# **Fisheries Questionnaire**

Introduction

This survey is conducted to understand the historical changes in individual catches of Chwaka Bay fishers. The data gathered is anonymous and kept for scientific purposes only. Your answers will be used within a research project that aims to parameterize an ecosystem model of Chwaka Bay. This model will then be used to explore the impact of different management interventions on the ecosystem and individual profits.

# Part A. Background information

The questions in this section are designed to collect general information about the fisher.

**A1. In which fishing village do you live?**

Chwaka  Uroa  Marumbi  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**A2. Are you male or female?**

Male  Female

**A3. How old are you?**

**A4. Since how long do you fish?**

# Part B. Fishing practices

The questions in this section are designed to collect information on the type of gear used and species caught by the fisher.

**B1. Which gear do you use?**

Primary gear/gears:

Madema  Dragnet  Mishipi  Spear

Floatnet  Gillnet  Longline  Fence

Foot Fisher  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Secondary gear/gears:

Madema  Dragnet  Mishipi  Spear

Floatnet  Gillnet  Longline  Fence

Foot Fisher  Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**B2. Do you target the following species/type of fish?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | | | |  |
|  | **Not at all** | **Occasionally** | **Often** | **Main target species** | **Gear used to catch the species** |
|  |  |  |  |  |  |
| 1. Siganus sutor |  |  |  |  |  |
| 2. Siganus stellatus |  |  |  |  |  |
| 3. Lethrinus lentjan |  |  |  |  |  |
| 4. Lethrinus borbonicus |  |  |  |  |  |
| 5. Lethrinus harak |  |  |  |  |  |
| 6. Lethrinus variegatus |  |  |  |  |  |
| 7. Lethrinus variegatus |  |  |  |  |  |
| 8. Lethrinus mahsena |  |  |  |  |  |
| 9. Monodactylus argentus |  |  |  |  |  |
| 10. Lutjanus fulviflamma |  |  |  |  |  |
| 11. Scarus ghobban |  |  |  |  |  |
| 12. Hipposcarus harid |  |  |  |  |  |
| 13. Calatomus carolinus |  |  |  |  |  |
| 14. Leptoscarus vaigiensis |  |  |  |  |  |
| 15. Plecthorinchus gibbus |  |  |  |  |  |
| 16. Acanthurus spp. |  |  |  |  |  |
| 17. Serranidae |  |  |  |  |  |
| 18. Mullidae |  |  |  |  |  |
| 19. Balistidae |  |  |  |  |  |
| 20. Mugilidae |  |  |  |  |  |
| 21. Belonidae |  |  |  |  |  |
| 22. Chirocentridae |  |  |  |  |  |
| 23. Sphyraenidae |  |  |  |  |  |
| 24. Caesionidae |  |  |  |  |  |
| 25. Sardinella spp. |  |  |  |  |  |
| 26. Anguilliformes |  |  |  |  |  |
| 27. Rhinobatidae |  |  |  |  |  |
| 28. Octopus |  |  |  |  |  |
| 29. Squids |  |  |  |  |  |
| 30. Crabs/Lobsters |  |  |  |  |  |
| 31. Snails |  |  |  |  |  |
| 32. Others |  |  |  |  |  |

# Part C. Current and historical catches

The questions in this section are designed to collect information on historical and current catch per fisher. In the first two questions the fisher is asked about his/her total catch. In the third and fourth question the fisher is asked about the historical and current catches of his/her *main target species* and the species he/she fishes *often*.

C1. For how many years do you fish in Chwaka Bay?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C2. Do you fish all year long in Chwaka Bay? If not indicate which seasons/months you don’t fish in Chwaka Bay

yes no, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The following questions should not be asked for those past years in which the fisher did not fish in Chwaka Bay.

**C1. What is your current average total catch per single fishing trip (kilogram)?**

kg  numbers

**C2. What is your average total catch per single fishing trip (kilogram)**

5 years ago?  kg  numbers

10 years ago?  kg  numbers

25 years ago?  kg  numbers

50 years ago?  kg  numbers

>50 years ago?  kg  numbers

**C3. What is the current average total catch per single fishing trip (kilogram) for your main target species and species you catch often?**

Species 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 5: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 6: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 7: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 8: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 9: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 10: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

Species 11: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  kg  numbers

**C2. What is your average total catch per single fishing trip for your main target species and species you catch often?**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Species** | **5 yrs.** | **10 yrs.** | **25 yrs.** | **50 yrs.** | **>50 yrs.** | **kg/nr.** |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |

# Part D. Additional information

**D1. Would you like to be informed about the results of this research project?**

Yes  No

**Thank you for your time!**