

Appendix A

Questionnaire

for

A Valuation of Canals Clean-Up:

A Case Study of Mahanag and San Sab Canals.

Sampling Point: _____

Valuation Method: 1. () Open 2. () CH 3. () CL

Notice: Before starting the interview, make sure that the respondent is over 18 years old.

Introduction: This questionnaire is part of a thesis required for a Masters Degree in Economics, at Thammasat University. The objective of the study is to find out the willingness of passengers to pay for improvement in the water quality of Mahanag and San Sab Canals.

Your opinion and information is essential for this research. Thank you for your cooperation.

Part I: Use of the Canal

1. How often do you use this route?

1. () regularly use: _____ days per week
2. () occasionally use
3. () first time use, and will use regularly: _____ days per week
4. () first time use, and will use occasionally.

2. For which trips do you use the boat?

1. () Round trips
2. () Outward trip
3. () Homeward trip

3. You usually travel from _____ pier to _____ pier.

4. What is the most important reason for traveling by boat?
1. () Save Time
 2. () Convenience (close to home/office)
 3. () other (specify) _____
5. Apart from using boat, what transportation mode do you usually use?
1. () Bus
 2. () Microbus
 3. () Air- conditioned bus
 4. () Train
 5. () Private vehicle
 6. () No other transportation
 7. () Other (specify) _____
6. The transportation cost for the mode in question 5 _____ baht per trip.
7. How long do you spend travelling by the transportation mode in question (5)?
 _____ hour(s) _____ minute(s)
8. Is your house located on the banks of Mahanag or San Sab?
- 1 () Yes. (Ask question 9)
 - 2 () No. (Skip to question 10).
9. Apart from using these canals for travelling, do you use them for other purposes?
- 1 () Non-use
 - 2 () Canal water consumption
 - 3 () Dumping garbage
 - 4 () Other (specify) _____

Part II:

Willingness to Pay for Improvement in Water Quality of Mahanag
and San Sab Canals

10. What made you dissatisfied with travelling by San Sab boat?
1. () Nothing (skip to question 12)
 2. () Garbage in the canals
 3. () Bad smell of the water
 4. () Dirty color of the water
 5. () Noise of boats
 6. () other (specify) _____

11. In your opinion, what is the cause of canal pollution? _____
12. How do you protect yourself from the polluted water of Mahanag and San Sab Canals?
- 1 () Nothing
 - 2 () Covering your nose with a handkerchief
 - 3 () Covering yourself with something
 - 4 () Sometimes use another route
 - 5 () Other (specify) _____

For interviewer: Before asking the next question, slowly read the information from card 1-2 and show the pictures. Allow the respondent sufficient time to think before answering.

13. Would you be willing to pay for a "Ruk Khlong Card" in order to finance the Canals Clean-Up project?
- 1 () No. (Ask question 14, then skip to question 17)
 - 2 () Yes. (skip to question 15)
14. Why would you not be willing to pay for the Clean Canal Project?
- 1 () Shortage of funds
 - 2 () It should be the responsibility of a government agency.
 - 3 () The project should be financed by the money collected from raising ticket prices.
 - 4 () I lack confidence in the success of the project.
 - 5 () Other (specify) _____

For interviewer: Before asking the next question, remind the respondents that if they mention an unbelievably low price, the project will not exist because of the lack of money. However, if they mention an unbelievably high price, they may not be able to pay that price.

There are three versions of the willingness to pay questions as follows:

Version A: open-ended

15. What is the maximum amount you would be willing to pay for a "Ruk Khlong Card"? _____ baht per month.

Version B: Closed-ended with high value

15.1. Would you be willing to pay 200 baht per month for a "Ruk Khlong Card"?

1 () Yes 2 () No.

15.2 What is the maximum amount you would be willing to pay for a "Ruk Khlong Card"? _____ baht per month.

Version C: Closed-ended with low value

15.1. Would you be willing to pay 20 baht per month for a "Ruk Khlong Card"?

1 () Yes 2 () No.

15.2 What is the maximum amount you would be willing to pay for "Ruk Khlong Card"? _____ baht per month.

16. Would you buy a "Ruk Khlong Card" every month?

1 () Yes. 2 () No, but you would buy _____ cards per year.

17. Do you think that other passengers will buy a "Ruk Khlong Cards"?

1 () Yes, _____

2 () No, _____

18. Have you ever heard about the First Stage Waste-water Treatment Plant construction?

1 () No. (skip to question 20) 2 () Yes. (ask question 19)

19. How did you learn about the First Stage Waste-water Treatment Plant?

1 () Newspaper 2 () Journal 3 () Radio

4 () Television 5 () Relatives / friends

20. Do you believe in the success of the canals clean-up project?

1 () Yes. 2 () No.

Part III: Socio-economic Characteristics

21. Gender: 1 () male 2 () female

22. Age: _____ years

23. Marital Status:

1 () Married 2 () Single 3 () Widower/ Divorced/ Separated

24. Education:

1 () None 2 () Primary 3 () Secondary
 4 () Technical diploma 5 () Bachelor or higher degree
 6 () Other (specify) _____

25. Occupation:

1 () Government employee 2 () Private employee
 3 () Laborer 4 () Entrepreneur
 5 () Unemployed (specify: student, housewife, retired, etc.)
 6 () Other (specify) _____

26. Total monthly income _____ baht

(Record student or unemployed allowance)

1 () 0-2,500 2 () 2,501-5,000 3 () 5,001-7,500
 4 () 7,501-10,000 5 () 10,001-15,000 6 () 15,001-20,000
 7 () 20,001 and above

27. What is your status in the household?

- 1 () Head (go to 31) 2 () Spouse 3 () Son/ Daughter
4 () Relative 5 () Other (specify)_____

28. What is the occupation of the household head?

- 1 () Government employee 2 () Private employee
3 () Laborer 4 () Business person
5 () Other (specify)_____

29. Monthly income of the household head_____baht per month

- 1 () 0-2,500 2 () 2,501-5,000 3 () 5,001-10,000
4 () 10,001-15,000 5 () 15,001-20,000 6 () 20,001-25,000
7 () 25,001-30,000 8 () 30,000 and above

30. Your monthly expenditure is _____baht

- 1 () 0-1,000 2 () 1,001-2,500 3 () 2,501-4,000
4 () 4,001-6,500 5 () 6,501-8,000 6 () 8,001-10,000
7 () 10,001-12,000 8 () 12,001-15,000 9 () 15,000 and above

31. Are you a member of club/association dealing with environmental protection?

- 1 () No 2 () Yes, (specify)_____

32. Have you ever worked on an environmental project?

- 1 () No. 2 () Yes (specify)_____

33. Do you donate to/finance any environmental or natural resource projects?

- 1 () never financed any project.
2 () used to finance, but not now
3 () finance_____baht (per month/ year) for_____

34. Please give your suggestions/remarks, on these two canals _____

End of the interview

To be filled in by the interviewer after the interview:

Length of interview _____ minutes

35. Were there any listeners during the interview?

1 () No 2 () Yes

36. Was the respondent interested in the interview?

1 () Good 2 () Fair 3 () Poor

37. How well did the respondent understand what he or she was asked to do in these questions?

1 () Well 2 () Fair 3 () Poorly