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ANNEX

Household Questionnaire

1. Households characteristics

Age ____ Sex ____ Occupation ____ Years of schooling ____ Family size ____

2. Are you employed?

01 Yes 02 No

3. If yes how?

4. What is your source of income? _____

Income: 01 < 100
 02 100-200
 03 200-300
 04 400-500
 05 500-600
 06 >600

5. Which of the following resources do you harvest?

Resources	Yes	No
Reeds		
Grass		
Palm leaves		
Wild fruits		
Fuelwood		

A REEDS

A1. Which species of reeds do you harvest and how often do you harvest?

Species harvested	Where harvested	Frequency of harvesting	Comments
1.			
2.			
3.			

B2. What quantities do you harvest per day?

Species	Quantities harvested (bundles)	Comments
1.		
2.		
3.		

A3. Who harvests the reeds in this household?

01 Women 02 Men 03 children
 04 Other (specify) _____

A4. What equipment/ material do you use in the harvesting of reeds?

01 _____
 02 _____
 03 _____

A5. How long does it take you in hours or days to complete one harvest trip?

_____ hours

A6. How far away do you harvest?

A7. How do transport the harvested reeds to your home?

01 Own transport 02 Hired transport
 03 shared transport 04 Other (specify) _____

A8. If you use own transport, what means?

A9. If you use hired transport how much do you usually pay per load?

_____ Pula/ load

A10. Of the amount of reeds that you harvest, do you sell any?

01 Yes (>>A11) 02 No (>> A12)

A11. If yes, please complete the table below:

Reeds species	Where sold	Price	Quantity sold	When sold
1.				
2				
3				

A12. Other than selling, what do you use the reeds for?

- 01 Fence
- 02 House construction
- 03 Fish baskets
- 04 Fish wall traps
- 05 Fish spears
- 06 Fishing rods
- 07 Handicrafts

B. GRASS

B1 . Which species of grass do you harvest and how often do you harvest?

Species	Where harvested	Frequency of harvest	Comments
1.			
2.			
3.			

B2. What quantities do you harvest per day?

Species	Quantities harvested	Comments
1.		
2.		
3.		

B3. Who harvests the grass in this household?

01 Women 02 Men 03 Children
 04 Other (specify) _____

B4. What equipment do you use in the harvesting of grass?

01 _____
 02 _____
 03 _____

B5. How long does it take you in hours or days to complete one harvest trip?

B6. How far away do you harvest?

B7. How do you bring the harvested grass to your home?

01 use own transport 02 hired transport
 03 Shared transport 04 Other (specify) _____

B8. If you use own transport, what means?

B9. If you hire transport, how much do you usually pay per load?

_____ Pula/load

B10. Of the amount of grass that you harvest, do you sell any?

01 Yes (>>B11) 02 No (>>C12)

B11. If yes, please complete the table below:

Reeds species	Where sold	Price	Quantity sold	Date last sold
1.				
2				
3				

B12. Other than selling, what do you use the grass for?

01 thatching

02 weaving

03 Other (specify) _____

B13. How much of this is used in your own household?

C. PALM LEAVES

C1. Where do you harvest and how often do you harvest palm leaves?

Where harvested	Frequency of harvesting	Comments

C2. What quantities do you harvest per day?

Quantity harvested	Comments

C3. Who harvests palm leaves in this household?

01 Women 02Men 03 Children

04 Other (specify) _____

C4. How many hours or days does it take you to complete one harvest trip?

_____ hours

C5. How far away do you harvest?

C6. Of the amount that you harvest, do you sell any of them?

01 Yes (>>C7) 02 No

C7. If yes, please complete the table below:

Where sold	Price	Quantity sold	Date last sold

D. WILD FRUITS

D1. Which wild fruits do you harvest and what is the frequency of harvesting?

Species	Where harvested	Frequency of harvesting	Comments
1			
2			
3.			

D2. What quantities do you harvest per day?

Species	Quantities harvested	Comments
1		
2		
3		

D3. Who harvests the plants in this household?

01 Women 02 Men 03 Children
 04 Other _____

D4. How many hours or days does it take you to complete one harvest trip?

D5. How far do you harvest?

D6. Of the amount that you harvest, do you sell any?

01 Yes (>>next) 02 No (>>E12)

D7. If yes, please complete the table below:

Plant	Where sold	Price	Quantity sold	Date last sold
1.				
2				
3				

D11. Of the amount that you harvest do you use some at home?

01 Yes (>>next) 02 No (>>E14)

D12. How much is used at home?

E. MEDICINAL PLANTS

E1. Which species of medicinal plants do you harvest and how often do you harvest?

Species	Where harvested	Quantity sold	Comments
1			
2			
3			

E2. What quantities do you harvest per day?

Species	Quantities harvested	Comments
1		
2		
3		

E3. Who harvests the plants in this household?

01 Women 02 Men 03 Children

F4. What equipment do you use in the harvesting of medicinal plants?

01 _____

02 _____

03 _____

E5. How long does it take you in days or hours to complete one harvest trip?

E6. How far away do you harvest?

E7. Of the plants that you harvest, do you sell any?

01 Yes (>> E8) 02 No (>>E9)

E8. If yes, please complete the table below:

Plant	Where sold	Priced	Quantity sold	Date last sold
1.				
2				
3				

E9. Have you consulted a traditional doctor in the past three months?

01 Yes (>>E10) 02 No (>>E11)

E10. For what purposes did you consult doctor?

E11. Did he/she give you medicinal plants?

01 Yes (>>next) 02 No (>>F18)

E12. What plant medicine did he/she give?

E13. How much did you pay for consulting?

E14. How much did you pay for the medicine?

E15. How often do you see a traditional doctor in a month?

_____ times

F FUELWOOD

F1. Which species of fuelwood do you harvest and how often do you harvest/collect?

Species harvested	Where harvested	Frequency of harvesting	Comments
1			
2			
3			

F2. What quantities do you harvest/collect per day?

Species harvested	Quantities harvested	Comments
1		
2		
3		

F3. Who harvests/collects fuelwood in this household?

01 Women 02 Men 03 Children

04 other specify _____

F4. How is fuelwood harvested/collected?

01 Picking up dead wood

02 Cutting dead trees

03 Cutting live trees

04 Other (specify) _____

F5. What equipment do you use in the harvesting of fuelwood?

01 _____

02 _____

03 _____

F6. How long does it take you in hours or days to complete one harvest trip?

F7. How far away do you harvest?

F8. How do you bring the fuelwood to your home?

01 use own transport

02 shared transport

03 hire transport

04 other (specify) _____

F9. If you use own transport, what means?

F10. If you use hired transport, how much do you usually pay per load?

F11. Of the amount of fuelwood you harvest/collect, do you sell any?

01 Yes (>>F12) 02 No (>> F13)

F12 If yes, complete the following information:

Species	Where sold	Price	Quantity sold	When sold
1				
2				
3				

F13. Of the fuelwood that you harvest do you use some for cooking and heating?

01 Yes (>>F14) 02 No (>>H15)

F14. How much of a day's harvest is usually reserved for this purpose?

G. Preservation of the Okavango Delta.

1. Please keep in mind that the following question is a hypothetical experiment intended to provide an economic measure of how strongly you value the preservation of the Okavango delta.

Question: The Okavango River is increasingly being viewed as a source of water for development by the governments of Namibia, Botswana and Angola. In 1996 the Namibian government proposed to abstract about 17 million cubic metres of water annually from the Okavango River. Hydrological simulations indicate that as a result of water abstraction, the maximum loss of inundated area would be approximately 7.5 square kilometres. This loss is equivalent to 0.1% of the total inundated area of the delta. Assume that the Permanent Okavango River Basin Commission (OKACOM) wishes to establish an Okavango River Conservation fund (ORCOF) with the main aim of supporting activities that will help in conservation of the Delta. Assume also that the funds will be used in the best possible way you can think of. Would you be willing to contribute to this fund?

Would you be willing to contribute to such a fund?

01Yes 02No

2. If you would be willing to contribute, how much would you be willing to contribute as one time payment to such a fund? Pula _____

3. If you would not be willing to contribute to such a fund, please state the reason(s) for not being willing.

- 1 _____
- 2 _____
- 3 _____ -
- 4 _____

4. Thank you very much for your time Do you have any comments or questions in relation to what we were asking you?

Tourists Questionnaire

1. Background

Country traveling from _____ Nationality _____

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Sex: _____ Age _____ Family size _____ Profession _____

Years of schooling _____

2. Where are you currently a resident?

Place _____

Country _____

3. How long will you be (or have you been) away from home?

_____ days

4. Which other destinations in Botswana/elsewhere have you visited?

01 _____

02 _____

03 _____

5. What mode of transport did you use to come to the delta?

01 Air

02 Road

03 Other specify _____

6. Have you visited the delta before?

01 Yes

02 No

7. If yes, how many times during the past 10 years?

_____ times

8. What is/has been the purpose of your trip?

01 Wildlife viewing

02 Photographing

03 Hunting

04 Visiting historical sites

05 Sport and recreational fishing

06 Bird watching

07 Horseback safaris

08 Elephant back safaris

09 Other (Please specify) _____

9. How much of your time have you allocated to recreation related activities in the delta?

_____ days

10. In what accommodation are you staying?

- 01 Hotels 02 Game lodges 03 Hunting camps 04 campsites
05 Other specify _____

11. What is the total cost of your holiday? (Please specify the currency)

12. How much of these costs have you spent in visiting the delta in Botswana?

_____ Pula

13. Please indicate, if possible, a break-down of all your costs including park entry fees, vehicle fees and camping fees, and whether these were paid separately or as an accommodation package

Cost item

Cost (Pula)

- 1.
- 2.
- 3.
- 4.

14. Please approximate your annual income

_____ Currency _____

15. What is the most important aspect of the delta that you have valued most and why?

16. Do you consider your trip worth the money spent?

- 01 Yes (Q>>>18) 02 No (>>17)

17. If not, and assuming you were to return on the same trip, please suggest a value in relation to your present costs by which you think your costs should be reduced to induce you to return?

The present costs should be reduced by

- 01 10 % 02 20% 03 30% 04 40% 05 50% 06 >50%

18. If yes, please suggest a value in relation to the present cost level that you will consider high enough to have prevented you from coming.

I would not have come if the present costs level were higher by:

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01 10 % 02 20% 03 30% 04 40% 05 50% 06 >50%

19. How much of the Okavango delta do you think should be preserved?

01 all of it 02 half 03 only one quarter 04 none

20. Please keep in mind that the following question is a hypothetical experiment intended to provide an economic measure of how strongly you value the preservation of the Okavango delta.

Question: The Okavango delta is increasingly being viewed as a source of water for development by the governments of Namibia, Botswana and Angola. In 1996 the government of Namibia proposed to abstract 17 million cubic metres annually from the Okavango River. Hydrological simulations indicate that as a result of water abstraction, the maximum loss of inundated area would be approximately 7.5 square kilometres. This loss is equivalent to 0.1% of the total inundated area of the delta.

Assume that the Permanent Okavango River Basin Commission (OKACOM) wishes to establish an Okavango River Conservation Fund (ORCOF) with the aim of supporting activities that would help in the conservation of the Okavango Delta. Assume also that the funds will be used in the best possible way you can think of. Would you be willing to contribute to this fund?

01 Yes (>>next) 02 No (>>> Q23)

21. If yes, and given your annual income and other regular expenses, how much would you be willing to contribute as a one - time payment to this fund? : Pula _____ or any other currencies _____

22. If no, kindly indicate the reason(s) for not being willing to contribute?

i) _____

ii) _____

iii) _____

We thank you very much for your assistance in this important study. We would be grateful if you could mail the questionnaire to us using the self addressed envelop or leave the questionnaire at the reception of the hotel /lodge, or leave it with Air Botswana personnel at Maun Airport.