



## **Mekong River Commission**

### **Social Impact Monitoring**

#### **Round 1**

### **Household Questionnaire**

**Date \***

**Carried out by \* on behalf of MRC**

**Contact:**

**I. IDENTIFIERS, QUALITY CONTROLS AND INTRODUCTION**

No.	Check/Question	Response/Name	Code	Go To	Sup
1.	<b>Country</b> [Circle]	Cambodia Lao PDR Thailand Viet Nam	1 2 3 4		
2.	<b>Province</b> [Write name. Add code from list]				
3.	<b>District</b> [As above]				
4.	<b>Commune</b> [As above]				
5.	<b>Village (as above)</b>				
6.	<b>Household No.</b>				
	<b>6.1 Ethnicity of the household</b>				
7.	<b>Name of interviewee</b>				
8.	<b>Name of interviewer</b>				
9.	<b>Signature of interviewer</b>				

**QUALITY CONTROL**

10.	<b>Date of 1<sup>st</sup> visit</b>			<b>day</b>			<b>month</b>
11.	<b>Outcome of 1<sup>st</sup> visit</b>	Interview completed	1				
		Interviewee not at home	2				
		Interview refused	3				
12.	<b>Date of 2<sup>nd</sup> visit</b>			<b>day</b>			<b>month</b>
13.	<b>Outcome of 2<sup>nd</sup> visit</b>	Interview completed	1				
		Interviewee not at home	2				
		Interview refused	3				
14.	<b>Date of 3<sup>rd</sup> visit</b>			<b>day</b>			<b>month</b>
15.	<b>Outcome of 3<sup>rd</sup> visit</b>	Interview completed	1				
		Interviewee not at home	2				
		Interview refused	3				

**SUPERVISOR**

16.	Name of SUPERVISOR					
17.	Date of check			day		month
18.	Signature of team supervisor					

**DATA MANAGER CODING CHECK (TEAM)**

19.	Name of data manager					
20.	Data manager check date			day		month
21.	Signature of data manager					

**DATA ENTRY OPERATOR # 1**

22.	1 <sup>ST</sup> Data entry operator					
23.	Date of first data entry			day		month
24.	Signature of first data entry operator					

**DATA ENTRY OPERATOR # 2**

25.	2 <sup>nd</sup> data entry operator					
26.	Date of second data entry			day		month
27.	Signature of second data entry operator					

**DATABASE MANAGER (TEAM)**

28.	Name of database manager					
29.	Data validation check date			day		Month
30.	Signature of database manager					

**ENUMERATOR (SELF-CHECK)**

31.	<b>The total number of unexpected missing/incorrect values</b>				
1.31.1	The question # with unexpected missing/incorrect values				
1.31.2	The question # with unexpected missing/incorrect values				
1.31.3	The question # with unexpected missing/incorrect values				
1.31.4	The question # with unexpected missing/incorrect values				
1.31.5	The question # with unexpected missing/incorrect values				
1.31.6	The question # with unexpected missing/incorrect values				
1.31.7	The question # with unexpected missing/incorrect values				
1.31.8	The question # with unexpected missing/incorrect values				
1.31.9	The question # with unexpected missing/incorrect values				
1.31.10	The question # with unexpected missing/incorrect values				

**SUPERVISOR**

32.	<b>Interviewer review of unexpected missing/incorrect values</b>			
33.	The total number of missing/incorrect values			
34.	Out of which:	Number of unexpected missing/incorrect values resolved		
35.		Number of unexpected missing/incorrect values unresolved		

**DATA ENTRY OPERATOR CHECK (TEAM)**

36.	<b>Review of unexpected missing/incorrect values</b>			
37.	The total number of unexpected missing/incorrect values			
38.	Out of which:	Number of unexpected missing/incorrect values resolved		
39.		Number of unexpected missing/incorrect values unresolved		

**DATABASE MANAGER CHECK (TEAM)**

40.	<b>Review of unexpected missing/incorrect values</b>			
41.	The total number of unexpected missing/incorrect values			
42.	Out of which:	Number of unexpected missing/incorrect values resolved		
43.		Number of unexpected missing/incorrect values unresolved		

**INTRODUCTION**

[ENUM: READ OUT] Hello. My name is \_\_\_\_\_. I am here doing some work for the Mekong River Commission, an international organisation that coordinates planning for sustainable development. We are here to study people's livelihoods and use of water resources. The information collected during our discussions will be used for planning purposes for the benefit of people living in the Mekong Basin. I hope you don't mind if I ask you a few questions about your life and activities. We will not record your name and nothing you say will be linked directly to you. The interviews will take about 1 hour of your time. Your contribution will be highly appreciated, but unfortunately no cash payment can be made. Is it OK to continue? \_\_\_ 1. Yes 2. No [Enum: If no, move on to next household. Please spend some time chatting a little with the household to relax them before starting the formal questions.]

**II. HOUSEHOLD MEMBERS**

No.	Check/Question	Number
44.	Total household members	

**[Enum: Take one question at a time and ask for all household members. Complete by circling the appropriate response for each person. Only use names for recall. Put member's initials at top of column].**

No.	Question/instruction	Response/instruction	Codes [circle]																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
44.1		[Put initial of all household members]	[HHH ]																	
45.	Sex	Male	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Female	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46.	What is the age of [name]?	[Write age last birthday]																		
47.	What is the relationship of [name] to household head?	Head	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Spouse	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		Parent	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		Child	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		Other relative	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
		Not related	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

		DK	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
	No.	[Put initial of all adults only]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
48.	What level of education did/has [name] completed?	None	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		Primary	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		Lower secondary	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		Upper secondary	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		Tertiary	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
		DK	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
49.	What is [name's] main occupation in the last 12 months? By main occupation we mean what [name] spends most of his/her time doing.	Not working	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		Farming	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		Fishing	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		Collecting OAAs	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		Aquaculture	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
		Fish processing/marketing	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
		Farm labourer	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		Other irregular work	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
		Permanent employment	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		Student	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
		Business/trading	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
		House work	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
		Other	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	

		DK	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
No.	[Put initial of all adults only]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
50.	What is [name's] second occupation?	Not working	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		Farming	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		Fishing	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		Collecting OAAs	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		Aquaculture	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
		Fish processing/marketing	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		Farm labourer	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		Other irregular work	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		Permanent employment	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		Student	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
		Business/trading	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
House work	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13		
Other	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		
DK	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99		
51.	Is [name] a member of any association?	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		(If no, go to 53) No	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		Don't know	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	

	No.	[Put initial of all adults only]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
52.	What kind of group?	Religious	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		Women	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		Youth	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		Elderly	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		Savings/Credit	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
		Farmers	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		Fishers	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		Shared labour group	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		Veterans	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		Other	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
DK	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99		
53.	Where does [name] work?	In the village	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		Outside the village	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
		Cross-border	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		DK	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	



**III. MOST IMPORTANT OCCUPATIONS OF THE HOUSEHOLD**

No.	Check/Question	Response	Number	Go To	Sup
54.	Of the occupations you mentioned earlier in the household, which would you say is the <i>most</i> important in terms of sustaining your livelihoods?  [Enum: Read the ones they mentioned and ask the respondent to select one only]	Not working Farming Fishing Collecting OAAs Aquaculture Fish processing/marketing Farm labourer Other irregular work Permanent employment Student Business/trading House work Other DK	1 2 3 4 5 6 7 8 9 10 11 12 13 99		
55.	Of the occupations you mentioned earlier in the household, which would you say is the <i>second most</i> important in terms of sustaining your livelihoods?	No second occupation Farming Fishing Collecting OAAs Aquaculture Fish processing/marketing Farm labourer Other irregular work Permanent employment Student Business/trading House work Other DK	1 2 3 4 5 6 7 8 9 10 11 12 13 99		

**IV. LIVE LIHOOD ACITIVITIES**

I would now like to ask you specifically about different activities related to water resources. Could you confirm whether or not any household members engaged in the following activities in the last 12 months:  
[Enum: READ the list, but don't repeat the ones that are already known from occupation sections]

No.	Activity	Response	Code	Go To	Sup
56.	Fishing	Yes No	1 2		
57.	Collecting OAAs	Yes No	1 2		
58.	Aquaculture	Yes No	1 2		
59.	Irrigated farming	Yes No	1 2		
60.	None irrigated farming	Yes No	1 2		
61.	River bank cultivation	Yes No	1 2		

62.	Have any household members had to change <b>occupation or livelihood activity</b> in the last five years because of declining productivity of natural resources, such as fish, other aquatic animals or collected plants? [Prompt to make sure change was due to declining productivity and not other factors.]	Yes No DK	1 2 99	>q64	
63.	If yes for q 62, how many	Number of people			

## VI. ALTERNATIVE LIVELIHOODS

No.	Question	Response	Code	Go To	Sup
64.	If your household members were no longer able to engage in the occupations activities you have just mentioned due to a decline in their productivity what would you do? [Circle upto three responses].	Shift to another natural resource activity Shift to livestock Shift to farming Seek employment locally Migrate Start business Borrow money/food Depend on help from others Not sure what we would do Not applicable DK	1 2 3 4 5 6 7 8 9 10 99		

## VI. DEPENDENCE ON FISH

No.	Question	Response	Code	Go To	Sup
65.	Could I please confirm. Has any household member fished in the last 12 months?	Yes No	1 2	>q73	

[ENUM: READ]I would like to learn more about how much time you spend fishing over the year and how much you usually catch of whatever species. Perhaps we can do this by looking first at your busiest months, and then look at your quietest months. [Enumerator: Work with the respondent to complete the table below. If need be, visualize the discussion with a graph on scrap paper first. Please make sure each cell as a number. Use "8888" for any month when no time was spent on fishing. Do not use lines. Leave no blanks. 0 for when no catch was made. Circle main ecosystem that fish came from in that month.]

Time Spent and Amounts Caught		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
66.	Average number of <b>days</b> per week [e.g. 0 to 7 days]												
67.	Average number of <b>hours</b> fishing per day												
68.	Average amount <b>caught</b> per day (kgs)												
69.	<b>How much was sold (kgs)?</b>												
70.	<b>How much was eaten (kgs)?</b>												
71.	<b>How much was preserved (kgs)?</b>												

72.	<b>Main ecosystem that month:</b>												
	Mekong mainstream	1	1	1	1	1	1	1	1	1	1	1	1
	Other rivers and streams	2	2	2	2	2	2	2	2	2	2	2	2
	Tonle Sap	3	3	3	3	3	3	3	3	3	3	3	3
	Other lakes or swamps/wetlands	4	4	4	4	4	4	4	4	4	4	4	4
	Ponds and canals	5	5	5	5	5	5	5	5	5	5	5	5
	Paddies	6	6	6	6	6	6	6	6	6	6	6	6
	Other ecosystems	7	7	7	7	7	7	7	7	7	7	7	7
	DK	99	99	99	99	99	99	99	99	99	99	99	99

	Question	Response	Code	Go To	Sup
73.	Are there any special places some distance from the village where you (or your HH members) migrate to temporarily to catch fish on a seasonal basis (e.g. during fish migrations)?	Yes No DK	1 2 99	>q76	
74.	For how many days in the year do you move to that place? [ENUM: Convert weeks or months to days]	[Write number of days]			
75.	In what ecosystem do you do this <b>seasonal</b> fishing ?	Mekong mainstream Other rivers and streams Tonle Sap Other lakes or swamps/wetlands Ponds and canals Paddies Other ecosystems DK	1 2 3 4 5 6 7 99		
76.	Did anyone in the household catch any fish <b>in the last 24 hrs (yesterday)</b> ?	Yes No	1 2	>q82	
77.	From what ecosystem?	Mekong mainstream Other rivers and streams Tonle Sap Other lakes or swamps/wetlands Ponds and canals Paddies Other ecosystems DK	1 2 3 4 5 6 7 99		
78.	what was the weight in kilograms of the <b>total</b> catch?	[Write total kgs]			
79.	How much was <b>sold</b> ?	[Write total kgs]			
80.	How much was <b>eaten in the household</b> ?	[Write total kgs]			
81.	How much was <b>preserved</b> ?	[Write total kgs]			

**PERCEPTIONS OF TRENDS OF FISH**

No.	Question	Activity	Code	Go To	Sup
82.	Overall, how would you say your fish catch compares in terms of quantity with five years ago? (member of household, sometime/usually, fishing from nature)	Less Same A little more Much more DK	1 2 3 4 99	>q86 >q85 >q85 >q86	
83.	[If less] What do you believe are the causes of having less fish in your catch?	Competition from other fishers Too many fish caught Illegal/inappropriate methods Pollution Dams/infrastructure/flow Change Disappearance of species Weather related causes Other DK	1 2 3 4 5 6 7 8 99		
84.	[If less]What have the consequences of less catch been for your household?	Less food Less income Less bartering Boredom/frustration Other DK	1 2 3 4 5 99		
85.	[If more] What do you believe are the causes of having more fish in your catch?	Use of modern technologies More fish Others DK	1 2 3 99		

**VII. DEPENDENCE ON OAAs AND OTHER OAPs.**

No.	Question	Activity	Code	Go To	Sup
86.	Could I please confirm, has any household members collected OAAs and/or OAPs in the last 12 months?	Yes No	1 2	>q93	
87.	What is the most important type of OAA for your household, from the point of view of food or sales, that you collected in the last 12 months? (Please circle up to two answers and then write 1 to indicate most important and 2 for the second most important)	Frogs Tadpoles Crabs Snails Clams/ Shells Shrimps Eels Turtles Other DK	1 2 3 4 5 6 7 8 9 99		

88.	What is the main ecosystem where you got [name of most important type] in the dry season?	Mekong mainstream Other rivers and streams Tonle Sap Other lakes or swamps/wetlands Ponds and canals Paddies Other ecosystems Don't collect in this season DK	1 2 3 4 5 6 7 88 99		
89.	What is the main ecosystem where you got [name of most important type] in the wet season?	Mekong mainstream Other rivers and streams Tonle Sap Other lakes or swamps/wetlands Ponds and canals Paddies Other ecosystems Don't collect in this season DK	1 2 3 4 5 6 7 88 99		
90.	What is the most important type of OAPs for your household, from the point of view of food or sales, that you collected in the last 12 months?	Morning glory Water hyacinth Algae Lotus Water lilly Water mimosa Other DK	1 2 3 4 5 6 7 99		
91.	What is the main ecosystem where you got [name of most important type] in the dry season?	Mekong mainstream Other rivers and streams Tonle Sap Other lakes or swamps/wetlands Ponds and canals Paddies Other ecosystems Don't collect in this season DK	1 2 3 4 5 6 7 88 99		
92.	What is the main ecosystem where you got [name of most important type] in the wet season?	Mekong mainstream Other rivers and streams Tonle Sap Other lakes or swamps/wetlands Ponds and canals Paddies Other ecosystems Don't collect in this season DK	1 2 3 4 5 6 7 88 99		

### PERCEPTIONS OF TRENDS OF OAAs AND OAPs

No.	Question	Activity	Code	Go To	Sup
93.	Overall, how would you say your OAA catch collected compares in terms of quantity with five years ago? (member of household, sometime/usually, fishing from nature)	Less Same A little more Much more DK	1 2 3 4 99	 >q93a >q93a >q93a >q93a	

94.	[If less] What do you believe are the causes of having less OAAs in your catch?	Competition from other fishers Too many fish caught Illegal/inappropriate methods Pollution Dams/infrastructure/flow change Disappearance of species Weather related causes Other DK	1 2 3 4 5 6 7 8 99		
95.	[If less]What have the consequences of less OAAs catch been for your household?	Less food Less income Less bartering Boredom/frustration Other DK	1 2 3 4 5 99		
	93a. Overall, how would you say your OAPs collected compares in terms of quantity with five years ago?	Less Same A little more Much more DK	1 2 3 4 99	>q96 >q96 >q96 >q96	
	94a. [If less] What do you believe are the causes of having less OAPs in your catch?	Competition from other users Too many OAPs collected Illegal/inappropriate methods Pollution Dams/infrastructure/flow change Disappearance of species Weather related causes Other DK	1 2 3 4 5 6 7 8 99		
	95a. [If less]What have the consequences of less OAPs been for your household?	Less food Less income Less bartering Boredom/frustration Other DK	1 2 3 4 5 99		

### VIII. DEPENDENCE ON CULTIVATED CROPS

No.	Question	Activity	Code	Go To	Sup
96.	Could I please confirm, does you household cultivate any crops?	Yes No	1 2	>q110	
97.	What is the most important crops for the households	Rice Other crops Industrial plants Other plants DK	1 2 3 4 99		

98.	How many hectares of land does your household have for cultivation in total?	[Write hectares]			
99.	How many hectares of the most important crop (as in q.97) did your household cultivate in the last wet season? (own and hired land )	[Write hectares]			
100.	In the wet season, did you experience any water shortages or excesses that resulted in crop damage?	Water shortages Excess water Both Neither DK	1 2 3 4 99		
101.	How many hectares of the most important crop (as in q.97) did your household cultivate in the last dry season?	[Write hectares]			
102.	In the dry season, did you experience any water shortages or excesses that resulted in crop damage?	Water shortages Excess water Both Neither DK	1 2 3 4 99		
103.	What is the value of the most important crops or industrial trees (as in q.97) did you harvest last year in total?	[local currency]			
104.	Of these, what is the value (as in 97) came from an area that you irrigated?	[local currency]			
105.	How many percent did you sell?	[%]			
106.	What sources of water do you have (for q104)? [Enum: Read list. Circle upto 3 responses]	Only rain Natural flooding Mekong Natural flooding other Irrigation from Mekong Irrigation other Other system DK	1 2 3 4 5 6 99		
107.	Could I please confirm, does your household cultivate any crops on the banks of the Mekong?	Yes No	1 2	<b>&gt;q110</b>	
108.	[If yes] What is the size of the land on the river bank that you cultivate?	[Write size in hectares]			
109.	[If yes] Approximately what percent of your river bank produce did you sell last season? [Help respondent to approximate if necessary]	[Write percent]			

**PERCEPTIONS OF TRENDS OF CULTIVATED CROPS**

No.	Question	Responses	Code	Go To	Sup
110.	Overall, how would you say your crop yield compares in terms of quantity with five years ago?	Less Same A little more Much more DK	1 2 3 4 99	>q114 >q113 >q113 >q114	
111.	[If less] What do you believe are the causes of having less crop yield?  (circle up to 3 answers)	Water shortages Excess water Declining fertility Cost of inputs Shortage of labour Less demand Lower prices Pests Flood Drought Weather Variability Other DK	1 2 3 4 5 7 8 9 10 11 12 13 99		
112.	[If less]What have the consequences of less yield been for your household?  Cicle up to 3 answers	Less food Less income Less bartering Boredom/frustration Other DK	1 2 3 4 5 99		
113.	[If more] What do you believe are the causes of having more crop production?  Cicrle up to 3 answers	Irrigation Market opportunities Fertilizer Pest control Extension advice Fertile land Enough water High yield varieties Other DK	1 2 3 4 5 6 7 8 9 99		

**IX. AQUACULTURE**

114.	Do you raise fish/shrimps or any other species at all?	Yes No	1 2	>q115	
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A	B	C	d	e	f	G	h	i	J	K	l
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Aqua-culture type	Holding facility	Size of area (m <sup>2</sup> )	Location	Production last year (kgs)	Months with water shortages	% eaten in last year	% bartered or gifted last year	% sold in last year	Value of sales in last year	Change in yields in the last five years	Perceived cause for change

**Aquaculture type:** 1. Exotic Fish 2. Native Fish 3. Shrimps 4. Frogs 5. Eels 6. Crocodile 7. Other (Specify \_\_\_\_\_)

**Holding facility type:** 1. Pond 2. Pen 3. Cage Tank, 4. others (in the case of Cambodia)

**Location:** 1. River 2. Lake 3. Rice field 4. Channel 5. Canal 6. Well 7. Rainfall/ponds 8. Reservoir, 9. Others

**Months with water shortage:** 0=None. For other months use calendar months, e.g. 1-4 = Jan to April.

**Value:** Use local currency.

**Change in yields.** 1. Much more. 2. More. 3. Little more 4. Same 5. Little less 6. Less 7. Much less

**Perceived causes:** FOR LESS: 1. Water shortages 2. Pollution 3. Capital 4. Disease 5. Feed problems

FOR MORE: 6. Good management 7. Good fingerlings 8. Pest control 9. Extension advice

FOR EITHER: 10. Other (Specify) \_\_\_\_\_ 11. Other (Specify) \_\_\_\_\_

## X. CONSUMPTION

No.	Question	Response/Instruction	Code	Go To	Sup
115.	How many people had breakfast at home yesterday? If eaten in the homestead (eg. Rice field), please consider as eaten at home. This applies also to 116-117.	[Write number of people]			
116.	How many people had lunch at home yesterday?	[Write number of people]			
117.	How many had dinner at home yesterday?	[Write number of people]			

Please indicate how much was eaten yesterday and the source [Enumerator: READ list. Use conversion guide agreed in training to estimate quantities eaten the day before the interview. Use 0 kgs for anything not eaten. Exclude any food cooked but not eaten in the home that day.

No.	Question	Response/Instruction	Code/ amount	Go To	Sup
118.	How much rice was cooked in the home yesterday?	[Write kgs cooked]			
119.	What proportion of the rice that was cooked yesterday was given away, feed to animals, used for fishing or thrown away?	[Write approximate percent]			
120.	What was the source of the rice?	Own production Purchased Other DK	1 2 3 99	>q122	
121.	If purchased, how much?	Local currency			
122.	How much fish was eaten in the home yesterday? (If all the household members eat outside home, please ask for the last meal at home)	[Write kgs eaten]			
123.	What was the source of the fish yesterday ?	Caught Purchased Received from others DK	1 2 3 99		
124.	If purchased, how much of the amount eaten yesterday? (calculate the amount that was eaten yesterday. Please don't include what was not eaten)	Local currency			
125.	How much OAAs were eaten in the home yesterday?	[Write kgs eaten]			
126.	[If OAAs eaten] What kind yesterday?	Frogs Tadpoles Crabs Snails Clams/ Shells Shrimps Eels Turtles Other DK	1 2 3 4 5 6 7 9 10 99		
127.	What was the source of the OAAs yesterday?  Circle up to 3 answers	Caught Purchased Received from others DK	1 2 3 99	<b>129</b>  <b>130</b>	
128.	If purchased, how much? (sum of all the OAAs eaten yesterday)	Local currency			

129.	[If caught] From what ecosystem?	Mekong mainstream Other rivers and streams Tonle Sap Other lakes or swamps Ponds and canals Paddies Other ecosystems DK	1 2 3 4 5 6 7 99		
130.	How many eggs were eaten in the home yesterday?	[Write number eaten]			
131.	What was the source of the eggs yesterday?  Circle up to 3 answers	Own production Purchased Received from others DK	1 2 3 99		
132.	If purchased, how much?	Local currency			
133.	How much red meat (cow, buffalos, sheep, goat, pig) was eaten in the home yesterday?	[Write kgs eaten]			
134.	What was the source of the red meat yesterday?  Cicle up to 3 answers	Own production Purchased Received from others DK	1 2 3 99		
135.	If purchased, how much	Local currency			
136.	How much white meat (chicken, duck, bird) was eaten in the home yesterday?	[Write kgs eaten]			
137.	What was the source of the white meat yesterday?  Cicle up to 3 answers	Own production Purchased Received from others DK	1 2 3 99		
138.	If purchased, how much?	Local currency			
139.	How much vegetable (include all plants, e.g. bamboo shoots, cabbage, mushrooms) in total were eaten in the home yesterday?	[Write kgs eaten]			
140.	What was the main source of the vegetables yesterday?  (Circle up to 3 answers)	Own production riverbank Own production elsewhere Wild/gathered Purchased Received from others DK	1  2 3 4 5 99		
141.	If purchased, how much?	Local currency			

142.	Looking back over the 7 days [but excluding yesterday] which of the following items were eaten? [Enum: READ list. Circle all positive responses].	Rice Fish OAAs Eggs Red meat White meat Vegetables Other DK	1 2 3 4 5 6 7 8 99		
143.	Overall, how would you say your household food security situation (own production/collection) compares with 5 years ago?	Less food secure Same A little more food secure Much more food secure DK	1 2 3 4 99		

## XI. FOOD STORAGE AND PURCHASEING

No.	Question	Response/Instruction	Code	Go To	Sup								
144.	Do you have <b>rice in the store</b> ?	Yes No DK	1 2 99	>q147 >q147									
145.	How many kgs of rice are in your store now for <b>replanting</b> ?	Write kg											
146.	How many kgs of rice are in your store now for <b>consumption</b> ?	Write kg											
147.	How many kgs of <b>processed</b> fish (dried, fermented)?	Write kg											
148.	Have any household members changed occupation because of food shortages?	Yes No DK	1 2 99	>q150 >q150									
149.	<i>If yes, what was the main reason?</i>	Food stocks ran out completely  Stock was low.  Food too expensive  Sometimes not enough for all.  Always not enough for all.  DK	1  2  3  4  5  99										
150.	Please indicate in which months you had to do any of the following (if at all)? [Enumerator: Use a cross to indicate the month when the action took place. If none, leave blank.]												
<b>Action</b>		<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
a. Buy rice													
b. Borrow rice													

c. Borrow money to buy rice												
d. Substitute rice with other starch												

## XII. EXPENDITURE

No.	Question	Instruction [Write amount in local currency]	Value	Sup
151.	Overall, <b>last week</b> how much cash do you estimate you spent on food in total?			
152.	Please indicate how much you spent on the following non-food items in the <b>last three months</b>	[READ OUT ALL ITEMS]		
153.	Clothes			
154.	Education			
155.	Travel and transport			
156.	Medical care			
157.	Electricity and water			
158.	Telephone and Movable phone (include value and operation)			
159.	Electrical appliances			
160.	Building/repairs			
161.	Land rental			
162.	Boats, nets, fishing gear			
163.	Farming inputs			
164.	Hired labour			
165.	Business			
166.	Repayment of loans in cash			
167.	Donations and events			
168.	Land tax (and other taxes)			

## XIII. KEY SOURCE OF INCOME

[Eum. READ] Looking at your expenditure could you indicate what your sources of income were in the last year. This information will be kept confidential. We simply need it to have a full understanding of your livelihood. [Enum. (i) Using information from past sections on occupations, livelihood activities, fish, OAAs and crop, ask for amounts from sources already know; (ii) then read other possible sources; (iii) then prompt for any other source. For each source determine the frequency of income and how many times this is obtained in the year to compute an annual total, using the examples in the top row (e.g. salary is monthly, so received 12 times a year; vegetables sales in the example were weekly for four months in the wet season).

No.	Source of income	Amount	Number of times in the year income obtained from source	Annual Total
E.g.	SALARY	\$1000	12	\$12,000
E.g.	SALE OF VEGETABLES	\$30	16	\$480
169.	Sales of own fish catch			
170.	Sales of others fish catch			
171.	Sale of fish from aquaculture			
172.	Sale of OAA			
173.	Sale of rice			
174.	Sale of other crops			
175.	Sale of crops from riverbank			
176.	Sale of livestock			
177.	Business (profit)			
178.	Employment (full-time)			
179.	Employment (irregular/seasonal)			
180.	Pensions			
181.	Credit/loans			
182.	Savings (in bank or not)			
183.	Remittances (money sent by HH members)			
184.	Interest			
185.	Other_____			
186.	Overall, how would you say you household income compares with five years ago?	Less Same A little more Much more DK	1 2 3 4 99	

#### XIV. ASSETS

[Enum. READ]I would now like to ask you about the household assets. Please indicate the approximate value of asset, assuming you tried to sell it how much would you ask.

No.	Asset [READ list]	Number [Write number of assets]	Total sale value [Write value of all assets in national currency]	Productive (tick)	Non- Productive (tick)
187.	TV				
188.	Mobile phone included telephone				
189.	Fridge				
190.	Motorbike				
191.	Car/truck				
192.	Tractor				
193.	Ox cart				
194.	Boat with no engine				
195.	Boat with engine				
196.	Fish equipment				
197.	Water tank				
198.	Dug well				
199.	Drill well:handpump				
200.	Drill well:electric				
201.	Irrigation equipment				
202.	Rice mill				
203.	Thresher				
204.	Cattle/Buffalo/goat				
205.	Pigs				
206.	Poultry				
207.	Residential lands (m2)				
208.	Agricultural lands including grazing lands (m2)				

### XV. WATER SUPPLY AND ROAD ACCESS

No.	Question	Response/Instruction	Code	Go To	Sup
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209.	What are sources of water for drinking and washing do you have?	Dug Well Drilled well Spring River Pipe Other (including purchased) DK	1 2 3 4 5 6 99		
210.	Did your main household water supply run dry at all during the last dry season?	Yes No Not dry, but not enough DK	1 2 3 99	>q212 >q212	
211.	[If yes or not dry but not enough] For how many months in the year?	[Write number of months]			
212.	How many kilometers is your home from a road?	[Write kilometers]			
213.	Can a truck access to your home during the rainy season?	Yes No DK	1 2 99		
214.	Can a truck access to your home during the dry season?	Yes No DK	1 2 99		

## XVI. FLOODING

No.	Question	Response/Instruction	Code	Go To	Sup
215.	How often damaging floods occurred in the last 5 years, compared to the last 10-15 years	The same Less More often DK	1 2 3 99		
216.	Has your household experienced damage from flooding in the last 5 years?	Yes No DK	1 2 99	>q218 >q218	
217.	[If yes] How many months did it take you to recover from the losses?	0-6 months 6 months-1 year 1-3 years 3-5 years Still not recover	1 2 3 4 5		
218.	Has your household experienced any flooding in the last 12 months?	Yes No DK	1 2 99	>q238 >q238	
219.	[If yes] Was there any loss of assets?	Yes No DK	1 2 99	>238	



220.	Loss of paddy lands	Hectares			
221.		% of total land area			
222.		% of usual production			
223.	Loss of cows	Number			
224.		Value			
225.	Loss of buffalos	Number			
226.		Value			
227.	Loss of pigs and goats	Number			
228.		Value			
229.	Loss of chicken and ducks	Number			
230.		Value			
231.	Loss of other properties	Value			
232.	Loss of working days:	Number of days			
233.	Loss of life	Number of people			
234.	Number of days of lack of access to safe drinking water.	Number of days			
235.	Lack sanitation caused by floods	Number of days			
236.	Injuries by floods	Number of people injured			

237.	Coping strategies, switching to:	1. fishing	1		
		2. farming	2		
		3. hired labour in the village	3		
		4. find job outside the village (eg. Towns/cities)	4		
		5. Making goods for sell	5		
		6. Selling of livelihoods assets (eg. Cattles, land, etc).	6		
		7. Turning to family, relatives, friends	7		
		8. Received assistance from the gorvenment	8		
		9. Received assistance from other organizations	9		
		10. Going into dept	10		
		11. Relying on NTFPs	11		
	11. Other: please specify.....	12			

## XVII. DROUGHT

No.	Question	Response/Instruction	Code	Go To	Sup
238.	How often drought occurred in the last 5 years, comparad to the last 10-15 years	The same Less More often DK	1 2 3 99		
239.	Has your household experienced in damage from drought in the last 5 years?	Yes No DK	1 2 99	>241	
240.	[If yes] How many months did it take you to recover from the losses?	[Write number of months]			
241.	Has your household experienced any drought in the last 12 months?	Yes No DK	1 2 99	>254	
242.	[If yes] Was there any loss of assets?	Yes No DK	1 2 99		
243.	Loss of rice	% of usual production			
244.	Loss of cows	Number			

245.		Value			
246.	Loss of buffalos	Number			
247.		Value			
248.	Loss of pigs and goats	Number			
249.		Value			
250.	Loss of chicken and ducks	Number			
251.		Value			
252.	Loss of other properties	Value			
253.	Coping strategies, switching to:				
		0. no change	0		
		1. fishing	1		
		2. farming	2		
		3. hired labour in the village	3		
		4. find job outside the village (eg. Towns/cities)	4		
		5. Making goods for sell	5		
		6. Selling of livelihoods assets (eg. Cattles, land, etc).	6		
		7. Turning to family, relatives, friends	7		
		8. Received assistance from the gorvenment	8		
		9. Received assistance from other organizations	9		
		10. Going into dept	10		
		11. Relying on NTFPs.	11		
		12. Other: please specify.....	12		

### XVIII. CLIMATE CHANGE

254.	Has your household experienced damage from other weather varibility (eg. Changing temperature, changing rainfall patterns, shorter but more intense rainy season) in the last 5 years?	Yes No DK	1 2 99	>q256 >q256	
255.	[If yes] How many months did it take you to recover from the losses?	[months]			

256.	Has your household experienced in damage from other climate change events in the last 12 months?	Yes No DK	1 2 99	>269	
257.	[If yes] Was there any loss of assets?	Yes No DK	1 2 99	>269	
258.	Loss of rice	% of usual production			
259.	Loss of cows	Number			
260.		Value			
261.	Loss of buffalos	Number			
262.		Value			
263.	Loss of pigs and goats	Number			
264.		Value			
265.	Loss of chicken and ducks	Number			
266.		Value			
267.	Loss of other properties	Value			
268.	Coping strategies, switching to: (Not more than 3 options please)	0. No change 1. fishing 2. farming 3. hired labour in the village 4. find job outside the village (eg. Towns/cities) 5. Making goods for sell 6. Selling of livelihoods assets (eg. Cattles, land, etc). 7. Turning to family, relatives, friends 8. Received assistance from the gorvenment 9. Received assistance from other organizations 10. Going into dept 11. Other: please specify.....	0 1 2 3 4 5 6 7 8 9 10 11		

**ADAPTATION**

269.	Has your household changed season for growing rice?	1. wet to dry 2 dry to wet 3. Not applicable/no change 99. DK	1 2 3 99		
270.	Has your household changed the timing of growing rice?	1. planting earlier 2. planting later 3. No change 99. DK	1 2 3 99		
271.	Has your household changed any crop variety because of damaging flood? (from one type to another, or one crop to another crop).	1. yes 2. no	1 2		
272.	Has your household changed any crop variety because of drought?	1. yes 2. no	1 2		

**EARLY WARNING AND PREPAREDNESS**

273.	Is there a way that your household can know if flood is coming?	1. yes 2. no	1 2	>q275	
274.	If yes, how reliable it is?	Radio SMS TV Radio speaker in the village or rural communities. Local knowledge Person-to-person Others, specify.....	( __ ) ( __ ) ( __ ) ( __ ) ( __ ) ( __ ) ( __ )		

275.	To prevent impacts from flood or drought, what would your household do? (preparedness/expectation). Three options	1. Shelter and sanitation 2. Food storage including drink 3. Transportation and communication 4. Support or intervention (including health, outside support) 5. No preparation 99. Don't know	1 2 3 4 5 99		
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MANY THANKS FOR YOU KIND COOPERATION