

Fishermen and Pinniped Interactions: The Perception of Fishermen in Baja California, Mexico

Supplementary Material

Alejandro Arias-Del-Razo,¹ Gisela Heckel,² Yolanda Schramm,³
and Andrea Sáenz-Arroyo⁴

¹*Departamento de Ciencias Químico-Biológicas, Universidad de las Américas Puebla, San Andrés Cholula, México*

²*Centro de Investigación Científica y de Educación Superior de Ensenada, Carretera Ensenada-Tijuana 3918,
Zona Playitas, Ensenada, Baja California, México*

³*Facultad de Ciencias Marinas, Universidad Autónoma de Baja California, Ensenada, México*
E-mail: yschramm@uabc.edu.mx

⁴*El Colegio de la Frontera Sur, Unidad San Cristóbal, San Cristóbal de Las Casas, México*

The following questionnaire was given to fishermen working around the Mexican islands west of the Baja California Peninsula to learn about their experience relating to interference of pinnipeds during their fishing activities.

Questionnaire

Interview

Interviewee's name _____

Interviewer _____

Locality _____

Age _____ Gender (M/F) _____ Date: Day _____ month _____ 2014

General Experience

1. How many years have you been fishing? _____

2. What methods of fishing do you use most often?

3. Which species do you fish more? What is the average size of your captures?

(1) _____ size _____ cm/in

(2) _____ size _____ cm/in

(3) _____ size _____ cm/in

(4) _____ size _____ cm/in

(5) _____ size _____ cm/in

(6) _____ size _____ cm/in

(7) _____ size _____ cm/in

(8) _____ size _____ cm/in

4. On the map, mark the fishing areas you use most often.

5. Are there any animals that negatively affected your fishing activities?

- (A) _____
- (B) _____
- (C) _____
- (D) _____
- (E) _____

6. How often do you encounter marine animals that affect your fishing activity?

1. Species: _____

- (A) Daily (B) Once a week (C) Once a month (D) Once per year (E) Almost never (F) Never

2. Species: _____

- (A) Daily (B) Once a week (C) Once a month (D) Once per year (E) Almost never (F) Never

3. Species: _____

- (A) Daily (B) Once a week (C) Once a month (D) Once per year (E) Almost never (F) Never

7. Could you identify the following animals in the photographs?

- (A) _____
- (B) _____
- (C) _____
- (D) _____

Annotate the responses in the table below.

If pinniped species is mentioned: _____

8. How often does this species interfere with your fishing?

- (A) Daily (B) Once a week (C) Once a month (D) Once per year (E) Almost never (F) Never

9. Which species are the most stolen by this animal?

13. If there are any damages to fishing equipment, what is the average cost of the repairs?

14. How often do the _____ species get hurt or die during their interference with the fishery?

- (A) Daily (B) Once a week (C) Once a month (D) Once per year (E) Almost never (F) Never

15. How often do the _____ species get hurt or die during their interference with the fishery?

- (A) Daily (B) Once a week (C) Once a month (D) Once per year (E) Almost never (F) Never

Notes:

16. In the map of fishing zones, could you list the sites where interference of this species occurs, starting with those where it is most frequent (mark with a different symbol per species)?

17. What measures do you take to reduce the interference of animals in your fishing and improve their handling?

18. Additional Comments:

Today's Experience

1. In today's fishing, did you have any animal interference?

Yes No

2. In the case in which you had an interference, what species were involved?

(A) _____

(B) _____

(C) _____

3. What happened?

4. What was your loss?

5. Mark on the map the areas where you fished today and, with a square, the locations where the interference occurred.