

THE COMMUNITY FOREST PROJECT HOUSEHOLD SURVEY

INTERVIEWER: Carefully explain the definition of a household as: 'a group of people who live in the same homestead (which may consist of more than a single dwelling) and share food and other items bought from a common household budget. This includes people who are away temporarily.' Carefully explain the definition of a forest as: 'a large area covered with trees and woody vegetation. This can include forests or woodlots.' Carefully explain the definition of a field as a piece of land with distinct boundaries defined by land-use. These are the definitions you will be using each time you refer to a 'household' or 'forest' throughout this interview and should be borne in mind by both yourself and the respondent/s.

A1. Date of Survey	(mm/dd/yyyy)	
A2. Enumerator ID	(Integer)	
A3. Supervisor ID	(Integer)	
A.4 District:	1=Nyimba 2=Mambwe 3=Lundazi	
A5. Chiefdom:	1= Luembe 2=Nyalungwe 3=Malama 4=Mwanya 5=Msoro 6=Masemphangwe 97=Other	(code)
A.5b Other, specify		
A6. Village ID	(Integer)	
A7. Main Village name	(Text)	
A7b. Actual village name		
A8. Household ID	(Integer)	
A8b. Retype household ID	(Integer)	

WRITTEN CONSENT SCRIPT

READ OUT SCRIPT, WORD FOR WORD

A9. Did the respondent consent? (consent) <i>If 1, skip to A11</i>	0=No 1=Yes	(code)
A10. Who is the respondent? (respondent) <i>If 1 skip to A16</i>	1=Head of household 2=Spouse of head of household 3=Other household member	(code)
A.11 Enumerator: Why are you not speaking to the household head?	1=Head is drunk or disabled 2=Head is away from the village for entire week 3= Wife is the primary decision maker 4=Head works outside the village	

		97=Other, specify
	A.11b Other, specify SPEAK WITH YOUR SUPERVISOR BEFORE CONTINUING THE INTERVIEW	(text)
	A12. Name of respondent	(text)
	A13. Respondent relationship to the Household Head	1=Spouse of household head 2=Child 3=Parent/parent-in-law 4=Brother/Sister 97=Other, please specify (code)
	A13b. Please specify "other"	(text)
	A14. What is your gender? <i>Observation Only</i>	0=Male 1=Female 999=Prefer not to respond (code)
	A15a. Phone 1	(Integer) If no mobile number, enter 0
	A15b. Phone 2	(Integer) If no mobile number, enter 0
	A15c. Phone 3	(Integer) If no mobile number, enter 0

	A16. What is the full name of Household Head?	(text)
	A17. What is the nickname of Household Head? <i>Optional</i>	(text)
	A18. What is the NRC of Household Head <i>optional</i>	(text)
	A19a. First mobile phone of household head	(Integer) If no mobile number, enter 0
	A19b. Second mobile phone of household head	(Integer) If no mobile number, enter 0
	A19c. Third mobile phone of household head	(Integer) If no mobile number, enter 0
	A20. What is the gender of the Household Head <i>Observation Only</i>	0=Male 1=Female 999=Prefer not to respond (code)

SECTION B. HOUSEHOLD INFORMATION

	B.1 What is your age? <i>If 888, ask B1b</i>	
	B.1b What is your approximate age?	1=18-30 2=31-40 3=41-50 4=51-60 5=60 or more 888=Don't know 999=Prefer not to reply
	B2. What is the age of the household head?	
	B2.b What is the approximate age of the household head?	1=18-30 2=31-40 3=41-50 4=51-60 5=60 or more 888=Don't know

	999=Prefer not to reply		
B3. What is your marital status?	1=Monogamously married 2=Polygamously married 3=Never married 4=Widowed 5=Divorced 6=Separated 7=Cohabiting 97=Other, please specify 999=Prefer not to respond		(Code)
B4. What is the marital status of the household head? Only ask if A11 ≠1	1=Monogamously married 2=Polygamously married 3=Never married 4=Widowed 5=Divorced 6=Separated 7=Cohabiting 97=Other, please specify 999=Prefer not to respond		(Code)
B5. What is your tribe?	1=Chewa 2=N'goni 3=Nsenga 4=Tonga 5=Tumbuka 6=Senga 7=Kunda 8=Biza/Bisa 9=Lunda 10=Luvale	11=Kaonde 12=Lozi 13=Bemba 14=Zambian only 15=Ngulube 16=Ambo 17=Bambo 18=Lala 97=Other, please specify	(Code)
B5b. If other, please specify	(Text)		
B6. What is the tribe of your spouse? Only ask if B1 =1 or 2	1=Chewa 2=N'goni 3=Nsenga 4=Tonga 5=Tumbuka 6=Senga 7=Kunda 8=Biza/Bisa 9=Lunda 10=Luvale	11=Kaonde 12=Lozi 13=Bemba 14=Zambian only 15=Ngulube 16=Ambo 17=Bambo 18=Lala 97=Other, please specify	(Code)
B6b. If other, please specify	(Text)		
B7. What is the tribe of your senior spouse? Only ask if B1 =2	1=Chewa 2=N'goni 3=Nsenga 4=Tonga 5=Tumbuka 6=Senga 7=Kunda 8=Biza/Bisa 9=Lunda 10=Luvale	11=Kaonde 12=Lozi 13=Bemba 14=Zambian only 15=Ngulube 16=Ambo 17=Bambo 18=Lala 97=Other, please specify	(Code)
B7b. If other, please specify	(Text)		
B8. What is the tribe of the household head?	1=Chewa	11=Kaonde	(Code)

	Only ask if A10 ≠ 1	2=N'goni 3=Nsenga 4=Tonga 5=Tumbuka 6=Senga 7=Kunda 8=Biza/Bisa 9=Lunda 10=Luvale	12=Lozi 13=Bemba 14=Zambian only 15=Ngulube 16=Ambo 17=Bambo 18=Lala 97=Other, please specify		
	B8b. If other, please specify	(Text)			
	B9. How many children does your household have? Include any children the household raised, including biological and non-biological and now-grown children	(Integer)			
	B10. What is the tribe of your (eldest) child? Skip if B5=0	1=Chewa 2=N'goni 3=Nsenga 4=Tonga 5=Tumbuka 6=Senga 7=Kunda 8=Biza/Bisa 9=Lunda 10=Luvale	11=Kaonde 12=Lozi 13=Bemba 14=Zambian only 15=Ngulube 16=Ambo 17=Bambo 18=Lala 97=Other, please specify	(Code)	
	B10b. If other, please specify	(Text)			
	B11. What is your religion, if any?	1=Christian 2=Islam 3=Not religious	4=Spiritual/Traditional 97= Other, please specify	(Code)	
	B12. Were you born in this village? If B10=1, Skip to B13	0=No 1=Yes 888=Don't know 999=Prefer not to respond			(Code)
	B13. Where is the village where you were born? Ask if B10=0	1= Another village in the area 2= Another area in this chiefdom 3=Another chiefdom in Eastern province 4=Another province in Zambia 5=Another country			
	B14. Why did you move to this village? Select all that apply. Ask if B10=0	1=Land for agriculture 2=Marriage 3=Family reason (take care of elder parent, be close to relatives) 4=School 5=Job opportunities 6= Forced to leave 7= Witchcraft 8= Unfair treatment at previous village 97=Other, please specify 888=Don't know 999=Prefer not to respond			(Code)
	B15. Was the household head born in this village?	0=No			(Code)

	<p>Only ask if A10 ≠ 1 If B11=1, Skip to B14</p> <p>1=Yes 888=Don't know 999=Prefer not to respond</p>	
	<p>B16. Where is the village where the household head born? Ask if B13=0</p> <p>1= Another village in the area 2= Another area in this chiefdom 3=Another chiefdom in Eastern province 4=Another province in Zambia 5=Another country</p>	
	<p>B17. Why did the household head move to this village? PROBE AND CODE. Select all that apply. Only ask if A10 ≠ 1 Ask if B9=2</p> <p>1=Land for agriculture 2=Marriage 3=Family reason (take care of elder parent, be close to relatives) 4=School 5=Job/business opportunities 6= Witchcraft 7= Unfair treatment at previous village 8=Conflict with animals 9=Forced to leave previous village 97=Other, please specify 888=Don't know 999=Prefer not to respond</p>	(Code)
	<p>B18. How many years have you lived in this village/locality?</p>	(Integer)
	<p>B19. How many years has the household head lived in this village/locality? Only ask if A11 ≠ 1 and B13 ≠ 1</p>	(Integer)
	<p>B20. In the past 5 years, have you considered moving away from this village? If 0, skip to B.21</p> <p>0=No 1=Yes 999=Refused to answer</p>	(Code)
	<p>B21. Why did you consider moving? Select all that apply</p> <p>1=Salaried job 2=More money for work they are currently doing (petty trade, farming, etc.) 3=More land/more fertile land/better yields/etc. 4=To be with family/friends, family issues (divorce, etc) 5=Better education for children 6= Witchcraft 7= Unfair treatment/discrimination 8=Conflict with animals 9=Forced to leave previous village 97=Other, please specify</p>	(Code)
	<p>B21b. Other, specify</p>	(text)
	<p>B22. Why did you not move? Select all that apply</p> <p>1=Not enough money 2=No friends or family in new area 3=Family/friends needed me to stay/asked me to stay 4=My land is here/can't get land in a new area 5= I moved and came back to this village 6=Waiting to harvest crops 7=Just decided not to 888=Don't know 97=Other, please specify</p>	(Code)
	<p>B22b. Other, specify</p>	(text)

	<p>B23. When you were married, which spouse moved to the other spouse's village? <i>Ask if B1=1,2,4,5,6</i></p>	<p>1=Wife moved to husband's village 2=Husband moved to wife's village 3=Husband and wife both moved to a new village 4=Husband moved to wife's village for a short time, then moved back to husband's village together 5=Husband and wife from same village 6=No one moved, live separately 7=Both moved outside the area 8=Husband moved to wife's home in same village 9=Wife moved to husband's home in same village 97=Other, please specify</p>	<p>(Code)</p>
	<p>B31b. If other, please specify.</p>	<p>(Text)</p>	
	<p>B24. Is the village land that your household farms passed down from the wife's family or the husband's family?</p>	<p>1=Wife's family 2=Husband's family 3=Land was purchased by or given to the household 97=Other, please specify 888=Don't know</p>	<p>(Code)</p>
	<p>B24b. If other, please specify.</p>	<p>(Text)</p>	
	<p>B25. Did any adult member of your household work as hired labor (ganyu) on someone else's land during the last agricultural season 2014/2015? <i>If 0, 888, or 999, skip to B25</i></p>	<p>0=No 1=Yes 888=Don't know 999=Prefer not to respond</p>	<p>(Code)</p>
	<p>B26. How many total person days did all adult members of your household do ganyu in the last agricultural season?</p>	<p>(Integer)</p>	
<p>[Showing ladder of wealth] This is a ladder of wealth from 1-10, The people at the top (10) are the wealthiest and live very comfortably. The people at the very bottom (1) are the poorest.</p>			
	<p>B27. From 1 to 10, Where on this ladder is your household? <i>Enumerator note: Type of house, yields, farmland, livestock.</i></p>	<p>(Integer 1-10)</p>	

SECTION C. HOUSEHOLD ROSTER

<p>C1. How many people live in your household?</p> <p><i>Definition of a household as: 'a group of people who live in the same homestead (which may consist of more than a single dwelling) and share food and other items bought from a common household budget. This includes people who are away temporarily.'</i></p>	<p>(Integer)</p>
<p>C.2 How many adults live in your household? Ages 13 and older</p>	<p>(Integer)</p>
<p>C.3 What is the highest level of education attained by any member of your household? See codes 102</p>	
<p>C.4 How many girl children live in your household? Ages 12 and under</p>	<p>(Integer)</p>
<p>C.5 Are any of the girl children not currently attending school?</p>	<p>0=No 1=Yes 888=Don't know 999 Refused to answer</p>
<p>C.6 Why are any of the girl children not currently attending school? See codes 103. If 97, ask C.6b</p>	
<p>C.6b Other, specify</p>	<p>(text)</p>
<p>C.7 How many boy children? Ages 12 and under</p>	<p>(Integer)</p>
<p>C.8 Are any of the boy children not currently attending school?</p>	<p>0=No 1=Yes 888=Don't know 999 Refused to answer</p>
<p>C.9 Why are any of the boy children not currently attending school? See codes 103. If 97, ask C.9b</p>	
<p>C.9b Other, specify</p>	<p>(text)</p>

I02–Level of education		I03–Not currently in school	
1=None 2=Grade 1/Sub-standard A 3=Grade 1/Sub-standard B 4=Grade 2/Standard 1 5=Grade 3/Standard 2 6=Grade 4/Standard 3 7=Grade 5/Standard 4 8=Grade 6/Standard 5 9=Grade 7/Standard 6	10=Grade 8/Form 1 11=Grade 9/Form 2 12=Grade 10/Form 3 13=Grade 11/Form 4 14=Grade 12/Form 5 15=Post-secondary 888=Don't know 999=Preferred not to answer	1=Cannot afford school fees 2=Needed for domestic duties 3=Needed for farming 4=Working for other household 6=Education is not necessary/no point 7=Completed their education 8=Too old to attend school 9=School is too far away	10=School closed temporarily 11=School closed permanently 12=The teacher is absent at the school 13=Too sick to attend school 14=Someone else in the household is sick, so cannot attend 15=No transport 16= Failed exams, could not proceed to next Grade. 17=Too young to attend school 97=other, please specify

SECTION D. FOREST CONDITIONS

I would like to ask questions about the conditions and access to each of these forests. Let's start with the largest forest.

<p>D4. How many forests does your household have access to? <i>Enumerator Note: Include private, state, and communal forests, and any graveyard areas where households harvest products.</i></p>	<p>(Integer)</p>
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Forest code	D2. Name of the forest <i>If the respondent does not know the name, create a name together that you will use to refer to the forest in future questions.</i>	D.2b ID of the forest (given by supervisor)	D.3 What type of forest is this? 1=State or GMA 2=Communal land in this village 3=Communal land in another village 4=Private land allocated to the household 5=Private land allocated to another household in this village 6=Private land allocated to another household in another village 7= Graveyard or other spiritual site 97= Other, specify	D4. In your view, how do you describe the overall condition of this forest? <i>A good forest has trees, undergrowth, and resources for the community</i> 1=Very Good 2=Good 3=Neutral 4=Bad 5=Very Bad	D5. In your own view, compared to 3 years ago, has the overall condition of the forest worsened or improved? 1=Significantly worse 2=A little worse 3=Remained the same 4=Improved a little 5=Significantly improved	D6. During the last 3 years, has there been any change to the size/area of the forest? 1=Increased greatly 2=Increased slightly 3=Stayed the same 4=Decreased slightly 5=Decreased greatly
	Forest					
1						
2						
3						
4						
5						

105–Reasons for increased area/increased canopy thickness		106–Reasons for decreased area/ decreased canopy thickness
1=land left to regenerate	8=reduced charcoal production	1=small-scale clearing for agriculture
2=planting trees	9=reduced timber harvesting	2=large-scale projects (plantations, new settlements, mining, etc)
3=conservational activities/sustainable harvest practices	10=Reduced fires	3=ongoing or increased charcoal production
4=reduced use from large-scale commercial users	11=People from outside restricting access	4=ongoing or increase timber harvesting
5=reduced use from local/small scale commercial	12=State or local authorities restricting access	5=ongoing or increased brick burning
	13=Customary/village restrictions on access	6=poor harvesting practices
	14=Some other restriction in access, specify	7=bush burning

users 6=climate change (increase rainfall, change in temp) 7=reduced roads/transport to the area	15=New or stronger monitoring of the forest or enforcement of forest rules 16=Changes in animal movement 97=Other, please specify	8=natural disasters or pest 9=Overgrazing or browsing from wild animals such as elephants 10=Part of the forest was sold 11=Reduced rainfall 12=Land cleared for streams/irrigation 97=Other, please specify
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Forest code	D7. Why has \${forest_1}'s area increased? <i>PROBE AND CODE</i> <i>Refer to code 105 below</i> <i>Ask if D5=1 or 2</i>	D8. Why has \${forest_1}'s area decreased? <i>PROBE AND CODE</i> <i>Refer to code 106 below</i> <i>Ask if D5=4 or 5</i>	D9. During the last 3 years, has there been any change in the thickness of trees in the forest? 1=Increased greatly 2=Increased slightly 3=Stayed the same 4=Decreased slightly 5=Decreased greatly	D9 Why has \${forest_1}'s thickness increased? <i>PROBE AND CODE</i> <i>Refer to code 105 below</i> <i>Ask if D8=1 or 2</i>	D10 Why has \${forest_1}'s thickness decreased? <i>PROBE AND CODE</i> <i>Refer to code 106 below</i> <i>Ask if D8=4 or 5</i>
1					
2					
3					
4					
5					

SECTION E. FOREST CONSERVATION AND RESOURCE VALUATION

Enumerator: Now for each of the forests you just told me about, I would like to ask you a series of questions about how your village uses the forests.

Forest code	Name of the forest	E1. How many km is it from your home to the edge of the forest/wooded area ONE-WAY?	E2. How does your HH typically access this forest? <i>Select all that apply</i> 1=Walk 2=Bike 3=Motorized transport 4=Donkey/ox cart 5=Canoe	E3. How many minutes does it typically (i.e., on average) take your HH to reach this forest from your home ONE-WAY?	E4. In the past 1 year, have there been any new restrictions in your household's ability or ease of accessing (or collecting resources from) this forest? 0=No 1=Yes <i>If 0, skip to E.9</i>	E5. Please describe the restrictions <i>See codes below</i> <i>Probe and code.</i> <i>Select all that apply.</i>	E6. Who imposed the restrictions? <i>Select all that apply</i> 1=Headperson 2=Chief 3=DFO officials 4=ZAWA officials 5=Private landowner 6=Company 7=Other government official 97=Other, please specify	E7. What is the impact of losing access to this forest on your household? <i>Probe and code, select all that apply</i> 1=Lost income 2=Lost subsistence resources 3=Lost access to cultural site/resource 4= No impact from new restrictions 5=Lost grazing area 97=Other, please specify	E8. How has your HH responded to the new restrictions? <i>Select all that apply</i> 1= harvesting forest products from open lands; 2= harvesting from other communal or government forests; 3=relying more on alternative products 4= Nothing, gone without 5=Continue to access the area illegally 97=Other, specify
	Forest								
1									
2									
3									
4									
5									

Restrictions

- 1=new rules that prevent villagers from entering the forest for conservation reasons
- 2=new rules that prevent villagers from entering the forest for safety or cultural reasons
- 3=new rules that prevent villagers from entering the forest because someone else is using it
- 4= New rules that prevent villagers from harvesting products that my household uses
- 5= New rules that prevent villagers from harvesting products that my household does not use
- 6=strict enforcement of existing rules, such as more patrols, or higher fines for breaking rules

7=Can no longer access areas because they are dangerous

8=Can no longer access areas because a private company or infrastructure project is taking place

97=Other, specify

Forest code	Name of the forest	E9. Do you need a permit to collect wood or non-wood forest products from this forest? 1=Yes, for all products 2=Yes, for some products 3=No 888=Don't know <i>If 3 or 888, skip to E.12</i>	E10. What wood or non-forest products require permits? <i>See codes 11 below. Probe and code.</i> <i>Select all that apply</i>	E11. In your opinion, how open and transparent is the permit granting process? 1=Very transparent 2=Transparent 3=Neither transparent or nontransparent 4=Non-transparent 5=Very Non-transparent	E12. Are there now more/less different wood and non-wood forest products available in that forest/wooded area than 3 years ago? 1=Much more available 2=A little more availability 3=About the same 4=A little less 5=Much less availability	E13. Did your household clear new land in this forest in the past three years? 0=No 1=Yes 888=Don't know 999=Prefer not to respond <i>If 0, skip to next forest or E25</i>	E14. How much forest did you clear? (howclear) Unit: 1=Hectare 2=Acre 3=Lima 4=Square meter	
	Forest						Amnt	Unit
1								
2								
3								
4								
5								

11–Wood/Non wood forest products			
1=Timber 2=Fuel wood 3=Charcoal 4=Wood for wood carving 5=Wood for poles	6=Fruit, nuts, seeds, roots, berries, etc. 7=Mushrooms 8=Fodder/Animal feed 9=Rattan 10=Plant medicines	11=Herbs and spices 12=Materials for dying/tanning 13=Seeds (for regeneration purposes) 14=Fibres (for rope, etc) 15=Other plant products	16=Wildlife (including bushmeat) 17=Beekeeping activities (e.g. honey) 18=Caterpillar 97=Other, please specify

Forest code	Name of the forest	E15. Did you apply for permission to clear the new land? 0=No 1=Yes 888=Don't know 999=Prefer not to respond	E16. From whom did you apply for permission? <i>Select all that apply</i> 1= Headman or Headman's Induna 2=Village elders 3=Village committee 4=Chief or Chief's Induna 5=State authority 6=ZAWA 7=DFO 97=Other, please specify <i>Answer if E2 1=1</i>	E17. What was the land used for after clearing? <i>If multiple, main use only</i> 1=Cropping 2=Tree plantation 3=Livestock 4=Infrastructure/settlements 5=Producing ash for fertilizer 6=Not used 7=Left to regenerate (e.g. after charcoal production) 97=Other, please specify	E18 Why did you have to clear new land? <i>Select all that apply</i> 1=Previous land was small 2=Previous land lost fertility 3=Wanted to have my own piece of land 4=Previous land was taken away 5=Wanted to be away from livestock 6=Wanted to be closer to forests 7=Shifted to this village recently 8=Running away from land disputes 9=I was displaced/chased 97=Other, please specify
	Forest				
1					
2					
3					
4					
5					

	E.19. Are there any forested graveyard areas near or in your village that you do not harvest any products from? 0= No 1= Yes 888=Don't know 999= Prefer not to respond	(Code)
	E.20 Are there restrictions or customs against harvesting products from the graveyard? 0= No 1= Yes 888=Don't know 999= Prefer not to respond	
	E.21. Please describe the restrictions that apply to the graveyard(s) 1=Not allowed to enter/pass except while burying 2=No cutting 3=No harvesting any product 4=No formal restrictions, people just do not go 97=Other 888=Don't know	

	999=Prefer not to respond	
E.21b Other, specify	(Text)	
E.22. Who makes the restrictions?	1= Headperson 2= Chief 3= Department of Forestry officials 4=ZAWA officials 5=Private landowner 6=Company 7=Other government official 8=Whole community 9=Tradition/customs 97=Other 888=Don't know 999=Prefer not to respond	(Code)

	E23. In the next 3 years, how likely is it that elites from outside your chiefdom will take some of the customary forest land used by your village without authorization from the village?	1=Impossible/would never happen 2=Highly Unlikely 3=Unlikely 4=Unsure/Don't know 5=Likely 6=Highly Likely 7=Happening right now 888=Don't know 999=Prefer not to respond	(Code)
	E24. In the next 3 years, how likely is it that a chief will sell or give away the customary forestland used by this village for investment purposes without authorization from the village	1=Impossible/would never happen 2=Highly Unlikely 3=Unlikely 4=Unsure/Don't know 5=Likely 6=Highly Likely 7=Happening right now 888=Don't know 999=Prefer not to respond	(Code)
	E25. In the next 3 years, how likely is it that investors will buy or take away the customary forestland used by this village for investment purposes without authorization?	1=Impossible/would never happen 2=Highly Unlikely 3=Unlikely 4=Unsure/Don't know 5=Likely 6=Highly Likely 7=Happening right now 888=Don't know 999=Prefer not to respond	(Code)
	E26. In the next 3 years, how likely is it that the government will sell or give away the customary forestland used by this village for investment purposes without authorization from the village?	1=Impossible/would never happen 2=Highly Unlikely 3=Unlikely 4=Unsure/Don't know 5=Likely 6=Highly Likely 7=Happening right now 888=Don't know 999=Prefer not to respond	(Code)

SECTION F. FOREST PRODUCTS

Now I would like to ask you about wild products that members of your household collect from the forests. First, please tell me about the three most important forest products your household collects for INCOME PURPOSES, and then I will ask you additional questions about each of them.

	Wood/forest product	F.1 Please rank the three most important products your household collects from forests FOR INCOME? (income_product) <i>Select three items from this list (1-3) Answer questions F2-F5 for those three products</i>	If TIMBER is selected: What species of timber is most important? 1=Moiombo 2=Gricidia 3=Mukwa 4=Mubanga 5=Mulambe 6=Mupani 7=Pingo 8=Kamponi 9=Mwazamasaka 10=Misenga 97=Other, specify	F2. On average, what quantity of this product do you typically collect in a MONTH? (yproduct_quant)	F2a. Unit (wood) 1. Small bundle 2. Large bundle 3. Piece 97. Other	F2b. Unit (coal) 1. Plastic bag 2. 10kg bag 3. 25kg bag 4. 50 kg bag 5. 90 kg bag	Unit (harvest products) 1. Meda 2. b.p. 3. Heap 4. Tin 5. Gallon 6. kg 7. Plate 8. Piece 9=Dish 10=Basket 11=Ox cart 97. Other	Unit (honey) 1. Litre 2. Small bottle 97. Other
a	Timber							
b	Fuel wood							
c	Charcoal							
d	Wood for wood carving							
e	Wood for poles							
f	Fruit, nuts, seeds, roots, berries, etc.							
g	Mushrooms							
h	Fodder/Animal Feed							
i	Rattan							
j	Plant medicines							
k	Herbs and spices							
l	Materials for dying/tanning							
m	Seeds (for regeneration purposes)							
n	Fibres (for rope, etc)							
o	Other plant products							
p	Wildlife (including bushmeat)							
q	Honey from forest beekeeping activities							

r	Caterpillar							
s	Other, specify							
	None							

SECTION F. FOREST PRODUCTS

Wood/forest product	F3. On average, how many months of the year do you typically collect this product? <i>Integer from 1-12</i>	F4. Where does your household sell <product>? <i>Select all that apply</i> 1. In the village, to anyone 2. At an informal place outside the village 3. At a formal market 4. Directly to a company, picked up in the village 5. Directly to a company, picked up outside the village 6=At the boma 7=At the roadside 777=Do not sell products 97=Other 888=Don't know 999= Prefer not reply	F.5 Over the last 12 months what was your total household income from selling <product>?
Timber			
Fuel wood			
Charcoal			
Wood for wood carving			
Wood for poles			
Fruit, nuts, seeds, roots, berries, etc.			
Mushrooms			
Fodder/ Animal Feed			
Rattan			
Plant medicines			
Herbs and spices			
Materials for dying/tanning			
Seeds (for regeneration purposes)			
Fibres (for rope, etc)			
Other plant products			
Wildlife (including bushmeat)			
Beekeeping activities (e.g. honey)			
Caterpillar			
Other, specify			
None			

SECTION F. FOREST PRODUCTS

Next, please tell me about the three most important forest products your household collects for CONSUMPTION purposes. Then I will ask you additional questions about each of them.

Wood/forest product	F.6 Please rank the top three most important products for the household's own consumption. <i>Select three items from this list (1-3) Answer questions F7-F9 for those three products</i>	F.6b. If TIMBER is selected: What species of timber is most important? 1=Moiombo 2=Gricidia 3=Mukwa 4=Mubanga 5=Mulambe 6=Mupani 7=Pingo 8=Kamponi 9=Mwazamasaka 10=Misenga 97=Other, specify	F.7 On average, what quantity of this product do you typically collect in a MONTH?	F7a. Unit (wood) 1. Small bundle 2. Large bundle 3. Piece 97. Other	F7b. Unit (coal) 1. Plastic bag 2. 10kg bag 3. 25kg bag 4. 50 kg bag 5. 90 kg bag	F7c. Unit (harvest products) 1. Meda 2. b.p. 3. Heap 4. Tin 5. Gallon 6. kg 7. Plate 8. Piece 9=Dish 10=Basket 11=Ox cart 97. Other	F7d. Unit (honey) 1. Litre 2. Small bottle 97. Other
Timber							
Fuel wood							
Charcoal							
Wood for wood carving							
Wood for poles							
Fruit, nuts, seeds, roots, berries, etc.							
Mushrooms							
Fodder/ Animal Feed							
Rattan							
Plant medicines							
Herbs and spices							
Materials for dying/tanning							
Seeds (for regeneration purposes)							
Fibres (for rope, etc)							
Other plant products							
Wildlife (including bushmeat)							
Beekeeping activities (e.g. honey)							
Caterpillar							

Other, specify							
None							

Wood/forest product	F8. On average, how many months of the year do you typically collect this product? <i>Integer from 1-12</i>	F.8. Has the availability of <product> changed over the past 3 years? 1=Increased greatly 2=Increased slightly 3=No change 4=Decreased slightly 5=Decreased greatly	F.9 What have you done in response to the decline in availability of <product>? <i>Ask if F8= 4 or 5</i> <i>See code 107</i> <i>Probe and code, Select all that apply</i>	107–Response to decline 1=It did not influence the harvest of forest products 2=Increase collection time (including travelling to areas further away) 3=Buy the product from other suppliers 4=Reduce harvesting of the product 5=Stop harvesting of the product 6=Substitute with other type of forest products 7=Substitute with agricultural products 8=Conserving standing trees 9=Planting trees 10= Restricting access/use of forest 97=Other, please specify
Timber				
Fuel wood				
Charcoal				
Wood for wood carving				
Wood for poles				
Fruit, nuts, seeds, roots, berries, etc.				
Mushrooms				
Fodder/ Animal Feed				
Rattan				
Plant medicines				
Herbs and spices				
Materials for dying/tanning				
Seeds (for regeneration purposes)				
Fibres (for rope, etc)				
Other plant products				
Wildlife (including bushmeat)				
Beekeeping activities (e.g. honey)				
Caterpillar				
Other, specify				
None				

SECTION G. FOREST DISPUTE

G.1 In the past 12 months, how many disputes over use or access to a forest have you or any member of your household experienced? (conflict) <i>For each conflict, ask G.2- G.10. If 0, skip to Section H.</i>	(Integer)
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Conflict	G.2 Which forest? <i>Use forest codes from supervisor to identify forest</i>	G.3. What was this dispute about? PROBE AND CODE <i>See code 112. Select all that apply</i>	G4. Who was the dispute against? <i>See codes 108</i> <i>Select all that apply</i>	G5. Is the dispute resolved? 0=No 1=Yes	G6. Where is the FIRST place this dispute was taken to be resolved? <i>See Code 110 Below</i>	G.7 Was the conflict solved by the FIRST place you took it to be resolved? 0=No 1=Yes <i>If 1, skip to G.9</i>	G.8 Are there any other places that the dispute was taken for resolution? <i>See Code 110 Below</i>	G.9 How much time did it take for the dispute to be resolved? <i>Skip if G5=0</i> <i>See code 109 below</i>	G.10 How satisfied were you with the outcome? <i>Skip if G5=0</i> <i>See Code 111 Below</i>	G.11 Did this conflict lead to violence or destruction of property?
1										
2										
3										
4										
5										

108–Parties in dispute	109–Time Period	110–Dispute Resolution Place	111–Satisfaction	112–Dispute Topic
1=Official or leader from your village 2=Official or leader from outside your village 3=Household/Strangers/migrants from another village 4=Chief or other higher authority figure 5=Forest service 6=ZAWA 97=Other, please specify	1=A couple days 2=About 1 week 3=Several weeks 4=About one month 5=Several month 6=About one year 7=2–3 years 8=More than 3 years	1=Headman/woman or induna 2=NGO 3=Cooperative farmer group 4=District Forestry Official 5=Village Land Committee 6=Village elders 7=Village action group 8=Chief / chief's induna or other higher authority 9=Resolved myself 10=Community resource board 11= Church 97=Other, please specify	1=Very satisfied 2=Satisfied 3=Neutral 4=Dissatisfied 5=Very dissatisfied 999=Prefer not to respond	1=Boundary disputes 2=Which NTFPs can and cannot be harvested from forests 3=Grazing of livestock in forests 4=Cutting trees in forests 5=Ownership over trees in forests 6=Fires or burning in the forest 7=Hunting or fishing 8=Intrafamilial conflicts (inheritance/divorce/etc) 97=Other, please specify 888=Don't know 999=Prefer not to respond

SECTION H. DEFORESTATION & CLIMATE CHANGE

	<p>H1. The following is a list of development problems often faced by people in this area. What are the five biggest problems facing your household? Please choose 5 from the list, and rank them from 1 to 5, with 5 being the biggest problem you face, and 1 being the smallest problem. <i>Enumerator: Please provide pictures as examples.</i></p>	<p>a= Forest degradation b= Changes in temperature c= Changes in rainfall d=Lack of jobs/income e= Lack of available schooling/education opportunities f=Bad roads g= Lack of health services h= Lack of electricity i= Land re-allocation j= Poor yields/lack of food</p>
H1a. 1st		(code)
H1b. 2nd		(code)
H1c. 3rd		(code)
H1d. 4th		(code)
H1e. 5th		(code)

	<p>H2. In the past 3 years, have you observed any of the following changes in your village? <i>Select all that apply.</i></p>	<p>1=Reduced rainfall 2=Increased rainfall 3=Changes in seasonal patterns (e.g. when rainy and dry seasons begin) 4=Changes in intensity/concentration of rainfall (e.g. all the rain falls in fewer days than before) 5=Drought 6=Flooding/landslides 0=None 97=Other, please specify</p>	(code)
	<p>H3. In the past 3 years, have you observed any of the following changes in the forests in your village? <i>Select all that apply.</i></p>	<p>1=Decline in abundance of game and non-timber forest products 2=Change in seasons of flowering or fruiting 3=Decline in crops/harvest cycles in surrounding areas 4=Decline in productivity or health of fisheries 0=None 5=Increase in trees 6=Decrease in trees 97=Other, please specify:</p>	(code)
	<p>H4. In your opinion, besides harvested products, what are the three most important benefits the nearby forests (including relatively densely wooded areas, but not sparse trees on farms) provide to your village, apart from products that are harvested? <i>Please rank the top three</i></p>	<p>1=None 2=Soil protected 3=Soil fertility 4=Area for grazing areas 5=Water conservation 6=Water purification 7=Climate regulation 8=Disease control 9=Windbreak 10=Shade 11=Religious/spiritual 12=Cultural heritage 13=Recreation/tourism 14=Aesthetic/beauty 15=Education/scientific studies 16=Employment 17=Building material 18=Land for farming 19=Rainfall 97=Other, please specify 777=Not applicable – no forest</p>	
H4a. 1st		(code)	

H5. 2nd	(code)
H6. 3rd	(code)

H7. On a scale from 1 to 10, with 1 being the smallest problem and 10 being the biggest problem, how big of a problem are changes in rainfall patterns and/or changes in temperature to development of your village? <i>If the respondent is not sure, enter 0</i>	(Integer 1-10)
H8. On a scale from 1 to 10, with 1 being the smallest problem and 10 being the biggest problem, how big of a problem is deforestation or forest degradation to the development of your village? <i>If the respondent is not sure, enter 0</i>	(Integer 1-10)
Now I am going to read you a series of statements. Please tell me how much you agree or disagree with the following.	
H9. It is important that village members take steps reduce deforestation and the degradation of forest resources.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond
H.10 It is important that village members take steps to protect themselves from these changes in temperature and rainfall patterns.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond
H.11 I believe it is important to protect the forests in my village.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond

SURVEY EXPERIMENT I: Version I		
In the last year, how many of the following activities did you participate in to earn money for your household? I do not want you to tell me the names of the activities you participated in, only the total number of activities. Tell us HOW MANY, NOT which ones.	Activity 1= Farming, agriculture Activity 2= Petty trade Activity 3= Animal husbandry Activity 4= Salaried government job in Lusaka	(Integer)

SURVEY EXPERIMENT 1: Version 2

In the last year, how many of the following activities did you participate in to earn money for your household? I do not want you to tell me the names of the activities you participated in, only the total number of activities. Tell us HOW MANY, NOT which ones.	Activity 1= Farming, agriculture Activity 2= Petty trade Activity 3= Animal husbandry Activity 4= Salaried government job in Lusaka Activity 5= Harvesting and selling protected timber species	(Integer)
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SECTION I: FOREST VALUATION PART 2

Please rank/ grade the following list of assets/resources/ properties in terms of most important to least important for the future/development of your village from most important (5) to least important (1)
Enumerator, use pictures as necessary.

a. Health Clinic	(Integer)
b. Enough land to farm on	(Integer)
c. School	(Integer)
d. Paved roads	(Integer)
e. Forest resources	(Integer)
f. Electricity	(Integer)
g. Clean water	(Integer)
h. Salary jobs	(Integer)
i. Closer or more frequent markets	(Integer)
j. Conservation farming and eco-charcoaling practices that protect the environment	(Integer)
k. New farming techniques (ex: tree nursery, fruit orchards, vegetable production, crop diversification, wood lots, etc.)	(Integer)

SECTION J. GOVERNANCE AND ACCOUNTABILITY

Now I am going to ask you some questions about decision-making about forest-related issues in your village.

J1. In your village, what person or group is the most important decision maker about the forests that your village uses?	1=Headman 2=Headman's Induna 3=Chief 4= Chief's Induna 5=Council of Elders 6=Community resource board 7= Village Land Committee 8=Local government 9=DFO 10=Most or all villagers together 11=a local or national NGO 12=No one 13=Myself 97=Other, please specify	(Code)
J1b. If other, please specify	(Text)	
J2. How satisfied are you with how your village	1=Very satisfied	(Code)

	leaders manage forests in this village?	2=Satisfied 3=Neutral 4=Dissatisfied 5=Very dissatisfied 999=Prefer not to respond	
	J.3 In the past 12 months, were there any meetings held about forest use, management, disputes or resolutions of disputes held in your village? <i>If not 0, skip to J8</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	
	J.4 How many forestry-related meetings were held?	(Integer)	
	J5. How often did you or anyone in your household attend meetings about forest use, management, disputes or resolution of disputes? <i>If J4=5, skip to J7</i>	1=Always or nearly every time one was held 2=Often 3=A few times 4=Once or twice 5=Never 888=Don't know 999=Prefer not to respond	(Code)
	J6. How often do women from your household attend forestry-related meetings?	1=Always or nearly every time one was held 2=Often 3=A few times 4=Once or twice 5=Never 888=Don't know 999=Prefer not to respond	(Code)
	J7. Why did you or members of your household not attend these meetings? <i>Probe and code. Select all that apply.</i>	1=Not interested 2=Feel they are not useful 3=Was no informed/did not know about the meeting 4=Busy working/traveling 5=Was not invited to the meeting 6=Meeting only for village leaders/elders 7=Meeting only for men in the village 777=No meetings were held 97=Other, please specify	(Code)
	J7b. If other, please specify	(Text)	

[Showing ladder of power] This is a ladder of power from 1-10 , The people at the top (10) of the ladder make lots of important decisions and the people at the bottom (1) of the ladder do not have any say. Some people can also be at the middle, meaning, sometimes, they are high up on the ladder and some times they are low down on the ladder.		
J.8 Where are the following people on this ladder when it comes to making decisions about forest use and management in this village?		
a. Village members as a group	(Integer 1-10)	
b. Headman	(Integer 1-10)	
c. Women	(Integer 1-10)	
d. Chief	(Integer 1-10)	

e. Elders	(Integer 1-10)	
d. Youth	(Integer 1-10)	

Now I am going to read some statements about forest management in your village. Please tell me how much you agree or disagree.

J9. The village leaders in charge of forest management are trusted and honest.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J10. The village leaders protect shared village forests from being taken or encroached upon.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.11 The village leaders allow fair access to the forest and forest products	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.12 The village leaders work hard to protect the forests and forest resources.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.13 The village leaders do not take bribes around forest issues, such as related to forest management, permits, fines or other forest use..	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.14 Decision-making by village leaders about forest use and access is open and transparent.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J15. I feel that rules about forest access and use are easy to understand.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree	(Code)

	888=Don't know 999=Prefer not to respond	
J16. I feel that rules about forest access and use are well-known by most people in the village.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.17. I feel that rules about forest use are fair.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.18. I feel that rules about forest access are fair.	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.19 I feel that women are disadvantaged in decisions about forest use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.20 I feel that youth are disadvantaged in decisions about forest use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.21 I feel that poor households are disadvantaged in decisions about forest use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J.22 I feel that elderly people are disadvantaged in decisions about forest use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
J23. If I have a dispute about forest use and access, I feel confident that the local village	1=Strongly agree 2=Agree	(Code)

	governing bodies/institutions will enforce my rights to the forest.	3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	
	J.24 Are there any groups in your village or village area that organize activities related to the management of the forest (e.g., firefighting, patrolling, tourism, tree planting, etc.)? <i>If 0, skip to J27</i>	0=No 1=Yes 888=Don't know	
	J25. Is any member of your household involved in one of these groups?	0=No 1=Yes 888=Don't know	(code)
	J26. What type of activities does the group do? <i>Select all that apply</i>	1=Planting trees 2=Cutting down undesired/competing trees 3=Protecting certain desired trees in the forest to promote the natural regeneration of the species 4=Protecting areas of forest for particular environmental services, like water catchment 5=Protecting areas of forest for particular beliefs/spiritual services 6=Establishing rules around who can access and use specific forest products (e.g. honey, trees) 7=Extension/education about forest management 8=Enacted bylaws (eg no bush burning in the forest) 9=Mapping/inventory of forest resources 10=Patrolling the forest 11=Fighting forest fires 12=Engaging in forest-based income activities, such as a beekeeping group 13=Engaging in forest-based tourism activities, such as guiding 97=Other, please specify	(code)
	J.26b Other, specify		
	J27. Does your village have a local village institution or committee that helps manage the local forest(s)? <i>If 0, skip to J.37</i>	0=No 1=Yes 888=Don't know	(Code)
	J28. Did you or any other household members participate in electing the current leadership?	0=No 1=Yes 888=Don't know	(Code)
	J28a. Did any women in your household participate in electing the current leadership	0=No 1=Yes	(Code)

	or members?	888=Don't know	
	J29. Are you a leader of this group, which helps to manage local forests?	0=No 1=Yes 888=Don't know	(Code)
	J.30 Are any leaders of this group women?	0=No 1=Yes 888=Don't know	(Code)
	J31. Are you a member of this group?	0=No 1=Yes 888=Don't know	(Code)
	J32. Do members of this group have to be landowners?	0=No 1=Yes 888=Don't know	(Code)
	J.33 Are any members of this group women?	0=No 1=Yes 888=Don't know	(Code)
	J34. How satisfied are you with how this village committee/institution is managing the local forest(s)?	1=Very satisfied 2=Satisfied 3=Neutral 4=Dissatisfied 5=Very dissatisfied 999=Prefer not to respond	(Code)
	J.35 Does this village committee/institution collect fees or fines for forest use?	0=No 1=Yes 888=Don't know	(Code)
	J36. How satisfied are you with the village- or co- forest management rules in your village?	1=Very satisfied 2=Satisfied 3=Neutral 4=Dissatisfied 5=Very dissatisfied 999=Prefer not to respond	(Code)
	J37 How well are village- or co- forest management rules enforced in your village?	1=Very strong enforcement (violators are always punished) 2=Strong enforcement (violators are usually punished) 3=Sometimes strong/sometimes weak (sometimes violators are punished) 4=Weak enforcement (violators are rarely punished) 5=Very weak enforcement (Violators are never punished) 999=Prefer not to respond	(Code)
	J38. My household has good information about how forest management revenues and expenditures are handled by the committee/institution in my village	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
	J39. My household has sufficient knowledge about forest management to participate in	1=Strongly agree 2=Agree	(Code)

developing forest management rules to guide village- or co- forest management in my village	3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	
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SECTION K. OVERALL FARMLAND QUESTIONS

Now I would like to ask about the FARMLAND that your household used during the 2014/2015 agricultural season.

K1. During this agricultural year (2014/2015), what is the total land area that your household owns?	(Integer)
K1b. Units 1=Lima 2=Acre 3=Hectare 4=Square meter 777=NA 888=Don't know	(Code)
K2. What is the total number of fields that your household owns? <i>A field is defined as a piece of land with distinct boundaries defined by land-use</i>	(Integer)
K3. During this agricultural year (2014/2015), what is the total land area that your household RENTS-IN from other households? <i>Either cash payment or in-kind</i>	(Integer)
K3b. Units 1=Lima 2=Acre 3=Hectare 4=Square meter 777=NA 888=Don't know	(Code)
K4. What is the total number of fields that your household RENTS-IN from other households?	(Integer)
K5. During this agricultural year (2014/2015), what is the total land area that your household BORROWS-IN from other households? <i>No payment or in-kind contribution expected</i>	(Integer)
K5b. Units 1=Lima 2=Acre 3=Hectare 4=Square meter 777=NA 888=Don't know	(Code)
K6. What is the total number of fields that your household BORROWS-IN from other households?	(Integer)
K7. During this agricultural year (2014/2015), what is the total land that your household RENTS-OUT to other households? <i>Either cash payment or in-kind</i>	(Integer)
K7b. Units 1=Lima 2=Acre	(Code)

	3=Hectare 4=Square meter 777=NA 888=Don't know	
K8. During this agricultural year (2014/2015), what is the total land that your household LENDS-OUT to other households? <i>No payment or in-kind contribution expected</i>		(Integer)
K8b. Units	1=Lima 2=Acre 3=Hectare 4=Square meter 777=NA 888=Don't know	(Code)
K9. Enumerators calculate: How many fields in total does the household own, rent-in, or borrow from another household? <i>This is the number of fields that you will ask the field roster questions about</i>		(Integer)
K10. How many of your fields were farmed for subsistence or cash crops during this agricultural year (2014/2015)? <i>Only consider land that is owned, rented in, or borrowed; not land that is rented out or lent to others</i>		(Integer)
K11. How many of your fields were used as pastures or other non-cropped uses, during this agricultural year (2014/2015)? <i>Only consider land that is owned, rented in, or borrowed, not land that is rented out or lent to others</i>		(Integer)
K12. How many of your fields did you leave fallow during this agricultural year (2014/2015)? <i>Only consider land that is owned, rented in, or borrowed, not land that is rented out or lent to others</i> <i>Enumerator hint: Fallow land is a piece of land that is normally used for agricultural purposes, but is left with no crops on it for one season or more, typically in order to help the land regenerate.</i>		(Integer)
K13. How many fields did your household plant agroforestry trees on during this agricultural year (2014/2015)? <i>Agroforestry trees include musangu, gliricidia, ububa, etc. Do not include pigeon peas or cowpeas.</i>		(Integer)
K14. How many virgin fields did your household clear from bush for the first time during this agricultural year (2014/2015)? <i>Only consider land that is owned, rented in, or borrowed, not land that is rented out or lent to others</i> <i>Enumerator hint: Virgin fields are fields that were in their natural state that had not previously been used for agriculture.</i>		(Integer)

	<i>In other words, these are fields that the household cleared from the bush for the first time during the agricultural year.</i>	
	K15 How many MORE new acres of land do you plan to clear in the next 3 years (i.e., by 2018)? <i>Enumerator – This refers to forested/undeveloped land.</i>	(Integer)
	K16. In the past 3 years, has your household requested or tried to obtain additional land in this village for use by your household? <i>If K.18=0, skip to K.23</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond (Code)
	K17. From whom did you request this land?	1=Headman 2=Headman's Induna 3=Chief 4= Chief's Induna 5=Village as a whole 6=No one 97=Other, please specify (Code)
	K17b. If other, please specify	(Text)
	K18. How much land did your household request?	(Integer)
	K18b. Units	1=Lima 2=Acre 3=Hectare 4=Square meter 777=NA 888=Don't know (Code)
	K19. What was the area of the land obtained?	(Integer)
	K19b. Units	1=Lima 2=Acre 3=Hectare 4=Square meter 777=NA 888=Don't know (Code)
	K20. What was the condition of the land when the household obtained it?	1=Undeveloped 2=Fallow 3=Productive 4=Forested 97=Other, please specify (Code)
	K20b. If other, please specify	(Text)
	K21. In the past 3 years, has your household ever had land reallocated by village or chief authorities to be used (by another person, group or organization)? (<i>If 0, skip to Module L</i>)	0=No 1=Yes 888=Don't know 999=Prefer not to respond (Code)
	K22. How many times in the past 3 years has your household had land reallocated?	(Integer)
	K23. Why was the land reallocated? <i>Select all that apply</i>	1=Given to another person/village in the village for agriculture 2= Give newcomers land 3=Give to an outside investor (Code)

	97=Other, specify.	
K24. How much TOTAL land was reallocated?	(Integer)	
K24b. Units	1=Lima 2=Acre 3=Hectare 4=Square meter 777=NA 888=Don't know	(Code)
K25. Was your household compensated for losing access to land and resources? <i>If 0, skip to Section L</i>	0=No 1=Yes	(Code)
K25b. If so how? Select all that apply.	1=Given land elsewhere 2=Given money 3= Given in-kind payment 888=Don't know	(Code)
K.26 What was the value of the compensation?		
K.27 Please describe the compensation the household received. Please include any land given, a description of any in-kind payments, and the value of monetary compensation received.	(Text)	
K.28 Was the value of the compensation enough to cover the value of the land and resources lost?	1=Yes, a lot more 2=Yes, a little more 3=Exactly the same value 4=No, a little less 5=No, a lot less	(Code)
K.29 Do you believe that the value of compensation was fair?	1=Very fair 2=Fair 3=Neither fair nor unfair 4=Unfair 5=Very unfair 888- Don't know 999=Refused to answer	

SECTION L. FIELD OVERVIEW

Now I would like to learn more about each of the fields that your household OWNS, RENTS-IN or BORROWS-IN. Let's start with a discussion of your largest field.

Field	L1. Field name	L2. What is the area of this field?		L3. What is the distance and walking time from your house to the field? <i>One way, from the main household</i>		L4. During this last agricultural season (2014–2015), did your household farm this field, leave it fallow, or use it for pasture or some other non-agricultural use? See code 113 below If 1 or 4, skip to L6	L5. What are the two most important reasons why your household chose to leave this field fallow? (See Code 114 below) Probe and code	L6 Does this field have a fence? 0=No 1=Yes	L7 Is this field irrigated? 0=No 1=Yes	L8 Have you planted basins on this field in the past 5 years? 0=No 1=Yes	L9 Have you ripped this field in the past 5 years? 0=No 1=Yes
		Area of field	Unit 1=lima 2=acre 3=hectare 4=square meter	Distance Units 1=meters 2=km	Walking time (minutes)						
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

113–Field Purpose	114–Why Fallow	115–Crop Code			
1=Farmed this field 2=Left this field fallow 3=Left this field in improved fallow 4=Used this field as pasture/other non-agricultural use	1=Prevent soil erosion 2=Protect from floods 3=Improve soil quality 4=Improve crop yields 5=Strengthen claim to land 6=Raise market value of land for later sale 7=Strengthen ability to bequeathland to children 8=Raise value of land to use as collateral 777= No reason	1=Local maize 2=Composite (pollinated) maize 3=Hybrid maize 4=Cassava 5=Sweet potato 6=Irish potato 7=Groundnet 8=Ground bean (Nzama) 9=Rice	11=Sorghum 12=Pearl millet (mchewere) 13=Bean 14=Soyabean 15=Pigeon Peas 16=Burley tobacco 17=Tobacco (other) 18=Cotton 19=Sugarcane	10= Finger millet	20=Cabbage Tanaposi 21=Nkhwani 22=Therere/Okra 23=Tomato 24=Onion 25=Peas 26=Trees or woodlot 27=Sunflower 97=Other, please specify

	97=Other, please specify		
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Field	L10. What was the main crop your household planted on this field during this agricultural season (20143/20154)? <i>Answer only if L4=1 (See Code 115)</i>	L11. What was the method by which this field was acquired by your household? 1=Inherited 2=Allocated by village 3=Purchased 4=Rented 5=Borrowed 97=Other, please specify <i>If L11=1, skip to L14 If L11=3 or 4, skip to L13 If L11= 3,4, 97, Skip to L13.</i>	L12. Who allocated the land? 1=Headman 2=Headman's Induna 3=Chief 4= Chief's Induna 5=Village Committee 6=Elders 97=Other, please specify	L13. How much did you pay to acquire this land?	L14. What year did your household acquire this field? <i>If they don't know because it has been in the family a long time, enter 777</i>	L15. What year did you clear the field? <i>If they did not clear the field/was cleared when they got it, enter 777</i>	L16 What is the primary soil type of this field? <i>Texture, not color</i> 1=Clay 2=Sandy 3=Loamy 4=Silt 6=Gravel 97=Other	L17 Overall, what is the slope of this field? 1=Flat 2= Slightly sloped 3= Steeply sloped
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

Across all of your fields, please indicate the main crops planted/harvested during the **2013/2014** agricultural season, and indicate amounts consumed, sold or given away (see code 115 above):

Enumerator: Note that this is a DIFFERENT SEASON than the planting questions!

Main Crop Indicated	L20. Size area planted (Indicate Limas, Hectares, Acres, # basins)		L21. # bags harvested	L21b. Size Bags (KG)	L22. # bags sold	L22b. Price / Bag	L23. # bags consumed (household)	L24. # bags given away
	Amount	Unit						

SECTION M. TENURE STATUS

Field	Field name	M1. What is the tenure status of this field? 1=State land 2=Former customary land converted to state land 3=Customary 97=Other, please specify 888=Don't know 999=Prefer not to answer	M2. Do you or your household have any kind of paper documentation for this field? 0=No 1=Yes 888=Don't know 999=Prefer not to respond <i>If not 1, skip to M5</i>	M3. What type of documentation does your household have for this field? <i>See code 118 below</i>	M4 Who's names appear on the document? <i>Select all that apply</i> 1=Household head 2=Spouse 3=Children 4=Parents of head or spouse 5=Entire community/headman/chief 6= Previous owner 97=Other	M5 Would you like to have paper documentation for this field? 0=No 1=Yes 888=Don't know 999=Prefer not to respond	M6 Why would you like to have paper documentation for this field? <i>Ask if M5=1</i> <i>Probe and code, select all that apply</i> <i>See codes 320 below</i>	M7 Would you be willing to pay money for paper documentation for this field? <i>Ask if M5=1</i> <i>If No, Skip to M8</i> 0=No 1=Yes 888=Don't know 999=Prefer not to respond	M8 Why would you not like to have paper documentation for this field? <i>Ask if M5=0</i> <i>Probe and code, select all that apply</i> <i>See codes 321 below</i>
1									
2									
3									
4									
5									
6									
7									

118- Documentation type	119- Likelihood scale	320- Paper doc why	321- Paper doc why not
1=Customary land certificate 2=State land lease/title—14 year lease 3=State land lease/title—99 year lease 4=Letter of consent not yet registered with the Ministry of Lands 5=Other documentation	1=Impossible/would never happen 2=Highly unlikely 3=Unsure/I don't know 4=Likely 5=Very Likely 6=Happening right now 999=Prefer not to respond	1=Reduce likelihood of losing my land 2=Protects investments I have made on my land 3=Strengthens the ability for my children to inherit the land 4=Helps me obtain access to credit 5=Proof that I own the land 6=Just to have it 7=Because the headman/chief/government will make me get it 8=To reduce disputes 97= Other	1=Not necessary, my land is secure 2=Don't want to pay taxes/fees 3=Will make it easier to have my land reallocated 4= Will increase disputes 5=Have not had it before, not how we do things 6=I don't have any information about it 7=Just don't want 8=Not my land 97=Other

Field	M9. In the next 3 years, how likely do you think it is that other households within your village may try to cross-over your boundaries (step on your side) and take or use some of this field? (See Code 119)	M10 In the next 3 years, how likely do you think it is that elites/big people from outside this chiefdom may take this field without your permission/ agreement? (See Code 119)	M11. In the next 3 years, how likely do you think it is that people from a neighboring village with encroach/cross-over to use this field? (See Code 119)	M12. In the next 3 years, how likely do you think it is that the chief will give this field up for investment purposes? (See Code 119)	M13. In the next 3 years, how likely do you think it is that the village headman will re-allocate some or all of this field to another household or for other purposes: (See Code 119)	M14. In the next 3 years, how likely is it that someone from within your extended family will take over the use of this field: (See Code 119)	M15. How many seasons could you let this field lie fallow without being worried about the field being reallocated to another household? <i>If they do not think it will ever be reallocated, enter 777</i>	M16. Have you experienced any land disputes relating to this field over the past 3 years? 0=No 1=Yes 888=Don't know 999=Prefer not to respond	M.17 Have any of these disputes lead to violence or the destruction of property? <i>Ask if M16=1</i> 0=No 1=Yes 888=Don't know 999=Prefer not to respond
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

M.18 Does anyone outside of your household make decisions about how you manage your fields? (For example, crops that you can plant or what to do with surplus crops) <i>If 0, skip to M20</i>	0=No 1=Yes
M.19 Who makes decisions about your fields?	1=Family member outside the household 2=Non-related village member 3=Headman/induna 4=Village elders 5=Other village committee 6=Chief/induna 7=Government official 97=Other
M.19b Other, specify	

	M.20 Thinking about disputes over the last 1 year across all of your fields, can you please tell me how many disputes your household has experienced about each of the following topics:	
	a. Boundaries	
	b. Inheritance	
	c. Livestock grazing	
	d. Land allocation	
	e. Renting land	
	f. Tree cutting/ownership	
	g. Fire/burning	
	h. Fencing	
	i. All other conflict types	

SURVEY EXPERIMENT 2: Version I			
	<p>In the last year, how many of the following activities did you participate in to earn money for your household? I do not want you to tell me the names of the activities you participated in, only the total number of activities. Tell us HOW MANY, NOT which ones.</p>	<p>Activity 1= Collecting fuelwood Activity 2= Harvesting mushrooms Activity 3= Conservation farming Activity 4= Selling horses</p>	<p>(Integer)</p>

SURVEY EXPERIMENT 2: Version 2

In the last year, how many of the following activities did you participate in to earn money for your household? I do not want you to tell me the names of the activities you participated in, only the total number of activities. Tell us **HOW MANY**, NOT which ones.

Activity 1= Collecting fuelwood
Activity 2= Harvesting mushrooms
Activity 3= Conservation farming
Activity 4= Selling horses
Activity 5= Charcoaling

(Integer)

SECTION N: FARMLAND GOVERNANCE

Now I am going to ask you some questions about decision-making about forest-related issues in your village.

	N1. Does your village have a Village Land Committee?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	
	N2. In your village, what person or group is the most important decision maker about the forests that your village uses?	1=Headman 2=Headman's Induna 3=Chief 4= Chief's Induna 5=Council of Elders 6=Village Land Committee 7=Local government 8=Department of agriculture/ extension officers 9=Most or all villagers together 10=a local or national NGO 97=Other, please specify	(Code)
	N2b. If other, please specify	(Text)	
	N3. How satisfied are you with how your village leaders manage forests in this village?	1=Very satisfied 2=Satisfied 3=Neutral 4=Dissatisfied 5=Very dissatisfied 999=Prefer not to respond	(Code)
	N4. In the past 12 months, were there any meetings held about land use, management, disputes or resolutions of disputes held in your village? <i>If not 0, skip to N9</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	
	N4a. How many land-related meetings were held?		
	N5. How often did you or anyone in your household attend meetings about land use, management, disputes or resolution of disputes? <i>If N5=5, skip to N9</i>	1=Always or nearly every time one was held 2=Often 3=A few times 4=Once or twice 5=Never 888=Don't know	(Code)

		999=Prefer not to respond	
	N6. How often did women from your household attend land-related meetings?	1=Always or nearly every time one was held 2=Often 3=A few times 4=Once or twice 5=Never 888=Don't know 999=Prefer not to respond	(Code)
	N7. Why did you not attend these meetings? <i>Probe and code. Select all that apply.</i> Ask If N5=5	1=Not interested 2=Feel they are not useful 3=Was no informed/did not know about the meeting 4=Busy working/traveling 5=Was not invited to the meeting 6=Meeting only for village leaders/elders 7=Meeting only for men in the village 97=Other, please specify 777=No meetings were held	(Code)
	N8. If other, please specify	(Text)	

[Showing ladder of power] This is a ladder of power from 1-10 , The people at the top (10) of the ladder make lots of important decisions and the people at the bottom (1) of the ladder do not have any say. Some people can also be at the middle, meaning, sometimes, they are high up on the ladder and sometime they are low down on the ladder.		
N.9 Where are the following people on this ladder when it comes to making decisions about land use and management in this village?		
a. Village members as a group	(Integer 1-10)	
b. Headman	(Integer 1-10)	
c. Women	(Integer 1-10)	
d. Chief	(Integer 1-10)	
e. Elders	(Integer 1-10)	
d. Youth	(Integer 1-10)	

Now I am going to read some statements about forest management in your village. Please tell me how much you agree or disagree.

N.10 I feel that village leaders allocate and fairly across households	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
N.11 I feel that land related decision making by village leaders is transparent	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
N.12 I feel that rules about land use and management are fair	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
N.13 I feel that rules about land use and management are easy to understand	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
N.14 I feel that rules about land use and management are well-known by most people in the village	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
N15. I feel that women are disadvantaged in decisions about land use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree	(Code)

	4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	
N.16 I feel that youth are disadvantaged in decisions about land use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
N17. I feel that poor households are disadvantaged in decisions about land use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)
N18. I feel that elderly households are disadvantaged in decisions about land use and access	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know 999=Prefer not to respond	(Code)

SECTION O : INCOME FROM OFF-FARM LABOR AND REMITTANCES

Now I am going to ask about any income your household may have received from off-farm labor or remittances.

<p>O1. Thinking over the past year, how much TOTAL income did your household earn? In ZMK</p> <p>1= 0-2000 2=2001-5000 3= 5,001-10,000 4= 10,001-15,000 5= Greater than 15,000 888=Don't know 999=Prefer not to respond</p>	(code)
O2 Thinking over the past year, how much income did your household receive from work on a small or large-holder farm?	(integer)
O.3 Thinking over the past year, how much income did your household receive from work in the tourism industry?	(integer)
O.4 Thinking over the past year, how much income did your household receive from a salaried job (not tourism)?	(integer)
O5. Thinking over the past year, how much income did your household receive from petty trade?	(integer)
O6. Thinking over the past year, how much income did your household receive from selling livestock or livestock products? (sale of skins/hides/milk/eggs)	(integer)
O7. Thinking over the past year, how much income did your household receive from sale of forest-based products (including for example, firewood, charcoal, timber, honey,)	(integer)
O8. Thinking over the past year, how much income did your household receive from forest-based activities, such as patrolling, guiding, eco-tourism activities, forest products sales, or carbon payments	(integer)
O9. Thinking over the past year, how much income did your household receive from remittances or pensions?	(integer)
<p>O10. Thinking over the past year, did you household receive any cash, in kind or labor for renting out one or more of your fields to another household?</p> <p>Probe and code If O10=777, skip to O.13</p> <p>1=Cash 2=In-kind 3=Labor 97=Other, please specify 777=Not applicable</p>	(code)
O.10b Other, specify	
If).10=1 O11. How much cash payment did you receive for renting out your fields over the past year?	(integer)
If O10=2 O12. What is the estimated cash value of in-kind items you received for renting your fields over the past year?	(integer)
If O10=3	(integer)

	the use/management of benefits at the village level 6=No improvements 97=Other, specify	
	O.20b Other, specify	

SECTION P: LIVESTOCK ASSETS

Now I would like to ask you about the number of livestock that your household currently owns.

P1. How many cattle does your household own?	(integer)
P2. How many oxen does your household have?	(integer)
P3. How many donkeys does your household own?	(integer)
P4. How many chickens does your household own?	(integer)
P5. How many goats does your household own?	(integer)
P6. How many pigs does your household own?	(integer)
P7. How many rabbits does your household own?	(integer)
P8. Do any of your livestock graze in the forest?	0=No 1=Yes (code)

SECTION Q. HOUSEHOLD AND AGRICULTURAL ASSETS

Now I would like to ask you about the number of household and agricultural assets that your household currently owns. Include assets that are currently not working. (Count all assets, even if they do not work)

item_id	How many of these items do you currently own?	
Q1	Mobile Phone	
Q2	Radio	
Q3	TV	
Q4	Cars, Vans, Pick-up Trucks	
Q5	Motorcycle	
Q6	Bicycle	
Q7	Cook stove	
Q8	Refrigerator	
Q9	Water pump/treadle pump	
Q10	Solar panel	
Q11	Pick axe	
Q12	Hand hoes	
Q13	Wheel barrow	
Q14	Drip irrigation set	
Q15	Sprinklers	
Q16	Efficient wood burning stove/brazier	
Q17	Pressure cooker	
Q18	Canoe	
Q19	Sewing machine	

Q20	How many meals did your household eat meat the following in the last 7 days? <i>Enumerator: Please define meat as beef, chicken, fish, pork, and bush meat. Do not include caterpillars, insects, etc.</i>	(integer)
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Q21. What months of the year, if any, did your household experiences “hunger”? (Enter 999 if prefer not to respond) (hunger)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

Q22. Does your household have access to clean water?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(Code)
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Please tell me how much your household spent on the following items in the past month in ZMK

Q23 Food (purchased)	(Integer)
Q24. Energy/fuel	(Integer)

Please tell me how much your household spent on the following items in the past year (in ZMK).

Farming Expenses

Q25. Seeds	(Integer)
Q26. Equipment	(Integer)
Q27. Fertilizer	(Integer)
Q28. Insecticide / Herbicide	(Integer)
Q29. FIMA or other government input programs	(Integer)

Other Expenses

Q30. Medical expenses	(Integer)
Q31. School	(Integer)
Q32. Business Assets (durables)	(Integer)
Q33. Veterinary costs / Fodder/animal feed	(Integer)
Q34. Household durables (ex. TV, phones, furniture, etc.)	(Integer)
Q35. Loan repayment/ Interest on loans	(Integer)
Q36. Clothing	(Integer)
Q37. Send money to relatives	(Integer)
Q38. Festivals, funerals, weddings, or other celebrations	(Integer)

Q39. What is the primary type of fuel that your household utilizes for cooking?	1=Electricity or gas 2=Oil	(Code)
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		3=Wood 4=Charcoal 5=small sticks or scrap wood 6=Weeds, leaves, dung 97=Other, please specify 888=Don't know 999=Prefer not to respond	
	Q39b. If "Other," please specify?	(Text)	

SECTION R: ENERGY SOURCES AND UTILIZATION

	R1. Does your household use charcoal? <i>If 0, skip to R.3</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(Code)
	R2. What is the quantity of charcoal used per month, on average?	(integer)	
	R2b. Unit	1=Plastic 2=10kg bag 3=25kg bag 4=50kg bag 5=90 kg	(Code)
	R3. What is the quantity of fuel wood used per month, on average?	(integer)	
	R3b. Unit	1=Small Bundle 2= Large Bundle 3=Piece 4- Oxcart	(Code)
	R4. How many hours per week do household members spend gathering fuelwood? <i>In person-hours</i>	(integer)	

Fuel source	a. Are you currently using <fuel> in your household? 0=No 1=Yes <i>If 1, skip Q.8 and go to next fuel source</i>	b. What is the main reason you are not currently using <fuel>? 1=Too expensive 2=Not available 3=Don't know how to use it/don't know about it 4=More time-consuming 5=Because of the smell 6=Just don't want to	7=No reason to use an alternative – there is plenty of wood/charcoal 8=Cultural reasons /tradition 9= Health/safety concerns 10=Use something else instead 97=Other, please specify
R6. Diesel			
R7. Manure			
R8. Electricity			
R9. Gas			
R10. Kerosene/ paraffin			
R11. Solar			
R12. energy-efficient cookstove			

SECTION 5. CLIMATE CHANGE ADAPTATION

We would like to learn about shocks from climate change and weather extremes that affected your household in the past 5 years. Has this 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?

S1. In the past 3 years, has your household been affected by a DROUGHT ? <i>If 0, skip to R8</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(Code)
S2. Thinking of the worst drought, how well or poorly was your household able to respond to the drought?	1=Very well 2=Somewhat well 3=Neutral response 4=Somewhat poorly 5=Very poorly 888=Don't know 999=Prefer not to respond	(Code)
S3. What was the result of the drought on your HH? <i>Select all that apply</i>	1=Reduced crop yield 2=Crop failure 3=Reduced HH consumption 4=Loss of assets 5=Loss of income 6=Livestock sickness 7=Livestock death 8=Human sickness 9=Human death 10=Pests or diseases that affected the crops before they were harvested 11=Pests or diseases that led to crop/storage losses 12=Pests or diseases that affected livestock 97=Other, please specify 888=Don't know 999=Prefer not to respond	(Code)
S4. Thinking of the worst DROUGHT that your household experienced during 2012–2014, what adjustments/adaptations did your household make during the drought? <i>Select all that apply</i>	(SEE CODE 120)	(Code)
S4b. If other, please specify	(Text)	
S5. Are there any changes you wanted to make but were unable to make? <i>Select all that apply</i>	(SEE CODE 120)	(Code)
S5b. If other, please specify	(Text)	
S6. If so, why did you not make those changes? Skip if S5= NONE <i>Select all that apply</i>	1=Lack of money 2=Lack of information 3=Shortage of labor 4=Shortage of Land 97=Other, please specify	(Code)
S6b. If other, please specify	(Text)	
S7. How did your household cope with this shock?	1=Harvest more forest products 2=Harvest more wild foods not found in the	(Code)

	<p>Select all that apply</p> <p>forest</p> <p>3=Harvest more agricultural products</p> <p>4=Spend cash savings</p> <p>5=Sell assets (Land, livestock, etc.)</p> <p>6=Do extra casual labor</p> <p>7=Assistance from friends or relatives</p> <p>8=Assistance from NGO, community organization, religious organization, etc</p> <p>9=Get loan from money lender, credit associations, etc</p> <p>10=Reduce household spending</p> <p>11=Did nothing in particular</p> <p>12=Looked elsewhere for food</p> <p>13=Did some petty trade/small business</p> <p>14=Used less water for household use</p> <p>15=Change when you plant or harvest</p> <p>97=Other, please specify</p> <p>888=Don't know</p> <p>999=Prefer not to respond</p>	
	S7b. If other, please specify	(Text)

	<p>S8. In the past 3 years, has your household been affected by a TOO MUCH RAIN/FLOODS?</p> <p>If 0, skip to S.15</p>	<p>0=No</p> <p>1=Yes</p> <p>888=Don't know</p> <p>999=Prefer not to respond</p>	(Code)
	<p>S9. Thinking of the worst drought your household experienced during 2012–2014, how well or poorly was your household able to respond to the RAIN/FLOODS?</p>	<p>1=Very well</p> <p>2=Somewhat well</p> <p>3=Neutral response</p> <p>4=Somewhat poorly</p> <p>5=Very poorly</p> <p>888=Don't know</p> <p>999=Prefer not to respond</p>	(Code)
	<p>S10. What was the result of the RAIN/FLOODS on your HH?</p> <p>Select all that apply</p>	<p>1=Reduced crop yield</p> <p>2=Crop failure</p> <p>3=Reduced HH consumption</p> <p>4=Loss of assets</p> <p>5=Loss of income</p> <p>6=Livestock sickness</p> <p>7=Livestock death</p> <p>8=Human sickness</p> <p>9=Human death</p> <p>10=Pests or diseases that affected the crops before they were harvested</p> <p>11=Pests or diseases that led to crop/storage losses</p> <p>12=Pests or diseases that affected livestock</p> <p>97=Other, please specify</p> <p>888=Don't know</p> <p>999=Prefer not to respond</p>	(Code)
	<p>S11. Thinking of the worst RAIN/FLOODS that your household experienced during 2012–2014, what adjustments/adaptations did your household make during the drought?</p>	(SEE CODE 120)	(Code)

	Select all that apply	
S11b. If other, please specify	(Text)	
S12. Are there any changes you wanted to make but were unable to make? Select all that apply	(SEE CODE I20)	(Code)
S12b. If other, please specify	(Text)	
S13. If so, why did you not make those changes? (noadaptwhy_2) Skip if S12=NONE Select all that apply	1=Lack of money 2=Lack of information 3=Shortage of labor 4=Shortage of Land 97=Other, please specify	(Code)
S13b. If other, please specify	(Text)	
S14. How did your household cope with this shock? Select all that apply	1=Harvest more forest products 2=Harvest more wild foods not found in the forest 3=Harvest more agricultural products 4=Spend cash savings 5=Sell assets (Land, livestock, etc.) 6=Do extra casual labor 7=Assistance from friends or relatives 8=Assistance from NGO, community organization, religious organization, etc 9=Get loan from money lender, credit associations, etc 10=Reduce household spending 11=Did nothing in particular 12=Looked for food elsewhere 13=Did some petty trade/small business 14=Used less water for household use 15=Change when you plant or harvest 97=Other, please specify	(Code)
S14b. If other, please specify	(Text)	
S15. In the past 3 years, has your household been affected by ERRATIC RAINS ? If 0, skip to Section S	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(Code)
S16. Thinking of the worst drought your household experienced during 2012–2014, how well or poorly was your household able to respond to the ERRATIC RAINS ?	1=Very well 2=Somewhat well 3=Neutral response 4=Somewhat poorly 5=Very poorly 888=Don't know 999=Prefer not to respond	(Code)
S17. What was the result of the ERRATIC RAINS on your HH? Select all that apply	1=Reduced crop yield 2=Crop failure 3=Reduced HH consumption 4=Loss of assets 5=Loss of income 6=Livestock sickness 7=Livestock death	(Code)

	8=Human sickness 9=Human death 10=Pests or diseases that affected the crops before they were harvested 11=Pests or diseases that led to crop/storage losses 12=Pests or diseases that affected livestock 97=Other, please specify 888=Don't know 999=Prefer not to respond	
S18. Thinking of the worst ERRATIC RAINS that your household experienced, what adjustments/adaptations did your household make during the drought? <i>Select all that apply</i>	(SEE CODE 120)	(Code)
S18b. If other, please specify	(Text)	
S19. Are there any changes you wanted to make but were unable to make? <i>Select all that apply</i>	(SEE CODE 120)	(Code)
S19b. If other, please specify	(Text)	
S20. If so, why did you not make those changes? Skip if S19=NONE <i>Select all that apply</i>	1=Lack of money 2=Lack of information 3=Shortage of labor 4=Shortage of Land 97=Other, please specify	(Code)
S20b. If other, please specify	(Text)	
S21. How did your household cope with this shock? <i>Select all that apply</i>	1=Harvest more forest products 2=Harvest more wild foods not found in the forest 3=Harvest more agricultural products 4=Spend cash savings 5=Sell assets (Land, livestock, etc.) 6=Do extra casual labor 7=Assistance from friends or relatives 8=Assistance from NGO, community organization, religious organization, etc 9=Get loan from money lender, credit associations, etc 10=Reduce household spending 11=Did nothing in particular 12=Looked for food elsewhere 13=Did some petty trade/small business 14=Used less water for household use 15=Change when you plant or harvest 97=Other, please specify	(Code)
S21b. If other, please specify	(Text)	

120-Adjustments/adaptations made

1=Construction of wells/borewells/deepening of wells 2=Invest in irrigation practices that reduce water use (drip irrigation/sprinklers) 3=Build a water harvesting scheme 4=Soil conservation techniques (farm bunds, farm ponds)	11=Agroforestry 12=Consult weather forecasts 13=Change from crop to livestock/mixed farming 14=Reduce number of livestock 15=Buy crop insurance
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5=Add manure or mulch to increase soil moisture 6=Crop water budgeting 7=Change crop variety/diversification 8=Shift to market or cash crops 9=Plant drought resistant crops 10=Plant earlier/later	16=Borrow money (e.g. from bank or family) 17=Invest in bank seed/grain bank at village level 18=Migrate to urban area/find off farm job 19=Lease your land 20=Spend more money on children's education 97=Other, please specify
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SECTION T: RELATIONSHIPS

T1. Is the headman in this village related to either the head of household or the spouse of the head of household? <i>If 0, skip to T3</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(Code)
T2. What is the relationship of the headman to the head of household or the spouse of the head of household?	1=Immediate family 2=Extended family 888=Don't know 999=Prefer not to respond	(Code)
T3. Is the chief of this village related to either the head of household or the spouse of the head of household? <i>If 0, skip to Section U</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(Code)
T4. What is the relationship of the chief to the head of household or the spouse of the head of household?	1=Immediate family 2=Extended family 888=Don't know 999=Prefer not to respond	(Code)

SECTION U. GEOPOINT AND LANDMARKS

U1. Geopoint	a. Latitude	(Numeric: ##. #####)
	b. Longitude	(Numeric: ##. #####)
U2. Please record some basic identifying landmarks for the household	(Text)	
U3. What is the roof of the household's house made of? <i>Observation Only</i>	1=Grass thatched 2=Iron sheets, Tin, Zinc 4=Roofing Tile 5=Concrete	6=Cardboard 7=Asbestos 8=Shingles 9=Plastic sheets 97=Other, please specify
U3b. If "Other," please specify?	(Text)	
U4. Is the respondent's house painted? <i>Observation Only</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(Code)

SECTION V. CONCLUSION

Thank you for your participation in this survey.

VI. Enumerator: Please select the correct survey status from the list	1=Complete 2=Incomplete, come back 3=Incomplete, cannot finish	(Code)
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	4=Prefer not to participate	
V2. On a scale of 1 to 5, 5 being very reliable, how reliable was the respondent?	(Integer)	
V3. Any additional comments?	(Text)	