

Rice Field Fisheries Enhancement Project - USAID

Dear Interviewee, _____ My name is _____.

I am here as a researcher studying the contribution of fisheries to household welfare. Our study is funded by USAID

To complete our study, more than XXXX households have been chosen at random. Yours is one of them. The authenticity of the results of the study will depend upon the sincerity and accuracy of your answers to the questions on this questionnaire. Please be aware of the following:

- We are not government officials and none of the information we will collect will be given to the government or anyone else
- The information we collect will in no way affect your taxes
- We are not going to be implementing a development project and this data will not be used for other development projects
- It is completely anonymous.

We mention this so that you will give answers that are as accurate as possible.

Our questions cover several subjects relating to yourself, to members of your family, and your daily activities (your activities, the expenses involved in carrying out these activities, your food consumption, your savings, other household consumption, etc.).. An incentive of XXXXXX Riels will be presented to you for spending time with us. You will receive compensation regardless of the answers you give us. Thank you in advance.

CONFIDENTIALITY

Participation is completely voluntary. You are free to ask questions at any time. If there is any question you intend not to answer, please tell the enumerator. We assure you that the information collected during this study is confidential, and will be used exclusively for this study. Your answers will not be revealed to your neighbours or to other parties without your permission.

Following the assessment of this questionnaire, done by computer, neither your name nor those of your family members will be used for any other purposes.

Does the respondent agree to be interviewed and understand that the survey is voluntary? (Yes or No)

Enumerator name

HOUSEHOLD Identification Number

Respondents / Interviewees Name(s) (include family name)

Contact number:

Date of interview (dd/mm/yyyy)

Village

Commune

District

Province

CFR Name

MODULE A: PERSONAL INFORMATION**A person is counted as a household member if:**

1) He/she currently lives within this household

2) He/she is the offspring of the household head BUT is temporarily absent for reasons such as work or study

Q1: What is the family name of the household head

Q2 Enter the following information for all members usually residing in this household.

ID CODE	Gender	How old is he/she in completed years?	Relationship to the household head	How many years of education has he/she successfully completed?	Primary Occupation of this person	Secondary Occupation of this person (A)	Secondary Occupation of this person (B)
ID CODE OF FAMILY MEMBER	1 = Male 0 = Female	Enter "99" if don't know	USE CODES	USE CODES	USE CODES	USE CODES	USE CODES
	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Codes for Relationship (4)

Household head = 1
 Spouse = 2
 Son/Daughter = 3
 Son/Daughter -In-Law = 4
 Parent = 5
 Grand-parent = 6

Sibling = 7
 Grand child = 8
 Aunt / Uncle = 9
 Niece / Nephew = 10
 Other male = 11
 Other female = 12

Codes for Education (5)

0=no education
 1 year = 1
 2 year = 2
 ...
 13 = Technical post-secondary diploma/certificate
 14 = College/university undergraduate
 15 = Bachelor degree (B.A., BSc, etc.)

Codes for Occupation (6), (7), (8)

Rice farmer= 1
 Farmer (any other than rice)= 2
 Fisher = 3
 Salaried employee not related to fisheries (government worker, office worker) = 4
 Salaried worker related to fisheries = 5
 Wage labour related to fisheries= 6
 Wage labor not related to fisheries = 7

Skilled labour/artisan related to fisheries (boat builder, net repairs) = 8
 Skilled labor non related to fisheries = 9
 Entrepreneur/small business/petty Trade not related to fisheries(palm wine, moto driver) = 10
 Student = 11
 Fish processing =12
 Fish markeing =13
 No activity = 14

Q3: From the occupation mentionned above which one are the two most important for your household for INCOME (insert CODE Occupation)

1st Occupation

2nd Occupation

Q4: From the occupation mentionned above which one are the two most important for your household for FOOD SECURITY (insert CODE Occupation)

1st Occupation

2nd Occupation

Module B1: HOUSING AND ASSETS

Q5	What is the construction material of the WALL of the house? 1 = Wood 2 = Metal 3 = Concrete 4 = Plastic 5 = Thatch 6 = Fiber 7 = Others (specify)
Q6	What is the construction material of the ROOF of the house? 1 = Wood 2 = Metal 3 = Concrete 4 = Plastic 5 = Thatch 6 = Fiber 7 = Tiles 8 = Others (specify)
Q7	What is the primary source of drinking water for your household in the wet season? 1 = River, stream, lake, pond 2 = Pump/mixed well 3 = Opened dug wells 4 = Rain water 5 = Piped water/tap water 6 = Others (specify)
Q8	What is the primary source of water for your household in the dry season? 1 = River, stream, lake, pond 2 = Pump/mixed well 3 = Opened dug wells 4 = Rain water (collected in barrel) 5 = Tap water 6 = Others (specify)
Q9	What is the main type of fuel your household uses for cooking? 1 = Charcoal 2 = wood 3 = electricity 4 Gas 5 = Biogas 6 = straw/shub 7 = animal dung
Q10	Is your house is connected to mains power (electric) line? 1 = Yes 2 = No
Q11	What is the toilet facility of the house? 1 = Toilet is inside the house 2 = Toilet is outside the house 3 = Household does not own a toilet

Q12		Does the household have the following assets?	
		Items	How many items do you own?
		(1)	(2)
A	Bicycle		
B	Mobile Phone		
C	Table Phone		
D	Motorbike		
E	Car/Truck/Van		
F	Television		
G	Radio		
H	CD player/DVD player / Karaoke system		
I	Electric Fan		
J	Gas Stove		
K	Sewing Machine		
L	Other (specify)		
M	Other (specify)		

Module B2-Livelihood Assets

Module B2-Livelihood Assets			
Q13	Does the household have the following assets?		For Gillnet nets and Seine nets Indicate the Total Lengths in meters
FISHING ASSETS	Items	How many items do you own?	
	(1)	(2)	
1	Boat		
2	Outboard motor for boat*		
3			
4	Harpoon		
5	Bamboo/rattan traps		
6	Gillnet (morg) 2.5 cm		
7	Gillnet (morg) 3-4 cm		
8	Gillnet (morg) 5-7 cm		
9	Gillnet (morg) 8-11 cm		
10	Gillnet (morg) 12-16 cm		
11	Gillnet (morg) 17+ cm		
12	Seine/drag net (uorn/neam/anh chourn)		
13	Castnet (samnah)		
14	Scoop/liftnet		
15	River trawl (magn)		
16	Hand net/cast net		
17	Hooked line (santouch)		
18	Bamboo barrage		
19	Bagnet (non-motorized) (dai trey)		
20	Funnel trap		
21	Small Cage to carry fish		
22	Barrel (thung tram)		
23	Cooler Box		
24	Smoke Griller		
25	Jar for fish		
26	Other (specify)		
Q14	Items	How many trap ponds do you own	
	Trap ponds		
	(1)	(2)	
Q15		Size of the Trap pond (m2)	Distance to CFR (meters)
	Trap Pond 1		
	Trap Pond 2		
	Trap Pond 3		
	Trap Pond 4		
Q16	Does the household have the following assets?		
FARMING AND HOME GARDEN ASSETS	Items	How many items do you own?	
	(1)	(2)	
	Ox cart		
	Plough		
	Insecticide sprayer		
	Motor pump (electric or engin)*		
	Drum seeder		
	Rickshaw/cart		
	Spades, shovels, hoe, etc.		
	Rice Miller for Local Consumption(single stage or two stage)		
	Evaporative cooler/Cooler box for vegetable		
	Motorized Thresher		
	Hand Thresher		
	Hand tractor (e.g. power tiller)		
	Other (specify)		
	Other (specify)		
Q17	Does the household have the following assets?		
AQUACULTURE ASSETS	Items	How many items do you own?	
	(1)	(2)	
	Cage(s) for aquaculture		
	Pond(s) for aquaculture		
	Other (specify)		

Module C - Farming activities

Land asset includes all the land owned by the household, including in other communes, districts or provinces.

Q18 What is the total area of your paddy fields

Q19 What is the area of your paddy field connected to the CFR

Q20 What is the total area of your chamka land

Q21 What is the total area of your fallow land

Q22 What is the total area of home garden land

Unit of Measurement	Land Area	Inundated / flooded Area	Duration of Inundation / flooding (month)

	Unit of measure for area	Agricultural land under ownership	Agricultural land that is rented to others	Agricultural land that is rented from others	Agricultural land that is owned by the community
	(1)	(2)	(3)	(4)	(5)
Q23 Agriculture Land What is the area of land on which you have grown crops, fruits and trees on during the last 12 months? (This includes paddy field land and chamka land and gardens)					

Q24 Production crop harvests in the past 12 months		Crop	Month of Harvest	Quantity Harvested	Quantity Consumed (number/unit of measure)	Quantity sold (number/unit of measure)	Quantity Bartered (number/unit of measure)	Relation unit to Kg
		(1)	(2)	(3)	(4)	(5)	(6)	(7)
Codes for Crops								
Rainfed rice = 1	Mungbean = 8							
Upland rice = 2	Cassava = 9							
Dry season rice = 3	Fruit crops/trees = 10							
Deep water rice = 4	11 = Vegetable							
Maize = 5	12 = Fruits							
Peanut = 6	13 =Other (specify)							
Soybean = 7								

Module D Livestock Production

Q25 Has your household or anyone in your household bought, sold, or owned livestock in the past 12 months? (1 = yes, 2 = No)

If "No", Continue to Module E

Q26 (for the number of livestock it include both juvenile and adult livestock)

	Type of animal	Number of livestock currently owned	Number of Livestock consumed or given in the past 12 months	Number of Livestock purchased in the last 12 months	Number of livestock sold or bartered in the past 12 months
	(1)	(2)	(3)	(4)	(5)
A	Cow				
B	Buffaloes				
C	Pigs				
D	Goats				
E	Chickens				
F	Ducks				
G	Other (specify)				

Module E Fisheries

Q27 In the last 12 months did your household go fishing or take fish ? (do not include labour in commercial fisheries) (Yes = 1, No = 2)
If "NO" Then go to Module F

Q28: We divide the year in 4 fishing period according to the water level. Estimat the relative repartition of the fish catch and OAA separately per habitat. For Flooded Rice Fields do not include Trap Pond				Indicate the % of the catch per fishing round for each time period						Estimate Total Catch (kg)	Please write in this box the breakdown of the calculation of the catch explained by the respondent during the interview
	Time Period	Months (Start-Ends)	Items	Flooded rice fields (A) (see note)	Canals and Rivers (B)	Tonle Sap lake (open area) C	Flooded Forest (D)	Reservoir and Lake (E)	Total	(Kg/season)	
1	1. No water/lowest river flow	to be defined after testing	Fish						100%		
			OAA						100%		
2	2. Water level rising	to be defined after testing	Fish						100%		
			OAA						100%		
3	3. Peak Flood	to be defined after testing	Fish						100%		
			OAA						100%		
4	4. Water Receding	to be defined after testing	Fish						100%		
			OAA						100%		

Q29: Estimate the use of the Fish and OAA in the different season

	Water levels	Fish			OAA		
		% sold fresh	% consumed fresh	% processed	% sold fresh	% consumed fresh	% processed
1	1. No water/lowest river flow						
2	2. Water level rising						
3	3. Peak Flood						
4	Water Receiding						

Q30 Of the Household Fish catch and only Catch (does not include fish purchased and process)

	Product	% consumed by household	% Barter or given	% Quantity sold	% Stored more than a year	How many months in a year do you have process fish in storage
1	1	2	3	4	5	6
2	Salted dried fish					
3	Dried Fish					
4	Smoked Fish					
5	Fermented Fish					
6	Fish filleting					
7	Prahoc					
8	Semi-final prahoc					
9	Fish Sauce					
10	Fish Ball					
11	Other (specify)					

Q31 If you own trap ponds, what is the average productivity of your trap pond per season?

	Catch (kg/trap pond/year)	Month of peak Catch
Trap pond 1		
Trap pond 2		
Trap pond 3		
Trap pond 4		

Q32

What is the income from fisheries used for? (3 main uses)

Main use	
Secondary use	
Tertiary use	

Prompt for question 32		
1- Spend income on daily expenses	4- Invest income in agriculture inputs (seeds, fertilizer) or assets	9- Use fresh fish to payback debts
2- Use income to payback debts	5 Invest income in livestock inputs (seeds, fertilizer) or assets	10 - Other
3- Spend income on health expenditures	6 - Invest income in fishing inputs or assets	
7 - Spend income on festivals and religious events	8- Spend income on schooling and education	

		% Sold	% Consumed	% Given or barter
Q33	1. In general, what do you do with high value fish that you catch?			
	2. In general, what do you do with high value OAA that you catch?			
	3. List the High Value Fish		4. List the High Value OAA	
	Fish Name	Average Price (Riel/Kg)	OAA Name	Average Price (Riel/Kg)

Q34 Do you culture fish in ponds and/or cage (aquaculture)?

Yes = 1, No = 0

Q35

How many fish ponds do you own?	What is the total area of the ponds you own? SQUARE METERS	How many fish cages/pens do you own?	What is the total volume of cages you own? IN CUBIC METERS

Q36: Total pond aquaculture production per cycle (kg)		Number of production cycle per year	Quantity Produced IN KILOGRAM/cycle	Quantity consumed by household in KILOGRAM/CYCLE	Quantity bartered or given away in KILOGRAMS/cycle	Quantity sold in KILOGRAM/cycle
	(1)	(2)	(3)	(4)	(5)	(6)
	Pond					
	Cage/pen					

Q37

What are the main fish species you raised?

	Species Code
Species	

Code for species group	
1 = Pangasius sp	2 = Snakehead
3 = Carps	4 = Tilapia
5 = Catfish	6 = Other

Module G: Relative contribution of livelihood activities to income

Q38: What is the relative contribution of each of those activities to the total income and consumption of the Housholds (Use "hundred stones" technique, with cards)

Note for enumerator: First select the Activities the HH is involved in, using cards. Once all the activities are selected, use the Hundred stones techniques estimate Income first and Consumption later

Activities	Income	Consumption (Produced and consumed)
Rice farming		
Other farming (chamkar, plantation, garden)		
Livestock		
NFTP and Timber product		
Fisheries		
Wage Labour and Salaried worker		
Remittances received		
Handicraft		
Small bussiness & petty trade		
Other source of income*		
Total	100	100

***Other souce of income includes : rent from land, equiment or other buildings, etc...**

Q39

What is the relative contribution of each of the different type of fisheries based on habitat. (Use "hundred stones" technique, with cards)

Note for enumerator: First select the different type of fisheries the HH is involved in and use the Hundred stones techniques estimate Income first and Consumption later

Activities	Income	Consumption
Fisheries		
Rice Field Fisheries (including OAA) but Trap pond Excluded		
Trap ponds		
Canal and River fisheries		
Tanle Sape Lake (Open) Fisheries		
Flooded Forest		
Total	100	100

Q40 Households Expenditure

Please indicate expenditure of the Households for main items based on estimation provided by the households. For each items and estimation please provide the time scale (months , year, number of month). Explanation of the household need to be recorded and written in the box provided).

	Epenses	Riels	Time Scale	Description/Explanation
1	Fertilizer			
2	Pesticides			
3	Seeds			
4	Farm Labor			
5	Fishing Gears Purchase			
6	Boat Rent / Purchase			
7	Livestock Vaccines			
8	Agriculture Equipment			
9	Generator Purchase			
10	Vehicle Buy / Rent			
11	Housing Improvements			
12	Business Costs			
13	Medical Expenses			
14	Donations to Monestary / Community			
15	Debt repayment			
16	Gifts			
17	Weddings, ,			
18	Funerals/Ceremonies			
19	Taxes			
20	Clothing			
21	School fee			
22	Groceries			
23	Rice			
24	Rice Wine, Beer			
25	Cigarettes			
26	Schooling			
27	Hygiene Products & cosmetics			
28	Cosmetics			
29	Cleaning Supplies			
30	Recreation			
31	Mobile Phone			
32	Transportation			
33	Haircut			
34	Gasoline / Diesel			
35	Electricity			
36	Equipment for Home & Furniture			
37	Electric Appliances			
38	Other, please specify			
39	Other, please specify			
40	Other, please specify			

Q41 Can you score the level of food sufficiency in your households for the different type of food during the year
Use cards to score the level of food sufficiency

Codes for Q41

Q49. Age at which children begin receiving complementary foods

Q49b: What typ of food

Code for Q49E

Q50: Age at which children begin receiving fish?

Q50b: Age at which children begin receiving Other Aquatic Animals (OAA

Q51: Dietary diversity of women: number of food groups consumed in different seasons

Q52: Which foods (fish species and OAA) are good/not good for children's health and well being and why?

Q53 What the main constraints for not including the foods considered beneficial for children, pregnant and lactating women?

Code for Q53

1: Not available on the market/village level
2: No money to buy/Too expensive
3: Do not like it
4: Long/difficult to prepare
5: Other

Q47 How many times are you and your children were sick the last 12 months

Q48 Do you fish less because of sickness (1 yes/ 2: no)
Do your children fish less because of sickness (1: yes/ 2:no)

Q52b: Which foods (fish species and OAA) are good/not good for pregnancy and lactation and why?

Code for Q52 and 52b food type

- | | |
|------------------------------------|------------------|
| 1: black fish | 13: beer |
| 2: white fish | 14: rice |
| 3: fermented fish | 15: other grain |
| 4: dry and smoked fish | 16: process food |
| 5: Aquatic plant | 17: Fruits |
| 6: Shell fish (including snails) | 18: Other |
| 7: Porc | |
| 8: Cow, cattle, buffalo | |
| 9: Poultry | |
| 10: vegetable (leafy) | |
| 11: vegetable (non leafy) | |
| 12: Fermented beverage and alcohol | |

I: INCOME and EXPENDITURE SHOCKS

Income Shock	Q42: Has the household faced any major income shortfalls unexpectedly large expenditures during the past 12 months? Crop Loss = 1 Livestock Loss = 2 Land Loss (expropriation) = 3 Productive Asset Loss = 4 Non-Productive Asset Loss = 5 Wedding or Other Costly Social Event = 6 Job Loss = 7 Death, illness or health emergency in household member = 8 If (7) or (8), express sympathy and prompt: I recognize that the loss or injury of a loved one is far more than simply the money spent.	Q43: What month(s) did this shocks occur? 1= January 2= February 3= March 4= April 5= May 6= June 7= July 8= August 9= September 10=October 11= November 12= December	Q44:What was the estimated total loss (value) incurred or the expenditure (actual) required? loss expend		Q45: How did your household cope with this loss and/or additional unusual expenditure? Sold non-productive household asset(s) = 1 Sold Productive Household Assets = 2 Borrowed Money from Friends = 3 Borrowed Money from Financial Institution = 4 Borrowed Money from Money Lender = 5 Spent cash savings = 6 Received Support from NGO = 7 Received Support from Friends/Relatives = 8 Received Support from Government = 9 Increased Household Farming Activity = 10 Increased Household Livestock Activity = 11 Increased Household Fishing Activity = 12 Increased Household NTFP Collection Activity = 13 Increased Household Wage Labour Activity = 14 Increased Household petty trade/Semi-Skilled Labour Activity = 15 Reduce Household Spending = 16 Have a household member begin working (who was not working before) = 17 Decreased educational-related expenses (e.g. school fees)= 18 Decreased non-food expenditures (items, entertainment, etc) = 19 Other (specify) = 20 Nothing = 21	Q46: Have you reduced consumption of any of the following items in response to your sudden cash need/job loss? Decreased amount of rice consumption = 1 Decreased amount of fish consumption = 2 Decreased amount of meat consumption = 3 Decreased other food consumption = 4 Other (specify) =5
	List all shocks that occurred	MONTHS	RIELS OR KILOGRAMS IF CROP LOSS		LIST the 3 main coping strategy	LIST the 3 main coping strategy
(1)	(2)	(3)	4(a)	4(b)	(5)	(6)
01						
02						
03						
04						
05						
06						