**FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA**

**DEPARTMENT OF AQUACULTURE AND FISHERIES MANAGEMENT**

**TOPIC: FRAME SURVEY AND CATCH ASSESSMENT OF A SMALL SCALE FISHERY: A CASE STUDY OF *Pellonula leonensis* FISHERY IN OGUN COASTAL ESTUARY, SOUTH WEST NIGERIA**

Dear Respondent,

I am a final year student of the department of Aquaculture and Fisheries Management, Federal University of Agriculture, Abeokuta. This questionnaire is to get information from you on the above mentioned topic, Please your co-operation is kindly needed by responding to all questions asked to the best of your knowledge. I assure you that all information given will be treated confidentially.

Thanks in anticipation for your cooperation.

**BAKARE**, Omolola. M.

**INSTRUCTION:** Please tick (√) or fill in the gap as appropriate.

**SECTION A: SOCIO-ECONOMIC CHARACTERISTICS OF THE RESPONDENT**

1. Age of the respondent ……………………. years.

2. Sex: (a) Male [ ] (b) Female [ ]

3. Marital Status: (a) Single [ ] (b) Married [ ] (c) Divorced [ ] (c) Widowed [ ] (e) Separated [ ]

4. Educational Status: (a) Informal education [ ] (b) Primary school [ ] (c) Secondary school [ ] (d) Tertiary [ ] (e) Others [ ]

5. Household size: …………………………………

6. Family Type: (a) Polygamy [ ] (b) Monogamy [ ]

7. Religious Practice: (a) Christian [ ] (b) Islam [ ] (c) Others [ ]

8. Which ethnic group do you belong to? ................................................

9. Apart from fishing activities, what other job do you do?………………….

10. How many years have you been into fishing? ............................................

11. Mode of fishing operation: (a) Part time [ ] (b) Full time [ ]

12. Do you belong to any cooperative society or fish association? (a) Yes (b) No

**SECTION B: FISHING ACTIVITIES**

13. What source of labour do you use for your fishing activities? (a) Family members [ ] (b) Hired labour [ ] (c) Both [ ]

14. What type of fishing do you practice? (a) Commercial fishing [ ] (b) Subsistence fishing [ ]

15. What time do you go for fishing? (a) Morning [ ] (b) Evening [ ] (c) Night [ ] (d) Dawn [ ]

16. What type of fishing gear do you use? (a) Hook and line [ ] (b) Traps [ ] (c) Gill net [ ] (d) Drag net [ ] (e) Cast net [ ] (f) Others [ ]

17. What type of fishing craft do you use? (a) Dug-out canoe [ ] (b) Outboard engine [ ] (c) Others

18. If with engine, what is the capacity and make ……………………………….

19. If engine is on lease, at what rate are you charge? N…………………………

20. What is your canoe made of? (a) Wood [ ] (b) Aluminum [ ] (c) Others (specify)……………

21. How many times do you go on fishing per week? ………………. Days

22. How many hours do you spend on you fishing days? …………… Hours

23. How can you rate your level of catch from each trip? (a) Small [ ] (b) Medium [ ] (c) Large [ ]

24. Do you keep records of your fishing operations? (a) Yes [ ] (b) No [ ]

25. If yes, what type of record(s) do you keep? .......................................................

**SECTION C: FISH MARKETING AND PROCESSING**

26. What method of preservation do you adopt for your fish catch? (a) Smoking [ ] (b) Sun drying [ ] (c) Icing [ ] (d) Salting [ ]

27. In what form do you sell your fish? (a) Fresh [ ] (b) Smoked

28. Is there a readily made market available for your fish? (a) Yes [ ] (b) No [ ]

29. Is demand for the fish greater than it supply? (a) Yes [ ] (b) No

30. What is the peak marketing period for the fish? ...................................

31. How long do you store your fish before sale? (a) Hours [ ] (b) Days [ ] (c) Weeks [ ]

32. What medium do you use to transport your fish to the market? (a) Carton [ ] (b) Basket [ ] (c) Sacks [ ] (d) Polythene bags [ ]

33. Do you sell your product within the community? (a) Yes [ ] (b) No [ ]

34. If No, what are the locations you sell to? …………………………..............

35. How do you sell your product? (a) Basket N………………… (b) Hands N……………… (c) Bowls N................. (d) Others (specify) N……………..

36. What is your level of involvement in this fishery? (a) Wholesale [ ] (b) Middlemen [ ] (c) Retailer [ ]

**SECTION D: ECONOMICS AND PROFITABILTY POTENTIAL**

37. How many people do you require per fishing trip? ………………….

38. How do you pay for their services? (a) Cash [ ] (b) Percentage of catch [ ] (c) Free

39. If cash, how much do you pay? N ……………………….., and if percentage of catch, how much percentage do you give?…………………….

40. What is your average catch per trip? ............... (a) Baskets [ ] (b) Hands [ ]

41. What is your source of capital? (a) Personal savings [ ] (b) Bank loan [ ] (c) Cooperative society [ ] (d) Loan from family [ ] (e) Others (specify)…………………………………

42. If loan, what is the interest rate? …………………………..

43. What problems do you encounter with labour acquisition? (a) High cost of labour [ ] (b) Non-availability [ ] (c) Other (specify)……………….

44. What problem(s) do you encounter in obtaining capital? ……………………………………

FIXED INPUTS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Inputs | Unit cost  (N)  Before | Unit cost  (N)  Now | Expected  Life span | Rent  N | Unit  owned | Total |
| Boat/Canoe |  |  |  |  |  |  |
| Out board engine |  |  |  |  |  |  |
| Cast net |  |  |  |  |  |  |
| Gill net |  |  |  |  |  |  |
| Seine net |  |  |  |  |  |  |
| Paddle |  |  |  |  |  |  |
| Pole |  |  |  |  |  |  |
| Lamp |  |  |  |  |  |  |
| Floats/Sinks |  |  |  |  |  |  |
| Twines |  |  |  |  |  |  |
| Netting materials |  |  |  |  |  |  |

VARIABLE INPUTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Inputs | Unit | Cost | Quantity used/Trip | Total |
| Ice |  |  |  |  |
| Baits |  |  |  |  |
| Engine maintenance |  |  |  |  |
| Canoe maintenance |  |  |  |  |
| Petrol |  |  |  |  |
| Kerosene |  |  |  |  |
| Lubricant |  |  |  |  |
| Net mending |  |  |  |  |
| Line |  |  |  |  |
| Battery |  |  |  |  |

**SECTION E: CONSTRAINTS OF THE FISHERY**

45. Does the following processes aids deterioration prior to smoking to this fishery?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Problems** | **A**  **Very serious** | **B**  **Serious** | **C**  **Not a problem** | **D**  **I don’t know** |
| Length of time which dead fish were left |  |  |  |  |
| Lack of proper gutting and cleaning |  |  |  |  |
| Infestation by insects during storage |  |  |  |  |
| Placing of fish catch on bottom of canoes not container |  |  |  |  |

46. How do you think that the government or non-government organizations can be of help? ………………………………………………………............................

47. Are there any regulations on the fishing operations of this fishery? (a) Yes [ ] (b) No [ ]

48. If yes, what are they?.............................................................................................

49. Do you see the following problem as a challenge to this fishery?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Problems** | **A**  **Very serious** | **B**  **Serious** | **C**  **Not a problem** | **D**  **I don’t know** |
| Lack of portable water |  |  |  |  |
| Lack of good market |  |  |  |  |
| Lack of fish catch |  |  |  |  |
| Lack of social amenities |  |  |  |  |
| Epileptic power supply |  |  |  |  |
| Invasion of aquatic weeds |  |  |  |  |
| Lack of funds |  |  |  |  |
| No access to credit facilities |  |  |  |  |
| Destruction of gears by stumps and bottow rocks |  |  |  |  |
| Inadequate fishing facilities |  |  |  |  |

50. Others (specify) ……………………………………………................................

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