		Questionnaire ID: Villag	ge TSP/BKK/KK Team	No
Dat Tim	e of interview: e initiated:			
II. I	Household identifi Household econon	ources and continuance		ish culture
I. I	Household identifica	ation		
1.1	Province	[] Satun	[01]	
1.2	District	[] Trang [] Thung wa [] Muang	[02]	
1.3	Subdistrict	[] Kantang [] Tung bu lang [] Tan yong po	[02]	
1.4	Village	[] Kantangtai[] Tung Sa Po[] Ba Kan Keuy[] Koh Khiam	[03] [01] [02] [03]	
1.5	House no.	/	/	
1.6	Name of respond	lent/	/	
Househ	old characteristics			
1.7	[] Traditional woo [] Basic concrete,	/brick structure [1] 2] 3]	
1.8	Location of house [] House built on [] House built over		1] 2]	
1.9	Household appliar all that apply.	nces. Does the household h	nave any of the following it	tems? Please record
	[] TV [] Radio [] Refrigerator [] Piped water [] Water tank [] Mobile phone [] Telephone [] Motorbike [] Car/truck [] Boat	[[[[[[01] 02] 03] 04] 05] 06] 07] 08] 09]	

Members of the household				
1.10 How many people are there in the hou	sehold? Male [] Female []			
1.11 Do any members of the household live away from the home? If yes, how many? []				
•	are in each of the following age categories?			
Under 10 years	[]			
10 to 16 years				
16 to 18 years				
26 to 40 years	[]			
26 to 40 years 41 to 60 years				
more than 60 years old				
more than 60 years old	[]			
1.13 How many adults (over 18 years old) l	nave:			
Secondary education				
College				
University				
1.14 Number of children (under 18) studyir	ig at:			
Secondary school				
College				
University	[] (Bachelors / Masters/ Doctoral)			
1.15 What activities do members of the hou				
II. Household economics				
READ: I would like to ask you some	questions about your nousehold.			

II.

2.1	i)	Do you have any li	vestock?
		[] Yes	(Add details to table)
		[] No	(Go to Q. 2.2)

- ii)
- How many animals do you have? Have you sold any animals during the last year? If yes, how many? How much money did you receive for the animals you sold? iii)
- iv)

Livestock	Number owned now (ii)	Number sold in last 12 months (iii)	Unit price (iv)
Buffalo			
Cows			
Goats			
Ducks			
Chickens			

2.2	Do you	ı own or rent any land?
		[] Yes
		[] No (Go to Q. 2.3)
	i)	What is the area of the land that you own/rent (or number of trees if applicable)?
	ii)	If the land is rented, what is the cost of rental?
	iii)	If you sold the land you own, how much could you well it for?
	iv)	What was the income from this land since August 2000?

Land use	Land area owned/ trees owned	Cost of land rental (if applicable)	Value of land if sold now	Income from product of land per year
Land for housing				Not applicable
Rubber plantation				
Coconut trees				
Banana plantation				
Shrimp ponds				
Fish ponds				
Rice fields				
Neepa plantation				
Orchard/vegetable garden				
Land not in use				

- 2.3 Sources of household income. For each activity, ask:
 - i) How many days per month can this work be done?
 - ii) What is the average income from this source per day?
 - iii) How many months in the year can the household receive an income from this source?

Source of income	Days per month (i)	Income/wage per day (ii)	Months per year (iii)	Total earnings (leave blank)
Small scale fishery				
Labour				
Shop trading				
Factory work				
Fish processing (outside factory)*				
Food shop				
Tourism				
Charcoal production				
Remittances (money sent home from family members)				
Outgoing remittances				

• Includes: Drying shrimp; Making shrimp paste; Salting fish; Shelling crabs

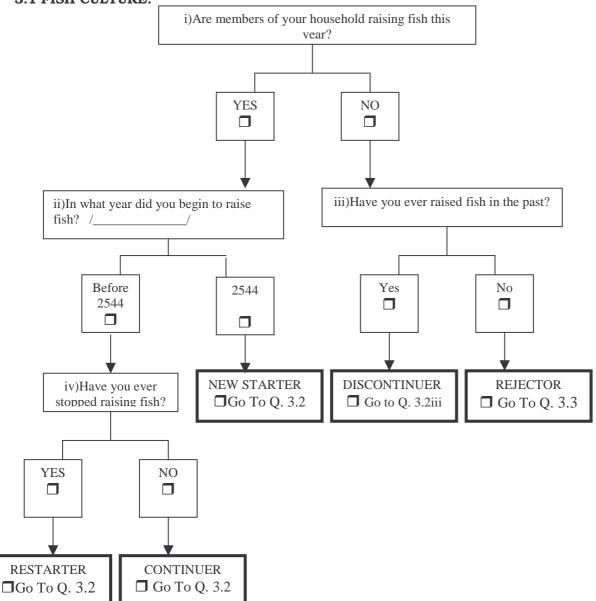
- $2.4\,\mathrm{Does}$ respondent have ponds or cages for aquaculture? If yes, complete the following. If no, go to Q 2.5.
 - i) What is your average expenditure for aquaculture?

 B per month
 B per year
 ii) What is your average income from aquaculture?
 B per month
 B per wear
- 2.5 Please list relative importance of income generating activities to the household. Number 1 is most important, 5 least important.
 - 1. _____ Code []
 2. ____ Code []
 3. ____ Code []
 4. ____ Code []
 5. ____ Code []

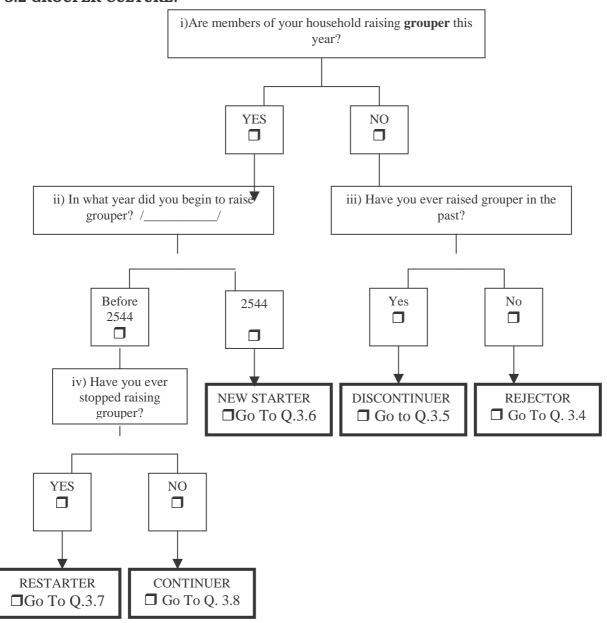
III. Fish culture

NOTE: Here, 'fish' refers to all types of aquatic animal. Please follow the flow chart to identify the respondent category.

3.1 FISH CULTURE:



3.2 GROUPER CULTURE:



- 3.3 Fish culture **rejector**:
- i) Why do you choose not to raise fish?

```
Answer: 1.

2.

3.

Code: 1 [ ]2 [ ]3 [ ]
```

- ii) Would you like to raise fish?
 - [] Yes [01] [] No [02]
- iii) Would you like to raise grouper?

[] Yes [01] [] No [02]

Now go to Q. 4.1

3.4 Grouper culture **rejector**:

Why do you choose not to raise grouper?

```
Answer: 1.

2.

3.

Code: 1 [ ]2 [ ]3 [ ]
```

Now go to Q. 3.8

3.5 Grouper culture **discontinuer**:

Why have you stopped raising grouper?

```
Answer: 1.

2.

3.

Code: 1 [ ]2 [ ]3 [ ]
```

Now go to Q.3.21

3.60	Grouper	culture	new	starter
------	---------	---------	-----	---------

Why have you begun to raise grouper for the first time this year?

Answer: 1.	
2.	
3.	
	Code: 1 []2 []3 []

Now go to Q.3.8

3.7 Grouper culture restarter:

i)Why did you stop raising grouper?

```
Answer: 1.

2.

3.

Code: 1 [ ]2 [ ]3 [ ]
```

ii) Why did you begin again this year?

```
Answer: 1.

2.

3.

Code: 1 [ ]2 [ ]3 [ ]
```

Now go to Q. 3.8

Fish culture practice and management:

To new member, continuer, restarter:

3.8 What type of aquatic animal do you raise now?

[] Seabass	[01]
[] Grouper	[02]
[] Mudcrab	[03]
[] Other	[04]

3.9 What type of fish/animal did you raise when you began aquaculture?

l	J Seabass	[01]
[] Grouper	[02]
[] Mudcrab	[03]
[] Other	[04]

3.10 What type of system do you have?

J 1	-	•	
[] cage		[01]
[] pond		[02]

3.11	How many units do you have? Cages [] Ponds [] // Rai
	(If respondent does not raise grouper now, go to Q. 4.1)
3.12	What is your main source of grouper seed? [] own catch [01] [] middleman in village [02] [] middleman outside village [03] [] fishermen in village [04] [] Small scale fishing port [05] [] commercial fishing port [06] [] Local village (Code: []) Village code box Q.3.12 & Q.3.17: Korn Klarn 11 Ma Haang 12 Chebilung 13 Chelung 14 Haad Sa Yao 15
3.13	What size of grouper do you mostly stock? (Tick only one) [] 2 to 3 inches
3.14	How often do you harvest grouper? [] The whole stock is harvested at one time [] Fish are harvested regularly few fish at a time, when they reach market size [[02]
3.15	At what size do you usually harvest grouper? [] 8 to 9 inches [01] [] kilo fish [02] [] about 1-1.3kg [03]
3.16	How many grouper did you harvest in the last 12 months?
3.17	What was the approximate value per fish?B
3.17	Where do you usually get feed for grouper? [] own catch [01] [] middleman in village [02] [] middleman outside village [03] [] fishermen in village [04] [] small scale fishing port [05] [] commercial fishing port [06] [] Local village (Code: [])
3.18	If feed from small scale port, do you know what type of gear is used to catch trash fish? [] pong pang [] bpo [] auan [] don't know

3.19	Do you exper	rience any problems w	ith grouper cul	ture?			
	Answer: 1.						
	2.						
	3.						
					Code: 1 []2 []3 []
3.20	[]D []D []C []B	ou obtain finance for f DOF Department of Commu Dwn finance Community credit asso Bank loan (give name of Middleman	nity Developme	nt	[01] [02] [03] [04] [05] [06]		
Source	e of loan	Amount (Baht)	Purpose		Interest rate	Rep	oaid Y/N
3.25	[] V [] S [] N [] V [] D	that, in general, grou fery successful fouccessful fot successful fery unsuccessful fon't know fo answer	iper culture in (tins viii	[01] [02] [03] [04] [96] [99]	ui ?	
Disc	ontinuer:						
3.21	What type of [] Seabass [] Grouper [] Mudcrab [] Other	fish/animal did you ı	raise when you [01] [02] [03] [04]	began a	aquaculture?		
3.22	What type of [] ca [] p		? [01] [02]				
3.23	How many u Cages Ponds		_/ Rai				
	(If respond	dent did not raise	e grouper no	w, go	to Q. 4.1)		
3.24	[] o [] n [] fi [] S [] c	our main source of grown catch niddleman in village niddleman outside villa shermen in village mall scale fishing port ommercial fishing port ocal village	[01] [02] age [03] [04] t [05]		Village code box Q.3.29: Korn Klarn Ma Haang Chebilung Chelung Haad Sa Yao	Q.3.24 & 11 12 13 14 15	

3.25	[]2 []4 []6 []8 []10	grouper did you usual to 3 inches to 5 inches to 7 inches to 9 inches 00-200g ilo fish (> 200g) ny size available	lly stock? [01] [02] [03] [04] [05] [06] [07]		
3.26	[] Tl	d you harvest grouper he whole stock is harv ish are harvested regu when the fish reach	rested at one time llarly, a few fish at a t	[01] ime, [02]	
3.27	[] 8 [] ki	did you usually harve to 9 inches ilo fish oout 1-1.3kg	st grouper? [01] [02] [03]		
3.28	[] ov [] m [] fis [] sr [] co	ou usually get feed for wn catch hiddleman in village hiddleman outside villa shermen in village mall scale fishing port ocal village	[01] [02] age [03] [04] [05]		
3.29	[]D []O []C []B	ou obtain finance for fioF oF epartment of Commun wn finance ommunity credit asso ank loan (give name o liddleman	nity Development	[01] [02] [03] [04] [05] [06]	
Source	e of loan	Amount (Baht)	Purpose	Interest rate	Repaid Y/N
3.30	Do you/did y Answer: 1. 2. 3.	ou experience any pro	oblems with grouper o	eulture?	
3.31	[] Vo [] Si [] No [] Vo	that, in general, grou ery successful uccessful ot successful ery unsuccessful	per culture in this vil	[01] [02] [03] [04]	3 []
		on't know o answer		[96] [99]	

IV. Fishing activity. (If noone in household is fishermen, go to Q. 5.1)

READ: Now I'd like to ask a few questions about fishing activities.

4.1 Wh	at type of gear	r do fishers in t	his hous	ehold use?					
	[] Sai bplaa [] sai bpoo/ [] Sai meuk [] Bedt [] Bet raw [] Pong pan [] Sa-win [] Bpo [] Dtor dtair [] Auan loi	bpoo ma	[04] [[05] [[06] [[07] [[08] [[09] [Auan lom Auan larl Auan roo Auan bpl Auan bpl Auan Bpl Auan bpl Auan bpl Auan bpc	x n aa too aa sai aa kapoo aa ca bo aa ca tal	k	[11] [12] [13] [14] [15] [16] [17] [18] [19] [20]		
	es anyone in t [] Yes [] No	he household fi If yes, how ma (Go to Q.4.5)	_	- •	[01] [02]				
4.3 Wh	at type of gear [] Sai bplaa [] Bet [] Other	r do they use to	o fish for g	grouper fry?		[01] [02] [03]			
		ouper fry for sto in cages/ponds and selling		eir own fish (cages, or	for sell: [01] [02] [03]	ing?		
	es anyone in t [] Yes [] No	he household to	arget larg	e grouper or	dork ma	aak? [01] [02]			
	at type of gear [] Sai bplaa [] Bet [] Other	r do they use to	target la	rge grouper?	•	[01] [02] [03]			
4.7 Did	anyone in the	e household fis	h for larg	e grouper in	the past	:? [01] [02]			
4.8 If a	of the control of the	for large group sh to catch ernative employ ouper fry instea in cages instea of dead groupe sh in cages is b	rment ad d er, live gro			ed, why [01] [02] [03] [04] [05] [06]	did they stop	?	
fry, bu	t DO NOT rai	ne following quese grouper: gree with the fo			of respo	ondents	household fis	sh for g	grouper
i) If we	could not fish	for grouper fry	, we woul	ld not be abl	e to find	an alte	rnative occupa	ıtion	[A] [D]
iv) Thei	re are other ac	ctivities we can	do to ear	n an income	if we can	nnot fin	d grouper fry		[A] [D]

Please answer the follo	owing questions	if members	of the respo	ndents housel	old fish for	grouper
fry AND raise grouper:						

Do you agree or disagree with the following statements?

- iii) If we could not catch our own fry to stock our cages we would not be able to raise grouper [A] [D]
- iv) If we cannot find fry in the sea, we can afford to buy grouper fry for culture from another source [A] [D]

Please answer the following questions if members of the respondents household raise grouper: Do you agree or disagree with the following statements?

v) If grouper culture is not successful it will have a big impact on the household

[A] [D]

V. Structural social capital

READ: I would like to ask you about organisations in the village.

4.1 Are you or is someone in your household a member of any groups, organisations or associations in the community? (*select for village*)

Koh Khiam: [] Community development group to support poor [] Saving money group [] Womens group [] Cage culture group	people [01] [02] [03] [04]
Ba Kan Keuy: [] Fish culture group [] Thai sea development group [] Poverty relief group [] Womens development group	[05] [06] [07] [08]
Tung Sa Pho:	[09] [10] [11]
Not members of any group (Go to Q. 5.4)	[12]
5.2 When there is a decision to be made in the group, how does this v	isually come about?
1)Group	
[] The leader decides and informs the other [01] group members.	
[2] The leader asks group members what [02]	
they think then decides. [3] The group members hold a discussion and decide together. [03]	
[4] Other [96]	
[5] Don't know [97]	
[6] Not applicable [98]	
2) Group	
[1] The leader decides and informs the other [01]	

[02]

[03]

group members.

[2] The leader asks group members what

[3] The group members hold a discussion and

they think then decides.

	decide together. [4] Other [5] Don't know [6] Not applicable		[96] [97] [98]
3)Gro	up		
	 [1] The leader decides and informs the other group members. [2] The leader asks group members what they think then decides. [3] The group members hold a discussion a decide together. [4] Other [5] Don't know [6] Not applicable 		[01] [02] [03] [96] [97] [98]
5.3	Do you think you or your household has be	enefited in any	way by membership of these groups?
	[] Yes [] No [] Don't know/not sure [] Not applicable	[01] [02] [03] [04]	
	2)Group		
	[] Yes[] No[] Don't know/not sure[] Not applicable	[01] [02] [03] [04]	
	3)Group		
	[] Yes[] No[] Don't know/not sure[] Not applicable	[01] [02] [03] [04]	
Netwo	orks and mutual support organisations		
READ:	Now I am going to ask some questions about your vil	lage.	
5.4 deal wi	If there was a problem that affected the entire villag th the situation?	e, for example a fl	ood, who do you think would work together to
	 [] Each person/household would deal with the prof. [] Neighbours among themselves [] Local government [] All community leaders acting together [] The entire village/neighbourhood [] Other (describe): [] Don't know [] No answer 	olem individually	[01] [02] [03] [04] [05] [06] [07] [08]

Exclusion

5.5 There are often differences that exist between people living in the same village/ neighbourhood. To what extent do differences such as the following tend to divide people in your village?

Differences in education	Not at all [1]	A little [2]	Very much [3]
Differences in wealth/material possessions	[1]	[2]	[3]
Differences in land ownership	[1]	[2]	[3]
Differences in social status	[1]	[2]	[3]
Differences between men and women	[1]	[2]	[3]
Differences between younger and older generations	[1]	[2]	[3]
Differences between old inhabitants and new settlers	[1]	[2]	[3]
Differences in political party affiliations	[1]	[2]	[3]
Differences in religious beliefs	[1]	[2]	[3]
Other differences	[1]	[2]	[3]

5.6 Do these differences cause problems? If so, how are these problems generally dealt with? (*Record first two mentioned.*)

[There are no differences (Q3.12 all coded "1")	[00]
[] Differences do not cause problems	[01]
[] People work it out between themselves	[02]
[] Family/household members intervene	[03]
[] Neighbours intervene	[04]
[] Community leaders mediate	[05]
[] Religious leaders mediate	[06]
[] Violence	[07]
[] Other	[96]
[] Don't know/not sure	[97]
[] No answer	[99]

5.7 In your view, are there members of your village/neighbourhood who are excluded from any of the following services/activities?

[] Education/school	[01]
[] Health services	[02]
[] Fish culture	[03]
[] Land ownership	[04]
Credit/finance	[05]
Membership of community groups	[06]

5.8 What do you think are the main reasons that not all people benefit from these services? (record first three mentioned.)

[] Income level	[01]
[] Occupation	[02]
[] Social status	[03]
[] Age	[04]
[] Gender	[05]
[] Religious beliefs	[06]

 [] Family relations [] Lack of education [] Not everyone needs these services/resources [] Lack of information that service exists [] Other	[07] [08] [09] [10] [96] [97] [99]							
Collective action								
5.9 How often in the past year have you joined toge common issue?								
[] Never[] Once[] A couple of times[] Frequently[] Don't know/not sure[] No answer	[01] [02] [03] [04] [97] [99]							
Conflict resolution								
5.10 In your opinion, is this village generally peaceful	ul or conflictive?							
[] Peaceful[] Conflictive[] Don't know/not sure[] No answer	[01] [02] [97] [99]							
5.11 Do people in this village contribute time or mor	ney towards development of the village?							
[] They contribute some or a lot[] They contribute very little or nothing[] Don't know/not sure[] No answer	[01] [02] [97] [99]							
5.12 Are relationships among people in the village ge	enerally harmonious or disagreeable?							
[] Harmonious[] Disagreeable[] Don't know/ not sure[] No answer	[01] [02] [97] [99]							
5.13 Compared with other villages, are relationships among people in this village the same or less harmonious than other villages?								
[] More harmonious[] The same[] Less harmonious[] Don't know/ not sure[] No answer	[01] [02] [03] [97] [99]							

VI. Cognitive social capital

Solidarity

6.1 Suppose your neighbour suffered an economic loss, say all their fish were lost because of disease, In that situation who do you think would assist him/her financially? (Record first three mentioned).

	 No one would help Family Neighbours Friends Religious leaders or group Community leader Business person Mutual support group to which s/he belongs Assistance from organisation to which s/he does not belong Assistance from an individual or agency outside the village Assistance from the bank Other Don't know/not sure No answer 	[01] [02] [03] [04] [05] [06] [07] [08] [09] [10] [11] [96] [97]			
Trust					
6.2	Do you think that in this village people generally trust one another in matters of lending and borrowing?				
	[] Do trust [] Do not trust [] Don't know/ not sure [] No answer	[01] [02] [97] [99]			
	you think that over the last few years the level of trust in the villame, or decreased?	ge has increased, stayed the			
	[] Better[] The same[] Worse[] Don't know/ not sure[] No answer	[01] [02] [03] [97] [99]			
	ppose someone from the village had to go away for a while with the ey leave their fish cages/ponds for example?	eir family. In whose charge could			
	 Other family member Neighbour Anyone from the village Employ labour No one Other Don't know/ not sure No answer 	[01] [02] [03] [04] [05] [96] [97] [99]			
	ppose a friend of yours in the village had the following alternatives nk they would prefer most?	s to choose from, which do you			
	 Own fish cages/pond entirely by themselves Own fish cages/ponds jointly with one other person Own fish cages / ponds as part of a group Don't know/ not sure No answer 	[01] [02] [03] [97] [99]			
6.6 Do	you think trust is important for the success of grouper culture?				
	[] Yes [] No [] Don't know [] No answer	[01] [02] [97] [99]			

Reciprocity and cooperation

6.7 Please tell me whether in general you agree or disagree with the following statements:

	Strongly Agree	Agree	Disagree	Strongly disagree
[a] Most people in this village are basically honest and can be trusted	[1]	[2]	[3]	[4]
[b] People are always interested only in their own welfare	[1]	[2]	[3]	[4]
[c] Members of this village are always more trustworthy than others	[1]	[2]	[3]	[4]
[d] In this village you have to be alert or someone will take advantage of you	[1]	[2]	[3]	[4]
[e] If I have a problem there is always someone to help me	[1]	[2]	[3]	[4]
[f] I do not pay attention to the opinions of other in the village	[1]	[2]	[3]	[4]
[g] Most people in this village are willing to help if you need it	[1]	[2]	[3]	[4]
[h] This village has improved over the last 5 years	[1]	[2]	[3]	[4]
[I] I feel like an accepted part of this community	[1]	[2]	[3]	[4]