
<b>yes?</b>	D x			D x P X
<b>no?</b>	P x	D x P X	x	
<b>4</b>	Peter	Peter	Peter	
<b>presentation?</b>				x

Household Number	904	905	906	907
<b>community liason?</b>				
<b>5</b>				
<b>yes?</b>	x	x	x	x
<b>no?</b>				
<b>6</b>	1 year ago	1 year ago	1 year ago	
<b>7</b>				
<b>yes?</b>	x	x	x	x
<b>no?</b>				
<b>a</b>				
<b>yes?</b>		x	x	x
<b>no?</b>	x			
<b>8</b>				
<b>community liason?</b>				
<b>Peter?</b>	x	x	x	x
<b>Shak?</b>				
<b>9</b>				
<b>yes?</b>	x	x	x	x
<b>no?</b>				
<b>10</b>	when from			
<b>clean?</b>	dugout,	x if dirty		x
<b>filter first with cloth?</b>	filter. From		x (dugout	x (DO only)
<b>alum?</b>	pipe, no		only, if	
<b>let water settle?</b>	filter		pipe then	
<b>11</b>	8	10	3 pour in Kosi	20
<b>12</b>				
<b>adults?</b>	4	4	2	10
<b>children?</b>	4	6	1	10
<b>13</b>				
<b>wife?</b>		x	x	x
<b>children?</b>				
<b>14</b>				
<b>yes?</b>	x (pipe)		x	x
<b>no?</b>		x		
<b>a</b>				
<b>hunting?</b>				
<b>travel?</b>	x			
<b>farm?</b>				x
<b>15</b>				
<b>yes?</b>	x	x	x	x
<b>no?</b>				
<b>a</b>				
<b>tap?</b>	x	x	x	x
<b>dugout?</b>				

Household Number	904	905	906	907
<b>b</b>				
<b>yes?</b>	x from DO	x from DO	x from DO	x
<b>cloth filter?</b>	x	x	x	x (DO)
<b>no?</b>	x from pipe	x from pipe	x from pipe	x (pipe)
<b>OBSERVE</b>				
<b>turbid?</b>	N	N	N	N
<b>covered container?</b>	N	N	x	x
<b>saw cloth filter?</b>	x		x	x
<b>16</b>				
<b>yes?</b>	x	x	x	x
<b>no?</b>				
<b>a</b>				
<b>yes?</b>	x from DO	x from DO	x from DO	x
<b>cloth filter?</b>	x	x	x	x (DO)
<b>no?</b>	x from pipe	x from pipe	x from pipe	x (pipe)
<b>OBSERVE</b>				
<b>turbid?</b>	N	N	N	N
<b>covered container?</b>	N	N	x	x
<b>saw cloth filter?</b>	x		x	x
<b>17</b>				
<b>yes?</b>	x	x	x	x
<b>no?</b>				
<b>a</b>				
<b>yes?</b>	x from DO	x from DO	x from DO	x
<b>cloth filter?</b>	x	x	x	x (DO)
<b>no?</b>	x from pipe	x from pipe	x from pipe	x (pipe)
<b>OBSERVE</b>				
<b>turbid?</b>	N	N	N	N
<b>covered container?</b>	N	N	x	x
<b>saw cloth filter?</b>	x		x	x
<b>18</b>	2x/wk	3x/wk	1x/wk	3x/wk
<b>19</b>				
<b>yes?</b>				
<b>no?</b>	x	x	x	x
<b>a</b>				
<b>takes a lot of time?</b>				
<b>21</b>	last month	5 days ago	last week	yesterday
<b>22</b>				
<b>yes</b>	x	x	x	x
<b>no?</b>				

Household Number	904	905	906	907
<b>a</b>				
<b>yes?</b>	x	x	x	x
<b>no?</b>				
<b>OBSERVE</b>				
<b>saw brush?</b>	N	N	N	N
<b>23</b>	him and wife	him and wife	her	him and wife
<b>yes?</b>				x
<b>no?</b>				
<b>OBSERVE</b>				
<b>touch only top lip?</b>				
<b>place filter on clean cloth?</b>				puts on
<b>place filter on lid?</b>	puts on	puts on	puts on	bench with
<b>place filter on ground?</b>	table	plastic sheet	chair	plastic
<b>place filter on clean bowl?</b>				
<b>use filtered water for filter?</b>	pipe	pipe	pipe	pipe
<b>use brush?</b>	x	x	x	x
<b>brush only the inside?</b>	x	x	x	x
<b>clean storage unit?</b>		x	x	x
<b>use soap and sponge?</b>	x	x	x	x
<b>showed soap and sponge?</b>	x	x Was	x	x
<b>use filtered water to clean ss?</b>		using Omo		
<b>cloth filter?</b>		but stopped		
<b>use pipe water to clean ss?</b>	x	x because the	x	x
<b>disinfect storage?</b>		thought it		
<b>disinfect tap?</b>		would wreck		



Household Number	904	905	906	907
24		the plastic		
yes?	x	x	x	x
no?				
25				
clay water?				x
Pure Water sachet water?				like the 1st
pipe water?	x	x	x	rain of the
clean water?				season
26				
yes?	x		x	x
no?		x		
27				
whole model?	keeps water	x	x	
storage and filter in one?	cool		respected	
tap?	x		if you have	x
lid?			a filter	
clean water?			"always clean"	
health?				
28				
yes?	x			
no?		x	x	x
a				
tap?	x leaking			
storage unit?	but now			
29	fixed			
yes?	x	x	x	x
no?				
a				
cloth filter?	x	x	x	x
alum				
boil?				
b				
yes?	x	x	x	x
no?				
c				
yes?	x	x	x	x
no?				
30				
yes?	x			

Household Number	904	905	906	907
no?	last week	x	x	x
a	3 years old			

## Appendix C Final Sustained Use Survey

### Ghana Summer 2008 Household Survey Sustained Use of the Kosim Filter

Hello, my name is Kate Clopeck, and I am student from MIT in the United States. We are conducting a household survey about household water management. We would like to talk with a woman of the household for about 15 minutes. Participation is voluntary; you may decline to answer any or all of the questions, and you may end the questionnaire early if you wish. All information will be kept confidential. Do you understand? Will you be willing to participate?

Yes	
No	(If no, thank and close)

Village Name: \_\_\_\_\_  
Household Number: \_\_\_\_\_  
GPS Coordinates: \_\_\_\_\_

1. Are you in charge of cleaning the filter?
  - a. If yes, continue with interview
  - b. If no, ask who has this job and ask to interview them instead.
  - c. OBSERVE:
    - i. What kind of house do they live in? (Straw Roof or Tin Roof?)
    - ii. Are water storage pots covered?

#### Respondent Information

2. What is your first and last name?
  - a. OBSERVE: Male or Female?
3. Approximately how old are you?
4. What is your status in the household? (Landlord/Landlord's Wife/Landlord's Son, etc)

#### Filter Use Questions

5. Can you please show me the water that you use for drinking?
  - a. OBERVE:
    - i. Did they point to the KOSIM filter? (if no, ask to see KOSIM filter)
    - ii. Where is filter located? (Central location that everyone has access to?)
    - iii. Approximately how high from the ground?
    - iv. Is the filter installed in the safe storage unit?
    - v. Is there water in the pot?
    - vi. Is there water in the safe storage unit?
    - vii. Is the lid on the top?

- b. If filter is not being used, ask why. Make note of household so PHW can follow up. (Broken-pot, tap, ss; passed lifespan; too slow; not needed; gave away (to a friend or relative); other)
- 6. Who did you purchase your filter from?
- 7. How much did you pay for this filter? (Free, 6 cedis, other?)
- 8. How many people drink water from this water filter?
  - a. How many adults?
  - b. How many children?
- 9. Did you receive any training materials when you purchased this filter?
  - a. OBSERVE:
    - i. If yes, do they still have the materials?
- 10. Did you receive a brush when you purchased this filter?
  - a. OBSERVE:
    - i. If yes, can they show you the brush

### **Water Quality Information**

- 11. Where do you collect your water from? (Check all that apply: Dugout, Pipe, Borehole, etc)
  - a. Take 1 sample of water directly from the source at each village
  - b. Measure turbidity of source water
- 12. Where did you collect the water that is in the filter from? (Only check 1)
- 13. May I take a sample of your filtered water?
  - a. Take sample of water directly from the tap.
  - b. Measure turbidity of filtered water (use turbidity tube in field, turbidimeter in lab)

Thank you very much for your help. This information will be very helpful to our study.

## Appendix D Sustained Use Survey Data

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
1	6/30/08	Gbalahi	0.56	y	s	n	f	40	daughter of chief
2	6/30/08	Gbalahi	0.56	y	s	n	f	40	daughter of chief
3	6/30/08	Gbalahi	0.56	y	s	n	f	50	LL wife
4	6/30/08	Gbalahi	0.56	y	s	n	m	20	LL son
5	6/30/08	Gbalahi	0.56	y	s	y	m	27	LL nephew
6	6/30/08	Gbalahi	0.56	y	s+z	n	f	22	LL bro wife
7	6/30/08	Gbalahi	0.56	y	s+z	y	m	50	LL
8	6/30/08	Gbalahi	0.56	y	s	n	m	40	LL
9	6/30/08	Gbalahi	0.56	y	s	n	f	30	LL son wife
10	6/30/08	Gbalahi	0.56	y	s+z	n	f	70	LL
11	6/30/08	Gbalahi	0.56	y	s	n	f	60	LL
12	6/30/08	Gbalahi	0.56	y	s+z	n	f	70	LL
13	6/30/08	Gbalahi	0.56	y	s+z	n	f	35	LL wife
14	6/30/08	Gbalahi	0.56	y	s+z	n	f	27	LL wife
15	6/30/08	Gbalahi	0.56	y	s+z	n	f	70	LL wife
16	7/1/08	Tolugu	1.04	y	s	n	f	20	chief son wife
17	7/1/08	Tolugu	1.04	y	s	y	f	25	LL son wife
18	7/1/08	Tolugu	1.04	y	s	y	f	50	LL wife
19	7/1/08	Tolugu	1.04	y	s+z	y	f	40	LL wife
20	7/1/08	Tolugu	1.04	n	s	n	f	26	LL daughter
21	7/1/08	Tolugu	1.04	y	s+z	n	f	30	LL wife
22	7/2/08	Kakpagayelli	0.91	y	s	n	m	41	LL nephew
23	7/2/08	Kakpagayelli	0.91	y	s+z	y	f	70	LL wife
24	7/2/08	Kakpagayelli	0.91	y	s	n	f	50	LL wife

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
1	n	y	0	y	n	n	y	y
2	n	n/a	n/a	n	n	n	n	n
3	n	y	4	y	n	n	y	n
4	y	n	12	y	n	n	y	n
5	y	n	12	y	y	y	y	y
6	n	y	0	y	n	n	n	n
7	n	y	6	n	n	n	y	n
8	y	y	6	y	n	n	y	n
9	y	y	12	y	n	n	y	n
10	n	y	12	n	n	y	y	n
11	n	y	6	y	n	n	y	n
12	y	y	6	y	y	y	y	y
13	y	y	18	y	n	n	y	n
14	n	y	8	y	n	n	y	n
15	n	n/a	n/a	n	n	n	n	n
16	y	y	4	n	n	y	y	n
17	y	y	8	n	n	y	y	n
18	y	y	12	n	n	y	y	n
19	n	y	14	y	n	y	y	n
20	y	y	12	n	n	y	y	n
21	n	y	12	n	n	y	y	n
22	y	y	8	n	n	y	y	n
23	y	y	10	y	n	y	y	y
24	y	y	8	y	n	y	y	y

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
1	TS		CL	6	9	8
2	BP	didn't ask	CL	6	n/a	n/a
3	NN		CL	6	0	1
4	T		CL	6	0	6
5	-		CL	6	0	2
6	Other		CL	6	8	3
7	T		CL	6	5	2
8	JF		CL	6	20	3
9	Other		CL	6	12	7
10	TS		CL	6	0	1
11	JF		Shak	0	3	2
12	-		CL	6	3	4
13	JF		CL	6	6	7
14	NN		CL	6	9	5
15	BP	12	CL	6	0	6
16	BP	0.5	Shak	0	4	2
17	BP	always broken?	CL	0	2	3
18	BP	always broken?	CL	0	4	2
19	-		CL	0	2	6
20	JF		CL	0	6	14
21	BP	2	CL	0	10	14
22	NN		Shak	6	3	3
23	-		CL	4	1	5
24	-		CL	6	10	5

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
1	17	y	y	y	n	x			x
2	0	y	n	y	n	x			x
3	1	y	n	n	y	x			x
4	6	y	n	y	y	x			x
5	2	y	n	y	y	x			x
6	11	n	n	y	y	x			x
7	7	y	y	y	y	x			x
8	23	y	n	y	y	x			x
9	19	n	n	y	y	x			x
10	1	y	n	y	n	x			x
11	5	y	y	y	y	x			x
12	7	y	y	ny	n	x			x
13	13	y	n	y	y	x			x
14	14	y	y	y	n	x			x
15	6	y	n	y	n	x			x
16	6	n	n	nn	y	x			x
17	5	n	n	y	n	x			
18	6	n	n	nn	n	x			
19	8	n	n	y	n	x			x
20	20	n	n	y	n	x			x
21	24	n	n	n	n	x			
22	6	n	n	y	y	x		x	
23	6	n	n	y	y	x		x	
24	15	n	n	y	y	x		x	



HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
1						x		
2						x		
3						x		
4						x		
5						x		
6						x		
7						x		
8						x		
9	x						x	
10	x						x	
11						x		
12						x		
13			x					
14	x						x	
15	x						x	
16	x						x	
17	x						x	
18	x						x	
19	x					x		
20	x						x	
21	x						x	
22	x						x	
23	x						x	
24					x			

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
25	7/2/08	Kakpagayelli	0.91	y	s	n	m	22	LL son
26	7/2/08	Kakpagayelli	0.91	n	s	n	f	35	LL wife
27	7/2/08	Kakpagayelli	0.91	y	s	n	f	20	LL daughter
28	7/2/08	Kakpagayelli	0.91	y	s+z	n	m	20	LL son
29	7/2/08	Kakpagayelli	0.91	y	s+z	n	f	16	LL daughter
30	7/2/08	Kakpagayelli	0.91	y	z	y	m	28	LL son
31	7/2/08	Kakpagayelli	0.91	y	s+z	n	f	26	LL daughter
32	7/2/08	Kakpagayelli	0.91	y	s+z	y	f	22	LL son wife
33	7/2/08	Kakpagayelli	0.91	y	s	y	f	50	LL wife
34	7/2/08	Kakpagayelli	0.91	y	s	y	m	65	LL
35	7/2/08	Kakpagayelli	0.91	y	s	n	m	18	LL son
36	7/2/08	Kakpagayelli	0.91	y	s	n	f	30	LL wife
37	7/3/08	Chenshegu	1.55	n	s+z	n	m	18	LL son
38	7/4/08	Chenshegu	1.55	y	s+z	n	f	40	LL wife
39	7/5/08	Chenshegu	1.55	n	s	n	f	40	LL wife
40	7/6/08	Chenshegu	1.55	y	s	n	m	21	LL bro
41	7/7/08	Chenshegu	1.55	y	s	n	m	68	LL
42	7/8/08	Chenshegu	1.55	y	s+z	y	f	70	LL mom
43	7/9/08	Chenshegu	1.55	y	s+z	n	m	75	LL
44	7/10/08	Chenshegu	1.55	y	s	n	f	60	LL wife

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
25	y	y	12	y	y	y	y	y
26	y	y	12	y	y	y	y	y
27	y	y	6	y	y	y	y	y
28	y	y	8	y	n	n	y	n
29	y	y	6	y	n	n	y	n
30	n	y	4	y	n	y	y	y
31	y	y	12	y	y	y	y	y
32	y	y	12	y	y	y	y	y
33	y	y	8	y	n	y	y	y
34	y	y	5	y	n	n	y	n
35	y	y	8	y	n	n	y	n
36	y	y	12	y	y	y	y	y
37	y	y	12	y	y	y	y	y
38	y	y	3	y	y	y	y	y
39	y	y	6	n	y	y	y	n
40	y	y	18	y	y	y	y	y
41	y	y	4	y	y	n	y	n
42	y	y	6	y	y	y	y	y
43	y	y	5	y	y	y	y	y
44	y	y	12	y	y	n	y	n

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
25	-		CL	2	7	4
26	-		CL	6	5	9
27	-		CL	6	6	2
28	BT	1	CL	6	10	7
29	JF		CL	6	8	3
30	-		CL	6	3	3
31	-		CL	7	2	4
32	-		CL	6	4	2
33	-		CL	6	7	5
34	T		CL	6	2	2
35	JF		CL	6	2	3
36	-		CL	6	5	3
37	-		CL	6	7	1
38	-		CL	6	5	2
39	BT		don't know	don't know	3	2
40	-		CL	4	6	5
41	TS		CL	6	11	4
42	-		CL	2	3	3
43	-		CL	3	6	4
44	BT		CL	don't know	8	2

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
25	11	n	n	y	y	x		x	
26	14	n	n	y	y	x			
27	8	n	n	y	n	x			
28	17	y	n	y	n	x		x	
29	11	n	n	y	y	x		x	
30	6	n	n	y	y	x			
31	6	n	n	y	n	x		x	
32	6	n	n	y	y	x			
33	12	n	n	y	y	x		x	x
34	4	n	n	y	n	x		x	
35	5	n	n	y	y	x			
36	8	n	n	y	y	x		x	
37	8	y	y	y	y	x			
38	7	n	n	y	y	x			
39	5	y	y	y	n	x			
40	11	y	n	y	y	x			
41	15	y	n	y	n	x			
42	6	y	y	y	n	x			
43	10	y	n	y	n	x			
44	10	n	n	y	y	x			

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
25	x						x	
26	x		x					
27	x						x	
28	x						x	
29	x				x			
30	x						x	
31	x		x					
32	x						x	
33	x						x	
34	x						x	
35	x						x	
36	x						x	
37	x		x					
38	x		x					
39	x		x				x	
40	x		x					
41	x		x					
42	x						x	
43	x						x	
44			x					

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
45	7/11/08	Chenshegu	1.55	y	s	y	f	80	LL
46	7/12/08	Chenshegu	1.55	y	s	n	m	25	LL son
47	7/13/08	Dohini	1.54	y	s	y	m	59	LL
48	7/14/08	Dohini	1.54	y	s+z	y	f	30	LL wife
49	7/15/08	Dohini	1.54	y	z	n	f	25	LL wife
50	7/16/08	Dohini	1.54	y	s+z	n	m	40	LL
51	7/7/08	Dungu	0.76	y	s+z	n	f	25	LL son wife
52	7/7/08	Dungu	0.76	y	s+z	n	f	40	CL wife
53	7/7/08	Dungu	0.76	y	s+z	n	f	55	LL wife
54	7/7/08	Dungu	0.76	y	s+z	n	f	38	chief wife
55	7/7/08	Dungu	0.76	y	s+z	n	f	55	LL wife
56	7/7/08	Dungu	0.76	y	z	n	f	75	LL
57	7/7/08	Dungu	0.76	y	z	y	m	28	LL son
58	7/7/08	Dungu	0.76	y	z	n	f	34	LI wife
59	7/7/08	Dungu Yapalsi	1.33	y	s	n	f	50	LL wife
60	7/7/08	Dungu Yapalsi	1.33	n	s	n	m	40	LL son
61	7/7/08	Dungu Yapalsi	1.33	y	s+z	n	f	22	LL son wife

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
45	y	y	12	y	y	y	y	y
46	y	y	12	y	n	y	y	y
47	n	y	14	y	n	n	n	n
48	n	n	0	n	n	n	n	n
49	n	y	0	y	n	n	y	n
50	n	n	0	n	n	n	n	n
51	y	y	8	y	n	y	y	y
52	y	y	8	y	y	y	y	y
53	y	y	3	n	n	y	y	n
54	y	y	12	n	n	y	y	n
55	y	y	6	n	n	n	y	n
56	y	y	6	n	n	y	n	n
57	y	y	12	y	y	y	y	y
58	y	y	36	n	n	y	y	n
59	y	y	12	n	n	n	y	n
60	n	y	0	y	n	y	n	n
61	y	y	10	n	n	n	y	n



HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
45	-		CL	0	3	1
46	-		CL	don't know	3	3
47	NN		CL	6	11	5
48	BS		CL	6	4	2
49	NN		CL	6	6	2
50	BP	3 mos ago	CL	6	5	4
51	-		CL	don't know	2	2
52	-		Shak	0	10	6
53	other		CL	4	5	10
54	other		Shak	0	6	12
55	other		CL	don't know	7	2
56	NN		CL	5	4	2
57	-		CL	6	1	2
58	other		CL	6	6	4
59	TS		CL	6	10	5
60	T		CL	6	0	4
61	TS		CL	6	4	2

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
45	4	y	y	n	n	x			
46	6	y	n	y	n	x			
47	16	n	n	y	y	x			
48	6	y	n	y	n	x			
49	8	y	n	n	n	x			
50	9	y	n	y	n	x			
51	4	y	n	y	n	x		x	
52	16	y	y	y	y	x		x	
53	15	n	n	y	y	x		x	
54	18	y	n	y	y	x		x	
55	9	n	n	y	y	x		x	
56	6	n	n	y	y	x		x	
57	3	n	n	y	y	x			
58	10	y	n	y	y	x		x	
59	15	y	n	y	y	x			x
60	4	y	n	y	n	x			x
61	6	y	y	y	y	x			x

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
45	x						x	
46			x					
47	x	x					x	
48	x						x	
49	x						x	
50	x						x	
51	x						x	
52	x		x					
53	x						x	
54	x						x	
55	x						x	
56							x	
57	x						x	
58	x				x			
59	x					x		
60	x							x
61	x						x	

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
62	7/7/08	Dungu Yapalsi	1.33	n	s+z	n	m	45	LL
63	7/7/08	Dungu Yapalsi	1.33	n	s+z	n	m	37	LL bro
64	7/7/08	Dungu Yapalsi	1.33	y	s+z	y	m	45	CL
65	7/8/08	Fooshegu	1.08	y	s+z	n	f	26	LI wife
66	7/8/08	Fooshegu	1.08	y	s	y	f	24	LL son wife
67	7/8/08	Fooshegu	1.08	y	s	n	f	30	LL wife
68	7/8/08	Fooshegu	1.08	y	s+z	n	f	35	LL wife
69	7/8/08	Fooshegu	1.08	n	s+z	y	f	15	LL daughter
70	7/8/08	Fooshegu	1.08	y	s	n	m	37	CL
71	7/8/08	Tutengli	0.93	y	s	n	f	50	chief wife
72	7/8/08	Tutengli	0.93	y	s	n	m	39	LL son
73	7/8/08	Tutengli	0.93	y	s	n	m	20	LL son
74	7/8/08	Tutengli	0.93	y	s	n	m	27	LL son
75	7/8/08	Tutengli	0.93	y	z	n	m	45	LL
76	7/8/08	Tutengli	0.93	y	z	n	f	20	LL wife
77	7/8/08	Tutengli	0.93	y	s+z	n	m	50	LL
78	7/8/08	Tutengli	0.93	y	s+z	n	m	25	LL wife

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
62	n	y	0	n	n	y	n	n
63	n	y	12	n	n	y	y	n
64	y	y	12	n	n	y	y	n
65	n	y	8	y	y	y	y	y
66	y	y	12	y	y	y	y	y
67	n	y	24	y	y	y	y	y
68	y	y	18	y	y	y	y	y
69	y	y	10	n	n	y	y	n
70	y	y	12	y	y	y	y	y
71	y	y	6	n	n	y	y	n
72	y	y	12	y	y	y	y	y
73	y	y	12	y	y	y	y	y
74	y	y	24	y	y	y	y	y
75	y	y	12	n	n	n	y	n
76	y	y	24	n	n	y	y	n
77	y	y	12	n	n	y	y	n
78	y	y	14	n	n	y	y	n

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
62	NN		CL	6	7	9
63	NN		CL	6	0	1
64	NN		Shak	0	5	6
65	-		CL	6	0	1
66	-		CL	don't know	3	3
67	-		CL	6	4	2
68	-		CL	don't know	4	2
69	NN		don't know	don't know	2	4
70	-		Shak	0	3	2
71	BT		CL	0	4	4
72	-		CL	6	4	4
73	-		CL	6	2	3
74	-		CL	6	4	2
75	NN		CL	4	6	3
76	NN		CL	don't know	4	2
77	JF		CL	6	5	2
78	NN		CL	6	0	2

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
62	16	y	n	y	n	x			x
63	1	y	n	y	n	x			x
64	11	y	n	y	n	x			x
65	1	y	n	y	y	x			
66	6	n	n	y	y	x			
67	6	y	n	y	n	x			
68	6	y	n	y	y	x			
69	6	y	n	y	y	x			
70	5	y	n	y	y	x			
71	8	n	n	y	n	x		x	
72	8	n	n	y	y	x		x	x
73	5	n	n	y	y	x		x	
74	6	n	n	y	y	x		x	x
75	9	n	n	y	n	x		x	
76	6	n	n	y	n	x			x
77	7	n	n	y	n	x		x	
78	2	y	y	y	y	x			

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
62	x						x	
63	x					x		
64	x					x		
65	x						x	
66	x		x					
67	x						x	
68	x						x	
69	x						x	
70			x					
71	x						x	
72	x					x		
73	x						x	
74	x					x		
75	x						x	
76	x						x	
77	x						x	
78	x						x	



HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
79	7/10/08	Wulanyili	1.38	y	s+z	n	f	30	LL wife
80	7/10/08	Wulanyili	1.38	y	s+z	n	f	40	LL wife
81	7/10/08	Wulanyili	1.38	y	s	n	f	20	LL wife
82	7/10/08	Wulanyili	1.38	y	s	n	f	30	LL wife
83	7/10/08	Wulanyili	1.38	y	s	n	f	50	LL wife
84	7/10/08	Wulanyili	1.38	y	s	y	f	35	LL wife
85	7/10/08	Wulanyili	1.38	y	s+z	n	f	30	LL wife
86	7/10/08	Wulanyili	1.38	y	s	n	m	20	LL son
87	7/10/08	Wulanyili	1.38	y	s	n	f	30	LI wife
88	7/10/08	Wulanyili	1.38	y	s	n	f	30	LL wife
89	7/10/08	Wulanyili	1.38	y	s+z	n	f	25	LL wife
90	7/10/08	Wulanyili	1.38	y	s	n	m	25	LL
91	7/11/08	Kukuo	1.36	y	s	n	f	40	CL
92	7/11/08	Kukuo	1.36	y	s	y	f	40	LL wife
93	7/11/08	Kukuo	1.36	y	s	n	f	30	LL wife
94	7/11/08	Kukuo	1.36	y	z	y	f	20	LL wife
95	7/11/08	Kukuo	1.36	y	s+z	y	f	25	chief son wife

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
79	n	y	12	y	n	y	y	y
80	y	y	18	y	n	y	y	y
81	y	y	4	y	n	y	y	y
82	y	y	24	y	n	n	y	n
83	n	y	3	y	n	y	y	y
84	y	y	3	y	y	y	y	y
85	y	y	4	y	y	y	y	y
86	y	y	24	y	n	y	y	y
87	y	y	12	y	y	y	y	y
88	y	y	6	y	n	y	y	y
89	y	y	12	y	n	n	y	n
90	y	y	10	y	y	y	y	y
91	y	y	4	y	y	y	y	y
92	y	y	8	y	y	y	y	y
93	n	y	0	n	n	n	n	n
94	y	y	10	y	y	y	y	y
95	y	y	0	y	y	n	y	y

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
79	-		CL	6	5	4
80	-		CL	don't know	10	12
81	-		CL	6	2	2
82	other		CL	6	5	4
83	-		CL	6	2	2
84	-		CL	6	2	2
85	-		CL	6	6	9
86	-		CL	6	2	7
87	-		CL	6	10	10
88	-		CL	6	3	4
89	JF		CL	6	5	3
90	-		CL	6	5	3
91	-		Shak	0	10	2
92	-		CL	4	3	3
93	BS		CL	6	3	2
94	-		don't know	don't know	5	4
95	-		Shak	0	3	4

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
79	9	y	y	y	y	x			
80	22	n	n	y	n	x			
81	4	y	y	y	y	x			
82	9	y	y	y	n	x			
83	4	n	n	y	n	x			
84	4	y	y	y	y	x			
85	15	y	n	y	y	x			
86	9	y	n	y	y	x			
87	20	y	n	y	n	x			
88	7	y	y	y	y	x			
89	8	y	y	y	y	x			
90	8	y	y	y	y	x			
91	12	y	y	y	y	x		x	
92	6	y	y	y	y	x		x	
93	5	y	n	y	n	x		x	
94	9	y	n	y	n	x		x	
95	7	y	n	y	n	x		x	

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
79	x		x					
80	x		x					
81	x		x					
82	x		x					
83			x					
84	x		x					
85	x		x					
86	x		x					
87	x		x					
88	x						x	
89	x		x					
90	x		x					
91	x				x			
92	x		x					
93	x				x			
94	x				x			
95	x		x					

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
96	7/11/08	Kukuo	1.36	y	s	n	f	28	LL son wife
97	7/11/08	Kukuo	1.36	y	s	n	f	30	LL wife
98	7/11/08	Adubihiyili	1.14	y	s	n	m	20	chief grandson
99	7/11/08	Datoyili	1.14	y	s+z	n	f	60	chief wife
100	7/13/08	Shishegu	0.53	y	s+z	y	f	50	chief wife
101	7/13/08	Shishegu	0.53	n	s+z	n	f	20	LL daughter
102	7/13/08	Wovugu	1.55	y	s	n	f	55	chief wife
103	7/13/08	Wovugu	1.55	y	s	y	f	40	LL wife
104	7/13/08	Kpawumo	1.55	y	s	n	f	25	chief son wife
105	7/14/08	Kalpohini	0.97	y	z	n	f	25	LL bro wife
106	7/14/08	Kalpohini	0.97	y	s	n	f	45	LL wife
107	7/14/08	Kalpohini	0.97	y	z	y	m	24	LL son
108	7/14/08	Kalpohini	0.97	y	s+z	n	f	30	LL wife
109	7/14/08	Kalpohini	0.97	y	s+z	n	f	45	LL wife
110	7/14/08	Kalpohini	0.97	y	s	n	f	40	LL wife
111	7/14/08	Kalpohini	0.97	y	s	y	f	50	LL wife
112	7/14/08	Kalpohini	0.97	y	z	y	m	48	LL

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
96	y	y	10	n	n	n	y	n
97	y	y	12	y	y	y	y	y
98	n	y	8	y	n	n	y	n
99	n	n	0	n	n	n	n	n
100	y	y	18	y	n	y	y	y
101	y	y	12	n	n	y	y	n
102	y	y	24	n	n	n	y	n
103	y	y	4	y	n	n	y	n
104	n	n	0	y	n	n	y	n
105	y	y	10	y	n	n	y	n
106	y	n	48	y	n	n	y	n
107	y	y	24	n	n	y	y	n
108	y	y	6	y	n	y	y	n
109	y	n	0	n	n	n	y	n
110	y	n	4	y	n	y	y	y
111	y	n	0	n	n	n	y	n
112	y	y	6	n	n	y	y	n

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
96	BP	4 mos ago	CL	6	3	3
97	-		CL	6	5	5
98	JF		Shak	0	6	7
99	NN		Shak	0	10	20
100	-		Shak	0	10	5
101	TS	1 week ago	Shak	0	10	5
102	BP	4 days ago	CL	0	5	10
103	other	2 months ago	CL	don't know	1	1
104	NN	2 months ago	CL	0	5	3
105	JF	today	CL	6	5	6
106	BT	1 month ago	CL	6	5	3
107	NN		CL	6	7	2
108	T		CL	don't know	5	3
109	JF	1 day ago	CL	6	5	4
110	-		Gbalahi	6	6	4
111	BP	1 month ago	Gbalahi	6	4	4
112	other	2 months ago	CL	6	0	1



HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
96	6	y	y	y	n	x		x	
97	10	y	y	y	y	x		x	
98	13	y	y	y	y	x		x	
99	30	y	n	y	n	x			
100	15	n	n	n	n	x		x	x
101	15	y	n	n	n	x		x	x
102	15	n	n	y	y	x			x
103	2	n	n	n	n	x			x
104	8	n	n	y	n	x			x
105	11	n	n	y	y	x		x	x
106	8	y	y	y	y	x		x	x
107	9	y	n	n	n	x		x	
108	8	y	n	n	n	x			x
109	9	y	n	y	n	x		x	
110	10	y	y	y	n	x			x
111	8	y	n	n	n	x		x	
112	1	n	n	y	n	x		x	

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
96	x		x					
97	x				x			
98	x		x					
99	x	x						x
100	x					x		
101	x				x			
102	x					x		
103						x		
104	x		x					
105					x			
106	x				x			
107					x			
108	x						x	
109			x					
110	x					x		
111					x			
112	x							x

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
113	7/14/08	Kalpohini	0.97	y	z	n	m	30	CL
114	7/15/08	Kunyavili	0.97	y	s+z	n	f	26	LL wife
115	7/15/08	Dungu Yeshee	0.76	y	z	y	f	27	LL wife
116	7/16/08	Dungu Yeshee	0.74	y	z	y	m	32	LL
117	7/16/08	Sagnarigu	0.97	y	s+z	y	m	23	chief son
118	7/16/08	Sagnarigu	0.97	y	s+z	n	m	24	LL son
119	7/16/08	Sagnarigu	0.97	y	s+z	n	f	35	LL wife
120	7/16/08	Sagnarigu	0.97	y	s+z	n	f	22	LL bro wife
121	7/16/08	Sagnarigu	0.97	y	s+z	n	f	40	LL wife
122	7/16/08	Sagnarigu	0.97	y	s+z	n	f	21	LL bro wife
123	7/16/08	Sagnarigu	0.97	y	s	n	m	60	LL
124	7/16/08	Sagnarigu	0.97	y	s	n	m	27	LL bro
125	7/16/08	Sagnarigu	0.97	y	s	n	m	30	LL bro
126	7/16/08	Sagnarigu	0.97	y	s+z	n	f	30	LL daughter
127	7/16/08	Sagnarigu	0.97	y	s+z	y	m	27	LL son
128	7/16/08	Gbanyamni	0.56	y	z	y	f	17	LL daughter
129	7/16/08	Gbanyamni	0.56	y	s+z	n	m	26	LL

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
113	y	y	0	y	n	n	y	n
114	y	y	8	n	n	n	y	n
115	y	y	5	y	n	n	y	n
116	y	y	4	n	n	y	y	n
117	y	y	0	n	n	n	y	n
118	n	y	0	n	n	n	y	n
119	y	y	6	n	n	y	y	n
120	y	y	6	n	n	y	y	n
121	y	y	6	n	n	y	y	n
122	n	n	0	n	n	n	y	n
123	y	y	4	y	y	y	y	y
124	y	n	12	y	y	n	y	n
125	n	y	0	n	n	n	y	n
126	n	n	0	y	n	n	y	n
127	y	y	24	n	n	n	y	n
128	y	y	12	n	n	y	y	n
129	y	y	12	y	n	y	y	y

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
113	NN	2 months ago	Shak	0	4	2
114	NN	1 week ago	Shak	6	4	2
115	BT	2 days ago	CL	don't know	2	2
116	other	2 weeks ago	CL	6	3	2
117	JF	2 days ago	Shak	4	3	2
118	NN	1 year ago	CL	7	0	0
119	JF		CL	6	5	1
120	BP	2 mos ago	CL	6	4	3
121	BP	2 mos ago	CL	6	6	4
122	NN	2 mos ago	CL	don't know	0	2
123	-		Peter Alhassar	6	6	4
124	JF		CL	6	5	7
125	NN		CL	6	0	0
126	NN	2 mos ago	CL	don't know	4	5
127	NN	2 mos ago	CL	6	5	7
128	other	yesterday	CL	don't know	4	3
129	-		CL	6	5	3

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
113	6	y	y	y	n	x			x
114	6	y	n	y	n	x		x	x
115	4	n	n	n	n	x			x
116	5	y	n	y	y	x		x	x
117	5	n	n	n	n			x	x
118	0	y	n	y	y			x	x
119	6	n	n	n	n	x			x
120	7	n	n	n	n	x			x
121	10	y	n	y	n	x			x
122	2	y	n	y	n	x			x
123	10	y	y	y	y	x			
124	12	y	y	y	y	x			
125	0	y	y	y	y	x			
126	9	y	n	y	n	x		x	
127	12	n	n	y	y	x		x	x
128	7	y	n	y	n	x			x
129	8	y	n	y	y	x			x

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
113								x
114	x					x		
115	x		x					
116	x					x		
117						x		
118					x			
119	x					x		
120	x					x		
121	x						x	
122	x		x					
123	x		x					
124	x		x					
125	x		x					
126	x				x			
127	x				x			
128	x		x					
129	x		x			x		

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
130	7/16/08	Gbanyamni	0.56	y	z	y	m	22	LL son
131	7/17/08	Kpanvo	0.95	y	s	n	m	50	LL
132	7/17/08	Kpanvo	0.95	y	s	n	f	30	LL wife
133	7/17/08	Kpanvo	0.95	y	s+z	n	f	50	LL wife
134	7/17/08	Kpanvo	0.95	y	s+z	n	f	33	LL wife
135	7/17/08	Kpanvo	0.95	y	z	n	f	28	LL wife
136	7/17/08	Kpanvo	0.95	y	s+z	n	f	28	chief son wife
137	7/17/08	Kpanvo	0.95	y	z	n	f	35	LL wife
138	7/17/08	Kpanvo	0.95	y	s	n	m	15	LL bro newpnew
139	7/18/08	Tugu	0.74	y	s	n	m	25	chief son
140	7/18/08	Tugu	0.74	y	s	y	f	50	LL wife
141	7/18/08	Tugu	0.74	y	s	n	m	52	LL
142	7/18/08	Tugu	0.74	y	s	y	m	25	LL son
143	7/19/08	Taha	1.55	y	s	n	f	30	LL wife
144	7/19/08	Taha	1.55	y	s	n	f	15	LL daughter
145	7/19/08	Taha	1.55	y	s	n	f	65	LL wife
146	7/19/08	Taha	1.55	y	s+z	n	f	25	LL son wife



HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
130	y	y	10	y	y	y	y	y
131	y	y	3	y	y	y	y	y
132	y	y	3	y	n	y	y	y
133	n	n	8	n	y	y	y	n
134	n	n	5	y	n	n	y	n
135	y	y	2	n	n	n	y	n
136	y	y	1	y	n	n	y	n
137	n	n	0	y	n	n	y	n
138	y	y	3	y	y	y	y	y
139	y	y	6	n	n	y	y	n
140	y	y	0	n	n	n	y	n
141	y	y	24	y	y	y	y	y
142	y	y	12	y	y	y	y	y
143	y	y	5	y	y	y	y	y
144	n	y	6	y	n	n	y	n
145	n	y	3	y	n	y	y	y
146	n	y	0	n	n	n	y	n

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
130	-		CL	6	1	2
131	-		CL	6	3	2
132	-		Shak	6	6	3
133	NN		CL	6	0	1
134	NN	2 days ago	CL	6	5	3
135	NN	2 mos ago	CL	6	4	2
136	JF	this morning	Shak	0	4	5
137	NN	2 mos ago	CL	6	9	4
138	-		don't know	don't know	5	4
139	BP	2 mos ago	CL	0	6	4
140	other	yesterday	CL	6	2	7
141	-		CL	6	6	3
142	-		Shak	0	7	6
143	-		CL	don't know	3	4
144	T	3 months	CL	don't know	7	3
145	-		CL	don't know	3	2
146	BS	1 month ago	CL	6	2	3

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
130	3	y	n	y	n	x			x
131	5	y	n	y	y	x			x
132	9	y	y	y	y	x			x
133	1	y	n	y	y	x			x
134	8	n	n	y	y	x			
135	6	y	n	y	y	x			x
136	9	n	n	y	y	x			
137	13	n	n	y	y	x			
138	9	y	n	y	n	x			x
139	10	y	n	y	n	x			
140	9	y	y	n	n	x			x
141	9	y	y	n	n	x			x
142	13	y	n	n	n	x			x
143	7	y	y	y	y	x			x
144	10	y	y	y	y	x			x
145	5	y	n	n	n	x			x
146	5	y	n	y	n	x			x

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
130	x		x					
131	x		x					
132			x					
133	x						x	
134	x						x	
135	x					x		
136	x						x	
137	x						x	
138	x		x					
139	x						x	
140	x					x		
141	x		x					
142	x		x					
143	x		x					
144	x					x		
145	x						x	
146	x		x					

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
147	7/19/08	Taha	1.55	y	s	y	f	50	LL wife
148	7/19/08	Taha	1.55	y	s	n	f	60	chief wife
149	7/19/08	Taha	1.55	y	s+z	n	f	23	LL son wife
150	7/19/08	Taha	1.55	y	s	y	f	40	LL wife
151	7/20/08	Kalariga	1.65	y	s	y	f	45	chief wife
152	7/20/08	Kalariga	1.65	y	s+z	y	m	65	LL
153	7/20/08	Kalariga	1.65	y	s+z	n	f	35	LL wife
154	7/20/08	Kalariga	1.65	n	z	n	m	43	LL
155	7/20/08	Kalariga	1.65	y	s+z	n	f	47	LL wife
156	7/20/08	Kalariga	1.65	y	s+z	n	f	33	LL wife
157	7/20/08	Kalariga	1.65	y	s+z	n	f	30	LL wife
158	7/20/08	Kalariga	1.65	y	s+z	n	f	50	LL wife
159	7/20/08	Kalariga	1.65	y	s+z	y	f	50	LL wife
160	7/20/08	Kalariga	1.65	y	s+z	n	f	60	LL wife
161	7/21/08	Tolugu	1.04	y	s	n	f	55	chief sister
162	7/21/08	Tolugu	1.04	y	s	n	f	28	chief wife
163	7/21/08	Tolugu	1.04	y	s	n	f	60	LL

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
147	y	y	12	y	n	y	y	y
148	n	n	0	y	y	n	y	y
149	y	y	24	y	y	y	y	n
150	y	y	12	y	n	y	y	y
151	y	y	10	n	n	y	y	n
152	y	y	10	y	y	y	y	y
153	y	n	0	y	n	n	y	n
154	y	y	3	n	n	n	y	n
155	y	y	36	y	y	y	y	y
156	y	y	12	y	n	y	y	y
157	y	y	10	y	n	y	y	y
158	y	y	8	y	y	n	y	n
159	y	y	5	y	n	y	y	y
160	y	y	0	n	n	n	y	n
161	y	y	12	y	n	y	y	y
162	n	y	2	y	y	n	y	n
163	y	y	12	y	y	y	y	y

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
147	-		CL	6	6	3
148	-		Shak	0	7	1
149	JF	today	CL	don't know	0	6
150	-		CL	0	2	2
151	other	today	Shak	6	4	6
152	-		CL	0	0	1
153	NN	1 month ago	CL	0	5	8
154	NN	2 months ago	CL	0	3	2
155	-		CL	0	2	6
156	-		CL	0	4	2
157	-		CL	0	4	2
158	JF	this morning	CL	0	7	8
159	-		CL	0	1	8
160	BP	2 months 10 days ago	CL	0	6	9
161	-		Shak	0	2	1
162	JF	today	Shak	0	4	3
163	-		don't know	0	3	2

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
147	9	n	n	y	n	x			x
148	8	y	y	y	y	x			
149	6	n	n	y	n	x			
150	4	y	n	y	y	x		x	
151	10	y	y	y	y	x		x	
152	1	y	y	y	y	x		x	
153	13	y	n	y	y	x			
154	5	y	y	y	y			x	
155	8	y	n	y	y	x		x	
156	6	y	n	y	n	x		x	
157	6	y	y	y	y	x			
158	15	y	y	y	y	x			
159	9	y	y	y	y	x		x	
160	15	y	n	y	n	x		x	
161	3	y	n	y	y	x			
162	7	y	n	y	n	x			
163	5	y	n	y	n	x			



HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
147	x		x					
148	x		x					
149	x		x					
150			x					
151	x				x			
152	x				x			
153	x		x					
154					x			
155	x		x					
156	x		x					
157	x						x	
158	x		x					
159	x						x	
160	x		x					
161	x		x			x		
162	x		x					
163	x		x					

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
164	7/21/08	Tolugu	1.04	y	s	n	f	50	LL wife
165	7/21/08	Tolugu	1.04	y	s	y	f	45	LL wife
166	7/21/08	Tolugu	1.04	y	s	n	f	50	LL wife
167	7/21/08	Tolugu	1.04	y	s+z	n	f	45	LL wife
168	7/21/08	Tolugu	1.04	y	s+z	n	m	30	LL son
169	7/21/08	Tolugu	1.04	y	s	n	m	22	LL
170	7/21/08	Tolugu	1.04	y	s+z	n	f	70	LL wife
171	7/21/08	Tolugu	1.04	y	s+z	n	m	70	LL
172	7/21/08	Tolugu	1.04	y	s	n	f	32	LL wife
173	7/21/08	Tolugu	1.04	y	s	n	f	27	LL wife
174	7/22/08	Kakpagayelli	0.91	y	s	n	m	70	LL
175	7/22/08	Kakpagayelli	0.91	y	s+z	n	f	45	LL wife
176	7/22/08	Kakpagayelli	0.91	y	s	n	f	75	LL wife
177	7/22/08	Kakpagayelli	0.91	n	s	n	f	12	LL daught
178	7/22/08	Kakpagayelli	0.91	y	s+z	y	m	15	LL son
179	7/22/08	Kakpagayelli	0.91	y	s+z	n	f	35	LL wife
180	7/23/08	Tampion	1.36	y	s+z	n	f	44	LL daughter

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
164	y	y	18	y	y	y	y	y
165	y	y	14	n	n	y	y	n
166	y	y	14	y	y	y	y	y
167	y	y	13	n	n	y	y	n
168	y	y	10	y	n	y	y	y
169	y	y	10	n	n	y	y	n
170	y	y	10	n	n	n	y	n
171	y	y	12	y	y	n	y	n
172	y	y	12	y	y	y	y	y
173	y	y	12	y	y	n	y	n
174	y	y	24	y	n	y	y	y
175	y	y	4	y	n	y	y	y
176	y	n	12	n	n	y	y	n
177	y	y	6	y	n	y	y	y
178	y	y	10	y	y	y	y	y
179	y	y	24	n	n	y	y	n
180	y	y	12	y	n	y	y	y

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
164	-		Shak	0	4	2
165	BP	always broken?	Shak	0	3	1
166	-		Shak	0	10	6
167	BP	always broken?	Shak	0	6	4
168	-		Shak	0	1	4
169	BP	always broken?	Shak	0	5	4
170	BP	always broken?	Shak	0	6	10
171	JF	this morning	Shak	0	0	8
172	-		Shak	0	2	2
173	other	yesterday	Shak	0	7	10
174	-		CL	0	6	2
175	-		CL	6	6	8
176	other	yesterday	CL	don't know	2	3
177	-		CL	don't know	5	5
178	-		CL	6	3	0
179	other	yesterday	CL	6	6	4
180	-		Shak	0	6	3

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
164	6	y	y	y	y	x			
165	4	n	n	n	n	x			
166	16	y	y	y	y	x			
167	10	n	n	n	n	x			
168	5	y	n	y	n	x			
169	9	y	y	y	y	x			
170	16	n	n	n	n	x			
171	8	y	y	y	y	x			
172	4	n	n	n	n	x			
173	17	y	n	y	y	x			
174	8	n	n	y	y	x			
175	14	y	n	y	y	x			
176	5	n	n	y	n	x			
177	10	n	n	y	n	x			
178	3	y	n	y	n	x			
179	10	n	n	y	n	x			
180	9	y	n	y	y	x			x

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
164	x		x					
165	x		x					
166	x						x	
167	x						x	
168	x						x	
169	x						x	
170	x		x					
171	x		x					
172	x		x					
173	x		x					
174	x		x					
175	x						x	
176	x						x	
177	x		x					
178	x						x	
179	x						x	
180	x					x		

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
181	7/23/08	Tampion	1.36	n	s	y	m	50	LL
182	7/23/08	Tampion	1.36	y	z	y	f	40	LL wife
183	7/23/08	Tampion	1.36	y	s+z	y	f	45	LL wife
184	7/23/08	Tampion	1.36	n	s+z	n	m	22	LL son
185	7/23/08	Tampion	1.36	y	s+z	y	f	25	LL wife
186	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	30	LL wife
187	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	45	LL wife
188	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	28	LL wife
189	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	40	LL wife
190	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	48	LL wife
191	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	35	LL wife
192	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	22	LL wife
193	7/24/08	Kpanduah	Not in Sales Records	y	s	y	f	20	LL wife
194	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	32	LL wife
195	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	50	LL wife
196	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	25	LL son wife
197	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	42	LL wife

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
181	n	y	6	y	n	n	y	n
182	y	n	8	y	y	y	y	y
183	y	y	12	y	n	n	y	n
184	y	y	18	n	n	y	y	n
185	n	n	0	n	n	n	y	n
186	y	y	4	y	n	y	y	y
187	y	y	3	y	n	y	y	y
188	y	y	5	y	y	y	y	y
189	n	y	8	n	n	n	y	n
190	y	y	2	y	n	n	n	n
191	y	y	10	y	n	y	y	y
192	y	y	10	y	n	y	y	y
193	n	y	24	y	n	y	y	y
194	n	y	12	n	n	n	y	n
195	n	y	0	n	n	n	y	n
196	y	y	10	y	y	y	y	y
197	y	y	12	y	n	y	y	y



HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
181	T	2 weeks ago	CL	don't know	2	2
182	-		CL	don't know	3	2
183	BT	2 weeks ago	CL	6	6	4
184	BP	15 days ago	don't know	don't know	7	4
185	BP	4 months ago	CL	don't know	5	4
186	-		CL	10	5	2
187	-		CL	10	10	2
188	-		CL	10	2	2
189	BS	3 months ago	CL	10	5	5
190	JF	3 days ago	CL	10	4	4
191	-		CL	10	4	3
192	-		CL	10	0	5
193	-		CL	10	4	2
194	BP	2 months ago	CL	10	7	1
195	other	3 days ago	CL	10	2	7
196	-		CL	10	4	3
197	-		CL	10	3	3

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
181	4	n	n	y	y				x
182	5	n	n	y	n				x
183	10	n	n	y	y	x			x
184	11	y	n	y	n				x
185	9	y	n	y	n	x			x
186	7	y	n	y	y				x
187	12	y	y	y	y	x			x
188	4	y	y	y	n	x			x
189	10	y	n	y	n	x			x
190	8	n	n	y	y	x			x
191	7	y	n	y	y	x			x
192	5	n	n	y	n	x			x
193	6	n	n	y	y	x			x
194	8	n	y	y	y	x			
195	9	y	y	y	y	x			x
196	7	y	y	y	y	x			
197	6	y	y	y	y				x

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
181	x					x	x	
182	x					x		
183	x					x		
184	x					x		
185	x					x		
186	x						x	
187	x						x	
188	x						x	
189							x	
190	x					x		
191	x					x		
192						x		
193						x		
194	x						x	
195	x						x	
196	x						x	
197	x						x	

HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
198	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	24	LL son
199	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	17	LL son
200	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	21	LL son
201	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	25	LL bro
202	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	25	LL wife
203	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	52	LL
204	7/24/08	Kpanduah	Not in Sales Records	y	s	y	m	45	LL
205	7/24/08	Kpanduah	Not in Sales Records	y	s+z	n	f	60	LL mother
206	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	29	LL
207	7/24/08	Kpanduah	Not in Sales Records	y	s	y	m	20	LL son
208	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	65	LL
209	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	40	LL wife
210	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	40	LL wife
211	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	22	LL son wife
212	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	23	LL son
213	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	25	LL brother
214	7/24/08	Kpanduah	Not in Sales Records	y	s+z	y	f	70	LL sister

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
198	y	y	36	y	n	n	y	n
199	y	y	0	n	n	y	y	y
200	y	y	12	y	y	y	y	y
201	n	y	36	y	y	y	y	y
202	n	y	14	y	n	y	y	y
203	y	y	4	n	n	y	y	n
204	y	y	5	y	y	y	y	y
205	y	y	6	y	n	y	y	y
206	y	y	14	y	y	y	y	y
207	y	y	12	y	n	y	y	y
208	y	y	5	y	y	y	y	y
209	y	y	3	n	n	y	y	n
210	y	y	4	y	y	y	y	y
211	y	y	8	y	n	y	y	y
212	y	y	4	y	n	y	y	n
213	y	y	8	y	n	y	y	y
214	y	y	12	y	n	y	y	y

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
198	BT	1 week ago	CL	10	4	1
199	-		CL	10	0	1
200	-		CL	10	0	1
201	-		CL	10	0	1
202	-		CL	10	0	1
203	other	yesterday	CL	10	5	5
204	-		CL	10	2	2
205	-		CL	10	8	6
206	-		Peter Alhassar	10	2	2
207	-		CL	10	6	5
208	-		CL	don't know	7	5
209	other	yesterday	CL	10	4	9
210	-		CL	10	10	12
211	-		CL	10	3	2
212	BT	yesterday	CL	10	10	12
213	-		CL	10	0	1
214	-		CL	10	4	2

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
198	5	y	n	y	y	x			x
199	1	n	n	y	y				x
200	1	n	n	y	y				x
201	1	n	n	y	y				x
202	1	n	n	y	y				x
203	10	n	n	y	y	x			x
204	4	n	n	y	y	x			x
205	14	n	n	y	y				x
206	4	y	n	y	n				x
207	11	y	n	y	n				x
208	12	n	n	y	y				x
209	13	n	n	y	n				x
210	22	n	n	y	y				x
211	5	n	n	y	n				x
212	22	y	n	y	y				x
213	1	y	n	y	y				x
214	6	n	n	y	y				x

HH#	Rainwater	Other	(12) Dugout	Well	Public Pipe	Bore hole	Rainwater	Other
198						x		
199						x		
200						x		
201						x		
202						x		
203	x					x		
204	x						x	
205	x						x	
206	x					x		
207	x					x		
208	x					x	x	
209	x					x		
210	x						x	
211	x						x	
212	x					x		
213	x					x		
214	x						x	



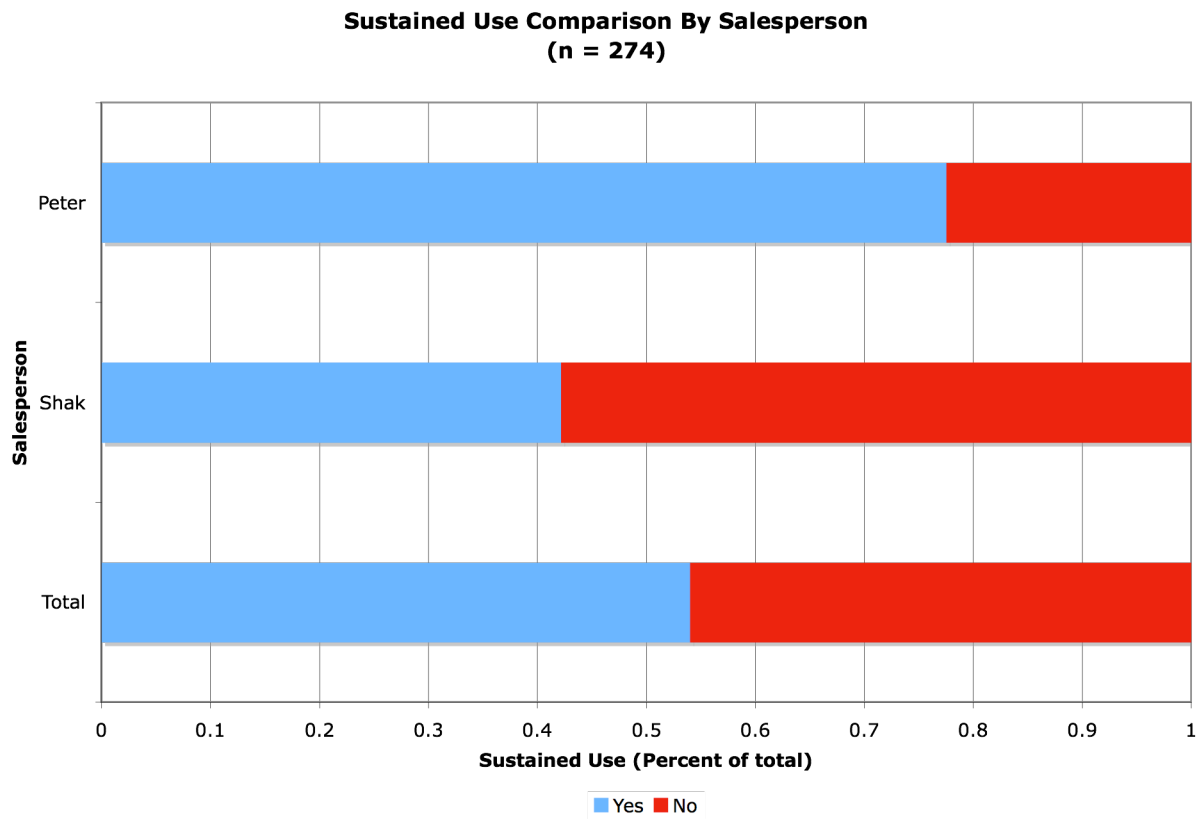
HH#	Date Visited	Village Name	Years Owning Filter	(1) Clean the Filter? (y/n)	Roof Type? (s/z)	Pots Covered (y/n)	Sex? (m/f)	(3) Age	(4) HH Status
215	7/24/08	Kpanduah	Not in Sales Records	n	s	n	f	25	LL wife
216	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	70	LL
217	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	32	LL wife
218	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	50	LL wife
219	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	32	LL son
220	7/24/08	Kpanduah	Not in Sales Records	y	s	n	m	60	LL
221	7/24/08	Kpanduah	Not in Sales Records	y	s	n	f	28	LL son

HH#	(5) Point to Kosim?	Located in access. Place?	~ How high from ground? (in)	Filter installed correctly in unit? (y/n)	Water in pot? (y/n)	Clean Water in SS unit?	Lid on top? (y/n)	Sustained Use? (y/n)
215	y	y	36	y	n	n	y	n
216	y	n	0	n	n	n	y	n
217	y	y	12	y	y	y	y	y
218	y	y	8	n	n	y	y	n
219	y	y	12	y	n	y	y	y
220	y	y	12	y	y	y	y	y
221	y	y	6	y	n	y	y	y

HH#	Why not using? (BP/BT/BS/PL/TS/NN/G W/T/JF/Other)	If BP, when did it break? (months ago)	(6) Who did you purchase from?	(7)How much did you pay?	Children	Adults
215	JF	today	CL	10	3	3
216	other	never used	CL	10	0	0
217	-		CL	10	4	8
218	BP	last month	CL	10	4	4
219	-		Peter Alhassar	10	0	2
220	-		CL	10	7	1
221	-		CL	10	5	2

HH#	Total	(9) Did you receive any training materials? (y/n)	show materials? (y/n)	(10) Did you receive a brush? (y/n)	Show brush (y/n)	(11) Dugout	Well	Public Pipe	Bore hole
215	6	y	n	y	y				x
216	0	n	n	y	n				x
217	12	n	n	y	y				x
218	8	n	n	y	n				x
219	2	n	n	y	y				x
220	8	n	n	y	y				x
221	7	y	n	y	y				x

## Appendix E Comparison of PHW Salespeople Using Pretest and Final Sustained Use Data<sup>29</sup>



<sup>29</sup> Although I interviewed a total of 309 PHW customers, two villages, Taha and Kalariga were visited during both the pretest and the final survey. I only counted these villages once when comparing the data from the pretest and the post test, therefore the graph above only reflects the answers of 274 PHW customers.

## Appendix F Source Water Quality Data

Village	Source Type	Turbidity (TU)	Colilert TC ?	Colilert E.coli?	3M TC Count	3M E.coli count	Total Coliform (CFU/100 mL)	E.Coli (CFU/100 ml)
<b>Gbalabi</b>	Unprotected Dug Well	45	-	-	120	30	12000	3000
	Diluted Unprotected Dug Well (10 to 1)	-	-	-	17	6	17000	6000
	<b>Average Unprotected Dug</b>	-					<b>14500</b>	<b>4500</b>
<b>Tolugu</b>	<b>Rainwater</b>	<b>&lt;5</b>	<b>yes</b>	<b>no</b>	<b>0</b>	<b>0</b>	<b>10 - 99</b>	<b>1-9</b>
	Dugout	300	-	-	104	25	10400	2500
	Diluted Dugout (10 to 1)	-	-	-	14	2	14000	2000
	<b>Average Dugout</b>	-					<b>12200</b>	<b>2250</b>
<b>Kakpagayelli</b>	<b>Rainwater</b>	<b>&lt;5</b>	<b>yes</b>	<b>yes</b>	<b>0</b>	<b>0</b>	<b>10 - 99</b>	<b>10 - 99</b>
	Dugout	500	-	-	88	7	8800	700
	Diluted Dugout (10 to 1)	-	-	-	8	2	8000	2000
	<b>Average Dugout</b>	-					<b>8400</b>	<b>1350</b>
<b>Chesenshegu/Dohini</b>	<b>Rainwater</b>	<b>&lt;5</b>	<b>yes</b>	<b>yes</b>	<b>51</b>	<b>1</b>	<b>5100</b>	<b>100</b>
	Dugout	900	-	-	TNTC	0	TNTC	1-99
	Diluted Dugout (10 to 1)	-	-	-	8	0	8000	1-99
	<b>Average Dugout</b>	-					<b>8000</b>	<b>1-99</b>
<b>Dungu/Dungu Yapalsi</b>	Dugout	150	-	-	TNTC	44	TNTC	4400
	Diluted Dugout (10 to 1)	-	-	-	41	7	41000	7000
	<b>Average Dugout</b>	-					<b>41000</b>	<b>7000</b>
	Unprotected Dug Well	200	-	-	TNTC	TNTC	TNTC	TNTC
	Diluted Unprotected Dug Well (10 to 1)	-	-	-	88	32	88000	32000
	<b>Average Unprotected Dug</b>	-					<b>88000</b>	<b>32000</b>
	<b>Rainwater</b>	<b>&lt;5</b>	<b>yes</b>	<b>yes</b>	<b>97</b>	<b>13</b>	<b>9700</b>	<b>1300</b>
<b>Tutengli</b>	<b>Rainwater</b>	<b>&lt;5</b>	<b>yes</b>	<b>yes</b>	<b>133</b>	<b>0</b>	<b>13300</b>	<b>10 - 99</b>
	Unprotected Dug Well	300	-	-	TNTC	TNTC	TNTC	TNTC
	Diluted Unprotected Dug Well (10 to 1)	-	-	-	68	7	68000	7000
	<b>Average Unprotected Dug</b>	-					<b>68000</b>	<b>7000</b>
	Dugout	170	-	-	TNTC	37	TNTC	3700

Village	Source Type	Turbidity (TU)	Colilert TC ?	Colilert E.coli?	3M TC Count	3M E.coli count	Total Coliform (CFU/100 mL)	E.Coli (CFU/100 ml)
<b>Tutengli</b>	Diluted Dugout (10 to 1)	-	-	-	28	6	28000	6000
	<b>Average Dugout</b>	-					<b>28000</b>	<b>4850</b>
<b>Fooshegu</b>	<b>Rainwater</b>	<b>&lt;5</b>	<b>yes</b>	<b>no</b>	<b>TNTC</b>	<b>0</b>	<b>32000</b>	<b>1-9</b>
	Dugout	180	-	-	42	4	4200	400
	Diluted Dugout (10 to 1)	-	-	-	2	1	2000	1000
	<b>Average Dugout</b>	-					<b>3100</b>	<b>700</b>
<b>Wulanyili</b>	Dugout	15	-	-	18	1	1800	100
	Diluted Dugout (10 to 1)	-	-	-	2	0	2000	1-99
	<b>Average Dugout</b>	-					<b>1900</b>	<b>99.5</b>
<b>Kukuo</b>	Dugout	500	-	-	34	1	3400	100
	Diluted Dugout (10 to 1)	-	-	-	6	0	6000	0
	<b>Average Dugout</b>	-					<b>4700</b>	<b>50</b>
<b>Shishegu</b>	Unprotected Dug Well	10	-	-	60	17	6000	1700
	Diluted Unprotected Dug Well (10 to 1)	-	-	-	7	3	7000	3000
	<b>Average Unprotected Dug</b>	-					<b>6500</b>	<b>2350</b>
<b>Kalphonini</b>	Unprotected Dug Well	75	-	-	120	30	12000	3000
	Diluted Unprotected Dug Well (10 to 1)	-	-	-	25	2	25000	2000
	<b>Average Unprotected Dug</b>	-					<b>18500</b>	<b>2500</b>
<b>Sagnarigu</b>	Dugout	800	-	-	6	0	600	1-99
	Diluted Dugout (10 to 1)	-	-	-	0	0	1-999	1-999
	<b>Average Dugout</b>	-					<b>600</b>	<b>549</b>
<b>Gbanyamni</b>	Dugout	15	-	-	36	3	3600	300
<b>Gbanyamni</b>	Diluted Dugout (10 to 1)	-	-	-	7	0	7000	<1000
	<b>Average Dugout</b>	-					<b>5300</b>	<b>649.5</b>
<b>Kpanvo</b>	Dugout	55	-	-	47	1	4700	100
	Diluted Dugout (10 to 1)	-	-	-	7	0	7000	0
	<b>Average Dugout</b>	-					<b>5850</b>	<b>50</b>

Village	Source Type	Turbidity (TU)	Colilert TC ?	Colilert E.coli?	3M TC Count	3M E.coli count	Total Coliform (CFU/100 mL)	E.Coli (CFU/100 ml)
<b>Tugu</b>	Dugout	75	-	-	165	0	16500	1-99
	Diluted Dugout (10 to 1)		-	-	19	0	19000	0
	<b>Average Dugout</b>	-					<b>17750</b>	<b>49.5</b>
<b>Taha</b>	Dugout	700	-	-	51	5	5100	500
	Diluted Dugout (10 to 1)	-	-	-	10	2	10000	2000
	<b>Average Dugout</b>	-					<b>7550</b>	<b>1250</b>
<b>Kalariga</b>	<b>Rainwater</b>	<b>&lt;5</b>	<b>yes</b>	<b>yes</b>	<b>23</b>	<b>3</b>	<b>2300</b>	<b>300</b>
	Dugout	300	-	-	TNTC	1	-	100
	Diluted Dugout (10 to 1)	-	-	-	20	0	20000	0
	<b>Average Dugout</b>	-					<b>20000</b>	<b>50</b>
<b>Tampion</b>	Unprotected Dug Well	<5	no	no	0	0	1-9	1-9

## Appendix G Household Water Quality Data

Village	HH#	Turbidity (TU)	Colilert TC	Colilert E.coli	3M TC Count	3M E.coli Count	TC (CTU / 100 mL)	E.coli (CTU / 100 mL)
<b>Gbalabi</b>	5	<5	no	no	0	0	1-9	<10
	12	<5	yes	yes	31	0	3100	10-99
<b>Tolugu</b>	19	<5	no	no	1	0	100	1-9
<b>Kakpagayelli</b>	23	<5	-	-	2	0	200	1-99
	24	<5	no	no	0	0	1-9	10-99
	25	<5	yes	yes	12	2	1200	200
	26	<5	yes	yes	7	0	700	10-99
	27	<5	yes	yes	36	4	3600	400
	30	<5	no	no	0	0	1-9	1-9
	31	<5	-	-	0	0	1-99	1-99
	32	<5	yes	no	0	0	10-99	1-9
	33	<5	yes	no	0	0	10-99	1-9
	36	<5	yes	no	0	0	10-99	1-9
<b>Chesenshegu</b>	37	<5	yes	yes	6	0	600	10-99
	38	<5	yes	no	0	0	10-99	1-9
	39	<5	yes	yes	1	0	100	10-99
	40	<5	yes	yes	0	0	10-99	10-99
	42	<5	yes	no	1	0	100	1-9
	43	<5	yes	yes	36	0	3600	10-99
	45	<5	yes	yes	73	0	7300	10-99
	46	<5	yes	no	0	0	10-99	1-9
<b>Dungu</b>	51	<5	yes	yes	0	0	10-99	10-99
	52	<5	no	yes	0	0	1-9	10-99
	57	<5	yes	yes	1	0	100	10-99
<b>Tutengli and Fooshegu</b>	65	<5	yes	no	2	0	200	1-9
	66	<5	no	no	0	0	1-9	1-9
	67	<5	yes	no	18	0	1800	1-9
	68	<5	yes	no	3	0	300	1-9
	70	<5	no	no	0	0	1-9	1-9
	72	<5	yes	yes	69	0	6900	10-99
	73	<5	yes	no	TNTC ~ 660	1	66000	100
	74	<5	yes	yes	35	0	35000	10-99
	79	<5	yes	no	3	0	300	1-9
<b>Wulanyili</b>	80	<5	yes	yes	0	0	10-99	10-99
	81	<5	yes	yes	60	0	6000	10-99
	83	<5	no	no	0	0	1-9	1-9
	84	<5	yes	no	TNTC ~ 320	0	32000	1-9
	85	<5	yes	no	1	0	100	1-9
	86	<5	yes	no	2	0	200	1-9
	87	<5	yes	no	0	0	10-99	1-9
	88	<5	yes	yes	30	1	3000	100
	91	<5	yes	yes	101	5	10100	500
<b>Kukuo</b>	92	<5	yes	yes	TNTC ~ 740	8	74000	800
	94	<5	no	no	0	0	1-9	1-9
	97	<5	yes	yes	TNTC ~ 460	0	46000	10-99
<b>Shisegu</b>	100	<5	yes	yes	70	0	7000	10-99

Village	HH#	Turbidity (TU)	Colilert TC	Colilert E.coli	3M TC Count	3M E.coli Count	TC (CTU / 100 mL)	E.coli (CTU / 100 mL)
Kalphonini	110	<5	no	no	0	0	1-9	1-9
Sagnarigu and Gbanyamni	123	<5	yes	yes	8	0	800	10-99
	129	<5	no	no	0	0	1-9	1-9
	130	<5	yes	no	72	0	7200	1-9
Kpanvo	131	<5	yes	no	0	0	10-99	1-9
	132	<5	yes	no	23	0	2300	1-9
	138	<5	yes	no	0	0	10-99	1-9
Tugu	141	<5	yes	yes	TNTC~ 340	9	34000	900
	142	<5	yes	yes	TNTC ~ 600	17	60000	1700
Taha	143	<5	yes	yes	2	0	200	10-99
	145	<5	yes	no	4	0	400	1-9
	147	<5	no	no	0	0	1-9	1-9
	150	<5	yes	no	1	0	100	1-9
	149	<5	no	no	0	0	1-9	1-9
Kalariga	152	<5	no	no	0	0	1-9	1-9
	156	<5	no	no	0	0	1-9	1-9
	157	<5	no	no	0	0	1-9	1-9
	159	<5	no	no	0	0	1-9	1-9
Tolugu	161	<5	yes	yes	TNTC ~ 180	3	18000	1-9
	163	<5	yes	no	41	0	4100	1-9
	164	<5	yes	yes	TNTC ~ 160	0	16000	10-99
	166	<5	yes	yes	8	1	800	100
	168	<5	yes	no	0	0	10-99	1-9
	172	<5	yes	no	11	0	1100	1-9
Kakpagayelli	174	<5	yes	yes	4	0	400	10-99
	174	<5	no	no	0	0	1-9	1-9
	177	<5	yes	no	0	0	10-99	1-9
	178	<5	no	no	0	0	1-9	1-9
Tampion	180	<5	no	no	0	0	1-9	1-9
	182	<5	yes	no	0	0	10-99	1-9