

**STRICTLY CONFIDENTIAL**

University of Oxford - CIAT  
REACH

Questionnaire  
Number

**INTRAHOUSEHOLD DECISION MAKING AND WATER CHOICES WITHIN A RURAL CONTEXT**

THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY.

**Enumerator Team Identification**

Supervisor

Enumerator

B01. HOUSEHOLD IS ORIGINAL SAMPLE YES 1 NO 2

**HOUSEHOLD IDENTIFICATION**

WRITE CODES FOR TA, STA, OR TOWN; EA; AND HH ID. WRITE NAME OF DISTRICT; TA; VILLAGE; AND HOUSEHOLD HEAD.

	CODE	NAME
SUB-COUNTY: FROM LISTING	<input type="text"/>	<input type="text"/>
Location: FROM LISTING	<input type="text"/>	<input type="text"/>
Sub-location: FROM LISTING	<input type="text"/>	<input type="text"/>
VILLAGE NAME: FROM LISTING	<input type="text"/>	<input type="text"/>
Household ID: From Lising	<input type="text"/>	<input type="text"/>
NAME OF HOUSHOLD HEAD: FROM LISTING	<input type="text"/>	<input type="text"/>
(Introduction and consent for household head)	<input type="text"/>	<input type="text"/>
PHONE NUMBER FOR HOUSEHOLD HEAD: FROM LISTING	<input type="text"/>	<input type="text"/>
(Time Stamp added to indicate start time of household questionnaire)	<input type="text"/>	<input type="text"/>

B02. DESCRIPTION OF HOUSEHOLD'S LOCATION

*RESPONDENT: Individual who is well informed about the household's water portfolio, such as where to get water, who collects the water, how much is collected, and how it is used in the household.*

**PRIMARY RESPONDENT IDENTIFICATION**

B03. NAME OF PRIMARY INFORMANT:

B05. SEX OF PRIMARY INFORMANT

B06. RELATION TO HOUSEHOLD HEAD ON LISTING

Are you the primary enumerator for this household? Yes/No

Is there another enumerator for this household? Yes/No

Who is the secondary enumerator for this household?

## **00. INTRODUCTION TO THE HOUSEHOLD TO BE INTERVIEWED**

### **CONVEY THE FOLLOWING INFORMATION TO THE RESPONDENT:**

Thank you for the opportunity to speak with you. We are a research team from CIAT working with the REACH group within the University of Oxford.

We are conducting a survey to learn about decision-making on water choices within the household, as well as land, livestock, assets, and livelihoods. Your household has been randomly selected to participate in an interview, for which your answers will inform our research. The survey includes both a section to be asked about the household generally, and an individual section, which will be asked to every individual 18 years and older in the household.

Your participation is entirely voluntary. You can choose to not answer any question, and may withdraw from the interview at any point if you wish. Your answers will be completely confidential; we will not share information that identifies you. We will not share your answers with anyone outside the research team. We will not tell other household or community members how you responded.

As the Individual who is well informed and makes decisions about the household's water portfolio, such as where to get water, who collects the water, how much is collected, and how it is used in the household, we would like to ask you the questions in the household section.

Before I start, do you have any questions or is there anything which I have said on which you would like any further clarification?

May I proceed with interviewing you and members of your household?

CONSENT\_HH

A12:

Yes ..... 1

No.....2

ENUMERATOR INSTRUCTION: The household interview can be conducted with others present but we would like to know who else is present or nearby (in the same room or space where the interview is being conducted).

OTHERS\_PRES

A13:

Is anyone else present at the start of the interview?

Yes ..... 1

No.....2

## PART 1. HOUSEHOLD QUESTIONNAIRE

**PRIMARY INFORMANT:** Individual who is well informed and makes decisions about the household's water portfolio, such as where to get water, who collects the water, how much is

ENUMERATOR: MAKE A COMPLETE LIST OF ALL INDIVIDUALS WHO RESIDE IN THE SAME HOMESTEAD OR COMPOUND, AND OFTEN LIVE AND EAT THEIR MEALS TOGETHER OR SHARE RESPONSIBILITIES AND TASKS. BEGIN WITH THE RESPONDENT. **NOTE:** IF THE COMPOUND IS MADE UP OF CO-WIVES INCLUDE AS A SINGLE HOUSEHOLD REGARDLESS OF WHETHER THEY SHARE MEALS.

## 01. HOUSEHOLD ROSTER

HH_id	HH_member	HH_relation	HH_sex	HH_age	HH_away	HH_reason_away	HH_why_member
B01	B02	B03	B04	B05	B06	B06a	B06b
ID CODE	ENUMERATOR: MAKE A COMPLETE LIST OF ALL INDIVIDUALS WHO RESIDE IN THE SAME HOMESTEAD OR COMPOUND, AND OFTEN LIVE AND EAT THEIR MEALS TOGETHER OR SHARE RESPONSIBILITIES AND TASKS. BEGIN WITH THE RESPONDENT. <b>NOTE: IF THE COMPOUND IS MADE UP OF CO-WIVES INCLUDE AS A SINGLE HOUSEHOLD REGARDLESS OF WHETHER THEY SHARE MEALS.</b>	What is [PERSON]'s relationship to the respondent? <b>INSTRUCTIONS FOR ENUMERATOR:</b> DO NOT READ RESPONSES UNLESS NEEDED FOR CLARIFICATION. ASK THE QUESTION AND NOTE THE APPROPRIATE RESPONSE CATEGORY.	Indicate [PERSON's] sex.	How old was [PERSON] at their last birthday?  IF UNDER 1 YEAR, WRITE 0.	For how many months during the last 12 months was [PERSON] away from (or not part of) the household?	If HH_away=6 months: Why was the person away or not in the household for 6 months or more?	If HH_away=6 AND HH_reason_away=3 OR 88: Why is this person listed as a household member?
	Self 1	Male 1	Infant 1			MULTIPLE RESPONSES POSSIBLE.	
	*The definition of household in Kenya: A 'household' refers to a person or group of persons who reside in the same homestead/compound but not necessarily in the same dwelling unit, and have same cooking arrangements [much of the time], ... (KPHC 2019)	Spouse or partner 2	Female 2	Newly married or new to household 2	They make key household decisions 1		
	Daughter/ son 3	Away for work long-term 3	They contribute significantly to household finances 2				
	Son-in-law or daughter-in-law 4	Student away for studies 4	Other (specify) 88				
	Grandchild 5	long-term (e.g. boarding school) 4					
	Mother/ father 6	Other (specify) 88					
	Mother/ father-in-law 7						
	Sister/ brother 8						
	Adopted or foster child 9						
	Stepchild 10						
	Niece/ nephew 11						
	Uncle/ aunt 12						
	Sister/ brother-in-law 13						
	Grandparent 14						
	Other relative 15						
	Domestic employee who lives with the household 16						
	Other employee who lives with the household 17						
	Other non-relative 18						
	Co-wife 19						
Employer 20							
Cousin 21							
Other (specify) 88							
				AGE (YEARS)	MONTHS		
1							
2							
3							
4							
5							
6							
7							
8							
9							

IN THE COMPUTER ASSISTED PROGRAM: PLEASE ALLOW THE LIST TO BE UPTO 30 HOUSEHOLD MEMBERS

[illegible]



DW_fuel C09	DW_toilet_type C10	DW_toilet_shared C11	DW_toilet_location C12
What type of fuel does your household mainly use for cooking?	What type of toilet facilities do members of your household use?	Is the toilet facility shared with other households?	Where is the toilet located?
Electricity 1	Flush toilet to piped sewer system 1		Compound or dwelling 1
LPG\Natural gas 2	Flush/pour toilet to septic tank 2	Yes 1	Neighbor's compound 2
Biogas 3	Flush/pour to pit latrine 3	No 2	
Paraffin/ Kerosene 4	Flush, but does not know where 4		Community area 3
Coal, Lignite 5	Open pit/ pit latrine without slab 5		
Charcoal 6	Pit latrine with slab 6		
Wood/ fire wood 7	Ventilated improved pit latrine 7		
Straw/ Shrubs/ Grass 8	Composting toilet 8		
Agricultural crop 9	Bucket 9		
Animal dung 10	Hanging toilet/ latrine 10		
No food cooked in household 87	No facility/ bush/ field 11 >> skip next module		
Other (specify) 88	Other (specify) 88		

ENUMERATORS: Start by asking to list all land the household holds. Then the series of questions are asked about each PIECE OF LAND.

LAND_id H01	LAND_id H02	LAND_dwelling H03	LAND_buildings H04	LAND_acquired H05	LAND_year H06	LAND_leased_out H07
LAND CODE	Please list all LAND that you or anyone in your household owned, held, leased out or rented in the last year.	Is the compound or dwelling located on this [LAND]?	Are there any structures, buildings or houses on this [LAND]?	How was this [LAND] acquired?	When was this [LAND] acquired (by a household member)?	Is this [LAND] or ANY part of the [LAND] leased out?
	INSTRUCTIONS TO ENUMERATOR: Describe each piece of property, giving the LAND a name that uniquely identifies the piece of land from other LAND. Ask the respondent to be as specific as possible in the description of the LAND. These will be used later in the individual questionnaire so need to be descriptive enough that other household members understand them.  Start with the LAND the compound or dwelling is on.  NAME/Description	Yes 1 >> skip to H05	Yes 1 No 2	Granted by local leaders 1 Inherited 2 Rented 3 Borrowed for free 4 Cleared land or moved in without permission 5  Shared crop in 6  Purchased 7 Other (Specify) 88		Yes 1 No 2
		No 2				
		NOTE: Skip if not first piece of land; automatic no.				
					YEAR	
1		1				
2						
3						

IN THE COMPUTER ASSISTED PROGRAM: PLEASE ALLOW THE LIST TO BE UPTO 30 PIECES OF LAND

	LAND_current H08	LAND_distance H09	LAND_water H10		LAND_water_id H11	
LAND CODE	What is the primary current use of this [LAND]?	How far is the [LAND] from the dwelling?	Is there water on this [LAND] at any time during the year? Specifically, is there a stream, river, lake, dam, pond, canal, or temporary wet seasonal puddles? Is there a well or borehole? Is there a rock catchment system or irrigation channel?	LAND CODE	If (H10==1): Describe the source, giving the water source a name that uniquely identifies it from other water sources.	
	Residential 1	IF DWELLING ON LAND (H02=1), ENTER "0" AND GO TO NEXT QUESTION.  <u>Units:</u>  Meters 1 Kilometers 2 Miles 3 Minutes walking 4 Hours walking 5 Don't know 87 Other (Specify) 88	Yes 1		INSTRUCTIONS TO ENUMERATOR: Ask the respondent to be as specific as possible in the description of the WATER SOURCE. These will be used later in the individual questionnaire so need to be descriptive enough that other household members understand them.	
	Agricultural 2		No 2 >> skip to H17			
	Aquacultural 3					
	Pastoral 4					
	Forest 5					
	Business or commercial 6					
	Don't know 87					
	Other (Specify) 88					
	Distance	Unit		WL_id	Source Name/ Description	
1		0	-	1	1	
				1	2	
				1	3	
2				2	4	
				2	5	
				2	6	
3				3	7	
				3	8	
				3	9	



	LAND_cultivated H17	LAND_crops H18	LAND_irrigated H19	LAND_irrigation_own H21
LAND CODE	Was [LAND] cultivated by your household in the previous long rainy season? <b>This can be both perennial and annual crops. [Since April this year.]</b>	Which crop(s) were planted on [LAND] in the previous long rainy season? <b>[Since April this year.]</b>	Are the crops irrigated?	Who owns the main water source you use for irrigation?
	Yes 1 No 2 >> skip to next piece of [LAND]	<b>Multiple can be selected</b>  <b>(Codes on next page)</b>	Yes 1 No 2 >>  Skip to next piece of [LAND]	Own household 1 Relatives 2 Public or shared source 3  Privately owned by others 4 Other, (specify) 88
1				
2				
3				

	LAND_irrigation_how H23	LAND_irrigation_manage H24			LAND_irrigation_cans H25		
LAND CODE	How do you get your irrigation water from the water source to the crops?	Who manages and maintains the irrigation system?			Who waters the crops?		
	Irrigated (piped) 1	SKIP TO NEXT WATER SOURCE					
	Irrigated (gravity) 2	USE HOUSEHOLD ids			USE HOUSEHOLD ids		
	Can/ bucket irrigation 3 >> H25	ENTER UP TO THREE (3) OTHER CODES: NON-HOUSEHOLD 94 MEMBER, FEMALE  NON-HOUSEHOLD 95 MEMBER, MALE			ENTER UP TO THREE (3) OTHER CODES: NON-HOUSEHOLD 94 MEMBER, FEMALE  NON-HOUSEHOLD 95 MEMBER, MALE		
		ID	ID	ID	ID	ID	ID
1							
2							
3							

# CROP CODES

apple	10	cowpeas	340	maize (fodder)	670	pigeon peas	1000	sweet potatoes, tc	1330
arrowroots	20	cowpeas leaves	350	maize, dry	680	pineapples	1010	tamarind	1340
artemesia	30	cucumber	360	maize, green	690	plums	1020	tangawizi	1350
avocado	40	dates	370	mangoes	700	pomegranate	1030	tangerine	1360
avocado (grafted)	50	dhania	380	mangoes (grafted)	710	poyo	1040	tea	1370
babycorn	60	dhania grains	390	mangoes, tc	720	pumpkin	1050	tobacco	1380
bananas	70	dry peas	400	matomoko	730	pumpkin leaves	1060	tomatoes	1390
bananas, tc	80	eggplant	410	medicinal plants	740	pyrethrum	1070	tree tomato	1400
barley	90	flowers	420	millet	750	ravaya	1080	trees (multi purpose),	1410
beans	100	french beans	430	miraa	760	rice	1090	trees, commercial	1420
beetroot	110	garlic onion	440	mkunga	770	rosemary	1100	Turnips	1430
brinjals /biriganya	120	gourds	450	mkuyu	780	runner beans	1110	vanilla	1440
bulrush millet	130	grapes	460	mulberry	790	saina	1120	Venessi	1450
cabbage	140	green grams	470	nappier /elephant grass	800	simsim	1130	watermelon	1460
camomile	150	green peas	480	nathi (goose berry )	810	simsim (drought	1140	wheat	1470
capsicum /sweet	160	groundnuts	490	njahi (dolichos )	820	sisal	1150	wheat (drought	1480
carrots	170	guava	500	njugu mawe(bambara	830	Snap peas	1160	white suppoise	1490
cashew nuts	180	indig veg/amaranthus	510	oats	840	snow peas	1170	wild berries	1500
cassava	190	indigenous grains	520	okra	850	sorghum	1180	yams	1510
cassava, tc	200	Irish potatoes	530	onions	860	sorghum (drought	1190	yellow passion	1520
castor oil	210	Irish potatoes, tc	540	orange (grafted)	870	soyabeans	1200	zambarao	1530
cauliflower	220	Jack fruit	550	oranges	880	spinach	1210	Other, specify	88
chickpeas	230	Jatropha	560	other fodder leaves	890	squash	1220		
chilli peppers	240	karela	570	other leaves (bean,njahi)	900	stefali	1230		
citrus, tc	250	lemon (grafted)	580	passion (grafted)	910	stinging nettle	1240		
coconuts	260	lemon grass	590	passion fruit	920	strawberries	1250		
coconuts, copra	270	lemons	600	passion fruits, tc	930	sugar beets	1260		
coconuts, green	280	lettuce	610	pasture	940	sugarcane	1270		
coffee, cherries	290	lucerne	620	pawpaw(grafted)	950	sugarcane, chewing	1280		
coffee, churned	300	lugard	630	pawpaws	960	sukuma wiki	1290		
coffee, mbuni	310	macadamia nuts	640	peaches	970	sunflower	1300		
corn flower	320	macadamia nuts	650	pears	980	sweet melon	1310		
cotton	330	macadamia, tc	660	pepper, bell	990	sweet potatoes	1320		

ENUMERATOR INSTRUCTION: You will start by asking the respondent to make a complete list all the water sources in your community.					
WATER_id I00	WS_source_list_ALL I01	WS_type I03	WS_sourcepipe I04	WS_well_pump I05	WS_well_manual I06
WATER SOURCE ID	<p>ENUMERATOR SAYS: Please list all the water sources in your your community. These include the sources in your dwelling, on all your land, at your neighbors, in the community, and in the village trade center. It includes any rainwater catchment systems, wells, springs, streams, rivers, dams, ponds, irrigation channels, bottled water retail shops, and tap water sources. Please also include any traveling vendors. Also include water sources in outside villages if used by the household. Start with the water their land, the water sources you use at any time of year. Then list all the other water sources in your community.</p> <p>INSTRUCTIONS TO ENUMERATOR: Ask the respondent to be as specific as possible in the description of the water source. These will be used later in the individual questionnaire so needs to be descriptive enough that other household members understand it.</p>	What type is this [SOURCE]:	WS_TYPE is 1:	If WS_TYPE is 3 OR 4:	Is the pump operated by hand or motorized?
		<u>Water from a tap or plumbing</u> 1	Is this tap connected to		
		<u>Borehole or tubwell</u> 2 >> I06		Does the well have a pump?	
		<u>Well:</u>	a utility piped water system 1	Yes 1	Hand pump 1
		Open well 3 >> I05	a community piped water system (multiple households) 2	No 2 >> I07	Motorized 2 Don't know 98
		Covered well 4 >> I05			
		<u>Spring</u>	or a private piped supply? 3		
		Protected spring 5 >> I07			
		Unprotected spring 6 >> I07			
		<u>Surface water</u>			
		Stream, river, lake, dam, pond, stream, canal, temporary wet seasonal puddles 7 >> I07	Doesn't know 98		
			SKIP TO I07		
		Rock catchment 8 >> I07	<i>NOTE: If they are piped systems we need to differentiate between utility piped, community piped or private piped.</i>		
		Irrigation channel 9 >> I07			
		<u>Other source:</u>			
Rainwater collection 10 >> I07					
Retailer or shop (includes bottled water purchased at shop) 11 >> I11					
Traveling vendors (includes delivered bottled water) 12 >> I13					
Tanker truck 13 >> I13					
Other (specify) 88 >> I07					
WS1					
WS2					
WS3					
WS4					

IN THE COMPUTER ASSISTED PROGRAM: PLEASE ALLOW THE LIST TO BE UPTO 30 ITEMS

WS_id I01	WS_location I07	WS_source_confirm I08	WS_source_confirm_2 I08_2	WS_land_tenure I08A	WS_source_community I09
WATER SOURCE ID	If WS_type < 12: Where is this [SOURCE] located?  <i>The source is the point of collection (by household members). It is where the water is collected.</i>	WS_location==3: Which [LAND]?	If WS_type<10 & WS_location==3: ENUMERATOR CHECK:	If WS_location > 3 (if source is not on household land):  Who owns or holds rights to the land the [SOURCE] is located on?	Do others outside your household use this water source? That is, do non-household members use this water source?
	Inside the respondent's dwelling or on the compound 1 >> I09	SELECT FROM LAND_ID	<b>Is this water source included in the land module?</b>	Privately owned or held by individual(s) 1	Yes, community 1
	Another household member's dwelling on the compound 2 >> I09			Land in settler and formerly settler occupied areas 2	Yes, neighbors or family members 2 >> I11
	On household land 3			Government or state land 3	
	Neighbor's or other household's land 4			Trust land vested in local authorities 4	
	<del>Community land</del> 5			Group ranches - "demarcated area(s) of rangeland to which a group of pastoralists, who graze their individually owned herds on it, have official land rights" 5	No 3 >> I11
	In the community or village 6			Other customary land 6	
	In another village 7			Other (specify) 88	
	Public institution (e.g. school) 8			Doesn't know 98	
	Private institution (e.g. private school) 9				
Other specify 88					
WS1					
WS2					
WS3					
WS4					

WS_id I01	WS_source_communityid I10	WS_difficult I11	WS_Safety1 I12	WS_conflict_com I13	WS_conflict_hh I14	WS_reliability I15	WS_source_used I02
WATER SOURCE ID	If I09 == 1 (water source is a community source):  What are the community names for this source?	If WS_location > 2 OR WS_type == 11:  Is the travel to the water source difficult?	If WS_location > 2 OR WS_type == 11:  In some places, women and girls feel unsafe going to collect water due to threats of harassment and violence. Would you say that this is the case with this [SOURCE]?	What is the likelihood of conflict or disagreements with others in the community in using water from [SOURCE]?	What is the likelihood of conflict or disagreements between members of your household in using water from [SOURCE]?	Water from [SOURCE] is  Always 1  Usually 2  Sometimes or 3 seasonally  Rarely or never 4 available  Very likely 3	Was this water source used by the household in the last 4 weeks for any purpose? When answering this question, consider all water uses, including water used for productive and income activities, livestock, cropping, drinking, cleaning, bathing, cooking.  Yes 1 >> WS_freq (04. Water portfolio - u No 2 >> WN_can_use (05. Water portfolio - u
		Yes, physically demanding but accessible route 1		Not likely at all 1	Not likely at all 1		
		Yes, difficult or nearly unpassable roads 2	No, it is safe 1	Somewhat likely 2	Somewhat likely 2		
		No 3	Yes, it is a small worry 2	Very likely 3	Very likely 3		
WS1							
WS2							
WS3							
WS4							

WS_id I01	WS_freq I22	WS_fee1 I23	WS_fee2 I24	WS_fee3 I26	WS_fee4 I27	WS_fee5 I27
WATER SOURCE ID	How often did your household collect (or get) water from this [SOURCE]?	Do you or someone in your household pay for water from this [SOURCE]?	If yes, what is the payment structure?	If WS_fee2 is 1:	How much do you pay in Shillings [PER UNIT]?	For how many liters?
	Daily 1		Per container 1 Metered connection (monthly) 2 >> I27	How many containers do you typically get at one time?	UNITS:	Don't know 98
	At least once a week, but not daily 2		Fixed monthly fee 3 >> I27 Included in rent/ electricity bill 4 >> I27		Fee per container 1 Fee per use 2 Monthly fee 3 Periodical maintenance fee 4	
	At least once a month, but less than once a week 3	This is regardless of whether payment has been cleared or not. Yes 1	Per use 5 >> I27			
	Less than once a month 4	No 2 >> I34	Periodic/ ad hoc repair or maintenance fee 6 >> I27			
				Number	Fee / payment	Unit
WS1						
WS2						
WS3						
WS4						

WS_id I01	WS_use I34	WS_safe I35	WS_unsafe1 I36
WATER SOURCE ID	What did the household use water from [SOURCE] for in the last four weeks?	Do you believe water from [SOURCE] is safe to drink or use for drinking or food preparation?	Why do you think the water from [SOURCE] is not safe to drink?
	(Multiple selections possible)	Yes	1 >> skip to WS_collectors (I40)
	Drinking 1		(Multiple selections possible)
	Food preparation and cooking 2	No 2	Smells bad 1 Tastes bad 2
	Bathing and personal hygiene 3		Looks bad / looks dirty 3
	Dishes, laundry, and other cleaning 4		Causes diarrheal illness 4
	Livestock 5		Causes other illnesses or makes illnesses worse 5
	Crops 6		
	Aquaculture 7		Stains teeth 6
	Non-agricultural activities including small businesses 8		Salty 7 Do not trust 8 Other (specify) 88
WS1			
WS2			
WS3			
WS4			



WS_id I01	WS_time I44		WS_mode I43	WS_wait I45		WS_collectors I40		WS_day I41	WS_week I42	WS_month I42
WATER SOURCE ID	If 1103 < 12 and outside the compound or holding (If WS_location is NOT 1 or 2):		If 1103 < 12 and outside the compound or holding (If WS_location is NOT 1 or 2): How is the water typically collected from the SOURCE?	If 1103 < 12 and outside the compound or holding (If WS_location is NOT 1 or 2):		If 1103 < 12 and outside the compound or holding (If WS_location is NOT 1 or 2):		If 1103 < 12 and outside the compound or holding (If WS_location is NOT 1 or 2): How many times does [PERSON] typically collect water from [SOURCE] in a day?	If WS_day == 0:	If WS_week == 0:
	How long does it take to go from the [SOURCE] back home?		<u>Walk</u> Carry water / kick or pull water 1 Push wheelbarrow or cart 2 <u>Animal</u> Mule, donkey, or other animal 3  <u>Vehicle</u>  Bicycle 4 Motorcycle 5 Car 6 Other vehicle, specify 7  <u>Other</u> (Specify) 88	How much time is spent waiting and collecting water at [SOURCE]? [Even if they engage in other activities while waiting.]		Who typically collects the water from this [source] for the household?  ENTER UP TO THREE (3) MEMBER IDs OTHER CODES:  NON-HOUSEHOLD MEMBER, FEMALE 94  NON-HOUSEHOLD MEMBER, MALE 95			How many times does [PERSON] typically collect water from [SOURCE] in a week?	How many times does [PERSON] typically collect water from [SOURCE] in a month?
	AUTOMATIC CHECK IF MORE THAN 5 HOURS.			SKIP TO NEXT WATER SOURCE						
				AUTOMATIC CHECK IF MORE THAN 5 HOURS.						
	Hours	Minutes		Hours	Minutes					
WS1						ID				
						ID				
						ID				
WS2						ID				
						ID				
						ID				

Continued for each water source used

WS_id I01	WN_can_use III03	WN_not_use III04	WN_no_access III05
WATER SOURCE ID	Do members of your household have access to this water source? (Could they use it if they wanted to?)	WN_can_use==1: What is the main reason the household chose not to use water from [SOURCE] in the last four weeks?	WN_can_use==2: Why is your household not able to use this [SOURCE]?
	Yes 1	Variable availability 1	Not part of water association 1
	No 2 >> III05	Too expensive 2	
		Too far 3	Did not pay required fee 2
		Too long a wait in line 4	
		Walk or travel too strenuous 5	Not on good terms with land holder 3
		Journey to water collection point is not safe 6	Broke-down 4
		Water quality is poor (water is not safe to use) 7	Not enough water available 5
		Dislike taste 8	
		Dislike color 9	
		Possible conflict with others 10	Other (specify) 88
		Other (specify) 88	
WS1			
WS2			
WS3			

Continued

[illegible]

\*\*\* Only asked for water used for drinking or food preparation, not by SOURCE.

WN_id	WS_treated
I101	I37
WATER SOURCE ID	<del>If [SOURCE] is used for drinking or food preparation (I34==1 OR 2):</del> For the water you are drinking or using for cooking today, was anything done to the water to make it safer to drink or consume?
	Yes 1
	No 2

ENUMERATOR READ: Next, I want to ask you about different issues related to water that your household may have experienced in the past 4 weeks

HWISE_worry D01	HWISE_interrupt D02	HWISE_clothes D03	HWISE_plans D04	HWISE_food D05	HWISE_hands D06	HWISE_body D07
In the past 4 weeks, how often did anyone in the household worry that they would not have enough water for all of their household needs?	How often was the household's primary water source interrupted or limited in any way?	How often was anyone in the household unable to wash clothes because of problems with water?	<b>In the past 4 weeks</b> , how often did anyone in the household have to change schedules or plans because of problems with water?	How often did anyone in the household change what they ate because of problems with water?	How often was anyone in the household unable to wash their hands after dirty activities because of problems with water?	In the past 4 weeks, how often was anyone in the household unable to wash their body because of problems with water?
Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)
Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)
Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)
Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)
Don't know 98	Don't know 98	Don't know 98	Don't know 98	Don't know 98	Don't know 98	Don't know 98

HWISE_drink D08	HWISE_anger D09	HWISE_sleep D10	HWISE_nowater D11	HWISE_shame D12
How often did anyone in the household not have as much water to drink as they would have liked?	How often did anyone in the household feel angry about the water situation?	In the past 4 weeks, how often did anyone in the household go to sleep thirsty because there was not enough water to drink?	How often was there no usable or drinkable water whatsoever in the household?	How often did anyone in the household feel shame because of problems with water?
Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)	Never 1 (0 times in the last 4 weeks)
Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)	Rarely 2 (1–2 times in the last 4 weeks)
Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)	Sometimes 3 (3–10 times in the last 4 weeks)
Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)	Often 4 (more than 10 times in the last 4 weeks)
Don't know 98	Don't know 98	Don't know 98	Don't know 98	Don't know 98

ENUMERATOR READ: Now I would like to ask you some questions regarding THE HOUSEHOLD having enough to eat in the past 4 weeks.

FIES_worry E01	FIES_unable E02	FIES_fewkinds E03	FIES_skip E04	FIES_less E05	FIES_ranout E06	FIES_hungry E07	FIES_noeat E08
During the last 4 weeks, was there a time when you or others in your household worried about not having enough food to eat because of a lack of money or other resources?	During the last 4 weeks, was there a time when you or others in your household were unable to eat healthy and nutritious food because of a lack of money or other resources?	During the last 4 weeks, was there a time when you or others in your household ate only a few kinds of foods because of a lack of money or other resources?	During the last 4 weeks, was there a time when you or others in your household had to skip a meal because there was not enough money or other resources to get food?	During the last 4 weeks, was there a time when you or others in your household ate less than you thought you should because of a lack of money or other resources?	During the last 4 weeks, was there a time when your household ran out of food because of a lack of money or other resources?	During the last 4 weeks, was there a time when you or others in your household were hungry but did not eat because there was not enough money or other resources for food?	During the last 4 weeks, was there a time when you or others in your household went without eating for a whole day because of a lack of money or other resources?
Yes 1	Yes 1	Yes 1	Yes 1	Yes 1	Yes 1	Yes 1	Yes 1
No 2	No 2	No 2	No 2	No 2	No 2	No 2	No 2
Refused 87	Refused 87	Refused 87	Refused 87	Refused 87	Refused 87	Refused 87	Refused 87
Don't Know 98	Don't Know 98	Don't Know 98	Don't Know 98	Don't Know 98	Don't Know 98	Don't Know 98	Don't Know 98

SHOCKS_household_member K01		SHOCKS_experienced K02	
In the last year has this household or anyone in your household been affected by a serious shock—an event that led to a serious reduction in your asset holdings, caused your household income to fall substantially or resulted in a significant reduction in consumption?		What types of shocks did this household experience?	
		<i>NOTE: Do not prompt and record all that apply up to 5</i>	
		Death of a household member	1
		Death of another friend or relative that you depended on for financial assistance	2
		Serious injury or illness to household member (including oneself)	3
		Serious injury or illness of a kin	4
		Inability to do a usual income generation activity of a household member (including oneself)	5
		Serious family/kin conflict	6
		Lost support from family and friends to household	7
		Separation from a spouse	8
		Termination of institutional support (not due to death)	9
		Destruction of household property (including livestock, vehicles), due to any MAN MADE event	10
		Destruction of household property (including livestock, vehicles), due to any natural calamity event	11
		Severe drought	12
Yes	1	Severe flood	13
No	2 >> SKIP TO NEXT MODULE	Severe shortage of water	14
		Severe shortage of food	15
		Violence/conflict	16
		Loss of livestock	17
		Crop failure	18
		Increase in food prices	19
		Increase in input prices	20
		Increase in water prices	21
		Displacement	22
		Other (specify)	88
		ID	SHOCK
		501	
		502	
		503	
		504	
		505	