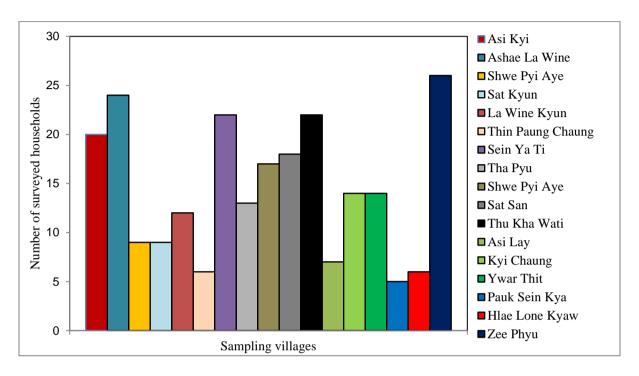
Integrating local perspectives into conservation to facilitate human-crocodile coexistence in the Ayeyarwady Delta, Myanmar

KAY ZIN THAN, ZAW ZAW and ALICE CATHERINE HUGHES



SUPPLEMENTARY FIG. 1 Number of respondents in each of the surveyed villages.

Questionnaire Form

Date	e of survey:						
Inter	viewer name:						
(Note: This English questionnaire form is translated into the Burmese language for the ease of							
cona	lucting interviews)						
1.	Name						
2.	Age						
3.	Education level.						
4.	Livelihoods						
5.	Gender						
<u>Kno</u>	wledge about the surrounding environment						
6.	Have you ever noticed that the mangrove areas near your village are decreasing?						
	(a) Yes (b) No (c) Don't know						
7.	If yes, what are the factors contributing to the decrease of mangrove forests?						
Pote	ntial correct answers are given. If the respondents give the answers below, just tick the						
answ	vers. If the respondents give the answer which is not included in the list, tick the (other)						
optio	on and please write down the answers in the space provided.						
	(a) Exploitation of wood						
	(b) Subsistence use						
	(c) Illegal extraction for business						
	(d) Clearance for agriculture extension						
	(e) Natural disasters (Typhoon)						
	(f) Others						
	(g) Don't know						
••••							
••••							
8.	Do you think that the mangrove forests are important for local people?						
	(a) Yes (b) No (c) Don't know						
9.	If yes, why mangrove forests are important for local people? (Benefits of mangroves						
for l	ocal people)						

Poter	ntial correct answers are given. If the respondents give the answers below, just tick the
answ	ers. If the respondents give the answer which is not included in the list, tick the (other)
optio	on and please write down the answers in the space provided.
	(a) Small- scale business from extraction of non-timber forest products
	(b) Subsistence use
	(c) Protection of natural disaster
	(d) Others benefits
	(e) Don't know
10.	Do you think the mangrove areas are also important for wildlife?
	(a) Yes (b) No (c) Don't know
11.	If yes, why mangrove forests are important for wildlife? (Benefits of mangroves for
wildl	ife)
Poter	ntial correct answers are given. If the respondents give the answers below, just tick the
answ	ers. If the respondents give the answer which is not included in the list, tick the (other)
optio	on and please write down the answers in the space provided.
	(a) Provide shelter
	(b) Provide food
	(c) Provide breeding ground
	(d) Others
	(e) Don't know
12.	Do you think the mangrove forests should be conserved?
	(a) Yes (b) No (c) Don't know
Knov	wledge about saltwater crocodiles and their habitats

- 13. Have you ever seen the crocodiles in this area?
 - (a) Yes (b) No (c) Don't know
- If yes, how many times and where you have ever seen crocodiles? 14.

15.	Have you ever seen the crocodile nests in this area?
	(a) Yes (b) No (c) Don't know
16.	Do you think that the population of crocodiles are decreasing?
	(a) Yes (b) No (c) Don't know
17.	Do you think the mangrove forests are important for the crocodiles?
	(a) Yes (b) No (c) Don't know
18.	If yes, why? (Benefits of mangrove for crocodiles)
Potent	tial correct answers are given. If the respondents give the answers below, just tick the
answe	ers. If the respondents give the answer which is not included in the list, tick the (other)
option	and please write down the answers in the space provided.
	(a) Provide shelter
	(b) Provide food
	(c) Provide breeding ground
	(d) Others
	(e) Don't know
• • • • • • •	
19.	How do you think why Meinmahlakyun wildlife sanctuary was established for?
Potent	tial correct answers are given. If the respondents give the answers below, just tick the
answe	ers. If the respondents give the answer which is not included in the list, tick the (other)
option	and please write down the answers in the space provided.
	(a) Protect and conserve the trees
	(b) Protect and conserve the animals
	(c) Protect both trees and animals
	(d) Others
	(e) Don't know
• • • • • • • • • • • • • • • • • • • •	

	<u>vleage about threats to crocodiles</u>
20.	Do you think the existence of the crocodile is highly threatened by hunting in this area
	(a) Yes (b) No (c) Don't know
21.	If hunting is not the main threat, are there any other threats to crocodiles?
	(a) Yes (b) No (c) Don't know
22.	Do you think crocodile poaching might happen in the future?
	(a) Yes (b) No (c) Don't know
23.	And why?
• • • • • •	
• • • • • •	
Awaı	reness about Human-Crocodiles conflicts
24.	How many times have you ever heard about crocodile attacks on people?
• • • • • •	
• • • • • •	
• • • • • •	
	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles?
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? Itial correct answers are given. If the respondents give the answers below, just tick the
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? Itial correct answers are given. If the respondents give the answers below, just tick the ers. If the respondents give the answer which is not included in the list, tick the (other
Perce 25. conse	Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? It is correct answers are given. If the respondents give the answers below, just tick the ers. If the respondents give the answer which is not included in the list, tick the (other n and please write down the answers in the space provided.
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? Itial correct answers are given. If the respondents give the answers below, just tick the ers. If the respondents give the answer which is not included in the list, tick the (other n and please write down the answers in the space provided. (a) No benefits
Perce 25. conse	peptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? Itial correct answers are given. If the respondents give the answers below, just tick the ers. If the respondents give the answer which is not included in the list, tick the (other n and please write down the answers in the space provided. (a) No benefits (b) Only get disadvantages
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? It all correct answers are given. If the respondents give the answers below, just tick the ers. If the respondents give the answer which is not included in the list, tick the (other n and please write down the answers in the space provided. (a) No benefits (b) Only get disadvantages (c) Environmental benefits
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? Itial correct answers are given. If the respondents give the answers below, just tick the ers. If the respondents give the answer which is not included in the list, tick the (other and please write down the answers in the space provided. (a) No benefits (b) Only get disadvantages (c) Environmental benefits (d) Non-financial benefits
Perce 25. conse	eptions on benefits from conservation of saltwater crocodiles in Meinmahlakyun Do you think what kinds of benefits are received by the local people from the ervation program of saltwater crocodiles? It also correct answers are given. If the respondents give the answers below, just tick the ers. If the respondents give the answer which is not included in the list, tick the (other in and please write down the answers in the space provided. (a) No benefits (b) Only get disadvantages (c) Environmental benefits (d) Non-financial benefits (e) Financial benefits

Percei	otions on	the imi	nacts o	f saltwater	crocodiles'	conservation

26.	Do you think the conservation of saltwater crocodiles in the Meinmahlakyun wildlife
sanctu	ary impacted local people?
Potent	ial correct answers are given. If the respondents give the answers below, just tick the
answe	rs. If the respondents give the answer which is not included in the list, tick the (other)
option	and please write down the answers in the space provided.
	(a) No impact
	(b) Emotional impact
	(c) Financial impact
	(d) Physical impact
	(e) Other impacts
<u>Attitu</u>	des on the conservation of saltwater crocodiles
27.	Do you think saltwater crocodile should be conserved and protected in Ayeyarwady
delta?	
	(a) Yes (b) No (c) Don't know
Sugge	estions for co-existence
28.	What kinds of interventions or activities should be taken to get co-existence between
	people and saltwater crocodiles in Ayeyarwady delta? And, why do you suggest that
interve	ention?

SUPPLEMENTARY TABLE 1 Questions and response types of the 11 variables: environmental knowledge, knowledge about saltwater crocodiles, perceptions of threats to saltwater crocodiles, human-crocodile conflict awareness, perceptions of impacts and benefits of saltwater crocodiles, conservation attitudes of local people, age, education, gender and livelihoods

Sr.	Variables	Questions	Responses
1.	ENVA (Knowledge	1.1 Have you ever noticed that the mangrove areas near your village are decreasing?	Yes/No/Don't know
	about the surrounding environment)	1.2 If yes, what are the factors contributing to the decrease of mangrove forests? (Factors decreasing mangroves)	Open
		1.3 Do you think that the mangrove forests are important for local people?	Yes/No/Don't know
		1.4 If yes, why mangrove forests are important for local people? (Benefits of mangroves for local people)	Open
		1.5 Do you think the mangrove areas are also important for wildlife?	Yes/No/ Don't know
		1.6 If yes, why mangrove forests are important for wildlife? (Benefits of mangroves for wildlife)	Open
		1.7 Do you think the mangrove forests should be conserved?	Yes/No/ Don't know
2.	CROCK (Knowledge	2.1 Have you ever seen the crocodile nests in this area?	Yes/No/ Don't know
	about saltwater	2.2 Have you ever seen the crocodiles in this area?	Yes/No/ Don't know
	crocodiles and their habitats)	2.3 Do you think that the population of crocodiles are decreasing?	Yes/No/ Don't know
		2.4 Do you think the mangrove forests are important for the crocodiles?	Yes/No/ Don't know
		2.5 If yes, why? (Benefits of mangrove for crocodiles)	Open
		2.6 How do you think why Meinmahlakyun wildlife sanctuary was established for? (intention for the establishment of Meinmahlakyun Sanctuary)	Open
3.	TP (Knowledge	3.1 Do you think the existence of the crocodile is highly threatened by hunting in this area?	Yes/No/ Don't know
	about threats to saltwater	3.2 If hunting is not the main threat, are there any other threats to crocodiles?	Yes/No/ Don't know
	crocodiles)	3.3 Do you think crocodile poaching might happen in the future (possibility of future hunting threats)?	Yes/No/ Don't know
4.	CFA (Awareness about Human- Crocodile Conflicts)	4.1 How many times have you ever heard about crocodile attacks on people?	Open
5.	PERB Benefit Perceptions	5.1 Do you think what kinds of benefits are received by the local people from the conservation program of saltwater crocodiles in Meinmahlakhyun	Open

6.	PERI (Impact Perceptions)	6.1 Do you think the conservation of saltwater crocodiles in Meinmahlakyun impacts on local people?	Open
7.	CA (Conservation Attitudes)	7.1 Do you think saltwater crocodile should be conserved and protected in Ayeyarwady delta?	Yes/No/ Don't know
8.	AGE	8.1 Age of the respondents	Open
9.	GEN	9.1 Gender of the respondents	Open
10. 11.	LIV EDU	10.1 Main livelihoods of the respondents11.1 Educational level of the respondents	Open Open

SUPPLEMENTARY TABLE 2 Weights of the questions under the 11 variables: environmental knowledge (ENVK), knowledge about saltwater crocodiles (CROCK), perceptions of threats to saltwater crocodiles (TP), human-crocodile conflict awareness (CFA), perceptions of impacts (PERI) and benefits (PERB) of saltwater crocodiles, conservation attitudes of local people (CA), age (AGE), education (EDU), gender (GEN) and livelihoods (LIV).

Variables	Questions	Weights
ENVK	Have you ever noticed that the mangrove areas near your village are decreasing?	0.14
	If yes, what are the factors contributing to the decrease of mangrove forests?	0.29
	Do you think that the mangrove forests are important for local people?	0.43
	If yes, why mangrove forests are important for local people?	0.57
	Do you think the mangrove areas are also important for wildlife?	0.72
	If yes, why mangrove forests are important for wildlife?	0.86
	Do you think the mangrove forests should be conserved?	1.00
CROCK	Have you ever seen the crocodile nests in this area?	0.17
	Have you ever seen the crocodiles in this area?	0.33
	Do you think that the population of crocodiles are decreasing?	0.50
	Do you think the mangrove forests are important for the crocodiles?	0.67
	If yes, why? (Benefits of mangrove for crocodiles)	0.83
	How do you think why Meinmahlakyun wildlife sanctuary was established for? (intention for the establishment of Meinmahlakyun Sanctuary)	1.00
TP	Do you think the existence of the crocodile is highly threatened by hunting in this area?	0.33
	If hunting is not the main threat, are there any other threats to crocodiles?	0.67
	Do you think crocodile poaching might happen in the future (possibility of future hunting threats)?	1.00
CFA	How many times have you ever heard about crocodile attacks on people?	1.00
PERBI	Do you think what kinds of benefits are received by the local people from the conservation program of saltwater crocodiles in Meinmahlakhyun?	1.00
CA	Do you think saltwater crocodile should be conserved and protected in Ayeyarwady delta?	1.00
Age	Age of the respondents	1.00
GEN	Gender of the respondents	1.00
LIV	Main livelihoods followed by the respondents	1.00
EDU	Educational level of the respondents	1.00

SUPPLEMENTARY TABLE 3 Respondents' demographic characterization.

Variables/ Factors	Answers Groups	Counts	Total (%)
Gender (GEN)	Female	64	26.2
	Male	180	73.8
$Age\ (AGE)$	$> 18 \le 20 \text{ yrs}$	8	3.3
	$> 20 \le 40 \text{ yrs}$	94	38.5
	$> 40 \le 60 \text{ yrs}$	112	45.9
	> 60 years	30	12.3
Education (EDU)	Primary (Grade 1 to Grade 4)	165	67.6
	Secondary (Grade 5 to Grade 8)	68	27.9
	High (Grade 9 to Grade 10)	11	4.5
Livelihoods (LIV)	Farm	66	27.0
	Livestock	3	1.2
	Fishery	56	23.3
	Seasonal jobs	100	41
	Business	11	4.5
	Others	8	3.3

SUPPLEMENTARY TABLE 4 Respondents' knowledge characterization.

Questions under the variables	Answers Groups	Counts	Total (%)
Environmental Knowledge (ENVK)			
Have you ever noticed that the mangrove areas near your village are decreasing?			
	Yes	230	94.3
	No	8	3.3
	Don't know	6	2.5
If yes, what are the factors contributing			
to the decrease of mangrove forests?			
(Factors Decreasing Mangroves)	Evaluitation of wood	70	22.4
	Exploitation of wood Subsistence use	79 46	32.4 18.9
	Business/illegal extraction	54	22.1
	Agricultural extension	25	10.2
	Natural disaster (typhoon)	12	4.9
	Others	9	3.7
	Don't know	19	7.8
Do you think that the mangrove forests are important for local people?			
1 1	Yes	240	98.4
	No	4	1.6
If yes, why mangrove forests are important for local people? (Benefits of mangroves for local people)			
	Small scale business	66	27.0
	Subsistence use	55	22.5
	Protection of natural disaster	94	38.5
	Other benefits	18	7.4
Do you think the mangrove areas are also important for wildlife?	Don't know	11	4.5
important for whethe.	Yes	235	96.3
	No	9	3.7
If yes, why mangrove forests are important for wildlife? (Benefits of mangroves for wildlife)			
	Provide shelter	78	32.0
	Provide food	13	5.3
	Provide breeding/ nesting sites	4	1.6
	Provide suitable habitats	120	49.2
	Others	5	2
Do you think the mangrove forests should be conserved?	Don't know	24	9.8
	No	7	2.9
	Yes	227	93.0
	Don't know	10	4.1
Knowledge about saltwater crocodiles (CR Have you ever seen the crocodiles in this	OCK)		
area?			
	Never	32	13.1

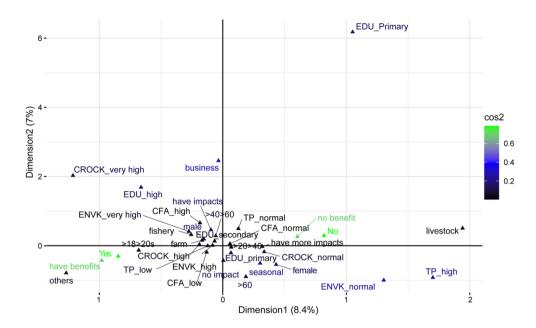
Lagations of collegeton one of the cight	Often Don't know	212 0	86.9 0
Locations of saltwater crocodile sight	Near villages Inside Meinmahlakyun Both places	40 145 42	16.4 59.4 17.2
	Don't know/ remember	17	7.0
Have you ever seen the crocodile nests in this area?	N.	100	71.6
	Never Often	182 42	74.6 25.4
	Don't know	0	25.4
Do you think that the population of	Don't know	O	U
crocodiles are decreasing?	Vac	0	3.7
	Yes No	9 213	87.3
	Don't know	22	9.0
Do you think the mangrove forests are important for the crocodiles?	Bon t know	22	7.0
important for the crocodiles.	Yes	207	84.8
	No	22	9.0
	Don't know	15	6.1
If yes, why? (Benefits of mangrove for crocodiles)			
	Provide shelter	31	12.7
	Provide food	14	5.7
	Provide breeding/ nesting sites	26	10.7
	Provide suitable habitats	113	46.3
	Others	1	0.4
	Don't know	59	24.2
How do you think why Meinmahlakyun wildlife sanctuary was established for? (intention for the establishment of Meinmahlakyun Sanctuary)			
	Protect and conserve mangroves	14	5.7
	Protect and conserve wildlife	16	6.6
	Protect both	19	7.8
	Others	9	3.7
W I I I (J. (TD)	Don't know	186	76.2
Knowledge about threats (TP) Do you think the existence of the crocodile is highly threatened by hunting in this area?			
	Yes	0	0
	No	237	97.1
If hunting is not the main threat,	Don't know	7	2.9
are there any other threats to crocodiles?			
	Yes	27	11.1
	No Don't know	211 6	86.5 2.5
Do you think crocodile poaching might happen in the future (possibility of future	Don t know	U	2.3

hunting threats)?	•
And why?	

, , .			
	Yes (with no reasons)	7	2.9
	No (because of the law	230	94.3
	prohibiting poaching to		
	saltwater crocodiles)		
	Don't know	7	2.9

SUPPLEMENTARY TABLE 5 Respondents' awareness and perception characterization.

Variables/ Factors	Answers Groups	Frequency	Total (%)
Conflicts Awareness (CFA)			_
How many times you have ever heard abou	t		
crocodile attacks on people?			
	Low (0)	68	27.9
	Normal (1 to 6)	171	70.1
	High (7 and above)	5	2
Benefit Perception (PERB)			
Do you think what kinds of benefits are			
received by the local people from the			
conservation program of saltwater crocodile	es		
in Meinmahlakyun			
	No Benefit	151	61.9
	Rare species	5	2.0
	Disadvantages	7	2.9
	Ecological values	26	10.7
	Others	55	22.5
Impact perception (PERI)			
Do you think the conservation of saltwater			
crocodiles in Meinmahlakyun impacts on			
local people?			
	No impact	110	45.1
	Emotional impact	98	40.2
	Financial impact	13	5.3
	Physical impact	15	5.5 6.1
	Others	8	3.3
	Onicis	0	3.3



SUPPLEMENTARY FIG. 2 Multiple correspondence analysis plot showing amount of contribution (squared correlation cos2 values) and discrimination of the 11 variables' levels on the two dimensions (Dim 1 and Dim 2), 11 variables: environmental knowledge (ENVK), knowledge about saltwater crocodiles (CROCK), perceptions of threats to saltwater crocodiles (TP), human-crocodile conflict awareness (CFA), perceptions of impacts (PERI) and benefits (PERB) of saltwater crocodiles, conservation attitudes of local people (CA), age (AGE), education (EDU), gender (GEN) and livelihoods (LIV).

SUPPLEMENTARY MATERIAL 2 Saturated model and simplified model with significant main and interaction characteristics.

Model 1:

ENVK*CROCK*TP*CFA*PERB*PERI*GEN*AGE*LIV*EDU(Saturated model)

Model 2: CROCK + CFA + TP + PERI + PERB + CROCK:CFA +

CROCK:PERI + PERI:PERB + GEN+ LIV + AGE+ GEN:AGE +

LIV:AGE (Simplified model with main and interaction effects)

SUPPLEMENTARY TABLE 6 Retained significant interaction and main variables: knowledge about saltwater crocodiles (CROCK), human-crocodile conflict awareness (CFA), perceptions of impacts of saltwater crocodiles (PERI), age (AGE), gender (GEN) and livelihoods (LIV), from the simplified model with residual deviance chi-squared p-values.

Variables	Resid. Dev	<i>Pr</i> (> Chi)
CROCK:CFA	150.11	0.03088 *
CROCK:PERI	150.15	0.03047 *
TP	149.20	0.007701 **
GEN:AGE	299.36	0.0003584 ***
LIV:AGE	304.49	0.005051 **

Significant codes: '***' 0.001, '**' 0.01, '*' 0.05, '.' 0.1

SUPPLEMENTARY TABLE 7 Binomial logistic regression with retained interaction and main variables' levels: knowledge about saltwater crocodiles (CROCK), human-crocodile conflict awareness (CFA), perceptions of impacts of saltwater crocodiles (PERI), age (AGE), gender (GEN) and livelihoods (LIV), on the conservation willingness.

Interaction or	Vari	Final binomial logistic model						
main variables		В	s.e	z value	p value	Exp (B)	p value	AIC
CROCK:CFA	CROCK_low	-15.57	1029.12	0.015	0.986	-15.57	0.988	339.1
	CROCK_normal	31.13	1782.49	0.017	0.986			
	CFA_low	15.92	1029.12	0.015	0.988			
	CFA_normal	16.02	1029.12	0.016	0.988			
	CROCK_Low: CFA_low	-16.21	1029.12	-0.016	0.987			
	CROCK_normal : CFA_low	-31.22	1782.49	-0.018	0.986			
	CROCK_low : CFA_normal	-17.46	1029.12	-0.017	0.986			
	CROCK_normal : CFA_normal	-31.67	1782.49	-0.018	0.986			
CROCK:PERI	CROCK_low	-1.505	0.737	-2.057	0.040*	0.118	0.732	334.8 6
	CROCK_normal	-0.081	0.437	-0.186	0.852			
	PERI_have more impacts	1.492	1.148	-1.734	0.194			
	PERI_no impacts	0.313	0.495	0.632	0.527			
	CROCK_low : PERI_have more impacts	-16.671	979.611	-0.017	0.986			
	CROCK_normal : PERI_have more impacts	-2.221	1.281	-1.734	0.083.			
	CROCK_low: PERI_no impacts	0.986	0.914	1.079	0.281			
	CROCK_normal: PERI_no impacts	-0.126	0.627	-0.201	0.840			
TP	TP_low	1.661	1.103	1.505	0.132	-1.609	0.142	335.6 5

	TP_normal	-13.957	727.7	-0.019	0.985			
GEN:AGE	GEN_female: AGE _(> $18 \le 20$ yrs)	-0.560	1.309	-0.427	0.669	-0.693	0.571	329.4 7
	GEN_male: AGE $(> 18 \le 20 \text{ yrs})$	0.843	1.249	0.675	0.500			
	GEN_female: $AGE_(> 40 \le 60)$ yrs)	0.526	1.291	0.407	0.684			
	GEN_male: AGE_(> $40 \le 60 \text{ yrs}$)	0.830	1.243	0.667	0.505			
	GEN_female: AGE _(> 60 yrs)	17.259	848.368	0.020	0.984			
	GEN_male: AGE _(> 60 yrs)	0.133	1.303	0.103	0.918			
	GEN_female: AGE _(> $18 \le 20$	2.079	1.658	1.254	0.210			
	yrs)							
LIV:AGE	LIV_fishery	-2.035	0.662	-3.070	0.002**	0.810	0.056	335.7 9
	LIV_livestock	-18.377	2284.102	-0.008	0.994			
	LIV_others	0.575	1.196	0.481	0.630			
	LIV_business	16.755	3956.180	0.004	0.996			
	LIV_seasonal jobs	-1.307	0.544	2.40	0.016 *			
				5				
	$AGE_{(>40 \le 60 \text{ yrs})}$	-0.875	0.556	-1.573	0.116			
	AGE _(> 60 yrs)	-1.034	0.794	-1.302	0.193			
	AGE _(> $18 \le 20 \text{ yrs}$)	0.091	0.974	0.093	0.926			
	LIV_fishery: AGE_(> $40 \le 60 \text{ yrs}$)	2.474	0.850	2.912	0.004**			
	LIV_others: AGE_(> $40 \le 60 \text{ yrs}$)	17.055	3956.18	0.004	0.997			
	LIV_seasonal jobs: $AGE_(> 40 \le$	-17.384	3956.18	-0.004	0.997			
	60 yrs)							
	LIV_seasonal jobs: AGE_(> 40 ≤ 60 yrs)	1.463	0.718	2.037	0.042 *			
	LIV_fishery: AGE _(> 60 yrs)	19.824	1978.09	0.010	0.992			
	LIV_others: AGE _(> 60 yrs)	17.214	2797.442	0.006	0.995			
	LIV_business: AGE _(> 60 yrs)	-34.098	5594.884	-0.006	0.995			

LIV_seasonal jobs: AGE _(> 60	1.243	1.018			0.222	
yrs)	10.000	2201102	1.220	0.000	0.002	
LIV_fishery: AGE $(> 18 \le 20)$	18.699	2284.102		0.008	0.993	
yrs)						

Significant codes: '***' 0.001, '**' 0.01, '*' 0.05, '.' 0.1