

**The Conflict Between Fisheries and Cetaceans in
Bulgaria's Black Sea Territorial Waters
Supplemental Appendix**

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Study the Conflict Between Cetaceans and Fisheries in Bulgarian Part of the Black Sea

Part 1: General Knowledge About Cetaceans

1. How many cetacean species are you familiar with from your practice as a fisherman?
 - a) 1
 - b) 2
 - c) 3
 - d) More
2. How do they differ?
 - a) By body size
 - b) By the length of their rostrum (muzzle)
 - c) By color
3. Do you think the number of cetaceans in the Black Sea is . . . ?
 - a) Increasing
 - b) Without change
 - c) Decreasing
 - d) I do not know.
4. Are the cetaceans protected by Bulgarian law?
 - a) Yes
 - b) No
 - c) I do not know.
 - d) Only some species.
5. Which of these answers best describes your attitude towards cetaceans?
 - a) Completely negative
 - b) Moderately negative
 - c) Neutral
 - d) Moderately positive
 - e) Completely positive

Part 2: Personal Experience

6. Have cetaceans ever entered your fishing gear?
 - a) Yes
 - b) No

If yes, do you remember how many individuals, when (season, year), how often, and what species?
7. Do you always recognize which species they are?
 - a) Yes
 - b) No

8. What type of damages do cetaceans cause to your fishing gear?

Grade them by importance (1 – the most significant, 2 – medium in importance, 3 – least important, or 4 – unimportant).

- a) They destroy and damage the fishing gear
- b) They eat the fish
- c) They drive away the fish
- d) All of the above: . . .
- e) Other: . . .

Please describe: _____

9. In which season do you experience the biggest problems with cetaceans?

- a) Spring
- b) Summer
- c) Autumn
- d) Winter
- e) I do not know.

10. How do you handle cetaceans in your fishing gear?

- a) By catching and moving them.
- b) We kill them.
- c) Other: . . .

11. In which seasons do you observe cetaceans most frequently?

- a) Spring
- b) Summer
- c) Autumn
- d) Winter

12. Do you think they have a preference for a certain type of fish?

- a) They have preferences.
- b) No, they consume whichever species is most abundant.
- c) Depends on the season
- d) I do not know.

13. What measures would you recommend to reduce the damage caused by cetaceans on fishing gear or for this problem overall.

- a) Reduce their number through culling down to a certain number.
- b) Scarecrow devices – Please describe:

c) Other – Describe the most effective methods according to you?

d) I do not consider it necessary to take any measures against them because the damages are insignificant.

14. What would you say is the most effective way to reduce the damages by cetaceans?

- a) Special nets
- b) Shooting
- c) Traps
- d) Other: . . .

15. What kind of fishing vessel do you use?

- a) Motor boat
- b) Paddle boat
- c) Trawler.
- d) Other . . .

16. What species do you fish for, depending on the season? Please list:

- a) Spring _____
- b) Summer _____
- c) Autumn _____
- d) Winter _____

Part 3: Describe the Behavior of Cetaceans When They Attack the Fishing Gear

17. How do they attack the fishing gear?

- a) Individually
- b) In groups

18. Is there a difference in behavior between species?

- a) Yes

What? _____

- b) No

- c) I do not know.

Part 4: Information About You

I. Gender:

- a) Female
- b) Male

II. Age: _____ years

III. Place of residence: _____

IV. Education:

- a) Primary
- b) Secondary
- c) Higher

V. How long have you been a fisherman? _____