QUESTIONNAIRE - IVMP

The researcher(s) is /are from the University of Cape Coast, School of Biological Sciences, Department of Conservation Biology and Entomology who is conducting a research to determine the status of vulture population and threats facing them in Ghana. Please spare a few minutes of your valuable time to answer these questions on vultures as far as can. All responses would be treated as confidential and will be used strictly for the purpose of this project and nothing else. Thank you.		
Project Director	Date	
A. DEMOGRAPHY OF RESPONDENTS		
1. Personal Details of Respondents		
Name		
2. Age		
<20 years		
21 – 40 years		
41 – 60 years		
61 - 80 years		
> 80 years		
3. Gender		
Male		
Female		
4. Religion		
Christian		
Islam		
Traditional		
Others (Specify)		

5. Name of Community
6. How long have you lived in this community?
6. How long have you lived in this community?
1-5 years
11-15 years
16-20 years
>20 years
7. Place of birth
8. Hometown
9. Level of Formal Education
Primary
Secondary
Tertiary
None
10. Occupation
B. KNOWLEDGE OF VULTURES
D. MICHELES C. O. FOLIORES
11. Do you know what a vulture is?
Yes
No
12. Have you soon a wilture hefere?
12. Have you seen a vulture before? Yes
No

13. How do you call vultures in your community?	
14. What do you think of vultures?	
Dirty	
Evil	
Bad Omen	
Nuisance	
15. What do you know about vultures?	
They are scavengers (feed on dead animals)	
They have good sense of smell and sight	
They prevent spread of diseases	
Others (Specify)	
16. How did you get to know of vultures?	
Stories	
Church	
School	
Friends	
Traditionalist	
Personally see them in nature	
17. When was the last time you saw a vulture?	
≤ 4 week	
≤ 6 week	
<u>≤ 11 month</u>	
1 - 5 years	
5 - 10 years	
> 10 years	

18. How many of them did you see?	
1-5	
6 -10	
11 - 15	
16 - 20	
> 20	
19. Where did you see them?	
Slaughter House	
Landfill site	
Market	
Behind your house	
○ In flight	
On a tree	
Farm	
Community	
20. Which of the vultures do you know? Please tick as many as applicable. (Show each Pictures)	
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22. If yes, how are they i	mportant?		
Witchcraft			
Sign of bad omen			
Have spiritual powers			
Devil			
Others (Specify)			
23. Do vultures have any	cultural importance?		
Yes			
○ No			
24. If yes, what are they?	,		
Totem			
Strength			
Patience			
For sacrifice			
Others (Specify)			
25. Do you know any trib	e that has vultures as their tote	em in Ghana?	
Yes			
○ No			
26. If yes, name it.			
27. What does it mean to	this tribe?	ı	
D. IMPORTANCE OF VULTUR	RES		
28. Do you think vultures	are important?		
Yes			
No			

	Agree	Neutral	Disagree
Vultures dispose of human and animal waste			
Vultures prevent the spread of disease to humans			
Vultures reduce interactions and spread of disease between other scavengers			
Vultures serve as ecosystem indicators			
Vultures clean the environment			
Vultures are important source of protein			
. VEGETATION ASSOCIATION 0. Where do vultures that y Roof Trees	you see perch?		
O. Where do vultures that y Roof Trees Ground			
O. Where do vultures that y Roof Trees Ground Others (Specify)			
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33.	What type of trees do you normally see vulures perch?
\bigcirc	Ceiba (Onyina)
	Odum
	Coconut
	Ofram
	Others (Specify)
34	What is the size of the trees you normally see vultures roost?
O1.	1 - 20 cm DBh
	20 - 40 cm DBh
	40 - 60 cm DBh
	60 - 80 cm DBh
	80 - 100 cm DBh
	> 100cm DBh
35.	How tall is the tree?
	1 - 10 m
	10 - 30 m
\bigcirc	30 - 50 m
	50 - 70 m
	>70 m
F. BI	EHAVIOUR AND INTERACTIONS
36.	Have you seen a vulture feeding before?
	Yes
	No

37.	Where was it feeding?
	Landfill
	Dampsite
	Abbatoir
	Slaughter house
	Slaughter slab
	Road
	Others (Specify)
38.	What was it feeding on?
	Dead animal
	Pecking on remains
	Others (Specify)
39	Were there other animals or scavengers in the company of the vultures?
O	Yes
	No
40.	Which type of animals were they?
	Crows
	Yellow-billed Kites
	Egrets
	Feral dogs
	Human
	Sparrows
	Others (Specify)

41.	How were the other scavengers relating to each other and the vultures?
	Crows were chasing kites
	Kites were chasing crows
	Kites were chasing vultures
	Vultures were chasing kites
	Crows restricting vultures from feeding
	Vultures were restricting crows from feeding
	Crows were chasing vultures
	Others (Specify)
G. T	RADITIONAL MEDICINE
42.	Are you aware that vultures are being used in traditional medicine?
	Yes
	No
42	If you have did you got to know that?
43.	If yes, how did you get to know that? Through relatives
	Through friends
	Personal encounter
	Others (Specify)
	Others (Specify)
44.	Which part of the vulture is needed for traditional medicine?
	Head
	Feathers
	Legs
	Brain
	Eggs
	Others (Specify)

45.	Which type of vulture species is being used in traditional medicine?
	Hooded vulture (Necrosyrtes monachus)
	Palm-nut vulture (Gypohierax angolensis)
	Egyptian vulture (Neophron percnopterus)
	White-backed vulture (Gyps africanus)
	Rueppell's griffon (Gyps rueppellii)
	White-headed vulture (Trigonoceps occipitalis)
	What features do traditionalist use to identify the specific species of vulture(s) needed for medicinal poses?
	Colour of the vulture
	Flight mode
	Habitat
	Size
47.	Which type of disease(s) are they used to heal? Stroke Epilepsy Curse Hypertension Madness Barrenness
	cancer
	Others (specify)
48.	Are the outcomes of the healing process positive? Yes
	No
49.	Any side effect after use of vulture/vulture part in traditional medicine? Yes No

50.	If yes what was the effect on the victim?
	Death
	Madness
	Abnormality
	Others (Specify)
E 1	And welture monte used for other numbered expent modicine?
ο 1.	Are vulture parts used for other purposes except medicine?
	Yes
	No
52.	If yes what are they used for?
	Money rituals
	Incantation
	Food
	Others (Specify)
53.	Which tribe(s) in your area use vultures for traditional medicine?
	Akans
	Ewes
	Dagombas
	Daguwa
	Nigerians
	Togolese
\bigcirc	Others (Specify)
54.	Do you know any of these traditionalist involved personally?
	Yes
	No

55.	How long has the traditionalist been operating in this community?
	1-5 yrs
	6-10 yrs
	11-15 yrs
	16 - 20 yrs
	> 20 years
H. 1	THREATS TO VULTURES
56.	. Do you keep livestock at home?
	Yes
	No
57.	. If yes, what type of livestock do you keep at home?
	Fowl
	Sheep
	Goat
	Cattle
	Others (Specify)
58.	What are the common diseases that affect livestock in your community?
	Coccidiosis
	Foot and mouth disease
	Foot rot
	Ringworm
	Anthrax
	Pneumonia
	Others (Specify)
59.	. Do you send your livestock for veterinary attention?
	Yes
	No

60. If yes, what type of veterinary drugs do you use?
Chlormphenicol
Diclophenac
Fluconazole
Others (Specify)
61. If your livestock dies how do you dispose of it?
Bury
Dumpsite
Burn
Consume
Others (Specify)
62. Do you own a farm?
Yes
○ No
63. How do you get rid of pest (rats) on your farm?
Trap them
Poisoned baits
Others (specify)
64. Have you seen vultures feeding on dead animals since you started your pest control measures in the farm?
Yes
○ No
65. Have you seen a reduction in tree cover in your community?
Yes
○ No

66.	How much do you think tree cover has reduced?
	<u>≤</u> 10%
	≤ 20%
	≤ 30%
	≤ 50%
	≤ 80%
\bigcirc	≤ 100%
67.	What type of trees have you lost?
	Ceiba
	Odum
	Wawa
	Coconut
68.	What is accounting for the loss of trees?
	Deforestation
	Selective logging
	Construction of roads
	Construction of power lines
	Illegal logging
	Mining
\bigcirc	Farming
69.	Have you seen a dead vulture before?
	Yes
\bigcirc	No

70. If yes, where did you see it?
On the road
Electric pole
Farm
Permanent waterhole
Others
71. How many dead vultures did you see?
<u> </u>
6-10
> 10
72. Did you find any other dead animal apart from the vulture?
Yes
○ No
73. If yes, what other animal was it?
Feral dogs
Insects
Kites
Crows
Others (Specify)
I. TRADE AND TRAFFICKING OF VULTURES
74. Are you aware or heard someone selling vultures/vulture parts?
Yes
○ No
75. If yes, who is that person?
Friend
Trader
Hunter

76.	Where was the vulture/vulture part being sold?
	Main market
	Friends house
	Black market
\bigcirc	On demand
	Others(specify)
77	Have a second to the board and the board and the second to
//.	How easy can you get to buy a vulture/vulture part?
	Very easy
	Easy
	Difficult
	Very Difficult
	Any time on demand
78.	What is the average price of vulture part?
	1-5 GHC
	5-10 GHC
	10-50 GHC
\bigcirc	50-100 GHC
70	Have be another in the analysis of well-way well-way
79.	How lucrative is the sale of vulture/vulture parts?
	Very lucrative
	Neutral
	Not lucrative
J. P	OPULATION TREND (PAST AND CURRENT)
80.	In the past 10 years were you seeing alot of vultures?
	Yes
	No

Yes No 3. How would you compare the recent vulture population to that of the past? No Idea Very Low Low High Very High 5 years 10 years 10 years 11 years 12 If yes, what do you think is the cause? Tick as many as applicable. Habitat loss and removal of large trees Starvation Direct or indirect poisoning Vehicle Collision Persecution Hatred Improved slaughter house hygiene and waste diposal Others(Specify)						
> 50 vultures 32. Do you think the number of vultures has decreased within the past 5 years? Yes No No 33. How would you compare the recent vulture population to that of the past? No Idea Very Low Low High Very High 5 years 10 years > 10 years > 10 years > 10 years Direct or indirect poisoning Vehicle Collision Persecution Hatred Improved slaughter house hygiene and waste diposal Others(Specify)	10 vultures					
22. Do you think the number of vultures has decreased within the past 5 years? Yes No No No No lidea Very Low Low High Very High 5 years 10 years > 10 years > 10 years > 10 years Direct or indirect poisoning Vehicle Collision Persecution Hatred Improved slaughter house hygiene and waste diposal Others(Specify)	20 vultures					
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Yes No No No Idea Very Low Low High Very High S years 10 years > 10 years > 10 years Starvation Direct or indirect poisoning Vehicle Collision Persecution Hatred Improved slaughter house hygiene and waste diposal Others(Specify)					_	
83. How would you compare the recent vulture population to that of the past? No Idea Very Low Low High Very High 5 years 10 years > 10 years > 10 years No Idea Very Low Low High Very High 5 years Output		number of vultures	s has decreased w	ithin the past 5 y	ears?	
83. How would you compare the recent vulture population to that of the past? No Idea Very Low Low High Very High 5 years						
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> 10 years 84. If yes, what do you think is the cause? Tick as many as applicable. Habitat loss and removal of large trees Starvation Direct or indirect poisoning Vehicle Collision Persecution Hatred Improved slaughter house hygiene and waste diposal Others(Specify)	5 years					
84. If yes, what do you think is the cause? Tick as many as applicable. Habitat loss and removal of large trees Starvation Direct or indirect poisoning Vehicle Collision Persecution Hatred Improved slaughter house hygiene and waste diposal Others(Specify)	10 years					
Habitat loss and removal of large trees Starvation Direct or indirect poisoning Vehicle Collision Persecution Hatred Improved slaughter house hygiene and waste diposal Others(Specify)	> 10 years					
Others(Specify)	Habitat loss and rer		se? Tick as many a	s applicable.		
	Habitat loss and rer Starvation Direct or indirect po Vehicle Collision Persecution Hatred	moval of large trees		is applicable.		
4 CONSTRUCTION OUTLOCK FOR WILLTURFS	Habitat loss and rer Starvation Direct or indirect po Vehicle Collision Persecution Hatred Improved slaughter	moval of large trees isoning house hygiene and wa	ste diposal	is applicable.		
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35. Do you think vultures are important and need to be protected?	Habitat loss and rer Starvation Direct or indirect po Vehicle Collision Persecution Hatred Improved slaughter Others(Specify)	moval of large trees sisoning house hygiene and wa	ste diposal			
85. Do you think vultures are important and need to be protected? Yes	Habitat loss and rer Starvation Direct or indirect po Vehicle Collision Persecution Hatred Improved slaughter Others(Specify) K. CONSERVATION OU	moval of large trees sisoning house hygiene and wa	ste diposal			

	Agree	Neutral	Disagree
Education and creating public awareness among local people on issues concerning vultures			
Avoiding indiscriminate disposal of veterinary drugs			
Reduce speed when driving past vultures feeding on roads	0		
Stop indiscriminate felling of trees	\bigcirc	\bigcirc	
Participate in conservation education programmes	0		
We should conserve vultures for the future generation			
It is important to protect breeding sites of vultures	0		