

# APPENDIX A

## HOUSEHOLD DATA FORM

1. Name.....
2. Position in Household.....
3. Sex: A [Male] B [Female]
4. Age: A [20-24] B [25-29] C [30-34] D [35-40] E [Above 40]
5. Marital status: a. [Married] b. [Divorced] c. [Separated] d [Single] e [Co-habiting]
6. Religion: a. [Christianity] b. [Islam] c [African Religion] d [Atheist] e. [Agnostic]  
[No religion].
7. Name of your community. A. [ ] b. [ ]
- 8 Highest level of education attained for husband and wife:  
Husband.....and Wife.....A [None]  
B [Primary] C [Secondary] D [Tertiary]
- 9 What is your occupation? A [Farming] B [Fishing] C [Trading] D [Civil]
- 10 What is an estimate of your monthly income? A [less than N6000]. B [N6000-N12000]. C [N13000-20000]. D [above 20000]
11. How many children have been born to you?

12. How many children are living?
13. How many children are living with you?
14. Does anyone in this family have a job outside this community?
15. Do they help sometimes with such things as school fees or money for fertilizer?
16. Is your yearly farm output increasing or decreasing since 1980s up till date?

# APPENDIX B

## QUESTIONNIRE

### Socio-economic status

Type of housing: Walls, roof, floor, and windows

Type of farm implements owned: Ox, hoe, cart plough, wheelbarrow etc

### Resource and resource use.

1. What is the size of your farm holdings?
2. What (cash) crops do you grow on your farm?
3. What major food crops do you grow?
4. Which of the following farm management practices do you use or undertake in your farm?
  - (a) Use of the following inputs: Organic manure, pesticides, certified seeds, chemical fertilizer
  - (b) Soil conservation practices: Terraces, grass strips, mulching, rehabilitation of gullies etc, others (specify)
5. In good years, do you produce surplus food for sale? Which food?
6. What are your main sources of advice on land use and management practices?
7. What are your agricultural related problems? What solutions do you propose?
8. What do you think are the causes of these agricultural and use problems?

### WATER

1. Household water supply: What distance do you have to travel to fetch water?.....Quality.....Personal well.....Roof catchment.....River (specify).....

Community water well/spring/dam.....

2. Are these sources permanent or seasonal?
3. What water conservation measures have you practiced on your farm?
4. What changes in water access would be most helpful to you?
5. What problems have you encountered in water access? What opportunities do you see to resolve these problems?

## **HEALTH**

1. What diseases are common in this area?
2. Is malnutrition a problem in this area?
3. Do you have health facilities?
4. If no, where do you obtain health care services? How many kilometers away from your home?
5. What problems and opportunities exist for health?

## **EDUCATION**

1. Do you have schools in this community? Do you think the schools in this Community are adequate?
2. How far have your children have to travel to school?
3. Are there adult education classes in this community?
4. Is there a tertiary institution in your community?
5. What are the most important problems facing education in this community?
6. What are the best ways you think should be used to address them?

## **TRANSPORTATION AND COMMUNICATION**

1. What is your principal mode of transport?
2. How do you get your products to market?
3. Who maintain your rural access roads?
4. Have you undertaken any communal road repair activities?
5. What are your major problems in terms of transport? What are the best way you can suggest to address these problems.

## **SECTION 2. SOCIO-ECONOMIC IMPACTS OF FLOOD**

### ***Participatory questionnaire guide***

- (1) Has flood ever occurred in this community?
- (2) Do you see flooding in this community as a problem?
- (3) Have you been ever affected by flooding?
- (4) If you have been affected by flooding, how many times?
- (5) How often does the flood occur? Can you remember some specific years it occurred?
- (6) Which of your belongings did the flood affect?
- (7) Has any of your family members been injured during a flood?
- (8) Have you ever lost a family member due to flooding?
- (9) Where do you have the greater area of farmland?
- (10) Have you ever lost your growing crops to flood events?
- (11) Where is the source of the water for your irrigation?
- (12) Is your shop located within the flood plain?
- (13) Have you ever lost your shop to flooding?
- (14) How many times have you lost your shop to flooding?
- (15) What kinds of sickness usually occur after flooding?
- (16) Do you have shortage of food or increase of food after flooding?
- (17) How did you recover/get money to start up the business/farming again?
- (18) Have you ever been assisted by the Government after flooding?

### **ADAPTIVE CAPACITY**

- (1) What is the range of your monthly income if employed?
- (2) If self employed, what is the estimate of your monthly income?
- (3) Do you have any insurance cover?
- (4) Do you have access to credit?
- (5) Do you have access to electricity?

- (6) Do you have access to water?
- (7) What is the major source of your household water supply?
- (8) Do you use irrigation for your farming?
- (9) Do you have radio and or television in your home?
- (10) Do you have another place to relocate where you would not be affected by flooding?
- (11) Do you belong to any co-operative organization?
- (12) What kind of material did you use in building your house?
- (13) Do you have a health centre or hospital in your community?
- (14) Is there any rule or body of rules in your community that prevents you from changing location?

## **IN-DEPTH QUESTIONS.**

### **Impact of flooding:**

1. Tell me how you perceive flooding in this community. Is it a problem or rather a blessing to the community? Tell me more about the positive and negative impacts of flood on the population.
2. To what extent has the flooding affected your livelihood in the past five years?
3. Do you think that Shiroro dam has negative or positive impacts on the lives of people living in this community?
4. What has government been doing to address the problems of flooding in this community?
5. Have you noticed any change in your yearly farm output? If yes, do you think the change has to do with flooding in these communities?

### **Adaptive capacity and the chronicle of the flood events**

6. For years flooding has been repeatedly occurring in your community. Why are you still living in this flood plain, and how are you managing to survive?

7. Tell me what you know about the chronicle of the flood events in this community.
8. How long have people come to settle on this floodplain (community)? Is it as a result of lack of space in other areas or as a demand for resources (like water for household use, irrigation, fishing, shelter etc)?