

MAIN HOUSEHOLD'S QUESTIONNAIRE

(For households which participated in sand dams project)

Household No. _____ Village: _____

Sub-location: _____ Location: _____

Division: _____ Dam/s: _____

Name of the Interviewer: _____

1.0 Name of the respondent:

2.0 Household Demography:

(Include household members living in towns or elsewhere)

Member No.	Sex	Marital Status	Age	Education	Occupation		Annual Income
					Main (time/security)	Secondary	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

3.0 Sources of Annual Family Income:

Sources	Annual Income (in KShs).	Ranking
1. Business		
2. Regular Employment		
3. Wage earner		
4. Crop Farming		
5. Livestock		
6. Others (specify).		

4.0: Assets Inventory and other household possessions:

i) Type of Housing

House	Iron Sheets	Grass thatched	Cemented floor	Un-cemented floor	Tiles	No. of Rooms	Walls
Living House							
House 2							
House 3							
House 4							
House 5							
Toilet/Bathroom							

ii) Other family possessions

Characteristic	Number
Chicken/Ducks	
Goats/Sheep	
Donkeys	
Cows	
Jembes/Spades/Mattocks	
Ploughs	
Bicycles	
Carts/Wheelbarrows	
Plant machines (Posho mill)	
Motor vehicles	
Transistor Radios	
Television sets	

iii) Household Land Ownership and use in Acreage

Land use	Owned	Rented (from another person)
Homestead		
Agriculture		
Livestock/Fallow		
Rented out		
Other (specify)		
Total		

iv) Source/s of Energy

Source	Check (✓)
Firewood	
Charcoal	
Kerosene	
Gas	
Solar	
Electricity	
Bio-gas	
Other (please specify)	

v) Information on food intake and nutrition

(Note: The interviewer should to sample local market to trace the sources of food stuffs)

a. Household's average common diet per week before the IWSS

Breakfast		Lunch		Dinner (supper)	
Type of food	Value (KShs)	Type of food	Value (KShs)	Type of food	Value (KShs)

b. Household's average common diet per week after the IWSS

Breakfast		Lunch		Dinner (supper)	
Type of food	Value (KShs)	Type of food	Value (KShs)	Type of food	Value (KShs)

vi) Food preparation, service and order of service over one week (Rank or check where applicable)

Party	Preparation	Serving	Order of taking meals
Husband			
Wife			
Children			
House-helps			
All of us			
Other (Specify)			

5.0 Information on Rural Migration :

a) Has any member of the family migrated elsewhere since 1990?

Yes [] No []

b) If yes, when? _____ If No, go to Question 6.0

c) Fill in the following table

No.	Permanent	Working outside the Location	Temporary (Seasonal)	Place of settlement			Reasons for migration
				Village	Town	Abroad	

6.0: A) Before the IWSS Project :

i) Water Uses per day

Water use	Quantity	Proportion (%)
Cooking		
Cleaning/ Washing		
Drinking		
Livestock watering		
Others (Specify)		

ii) Source, Distance, Time and Number of Trips

Dry Season				Wet Season			
Source	Distance	Time	Trips	Source	Distance	Time	Trips
Rivers				Rivers			
Piped				Piped			
Roof Catchment				Roof Catchment			
Bore hole				Bore hole			
Well				Well			
Earth Dam				Earth Dam			
Sand Dam				Sand Dam			
Rock Catchment				Rock Catchment			
Scoop-holes				Scoop-holes			
Springs				Springs			

iii) Quantity, Quality and Uses

Dry Season				Wet Season			
Source	Quantity	Quality	Uses	Source	Quantity	Quality	Uses
Rivers				Rivers			
Piped				Piped			
Roof Catchment				Roof Catchment			
Bore hole				Bore hole			
Well				Well			
Earth Dam				Earth Dam			
Sand Dam				Sand Dam			
Rock Catchment				Rock Catchment			
Scoop-holes				Scoop-holes			
Springs				Springs			

iv) Who used to fetch water and how?

Who	Check (✓)	Ranking/week	Means	Check (✓)
Husband			Human Labour	
Wife			Donkey	
Boys			Cart/wheelbarrow	
Girls			Motor vehicle	
House-helps			Bicycle	
Other (Specify)			Other (Specify)	

6.0: B) After the IWSS Project:

i) Water Uses per day

Water use	Quantity	Proportion (%)
Cooking		
Cleaning		
Drinking		
Washing		
Livestock watering		
Others (Specify)		

ii) Source, Distance, Time and Number of Trips

Dry Season				Wet Season			
Source	Distance	Time	Trips	Source	Distance	Time	Trips
Rivers				Rivers			
Piped				Piped			
Roof Catchment				Roof Catchment			
Bore hole				Bore hole			
Well				Well			
Earth Dam				Earth Dam			
Sand Dam				Sand Dam			
Rock Catchment				Rock Catchment			
Scoop-holes				Scoop-holes			
Springs				Springs			

iii) Quantity, Quality and Uses

Dry Season				Wet Season			
Source	Quantity	Quality	Uses	Source	Quantity	Quality	Uses
Rivers				Rivers			
Piped				Piped			
Roof Catchment				Roof Catchment			
Bore hole				Bore hole			
Well				Well			
Earth Dam				Earth Dam			
Sand Dam				Sand Dam			
Rock Catchment				Rock Catchment			
Scoop-holes				Scoop-holes			
Springs				Springs			

iv) Who used to fetch Water and how?

Who	Check (✓)	Ranking/week	Means	Check (✓)
Husband			Human Labour	
Wife			Donkey	
Boys			Cart/wheelbarrow	
Girls			Motor vehicle	
House-helps			Bicycle	
Other (Specify)			Other (Specify)	

7.0: Factors influencing the choice of water source and ranking:
(No prompting)

Factor	Dry Season Ranking	Wet Season Ranking
Distance		
Multiple use		
Quality		
Quantity		
Reliability		
Accessibility		
No alternative		

8.0: General impact of the IWSS project:
(No prompting)

Aspect	Increased/Decreased
Water availability	
Distance to water source	
Waterborne diseases	
Crop Production	
Kitchen gardening	
Vegetable growing	
Livestock watering	
Brick Making	
Bee keeping	
Body washing	
Cloth washing	
Utensils washing	
House washing	
Tree Nurseries	
Terracing	
Other (Specify)	

9.0: Depth of scoop-holes:

Before the IWSS (ft)	After the IWSS (ft)

10.0: Water rationing before and after the IWSS:

Before the IWSS		After the IWSS	
Yes []	No []	Yes []	No []
If yes, explain how: (Probe to know the origin of rationing design)		If yes, explain how: (Probe to know the origin of rationing design)	

11.0 Comment on the location/accessibility of your nearest dam/s (Probe)

12.0 Level of satisfaction of the sand dams project

i) Was the course was worth it?

Yes [] No [] (Explain your answer)

ii) Have you shifted from your traditional water source/s?

Yes [] No [] (If no, please explain)

12.0: Sanitation:

Aspect	Frequency Before the IWSS/Week	Frequency After the IWSS/Week
Cloth Washing		
Body Washing		
Utensil Washing		
House washing		

13.0: Protection of water points from contamination:

Before the IWSS	After the IWSS

14.0: Soil conservation:

Before IWSS Project		After IWSS Project	
Measure	Number	Measure	Number
Terraces		Terraces	
Trees planted		Tree planted	
Gabions		Gabions	
Misonzo		Misonzo	
Grass planting	Check (✓)	Grass planting	Check (✓)

15.0: i) Water related diseases occurrences per year before/after the IWSS to your family:

Mention the following types of diseases	Before the IWSS		After the IWSS	
	Cost of treatment	Time laid off	Cost of treatment	Time laid off
Cholera				
Typhoid				
Conjunctivitis				
Scabies				
Schistosomiasis				
Malaria				
Trypanosomiasis				
Amoeba				

ii) Waterborne diseases- mitigation measures- Explain:

Before the IWSS	After the IWSS

16.0: i) The mode of choosing dam committee members:

Mode	Check (✓)	By whom?
Nomination		
Election		
Selection		
Other (Specify)		

ii) The duration in office of the office bearers:

_____ Months/Years

iii) Committee members eligibility conditions:

List down the legibility conditions

17.0: What is your attitude towards the dam committee in regard to the following:
(Mention the following characteristics)

Characteristic	Positive/Negative
Corruption	
Composition- Age	
Composition- Gender	
Composition- Religion	
Composition- Education	
Composition- Political party affiliation	
Composition- Wealthy	
Operation	
Accountability	
Transparency	
Commitment	
Nepotism	
Patience	
Greed	
Maturity and good communication	
Listening to people needs	
Bossy	
Ready to serve others	
Care and respect for people and property	

18.0: How has the formation of dam committees impacted on the Integration of the community in terms of:

Aspect	Comment
Age	
Religion	
Political party affiliation	
Wealth	
Gender	

19.0: Does the community give chance to the people who have not had an opportunity to lead in the past?

Yes []

No []

20.0: i) Are there linkages between the dam committees and other community committees

Yes []

No []

ii) If yes, explain

27.0: How many hours were you sleeping at home before and after the IWSS project?

Before the Project		After the Project	
Wet seasons	Dry seasons	Wet seasons	Dry seasons

28.0: Before participating in this project (building the dam), whom did you consult?

Person	Check (✓)
Husband (In the household)	
Husband elsewhere	
Wife (In the household)	
Wife elsewhere	
Friends	
Local administration (Headman/Ass.chief/Chief)	
Religious leaders	
Other (Specify)	

29.0: What are the factors promoting or limiting community co-operation?- Rank.

Promoting	Limiting

30.0: (a) List the economic activity before/after the sand dams project and their ranking.

Activity	Before IWSS (Rank)	After IWSS (Rank)
Agriculture		
Goat/sheep		
Cattle		
Vegetable growing		
Kitchen gardening		
Brick making		
Tree Nurseries		
Bee keeping		

30.0: (b) Are there new crops which are being grown by the community members as a result of the IWSS?

31.0: What local factors influence the degree to which the IWSS benefits are utilised by different households?

32.0: What are the notable activities sparked off by the IWSS and how much do they contribute to family income?

Activities	Contribution to family income (annually in KShs)

33.0: Are there other indirect benefits accruing to the community alongside the improved water supply system?

38.0: What is/was the relative cost of paying somebody else to collect water on your behalf? (Per 20 litre jerrican)

Before IWSS		After IWSS	
Dry season	Wet season	Dry season	Wet season
KShs.	KShs.	KShs.	KShs.

39.0: Is the use of the IWSS controlled and planned to avoid negative consequences to the society?

Yes [] No []

Explain your answer:

40.0 Pollution: The following are types of polluting water sources, what are the community penalties?

Type of pollution	Penalty
Washing inside the dam/well	
Washing clothes inside the dam/well	
Watering livestock in the dam/well	
Spraying chemicals around the dam/well	
Defecating or urinating around the dam/well	
Dropping objects in the source	

41.0: Operation and maintenance:

a) Who is responsible for operation and maintenance of the water source?

b) What are the sources for funds for operation and maintenance?

(if households are mentioned, how much do they contribute per year)

c) How often do the dam committee members meet to discuss operation and maintenance issues?

42.0: What services/goods are considered necessary for survival in the family?

Before the IWSS		After the IWSS	
Good/Service	Value	Good/Service	Value

43.0: Who controls the household's income and labour; and who decides the expenditure?

Check (✓)

	Before IWSS			After IWSS		
	Income	Labour	Expenditure	Income	Labour	Expenditure
Husband						
Wife						
Husband/Wife						
Boys						
Girls						
Mother-in-law						
Father-in-law						
Other (specify)						

44.0: What is the impact of increased family income on the family unit?

45.0: Has the increased income/opportunities led to conflict at:

- i) Family level? Yes [] No []
- ii) Community level? Yes [] No []

If yes in (i) explain:

If yes in (ii) explain:

46.0: If somebody never participated in the sand dams project, what are the laid down conditions for joining?

47.0: Value Household Attaches to Water Sources.

Suppose your main water source was to be demolished and your asked to move to the next nearest source of water, what is the minimum amount of money you would accept as compensation for the loss of the old source?

KShs.	
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48.0: Willingness to pay for IWSS.

Suppose a certain development partner was to provide IWSS within 2 Kilometres from your household, what is the maximum amount of money would you be willing to pay towards this project?

KShs.	
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49.0: Willingness to manage water source:

a) Suppose you perceive that something is wrong with the management of your water source, what measure would you take as an individual?

b) Suppose you are elected/appointed to take up a leadership position in the water management committee, would you be willing to up the position?

50.0: Ownership of water source:

Statement	True/false	Explain
Community owns the dams		
Individuals owns the dams		
Government owns the dam		
Schools owns the dams		
KANU owns the dams		
Sasol owns the dams		
SDP owns the dams		
Christians own the dams		
<i>Kathambi</i> women own the dams		
Other (specify) owns the dams		

ii) Suppose somebody started demolishing the dam, what action would you take:

a) as an individual? Why?

b) as a community? Why?

51.0: Any other comments?
