

ELECTRONIC APPENDIX

This is the Electronic Appendix to the article

Rapidly shifting environmental baselines among
fishers of the Gulf of California

by

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Electronic appendices are refereed with the text; however, no attempt is made
to impose a uniform editorial style on the electronic appendices.

Electronic Appendix for Sáenz, Roberts, Torre, Cariño-Olvera and Enriquez Andrade: Rapidly Shifting Environmental Baselines Among Fishers of the Sea of Cortez.

1. Questionnaire

1. Date _____

2. Profession _____

3. Sea of Cortez site most frequently visited

(Please locate your main fishing area in the attached map)

4. Age _____

5. Years fishing in the Sea of Cortez _____

6. Do you own a boat? _____

7. Gender F () M ()

8. How would you describe the condition of the fishery stocks the Gulf of California?

Underfished () Fully exploited () Depleted () Severely depleted ()

9. Do you think that fishing has depleted stocks of any exploited species?

Yes () No () I do not know ()

If your answer was yes, which species do you consider to be depleted?

10. Are there any places in the Gulf of California that were once productive fishing grounds but are now depleted?

(Please locate the places in the attached map)

Yes () No () I do not know ()

If the answer was yes, list those places that were formerly productive.

11. Do you know of any species that were once important in commercial or sport fisheries but are no longer or very rarely caught?

Yes () No () I do not know ()

If your answer was yes, list each species and the main cause you think was responsible for their disappearance.

Gulf Grouper (Garropa)

1. Have you ever caught a Gulf grouper (*Mycteroperca jordani*)?

Yes () No ()

i. If your answer was yes, what was the size of a the largest fish of this species you ever caught

_____cm.

_____ Kilograms.

In which year was it? _____

Where was it caught?_____

What type of fishing gear was it?_____

ii. How many Gulf groupers did you catch in the best day you ever had?

In which month was it? _____

In which year?_____

Where was it caught?_____

Table 1. Details of the sample of fishers in the central Sea of Cortez. Numbers obtained from ¹Dirección de Fomento Pesquero ²Loreto Bay National Park Programa de Ordenamiento Pesquero, ³Sociedad de Historia Natural “Niparáj” censo de embarcaciones pesqueras. The age distribution of the population for each location was extracted from INEGI (2002) [XII Censo General de Población y Vivienda 2000. Tabulados Básicos. Instituto Nacional de Geografía Estadística e Informática. 357 pp].

	COMMUNITIES SAMPLED				TOTAL NUMBER OF FISHERS FROM EACH AGE CLASS
	Santa Rosalía San Bruno Mulegé	Loreto San Nicolás Ensenada Blanca	Agua Verde Tembabichi	Punta Alta Los Burros Nopoló	
TOTAL NUMBER OF FISHERS	920 ¹	326 ²	116 ³	45 ³	
NUMBER INTERVIEWED	20	9	7	4	40
15-30 NUMBER INTERVIEWED	15	9	6	4	34
31-54 NUMBER INTERVIEWED	14	12	5	3	34
≥ 55 TOTAL FISHERS INTERVIEWED	49	30	18	11	108