

## COMMUNITY FOREST PROJECT CHIEF SURVEY

### SECTION A. CHIEF IDENTIFICATION AND CONSENT

A1.Date of Survey	(integer)
A2.Enumerator ID	(integer)
A.3 District	1=Nyimba 2=Mambwe 3=Lundazi
A4.Chiefdom	1= Luembe 2=Nyalungwe 3=Malama 4=Mwanya 5=Msoro 6=Masemphangwe 97=Other
A4b. Other, specify	

### INFORMED CONSENT - PLEASE READ THE PAPER CONSENT FORM CAREFULLY AND WORD FOR WORD

A5 Did the respondent consent? If I, skip to Module B	0=No 1=Yes	(code)
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### SECTION B. CHIEF INFORMATION

B1.Full name of chief	(Text)	
B2a.Enter the mobile number of the chief <i>If no mobile number, enter 0.</i>	(Integer)	
B2b.Enter the second mobile number of the chief <i>If no mobile number, enter 0.</i>	(Integer)	
B2c.Enter the third mobile number of the chief <i>If no mobile number, enter 0.</i>	(Integer)	
B3.Gender <i>Observation only</i>	1=Male 2=Female 888=Don't know	(Code)
B4. What is your age?	(Integer)	
B4b. If unsure, About how old are you?	1=0-3 2=4-12 3=13-17 4=18-30 5=31-40 6=41-50 7=51-60 8=60+	(Code)
B5.What is your marital status?	1=Monogomously married 2=Polygamously married	(Code)

		3=Never married 4=Widowed 5=Divorced 6=Separated 7=Cohabiting 97=Other, please specify 999=Prefer not to respond	
	B6.What is your tribe?	1=Chewa 2=N'goni 3=Nsenga 4=Tonga 5=Lunda 6=Luvala 7=Kaonede 8=Loza 9=Bemba 10=Zambian only 97=Other, please specify 888=Don't know 999=Prefer not to respond	(Code)
	B7.What is your religion?	1=Christian 2=Islam 3=Not religious 4=Spiritual/traditional 97=Other, please specify 888=Don't know 999=Prefer not to respond	(Code)
	B9. Please estimate the number of households in this chiefdom		(Integer)
	B10. How many years have you been the chief in this chiefdom?		(Integer)

### SECTION C. CHIEFDOM LAND ASSETS

	C1. What is the size/area of your chiefdom?		(integer)
	C2. Unit:	1=Lime 2=Acre 3=Hectare 4=Square meter	(code)
	C3. <i>Observation Only.</i> Enumerator, how accurately do you believe the Headperson estimated the size of the village?	1= Very accurately 2= Most accurate 3= A little inaccurate 4= Very inaccurately 5= Very badly	(code)_

Enumerator: Use buttons to help answer questions C4-C7

Now I would like to ask you some questions about your chiefdom's land. We will use these buttons to help answer the questions. Let's pretend these 10 buttons represent all of the land in your chiefdom, including fields, forests, grazing areas, and undeveloped land.

	C4. Imagine that these 10 buttons represent all of the land in your chiefdom. Using the buttons, can you show me how much of this land is allocated to individual households, and how much land is unallocated? <b>(hvland)</b> <i>Enumerator: Please record the number of buttons in the allocated land pile.</i>	(integer)
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	C4b. Enumerator: Please record the number of buttons in the un-allocated land pile.	(integer)
	C5. Now using the buttons that you chose to represent the area of land allocated to individual households, can you show me how much of this land is forested? Enumerator: Please record the number of buttons in the pile that represent the amount of allocated land that is forested.	(integer)
	C5b. Enumerator: Please record the number of buttons in the pile that represent the amount of allocated land that is not forested.	(integer)
	C6. Now, using the buttons that you chose to represent the area of unallocated land in your chiefdom; can you show me how much of this land is forested? Enumerator: Please record the number of buttons in the pile that represent the amount of unallocated land that is forested.	(integer)
	C6b. Also using the buttons that you chose to represent the area of unallocated land in your chiefsom; can you show me how much of this land is suitable for crop production? Enumerator: Please record the number of buttons in the pile that represent the amount of unallocated land that is suitable for crop production.	(integer)

	C7. Could a household in your chiefdom obtain additional land in this chiefdom for crop production?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	C8. Is it possible to convert customary land into titled property in this chiefdom?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	C9. Is this title granted to the individual or to the chiefdom?	1=Individual 2=Village 97=Other, please specify 888=Don't know 999=Prefer not to respond	(code)
	C10. Is it possible to buy or sell customary land to community members in the chiefdom without first changing it to titled land?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	C11. Is it possible to buy or sell customary land in this chiefdom to external peoples or companies without first changing it to titled land?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	C12. Is it possible to rent customary land to community members in this chiefdom?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)

	C13. Has any part of your chiefdom's customary land under forest cover been sold or leased to someone from outside this chiefdom in the past five years?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
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Now I am going ask you some questions about events that could happen in your chiefdom. Please tell me how likely you think the following events are.

	C14. How likely is it that elites from outside this chiefdom will take some of the customary forest land used by your chiefdom without authorization from members of the chiefdom within the next 3 years?	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)
	C15. How likely is it that the government will take some of the customary forest land used by your chiefdom without authorization from members of the chiefdom within the next 3 years?	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	
	C16. How likely is it that private investors will buy or take some of the customary forest land used by your chiefdom without authorization from members of the chiefdom within the next 3 years?	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	

#### SECTION D. DEFORESTATION & CLIMATE CHANGE

	D1. In the past 3 years, have you observed any of the following changes in your chiefdom? <i>Select all that apply</i>	1=Reduced rainfall 2=Increased rainfall 3=Changes in seasonal patterns (when rainy and dry seasons occur) 4=Drought 5=Flooding/landslides 97=Other changes related to climate and temperature, please specify	(code)
	D2. In the past 3 years, have you observed any of the following changes in the forest area of your chiefdom	1=Decline in abundance of game and non-timber forest products	(code)

that you think are due to change in temperature or rainfall patterns? <i>Select all that apply</i>	2=Decline in productivity or health of fisheries 3=Change in seasons of flowering or fruiting 4=Decline in crops/harvest cycles 97=Other changes related to climate and temperature, please specify	
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DELETE QUESTION D3 on ODK

D3. The following is a list of development problems often faced by people in this area. What are the five biggest problems facing your chiefdom? 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>	1= Forest degradation 2= Changes in temperature 3= Changes in rainfall 4=Lack of jobs/income 5= Lack of available schooling/education opportunities 6=Bad roads 7= Lack of health services 8= Lack of electricity 9= Land re-allocation 10= Poor yields/lack of food	
D3a. 1st		(code)
D3b. 2nd		(code)
D3c. 3rd		(code)
D3d. 4th		(code)
D3e. 5th		(code)

In your opinion, what are the three main benefits that forests (including relatively densely wooded areas, but not sparse trees on farms) in your chiefdom provide, apart from products that are harvested and collected? <i>Please rank the top three</i>	1=None 2=Soil protected 3=Soil fertility 4=Land 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 97=Other, please specify 9999=Not applicable
D4. 1st		(code)
D5. 2nd		(code)
D6. 3rd		(code)

D7. 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)
D8. 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	(Integer 1-10)

	development of your village? <i>If the respondent is not sure, enter 0</i>	
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## SECTION E. BENEFITS FROM FOREST SERVICES

<p>E1. Has the chiefdom received any direct benefits (in kind or in cash) related to the following forest services over the past 12 months?</p> <p>Select all that apply.</p>	<p>1=Tourism</p> <p>2=Carbon sequestration</p> <p>3=Water catchment</p> <p>4=Biodiversity conservation</p> <p>5=Compensation from timber company</p> <p>6=Compensation from mining company</p> <p>7=Tree planting/afforestation</p>	<p>8=Charcoaling</p> <p>9=Eco-Charcoaling</p> <p>10=New farming or agriculture techniques (conservation farming, fruit orchards, honey, crop diversification, woodlots, etc)</p> <p>97=Other, please specify</p> <p>888=Don't know</p> <p>999=Prefer not to respond</p>	<div style="border: 2px solid black; padding: 5px; text-align: center;">(code)</div>

For each benefit received, please fill in the following information.

	<p>E2. Type of payment:</p> <p>1=compensation;</p> <p>2=tax;</p> <p>3=permit fee;</p> <p>4=royalty;</p> <p>5=concession fee;</p> <p>6=loans;</p> <p>7=technical assistance;</p> <p>97=Other, please specify</p>	<p>E3. From whom:</p> <p>1=international NGO;</p> <p>2=national NGO;</p> <p>3=local NGO;</p> <p>4=international government;</p> <p>5=national government;</p> <p>6=provincial/state government;</p> <p>7=chiefdom/municipal government;</p> <p>8=international company;</p> <p>9=national company;</p> <p>10=local company (outside chiefdom);</p> <p>11=local company (inside chiefdom);</p> <p>12=individual users (outside chiefdom);</p> <p>13=individual users (from chiefdom);</p> <p>97=Other, please specify</p>	<p>E4. To whom:</p> <p>1=village leaders;</p> <p>2=village user group;</p> <p>3=all individual households;</p> <p>4=a portion of households in the village;</p> <p>5=a local NGO/Church;</p> <p>97=Other, please specify</p>	<p>E5. Amount in Cash over the last 12 months</p>	<p>E6. Amount in Kind over the last 12 months</p>	<p>E6a. Was the compensation provided enough to cover the value of the land and resources lost?</p> <p>1=Yes, much more than the value</p> <p>2=Yes, more than the value</p> <p>3=Yes, the same as the value</p> <p>4=No, less than the value</p> <p>5=No, much less than the value respond</p>
Tourism						
Carbon sequestration						
Water catchment						
Biodiversity conservation						
Compensation from timber company; <i>note the company</i>						
Compensation from mining company; <i>note the company</i>						
Tree planting/afforestation						

E7. Has your chiefdom entered any formal agreements with government organizations, programs, etc. in the area of forest management in the past 3 years? <i>If 0, Skip to E9</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
E7b. What type of agreement?	(code)	
E7c. With whom? <i>Select all that apply.</i>	1=international NGO; 2=national NGO; 3=local NGO; 4=international government; 5=national government; 6=provincial/state government; 7=district/municipal government; 8=international company; 9=national company; 10=local company (outside village); 11=local company (inside village); 12=individual users (outside village); 13=individual users (from village); 97=Other, please specify	(code)
E8. Overall, how would you say the existence of the initiative has affected the benefits that you get from the forest?	1=Greatly improved/increased forest benefits 2=Improved/increased forest benefits 3=No real change in forest benefits 4=Worsened/reduced forest benefits 5=Greatly reduced or eliminated benefits received from the forest	(code)
E9. Has the chiefdom received any forestry related external support (technical assistance, free inputs, infrastructure, etc.) from government, donors, NGOs, etc., over the past 12 months? <i>If 0, Skip to E10</i>	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
E9b. What type of support? <i>Select all that apply.</i>	1=Technical assistance/training 2=Free inputs 3=Infrastructure development 97=Other, specify	(code)

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

E10. Health Clinic	(integer)
E11. Enough land to farm on	(integer)
E12. School	(integer)
E13. Paved roads	(integer)
E14. Forest resources	(integer)
E15. Electricity	(integer)
E16. Clean water	(integer)



E17. Salary jobs	(integer)
E18. Enhanced access to markets to sell crops or products	(integer)
E19. Farming and eco-charcoaling practices that protect the environment	(integer)
E20. New farming techniques (ex: tree nursery, fruit orchards, vegetable production, crop diversification, conservation farming, wood lots, etc.)	(integer)

## SECTION F. FOREST MANAGEMENT

Next, I am going to ask a series of questions about forest land management in your chiefdom.

F1. What are the main decision-making bodies regarding forest management issues in this chiefdom?	1=Chief 2=Village council/committee/association (please specify) 3=Forest user group, (please specify) 4=Community resource boards, 5=Elders/council of elders 6=Headperson 7= DFO 8= NGO 9= Other donor, specify 10= Company 11= Private Landowner 97=Other, please specify	(code)
F2. Which of these is the most important? <i>Questions F3-F10 apply to the most important body only</i>	1=Chief 2=Village council/committee/association (please specify) 3=Forest user group, (please specify) 4=Community resource boards, 5=Elders/council of elders 6=Headperson 7= DFO 8= NGO 9= Other donor, specify 10= Company 11= Private Landowner 97=Other, please specify	(code)
F3. How often does the most important body meet?	1= Every week 2= About once per month 3= Once every 3-4 months 4= Once per year 5= Less than once per year 88= Don't know	(code)
F4. Who is invited to attend the meetings?	1= Entire chiefdom 2= All headmen 3= All adults in chiefdom 4= All heads of household 5= Only members of the body 5= Village elders	

	6= A select group, specify 97= Other 888= Don't know	
F5. Has the most important decision-making body changed in the last three years?	0=No 1=Yes	(code)
F6. When was the most important decision-making body formed?	1=In the last 3 years 2=4–10 years ago 3=11 years ago or more 888=Don't know	(code)
F7. How many members are on the body?		
F8. How many members are under 35 years old?	(integer)	
F9. How many members are women?	(integer)	
F10. Does the body have a written budget?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
F11. Is there a process for addressing forest-related grievances from members of your chiefdom through this body?	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
F.12 Please describe this process	(text)	

## SECTION G. TRADITIONAL COMMUNITY RULES

G1. In the past year, how many times have you participated in official or formal discussions or meetings about forest use and/or management with anyone from outside your chiefdom?	(integer)
G2. With whom did you discuss forest use and/or management from outside your chiefdom? <i>Select all that apply.</i>	1=district forest officer 2=government extension officer 3=NGO/CSO representative 4=private company representative 5=elected officials 97=other (specify), etc. (code)

### G.3 Were any of the following issues a part of your conversation(s) with them?

a. Use of forest land	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
b. Use of forest resources	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
c. Ownership of forest land	0=No 1=Yes 888=Don't know	(code)

		999=Prefer not to respond	
	d. Ownership of forest resources	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	e. Management of forest land	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	f. Management of forest resources	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	g. Disputes related forest use and/or management	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)
	h. Sharing of benefits from any commercial enterprise, etc.	0=No 1=Yes 888=Don't know 999=Prefer not to respond	(code)

Now I am going to read you a series of statements. Please tell me how much you agree or disagree with the following.

	G4. In your opinion, do village leaders such as headmen have the capacity to manage forests sustainably? (in terms of knowledge, resources available to them, etc.)	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)
	G5. Are village leaders aware of the laws?	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)
	G6. Do village leaders enforce laws effectively?	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 G Continued. TRADITIONAL COMMUNITY RULES

Activity	G6. Are there traditional rules in this chiefdom that regulate or restrict the following activity in forest/wooded areas? 0=No 1=Yes 888=Don't know 999=Prefer not to respond	G6b. If yes, please describe the rules.  <i>See codes 104 for appropriate codes</i>	G7. Who is primarily responsible about making rules related to (ACTIVITY) 1= Headman 2= Induna (Headman) 3= Chief 4= Induna (Chief) 6= Elders 7=Community Resource Board 8= Local government 9= DFO 10=ZAWA 97= Other, please specific.	G7b. Has this rule been introduced over the past 3 years?  0=No 1=Yes 888=Don't know 999=Prefer not to respond	G7c. Is there a system for monitoring rule breaking?  0= No 1= Yes 888= Don't know 999= Prefer not to respond	G8. Are there penalties for rule breaking? 0=No 1=Yes 888=Don't know	G9. What is the traditional penalty for breaking the rules?  Significant violation only.  <i>See codes 102</i>	G9b. In the past 3 months, how many times was someone caught for breaking this rule in your chiefdom? Significant violation only  Integer	G10. In your opinion, what proportion of chiefdom members adhere to/follow these rules?  <i>See codes 103</i>
Clearing land for agriculture									
Setting fires for poaching/hunting (include hunting relish(mice))									
Cutting trees for timber									
Collecting wood for fuel									
Setting fires before harvesting									
Cutting trees for charcoaling									
Grazing livestock									

102–Community Penalties			103–Who Adheres	
1=Seize the product 2=Seize tools 3=Cash fine; <i>note the amount</i> 4=Labor contribution; <i>please specify the number of days</i> 5=Social shaming	6=In-kind contribution; <i>please specify the product and amount</i> 7=Harvesting/collection restrictions 8=Corporal punishment	10=Sent to DFO 11=Sent to chief 12=Forced to leave the chiefdom 97=Other, please specify	1=Nearly everyone in the community 2=Most community members 3>About half of the community	4=Some/a few members of the community 5=No one follows the rules 888=Don't know 999=Prefer not to respond
104- Rules - Trees	104- Rules - Fire	104- Rules - Grazing	104- Rules - Outsiders	
1= Cutting of trees for any reason is prohibited 2=Cutting of trees for charcoaling is prohibited 3=Cutting of trees for sale is prohibited 4=Cutting of trees for fuel wood is prohibited 5=Trees can only be cut for clearing fields or other agricultural purposes 6=Trees can only be cut with permission from authorities 7=Certain species of trees cannot be cut (specify) 97=Other 888=Don't know 999=Prefer not to reply	1=No fires in fields at any time 2=No fires in fields before harvest 3=No fires in fields after harvest 4=No fires on communal land 5=No bush burning 6=Burning of forests is prohibited 7=No fires that are lit carelessly 97=Other, specify 888=Don't know 999=Prefer not to reply	1=Grazing is only allowed in designated areas 2=Livestock must be accompanied/handled/looked after at all times 3= Livestock must be accompanied/handled/looked after during farming/rainy season 4=Livestock is never allowed to graze on fields 5=Livestock is not allowed to graze on fields during farming/rainy season 97=Other, specify 888=Don't know 999=Prefer not to reply	1=Outsiders need a permit 2=Outsiders need permission from headman 3=Outsiders need permission from chief 4=Outsiders must consult with the village as a whole 5=Outsiders must comply with village land use rules 6=Forest/wooded areas cannot be used by outsiders 7=No rules are specific to strangers 97=Other, specify 888=Don't know 999=Prefer not to reply	

	G14. Are members of the chiefdom involved in the negotiation process with outsiders wishing to acquire access?	0=No 1=Yes 3= Not applicable, because this does not happen 888=Don't know	(code)
	G15. Who is involved in the negotiation process?  <i>Select all that apply.</i> <i>Answer if H16= 1.</i>	1=Headperson 2=Induna (Headman) 3=Chief 4= Induna (Chief) 5=Village Elders 6=Village, together as a whole 97=Other, please specify	(code)
	G16. Are members of the chiefdom involved in the design and implementation of forest/wooded land agreements (contracts, concessions, permits)?	0=No 1=Yes 3= Not applicable, because this does not happen 888=Don't know 999=Prefer not to respond	(code)
	G17. Who is involved in the design of forest/wooded land agreements (contracts, concessions, permits)?  <i>Select all that apply.</i>	1=Headperson 2=Induna (Headman) 3=Chief 4= Induna (Chief) 5=Village Elders 6=Village, together as a whole 97=Other, please specify	(code)
	G18. Are members of the chiefdom involved in the implementation and oversight of forest/wooded land agreements (contracts, concessions, permits)?	0=No 1=Yes 3= Not applicable, because this does not happen 888=Don't know 999=Prefer not to respond	(code)
	G19. Who is involved in the implementation and oversight of forest/wooded land agreements (contracts, concessions, permits)? <i>Select all that apply.</i>	1=Headperson 2=Induna (Headman) 3=Chief 4= Induna (Chief) 5=Village Elders 6=Village, together as a whole 97=Other, please specify	(code)

## SECTION H. GOVERNMENT/OFFICIAL LEGAL RULES

Activity	H1. Are there <b>government/official legal rules</b> that regulate or restrict the following activity in forest/wooded areas in this chiefdom?  1=No 2=Yes 888=Don't know 999=Prefer not to respond	H2. If yes, please describe the rules.  See codes 104	H3. Who is primarily responsible about making rules related to (ACTIVITY) 1= Local government 2= DFO 3=ZAWA 4= National Government 97= Other, please specific.	H4. Was the rule about (activity) been introduced in the past 3 years? 0=No 1=Yes 888=Don't know 999=Prefer not to respond	H5. Is there a system for monitoring rule breaking?  0= No 1= Yes 888= Don't know 999= Prefer not to respond	H6. Are there penalties for rule breaking? 0=No 1=Yes 888=Don't know 999=Prefer not to respond	H7. What are the penalties for breaking the rules?  Significant violation only  See codes 1044	H8. In the past 3 months, how many times was someone caught for breaking this rule?  Significant violation only  Integer	H8. In your opinion, how many chiefdom members adhere to/follow these rules?  See codes 103
Clearing land for agriculture									
Setting fires for poaching/hunting (include hunting relish(mice))									
Cutting trees for timber									
Collecting wood for fuel									
Setting fires before harvesting									
Cutting trees for charcoaling									
Grazing livestock									

1044–Government Penalties		105–Who Adheres
1=Cash fine; note the amount 2=In-kind contribution; please specify the product and amount 3=Labor contribution; please specify the number of days 4=Corporal punishment	5=Sent to jail 6=Sent to DFO 7=Sent to magistrate 97=Other, please specify	1=Nearly everyone in the chiefdom 2=Most chiefdom members 3=About half of the chiefdom 4=Some/a few members of the chiefdom 5=No one follows the rules 888=Don't know      999=Prefer not to respond

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<b>104- Rules - Trees</b>	<b>104- Rules - Fire</b>	<b>104- Rules - Grazing</b>	<b>104- Rules - Outsiders</b>
1= Cutting of trees for any reason is prohibited 2=Cutting of trees for charcoaling is prohibited 3=Cutting of trees for sale is prohibited 4=Cutting of trees for fuel wood is prohibited 5=Trees can only be cut for clearing fields or other agricultural purposes 6=Trees can only be cut with permission from authorities 7=Certain species of trees cannot be cut (specify) 97=Other 888=Don't know 999=Prefer not to reply	1=No fires in fields at any time 2=No fires in fields before harvest 3=No fires in fields after harvest 4=No fires on communal land 5=No bush burning 6=Burning of forests is prohibited 7=No fires that are lit carelessly 97=Other, specify 888=Don't know 999=Prefer not to reply	1=Grazing is only allowed in designated areas 2=Livestock must be accompanied/handled/looked after at all times 3= Livestock must be accompanied/handled/looked after during farming/rainy season 4=Livestock is never allowed to graze on fields 5=Livestock is not allowed to graze on fields during farming/rainy season 97=Other, specify 888=Don't know 999=Prefer not to reply	1=Outsiders need a permit 2=Outsiders need permission from headman 3=Outsiders need permission from chief 4=Outsiders must consult with the village as a whole 5=Outsiders must comply with village land use rules 6=Forest/wooded areas cannot be used by outsiders 7=No rules are specific to strangers 97=Other, specify 888=Don't know 999=Prefer not to reply



### Section H continued. Government/Official Legal Rules

H9. How effectively are government/official legal <b>rules about forest use/access</b> enforced?	1=Very effectively 2=Effectively 3=Neither effective or ineffectively 4=Ineffectively 5=Very ineffectively	(code)
H10. Do you think these government/official legal <b>rules about forest use and access</b> are fair?	1=Very fair 2=Fair 3=Neutral 4=A little unfair 5=Very unfair 999=Prefer not to respond	(code)
H11. Do you think these government/official legal penalties related to forest/wooded land 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	
H12. Do you think government/official penalties related to forest/wooded land are enforced equally across different groups in your chiefdom?	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)
H13 Please describe how these penalties are unequal	(text)	
H14. What is the process that outsiders/strangers must follow for using the forests in your chiefdom?	1 = Get a permit 2=Get permission for the chief 3=Get permission from village headman 4=Get permission from other village leaders /groups (specify) 5=Get permission from village as a whole 6=No process, they can just use 97=Other	(code)
H15. Please describe the rules that are different	(text)	

H16. In the past three years, have there been changes in access to members of government agencies responsible for forest management?  Enumerator hint: increased access to DFO and/ZAWA officials	1=Access has increased greatly 2=Access has increased a little 3=No change in access 4=Access has decreased a little 5=Access has decreased greatly 888=Don't know	(code)
H17. In the past three years, have there been changes in access to information about rules made by government agencies responsible for forest	1=Access has increased greatly 2=Access has increased a little 3=No change in access	(code)

	management?	4=Access has decreased a little 5=Access has decreased greatly 888=Don't know	
	H18. In the past three years, have there been changes in access to judicial processes linked to forestlands and forest resources?	1=Access has increased greatly 2=Access has increased a little 3=No change in access 4=Access has decreased a little 5=Access has decreased greatly 888=Don't know	(code)
	H19. Are there any projects being implemented in the forests that your chiefdom uses? <i>If 0, Skip to Section I.</i> <b>Stephanie to match this question to ODK</b>	0=No 1=Yes 888=Don't know	(code)
	H.20 What are the names of the projects?		
	H21 How often do members of your chiefdom receive information about the projects?	1=Every day 2=Every week 3=About once per month 4=Once every 3-4 months 5=Once per year 6=Less than once per year 7=We have never received information 888=Don't know	(code)
	H22. Who would you contact if you had a concern over a natural resources' regulation or project in your chiefdom?	1=Local government 2=Chief 3=DFO 4=ZAWA 5=NGO, please specify 97=Other, please specify	(code)

## SECTION I. GREIVANCE MECHANISMS

	I.1 In the past three years, have there been changes to local access to grievance mechanisms related to natural resources/forests?	1=Access has increased greatly 2=Access has increased a little 3=No change in access 4=Access has decreased a little 5=Access has decreased greatly 888=Don't know	(code)
	I2. Does your chiefdom have access to a grievance mechanism for natural resources' regulation or projects in your area?	0=No 1=Yes 888=Don't know	(code)
	I3. What organ/entity is responsible for processing complaints?	1=Local government 2=Chief 3= Community Resource Board 4=DFO 5=ZAWA 6=NGO, please specify 97=Other, please specify	(code)
	I4. Is the organ/entity locally accessible?	0=No 1=Yes 888=Don't know	

15. Does the grievance mechanism incorporate/take into consideration communities' customary decision-making processes?		0=No 1=Yes 888=Don't know	
	1.6 Did you ever make a complaint? <i>If 0, skip to Section 131</i>	0=No 1=Yes 888=Don't know	(code)
	1.7 What was the complaint about?	(text)	
	1.8 What means did you use to present your complaint? <i>Select all that apply</i>	0=Internet 1=Telephone 3= In-person 4= Letter 97= Other, please specify	(code)
	1.9 Was it easy to present a complaint?	1= Yes, very easy 2= Yes, easy 3= No, difficult 4= No, very difficult	(code)
	1.10. Do you consider the decisions of the grievance mechanism were fair?	1=Very fair 2=Fair 3=Neutral 4=A little unfair 5=Very unfair 999=Prefer not to respond	(code)
	1.11. Were the decisions of the grievance mechanism executed?	0=No 1=Yes, some of it 2=Yes, all of it 888=Don't know	(code)
	1.12 Were you compensated by the grievance mechanism?	0=No 1=Yes 888=Don't know	(code)
	1.13. Was the compensation enough to compensate the damage/impact? <i>Answer if 19=1</i>	1=Yes, much more than the value 2=Yes, more than the value 3=Yes, same as the value 4=No, less than the value 5=No, much less than the value	(code)
	1.14. Overall how satisfied are you with the grievance mechanism?	1=Very satisfied 2=Satisfied 3=Neutral 4=Dissatisfied 5=Very dissatisfied 999=Prefer not to respond	(code)
	1.15. In your opinion, does the grievance mechanism incorporate/take into consideration communities' customary decision-making processes?	1=Strongly agree 2=Agree 3=Neither agree nor disagree 4=Disagree 5=Strongly disagree 888=Don't know	(code)

## SECTION J. DISPUTES

	<p>J1. In general, what are the most common kinds of forest land and resource related disagreements WITHIN (between members of the chiefdom) your chiefdom?</p> <p><i>PROBE AND CODE</i> Select all that apply</p>	<p>0=There are no disputes 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= Interfamilial conflicts (inheritance/divorce/etc.) 97=Other, please specify 888=Don't know 999=Prefer not to respond</p>	(code)
	<p>J2. Compared to 3 years ago, do you think the number of forest land and resource related disputes WITHIN (between members of the chiefdom) in your chiefdom has increased, decreased, or stayed the same?</p>	<p>1=Increased a lot 2=Increased a little 3=Remained the same 4=Decreased a little 5=Decreased a lot 888=Don't know 999=Prefer not to respond</p>	(code)
	<p>J3. In the past 12 months, about how many total disputes occurred WITHIN (between members of the chiefdom) your chiefdom?</p>	(integer)	
	<p>J4. Compared to 3 years ago, do you think the intensity of forest related disputes between members of your chiefdom has increased, decreased, or stayed the same?</p>	<p>1=Increased a lot 2=Increased a little 3=Remained the same 4=Decreased a little 5=Decreased a lot 888=Don't know 999=Prefer not to respond</p>	(code)
	<p>J5. How many of the disputes that occurred in the past 12 months WITHIN your chiefdom resulted in violence or the destruction of property?</p>	(integer)	
	<p>J6. In general, when disputes over forest land and resources arise in this chiefdom, what person or group of people play the most important role in resolving those disputes?</p>	<p>1=Headperson 2=NGO 3=ZAWA 4=Forest service (DFO) 5=Village committee 6=YGL 7=Chief 8=Induna (Headman) 9= Induna (Chief) 10=Community Resource Board 11=Elected officials 97=Other, specify 888=Don't know 999=Prefer not to respond</p>	(code)
	<p>J7. In general, what are the most common kinds of</p>	<p>0=There are no disputes between this</p>	(code)

EXTERNAL forest land and resource related disputes that your chiefdom faces with other chiefdoms?  <i>PROBE AND CODE</i> <i>Select all that apply</i>	chiefdom and other chiefdoms 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 97=Other, please specify 888=Don't know 999=Prefer not to respond	
J8. Compared to 3 years ago, do you think the number of EXTERNAL forest land and resource related disputes that your chiefdom faces with other chiefdoms has increased, decreased, or stayed the same?	1=Increased a lot 2=Increased a little 3=Remained the same 4=Decreased a little 5=Decreased a lot 888=Don't know 999=Prefer not to respond	(code)
J9. In the past 12 months, about how many total EXTERNAL disputes occurred between your chiefdom and other chiefdoms?	(integer)	
J10. Compared to 3 years ago, do you think the intensity of forest related disputes between your chiefdom and other chiefdoms has increased, decreased, or stayed the same?	1=Increased a lot 2=Increased a little 3=Remained the same 4=Decreased a little 5=Decreased a lot 888=Don't know 999=Prefer not to respond	(code)
J11. How many of the disputes that occurred in the past 12 months between your chiefdom and other chiefdoms resulted in violence or the destruction of property?	(integer)	
J12. In general, when disputes over forest land and resources arise between this chiefdom and other chiefdoms, what person or group of people play the most important role in resolving those disputes?	1=Headperson 2=NGO 3=ZAWA 4=Forest service (DFO) 5=Village committee 6=YGL 7=Chief 8=Induna (Headman) 9= Induna (Chief) 10=Community Resource Board 11=Elected officials 97=Other, specify 888=Don't know 999=Prefer not to respond	(code)
J13. In your opinion, is this process of resolving EXTERNAL disputes fair to all parties involved?	1=Very fair 2=Fair 3=Neutral 4=A little unfair 5=Very unfair	(code)

		999=Prefer not to respond	
J14. In your opinion, how likely is it that this process of resolving EXTERNAL disputes brought about a lasting peace?	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)	
J15. In general, what are the most common kinds of forest land and resource related disputes that your chiefdom experiences with other OUTSIDE actors (with government officials, miners, investors, etc.)?  PROBE AND CODE Select all that apply	0=There are no disputes 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 97=Other, please specify 888=Don't know 999=Prefer not to respond	(code)	
J16. Compared to 3 years ago, do you think the number of forest land and resource related disputes that your chiefdom has experienced with other OUTSIDE actors (with government officials, miners, investors, etc.) has increased, decreased, or stayed the same?	1=Increased a lot 2=Increased a little 3=Remained the same 4=Decreased a little 5=Decreased a lot 888=Don't know 999=Prefer not to respond	(code)	
J17. In the past 12 months, about how many total disputes occurred between your chiefdom and OUTSIDE actors (with government officials, miners, investors, etc.)	(integer)		
J18. Compared to 3 years ago, do you think the intensity of forest related disputes between your chiefdom and OUTSIDE actors (with government officials, miners, investors, etc.) has increased, decreased, or stayed the same?	1=Increased a lot 2=Increased a little 3=Remained the same 4=Decreased a little 5=Decreased a lot 888=Don't know 999=Prefer not to respond	(code)	
J19. How many of the disputes that occurred in the past 12 months between your chiefdom and OUTSIDE actors (with government officials, miners, investors, etc.) resulted in violence or the destruction of property?	(integer)		
J20. In general, when disputes over forest land and resources arise between your chiefdom and OUTSIDE actors (with government officials, miners, investors, etc.) what person or group of people play the most	1=Headperson 2=NGO 3=ZAWA 4=Forest service	9= Induna (Chief) 10=Community Resource Board 11=Elected officials	(code)

	important role in resolving those disputes?	(DFO) 5=Village committee 6=YGL 7=Chief 8=Induna (Headman)	97=Other, specify 888=Don't know 999=Prefer not to respond	
	J21. In your opinion, is this process of resolving OUTSIDE disputes fair to all parties involved?	1=Very fair 2=Fair 3=Neutral 4=A little unfair 5=Very unfair 999=Prefer not to respond		(code)
	J22. In your opinion, how likely is it that this process of resolving OUTSIDE disputes brought about a lasting peace?	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 K. ODK CONCLUSION

Thank you for your participation in this portion of the interview.

	K1. Enumerator: Please select the correct survey status from the list.	1=Complete 2=Incomplete, come back 3=Incomplete, cannot finish 4=Refused to participate 97=Other, please specify	(Code)
	K2. Any additional comments?	(Text)	

## SECTION L: CHIEF QUALITATIVE INTERVIEW QUESTIONS

Now, I would like to ask you some additional questions about your chiefdom related to the topics we just discussed. These questions will require more detailed responses than previous questions, so I would like to use a voice recorder (*show recorder*) to capture your answers. Is this okay with you?

*Enumerator: If the chief agrees, begin the qualitative questionnaire*

### **ACCESS TO LAND AND FORESTS**

I. How is land allocated in this chiefdom? Please describe the process

*PROBE: Who allocates the land (i.e., chief himself, headman, induna, etc.) ? How do they decide who to allocate the land to?*

2. What types of rights are recognized for villages in your chiefdom? For example, what are their rights surrounding...? (*Enumerator: ask about each of the rights listed below.*)
  - a. right use of forests,
  - b. right to use forest resources,
  - c. right to restrict others from their village forests/lands,
  - d. right to sell or rent forests
  
3. How do people access land for individual use in your chiefdom? Please describe the process.  
*PROBE: Land is allocated, rental market, negotiation with traditional authorities, conversion to leaseholder titles, etc.*
  
4. How is the process for accessing land different for people from outside your chiefdom, compared to the process for locals?  
*PROBE: Land is allocated, rental market, negotiation with traditional authorities, conversion to leaseholder titles, concession, permits, consultation with local communities, etc.*
  
5. In the past 3 years, how have these access mechanisms/processes changed? Is it more difficult or less difficult to acquire land in your chiefdom than it was 3 years ago? Why?
  
6. How do people access forests for individual use in your chiefdom? Please describe the process.  
*PROBE: Forest land is allocated, negotiation with traditional authorities, conversion to leaseholder titles, permits, concessions, consultation with local communities, etc.*
  
7. How is the process for accessing forests different for people from outside your chiefdom, compared to the process for locals?  
*PROBE: Land is allocated, rental market, negotiation with traditional authorities, conversion to leaseholder titles, concession, permits, consultation with local communities, etc.*
  
8. In the past 3 years, how have these access mechanisms/processes changed? Is there more or less access to forests than was 3 years ago? Please describe why.  
*PROBE their answers, asking them to expand on their answer, and using clarifying questions such as Who..., What..., When..., Where..., Why..., How...*
  
9. Do you think there is more or less unauthorized/illegal access to forests in your chiefdom than there was 3 years ago? Please explain why.



10. Are there any forests that your chiefdom used to access that your chiefdom is no longer allowed to access?

**(If No, Skip to Question 11)**

a. What are the names of the forests and why did your chiefdom lose access?

*PROBE using the following list of potential reasons for loss of access.*

- Reduced access due to reduced forest/wooded land area
- New rules that prevent villagers from entering the forest. *Ask them to describe the rules and who put these rules in place, i.e., state authorities, local authorities, customary or village authorities*
- New rules that prevent villagers from harvesting products, *Ask them to describe the rules and who put these rules in place, i.e., state authorities, local authorities, customary or village authorities*
- Stricter enforcement of existing rules, such as more patrols, or higher fines for breaking rules
- Can no longer access areas because a private company or infrastructure project is taking place
- People from outside buying land/being granted concessions or permits and restricting access
- Creation or enlargement of a Protected Area (public or private)

b. Please describe any impacts of losing access to this forest on your chiefdom

*PROBE: Lost income, Loss of subsistence resources, Loss of access to cultural sites/resources*

c. How have people in your chiefdom responded to the loss of access?

*PROBE: Harvesting forest products from open lands, harvesting from other communal or government forests, relying more on alternative products*

## **FOREST CONDITIONS**

11. On a scale of 1-5, with 1 meaning no problem and 5 meaning a severe problem, how much of a problem would you say deforestation is in your chiefdom? Please describe the problems surrounding deforestation in your district in greater detail.

*PROBE: THE ANSWER TO THIS QUESTION SHOULD NOT ONLY BE A NUMBER! PROBE their answer using examples of problems surrounding deforestation such as logging, burning, less forest land, less thickness of trees/forest cover, less access to and availability of key tree species, soil erosion, etc.*

a. What are the main drivers of deforestation in your chiefdom?

*PROBE: (charcoal production, agricultural expansion, wood extraction, burning, infrastructure development, etc)*

- b. How have these factors/drivers changed over the past 3 years? In other words, do they contribute more or less to deforestation than they did 3 years ago? Why do you think that is?

12. In the next 3 years, how do you expect the condition of forests in your district to change? How do you expect the quality and availability of forest resources to change over the next 3 years? Please explain your answer.

*PROBE using list of potential changes below*

- Size/area of forest land
- Tree cover and density
- Availability of key tree species,
- Abundance of game and non-timber forest products,
- Change in the water quality of rivers and streams,
- Change in seasons of flowering or fruiting, crops/harvest cycles, etc.
- Other changes?

## **BENEFITS FROM FOREST RESOURCES**

***Enumerator: If the respondent previously stated that their chiefdom had received any direct benefits (in kind or in cash) from a private company, the government, or an NGO in return for forest resources or services. Please ask them to expand on the benefit sharing agreements using questions 13-17 below. If respondent was not aware of any benefits, please proceed to Question 18.***

13. If yes, who provides these benefits? Please describe the project and the benefits your district has received.
14. Are the benefits provided directly to households, to villages collectively, or at the chiefdom level? Please explain
15. Who in your chiefdom participated in the development of the benefit sharing mechanism? Who participates in the oversight?
16. Are you satisfied with the benefit arrangements? Why or why not? In what ways do you think they are or are fair and transparent?
17. What improvements, if any, would you like to see in these benefit sharing arrangements?

## **FOREST CONSERVATION ACTIVITIES**

18. Are you aware of any current programs/initiatives surrounding forest conservation or management in your chiefdom? If yes, for each program, please provide the name of the program, the implementing agency, the year the project started, and describe the program activities.

*PROBE about each program using clarifying questions such as Who..., What..., When..., Where..., Why..., How...*

19. Is there a forest or woodland management plan in your chiefdom that guides the use of forests or woodlands near this chiefdom?

- a. Can you please describe this plan?
- b. Who created this plan?
- c. What year was the plan created?
- d. What actors were involved in developing the plan? (chief only, council, headpersons, village leaders, all community members, etc.)

20. Are there groups dedicated to forest management in this chiefdom. What are their names and structure?

*Enumerator hint: Are there formally organized groups that manage activities related to the management of the forest (i.e. firefighting, patrolling, tourism, tree planting, forest product harvesting, etc.)?*

21. What is their role? What activities do they perform?

*PROBE using the following list of activities*

- Protecting certain desired trees in the forest
- Protecting certain areas of forest
- Establishing rules around who can access and use specific forest products
- Enforcing rules around who can access and use forests (e.g. no bush burning in the forest)
- Training/education about forest management
- Mapping/inventory of forest resources
- Other activities?

## **FOREST REGULATIONS**

22. Can you please describe how laws and policies related to forest land and access to forest land are made in your chiefdom? Who decides on the laws and policies?

23. Do village members or village-level groups participate when forest regulations and policies are being designed?
24. If so, please explain how villages participate.
- a. If they are consulted, who in the village (e.g., which groups: women, youth, strangers, etc.) is consulted?
  - b. At what point in the decision-making process are they are consulted?
  - c. Is there anyone you think that they could do a better job of consulting?
25. If villages or village members in your chiefdom do not participate, why do you think that is? In your opinion should they be included in the process?
26. Are there any other problems or challenges surrounding these laws or policies that you wish to share?
27. In your opinion, do government laws conflict with the traditional rules for governing forests in your chiefdom? Please explain how.