

## **Instructions for Conducting Face-to-Face Interviews and Administering the Questionnaire**

### **Introduction and Consent:**

1. Begin the interview by introducing yourself as an enumerator on behalf of WWF-Pakistan. Emphasize the purpose of the interview, which is to gather information about small-scale fisheries and bycatch species in Pakistan under the project of 'Filling the knowledge gap around the cetacean population, entanglement and mortality associated with small-scale fisheries in Pakistan' supported by the financial assistance of Whale and Dolphin Initiative via WWF-Australia.
2. Ensure that the respondent verbally consented to participate voluntarily in the interview.
3. Explain to the respondent that honest responses based on their experiences are essential for the survey's success.
4. Inform the respondent that they have the right to withdraw from the interview at any point if they wish to do so.
5. Clearly state that participation in the interview or completion of the questionnaire does not commit the respondent to any contract, job, or engagement.

### **Questionnaire Administration:**

6. Provide a pencil to the respondent to complete the survey form.
7. Fill out the date and time of the interview at the designated spaces.
8. Ask the respondent to provide their district, village/area name, and GPS coordinates (latitude and longitude).
9. Record the respondent's name and age in the respective spaces.
10. Collect information about the respondent's education level and the languages they know/communicate in.
11. Ask about the respondent's main occupation and their association with fisheries in terms of years.
12. Inquire about the respondent's current role in the fisheries sector and the type of fisheries they are engaged in.
13. Proceed with questions about fishing practices, gear types, operational details, and technology.
14. Record information about the respondent's fishing gear, including size, fishing time, gear settings, gear type, color, length, width, mesh size, floats, sinkers, etc.
15. Inquire about navigation and communication tools on the respondent's boat, engine type, gears used, port of departure and arrival, and fish market details.
16. Ask about the target and other main fish species, the presence of marine turtles and dolphins, encounters with non-commercially important species, treatment of encountered animals, and any changes in fishing techniques.
17. Collect information about the respondent's awareness of marine animal conservation, opinions on not catching certain species, willingness to help with data collection, and potential future interviews.

### **Consent and Contact Information:**

18. After completing the questionnaire, request the respondent's consent for data use and research purposes.  
Offer two options for providing consent:
  - a. Thumb Impression: Ask the respondent to provide their thumb impression as a sign of consent.
  - b. Signature: Ask the respondent to sign their name as a sign of consent.
19. If the respondent provides consent, proceed to ask for optional basic contact information (phone number and/or email address) if they are willing to be contacted for follow-up or future interviews.

**Closing:**

20. Thank the respondent for their time and valuable input.
21. Reiterate that their participation and honest responses contribute to understanding fisheries and bycatch species in small scale fisheries.

**Note:** Ensure the interview process is respectful, attentive, and considerate of the respondent's time and comfort. Follow ethical guidelines and maintain a professional demeanor throughout the interview process.

**Survey for the assessment of the bycatch species in small-scale fisheries of Pakistan**

*Please use a pencil while filling out the survey form. You may record the responses by selecting one and more than one answer where applicable.*

**Demographic Information:**

Date:

Time start:

Time end:

District:

Village/ area name:

GPS coordinates:      latitude

longitude:

1. Name of the interviewee:
2. What is your Age:
3. What is your education level:
  - a. Primary school
  - b. Secondary high school
  - c. Graduate
4. Which of the following languages do you know /communicate:
  - a. Urdu
  - b. Sindhi
  - c. Balochi
  - d. Siraiki
  - e. English
  - f. Other, \_\_\_\_\_
5. What is your main occupation?
  - a. Fisherman
  - b. Farmer
  - c. Local Businessman

**Fisheries Information:**

6. For how long you are associated in fisheries: \_\_\_\_\_ years
7. What is your current role in the fisheries sector?
  - a. Captain

Recorder:

Respondent number:

- b. Crew
- c. Cook
- d. Owner of the boat
- e. Middleman
- f. Fisherfolk representative
- g. Processor/ exporter

8. What type of fisheries are you engaged in?

- a. Coastal inland /Creek fisheries
- b. Coastal fisheries
- c. Deep offshore fisheries
- d. Transporter of fish catch from the local boats to port/ landing areas
- e. Others \_\_\_\_\_

9. What is the size of your boat?

- a. Small boat (size: \_\_\_\_\_ feet)
- b. Medium boat (size: \_\_\_\_\_ feet)
- c. Large boat (size: \_\_\_\_\_ feet)

10. What are your fishing time and fishing operations?

- a. Morning, number \_\_\_\_\_ gear settings \_\_\_\_\_ hours per day.
- b. Mid-day, number \_\_\_\_\_ gear settings \_\_\_\_\_ hours/ per day.
- c. Evening, number \_\_\_\_\_ gear settings \_\_\_\_\_ hours/ per day.
- d. Overnight, number \_\_\_\_\_ gear settings \_\_\_\_\_ hours per day.

#### Gear Configuration and Operations:

11. What is the fishing gear type and material you use:

*Please tick the relevant responses in particular fishing gear types.*

Gear type	Drift	Fixed	Monofilament	Multifilament	Lines
a. Large gillnets					
b. Medium gillnets					
c. Small gillnets					

Recorder:

Respondent number:

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Gear type	Drift	Fixed	Monofilament	Multifilament	Lines
d. Shrimp trawlers					
e. Surrounding nets					
f. Longline					
g. Handline					
h. Traps					

12. In which months of the year do you use this gear (*select more than one month where applicable*):

a. January	b. February	c. March	d. April	e. May	f. June
g. July	h. August	i. September	j. October	k. November	l. December

13. Operation of gear settings:

- a. Surface
- b. Subsurface
- c. Mid water
- d. Bottom

14. What is the color of your fishing gear?

- a. White/ transparent
- b. Grey
- c. Blue
- d. Green
- e. Brown
- f. Red
- g. Other, \_\_\_\_\_

15. What is the length of your fishing gear: \_\_\_\_\_ kilometers/ meters.

16. What is the width of your fishing gear: \_\_\_\_\_ kilometers/ meters.

Recorder:

Respondent number:

17. What is the Mesh size: \_\_\_\_\_ millimeters/ ungal.
18. What type of floats are used:
- Kamit
  - Thermopile
  - Plastic bottles
  - Gallons
  - Others, \_\_\_\_\_
19. How many floats used: \_\_\_\_\_ numbers
20. What are the type of sinkers:
- Lead sinkers
  - Stones
  - Others, \_\_\_\_\_
21. What is the number of used sinkers: \_\_\_\_\_
22. What is the weight of each sinker/stone: \_\_\_\_\_
23. What is the length of one fishing trip:
- Half day
  - One day
  - One week/ eight days
  - Two weeks/ 15 days
  - One month
  - Others, \_\_\_\_\_
24. What is the number of crew:
- 4
  - 6
  - 12
  - 15
  - 20
  - 25
25. What type of technology used for fishing:
- Fish aggregating device
  - Radio buoys
  - Lights
  - None
  - Others, \_\_\_\_\_
26. What type of navigation and communication are installed on your boat/ used:
- GPS navigation units

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- b. AIS unit
- c. VHF unit
- d. Fishing finder
- e. Mobile applications
- f. Others, \_\_\_\_\_

27. What is the engine type of your boat:

- a. Sailing boat, no engine
- b. Onboard, \_\_\_\_\_ hose power \_\_\_\_\_
- c. Inboard, \_\_\_\_\_ hose power \_\_\_\_\_

28. How many gears used on board:

- a. One
- b. Two
- c. Three
- d. Others, \_\_\_\_\_

29. What is your main port of departure for fishing:

30. What is the port of your arrival after fishing:

31. What is the main nearby fish market or where the fish catches are landed:

32. What is the fish catch market to the first buyer:

- a. Owner
- b. Middleman
- c. Processor/ exporter
- d. Auctioned

33. What your fishing gear targets main fish: \_\_\_\_\_

34. What are the other main five fish species of your fishing gear:

S.N	Fish/ species
a.	
b.	

S.N	Fish/ species
c.	
d.	
e.	

**Bycatch Information:**

35. How many marine turtles were found during your fishing activities last year?

- a. Three      b. Five      c. Less than ten      d. More than Ten      e. not sure

If any, what are its local names:

36. How many types of marine dolphins have been found during your fishing activities in the last year?

- a. Three      b. Five      c. Less than ten      d. More than Ten      e. not sure

If any, what are its local names:

37. What type of species of non-commercially important species are caught in your fishing gear?

S.N	Fish species/categories
a.	
b.	
c.	
d.	



S.N	Fish species/categories
e.	

38. What type of non-commercially important species are mostly encountered/sighted during fishing operations/travels:

S. N	Fish species	Sighted/ encountered	Numbers in one year	Fishing areas name	Month names
a.					
b.					
c.					
d.					
e.					

39. What type of species creates trouble/damage to the fishing gear, and how they are treated:

S.N	Fish species/categories	Damage net (yes/ no)
a.		
b.		
c.		
d.		

S.N	Fish species/categories	Damage net (yes/ no)
e.		

40. Based on the above question and if encountered, how these animals (turtles/dolphins/ whale sharks/ mobulids) are treated:

S. N	species/categories	Released (dead/ alive)	Discarded (Yes/ No)	Retained (Yes/ No)	Others, specify
a.					
b.					
c.					
d.					
e.					

41. How are the species mentioned earlier encountered in your fishing gear?

S. N	species/categories	Accidentally	Targeted	Not sure
a.				
b.				
c.				
d.				

S. N	species/categories	Accidentally	Targeted	Not sure
e.				

42. Do you think you have shifted/ changed your fishing techniques for the targeted species? If yes, please explain:

#### Awareness of Conservation and Laws:

43. Do you have any awareness about the conservation of marine animals at the community or government and legislative levels?

- a. Yes
- b. No

If yes, please explain the protected species and its conservation:

44. Do you think some marine animals should not be caught?

- a. Yes
- b. No
- c. Maybe
- d. Not sure

If yes, please explain why?

45. If you encountered/ sighted some marine animals during your fishing trips, will you help with its data collection and reporting?

- a. Yes

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- b. No
- c. Maybe
- d. Not sure

46. If we visit again, will you help us to contact you to interview you after one year?

- a. Yes
- b. No
- c. Maybe
- d. Not sure

**Thumb Impression or Signature:**

47. As a sign of your voluntary consent to participate in this interview and provide your responses, please provide your thumb impression below:

OR

Please sign your name as a sign of your voluntary consent:

**Basic Contact Information (Optional):**

48. Would you be willing to provide your basic contact information (phone number and email address) if we need to contact you for any follow-up or future interviews? This information will remain confidential and will only be used for research purposes.

Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Lastly, please provide the identification number of your boat (if applicable):

Boat Number: \_\_\_\_\_

**Closing:**

*Thank you very much for your valuable time and cooperation in providing us with the information needed for our research. Your contribution is crucial in advancing our understanding of small-scale fisheries and marine conservation. If you have further questions or wish to follow up, please contact us using the information provided.*

