## **Examining livestock depredation and the determinants of people's attitudes towards snow leopards in the Himalayas of Nepal**

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SUPPLEMENTARY Muring February to	_	used for household su	urvey in Nyesyang valley	
Form no: Surv	eyor's Name:	Date:		
1 Respondent's Ch	aracteristics:			
Name:	Age Ge	ender Family si	ze Education	
Address	Occupation			
2. Livestock Holdi	ng			
Type of Livestock				
Number of Livesto	ock			
Number of Livesto	ock with Insurance			
3. If Snow Leopa following information		our livestock in the l	ast two years, please rec	call the
Year of Depredation	on:			
Place of Depredati	on: Homeshed/Corra	als of the pasture land/	Corrals outside the pastu	re land
Type and age of D	epredated Livestock:			
Time of Depredati	on (Morning/Day/Nig	ght):		
4. In which season	does Snow leopard k	ills more livestock?		
a. Summer	b. Winter	c. Spring	d. Autumn	
5. At what time of	the day does Snow L	eopard kills more live	stock?	
a. Morning	b. Day	c. Evening	d. Night	
6. Why do you thin	nk the Snow Leopard	kills the livestock?		
•	prey b. Livestock b eopard numbers e. D	eing easier to kill c. on't know	Unsupervised grazing	d.
7. What should be	done to reduce livesto	ock depredation by Sn	ow Leopard?	
	ast compensation b. C		c. Avoid grazing in depre	edation
8. Have you heard by someone in you	<u> </u>	or any other wildlife b b. No	eing killed, poisoned or t	rapped

	got any compensation ney have you received		epredation by Snow Leo e compensation?	pard? If yes,			
a. Yes Amount: Compensation Provider b. No							
10. Questions f	For examining attitude	towards snow leops	ard				
a. Would you li	ike to see snow leopar	rds in the rangeland	s of Nyesyang?				
i. Yes	ii. Unsure iii. No						
b. Should snow	leopards be protected	d inside or outside o	f Nyeshang?				
i. Both	ii. Inside	iii. Outside	iv. Don't know				
v. Nowhere							
c. If snow leopa	ards were to be conser	rved in Nyesyang, v	ould you support it?				
i. Yes	ii. Unsure	iii. No					
d. Should kids	be taught about snow	leopards at school?					
i. Yes	ii. Don't know	iii. No					
e. Do you think the conservation of snow leopards is beneficial for the environment of Nyesyang?							
i. Yes	ii. Don't know	iii, `	Yes and No	iv. No			
f. Where should snow leopards be protected?							
i. Rangeland vi. Nowhere	ii. Everywhere iii. O	nly in National park	s iv. Don't know	v. Zoo			
g. What should	be done when snow l	leopards kill your liv	vestock?				
i. They also nee	ed food Nothing ii. I	can bear it	iii. Can't do anything	ŗ			
iv. Chase it awa	ay	v, Kill it					

SUPPLEMENTARY TABLE 1 Top 10 model set of all sub-models derived using the dredge function. The top three model set of ordered logistic regression models were used in model-averaging to examine influence of socio-demographic factors on respondent attitudes towards snow leopards in Manang district Nepal during February-March 2018:

	Model	K	AICc	Delta AICc	AICc weight	log- Likelihood
1	GEN + EDU+ OCC + LBL + SBL +TLL	8	174.3	0.00	0.317	-78.38
2	GEN + EDU + OCC + LBL + TLL	7	175.3	1.25	0.170	-80.18
3	$\begin{array}{c} AGE + GEN + EDU + OCC + LBL \\ + SBL + TLL \end{array}$	9	175.9	1.65	0.139	-78.01
4	EDU + LBL + OCC + GEN	6	176.7	2.42	0.094	-81.92
5	AGE + EDU + LBL + OCC + GEN + TLL	8	177.0	2.77	0.080	-79.76
6	EDU + LBL + OCC + SBL + GEN	7	177.6	3.36	0.059	-81.23
7	AGE + EDU + LBL + OCC + GEN	7	177.9	3.67	0.051	-81.39
8	EDU + OCC + SBL + GEN + TLL	7	178.5	4.27	0.038	-81.67
9	AGE + EDU + LBL + OCC + SBL + GEN	8	179.0	4.73	0.030	-80.75
10	EDU + OCC + GEN + TLL	6	179.6	5.29	0.022	-83.352

## Note:

1. GEN, Man; OCC, Occupation-Non-agropastoralists; EDU, Education level - Literate; LBL, Large-bodied livestock stocking size; TLL, Total livestock loss; SBL, Small-bodied livestock stocking size; AGE, Age of respondent.

SUPPLEMENTARY TABLE 2 The average number of livestock per household and total livestock loss in the Nyesyang Valley, Manang, Nepal

	Goat	Sheep	Yak	Jhopa	Horse	Cow	Total	Total livestock loss	Total livestock loss (2017-
Village								(2016-17)	18)
Braka (9)	22.78	0.00	11.11	0	2.44	3.78	40.11	9	7
Ghyaru (16)	5.63	2.50	5.13	0	1.69	2.50	17.44	11	13
Khangsar (20)	0.00	0.00	9.65	.10	1.70	3.45	14.90	45	3
Manang (21)	27.95	1.71	28.05	0.00	2.52	1.57	61.81	36	39
Ngawal (11)	12.73	13.82	8.45	0.00	1.27	3.73	40.00	14	51
Pisang (8)	59.63	0.00	15.38	0.00	1.38	1.88	78.25	15	12
Tanki Manang (19)	2.37	0.00	13.74	0.00	1.26	1.79	19.16	15	9
Combined Average (104)	14.85	2.19	13.86	.02	1.78	2.56	35.25	145	134

Note: Number of households surveyed are shown in parenthesis