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SUPPLEMENTARY MATERIAL

Local ecological knowledge and attitude toward the Great Cormorant (*Phalacrocorax carbo*) among the fishermen's community at Beni Haroun Dam, Algeria

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University of Mila
Survey on Fishing Practices and Perceptions of the Great Cormorant (Phalacrocorax carbo)
at Beni Haroun Dam, Algeria

Name of the survey conductor: _____

Section 1. Fishermen's Profile

A. Socio-demographic Characteristics

1. Age:
Age: _____ years
2. Place of residence:
Residence: _____
3. Education level:
 - ☐ Low (no schooling or incomplete primary education)
 - ☐ Basic (middle school or secondary school)
 - ☐ Intermediate (high school diploma or equivalent)
 - ☐ Higher (university level)
4. Number of children:
Number of children: _____
5. Monthly income: *(for commercial fishermen only)*
Monthly income: _____ DZD
6. Do you have access to the internet?
 - ☐ Yes ☐ No

B. Fishing Activity

7. Are you currently still fishing?
 - ☐ Yes ☐ No
8. Years of fishing experience:
Experience: _____ years
9. Average time spent per fishing session:
Duration: _____ hours/day
10. Fishing effort (number of days per week):
Days per week: _____ days
11. Fishing sites regularly visited:
Sites: _____
12. Fishing gear used:
 - ☐ Nets ☐ Line fishing ☐ Other (specify): _____
13. Target fish species:
Species: _____
14. Fishing purpose:
 - ☐ Commercial (income-generating) ☐ Recreational (non-commercial)

Section 2. Local Ecological Knowledge of the Great Cormorant

A. Species Recognition

15. Do you recognize this bird? *(An illustration of Phalacrocorax carbo will be provided to the respondent)*
 - ☐ Yes ☐ No
16. What local names do you use to refer to this bird?
Local name(s): _____

B. Species Ecology

17. What is the period of presence of the cormorant at the dam?

- ☐ By season: _____
- ☐ By month(s) (specify): _____
- 18.** What are the preferred sites of the cormorant within the dam?
☐ Rhumel area (eastern side) ☐ Oued Endja area (western side) ☐ Central area
☐ Other (specify): _____
- 19.** What types of habitat does the cormorant use?
☐ Banks ☐ Trees ☐ Deep waters ☐ Shallow waters ☐ Riverbeds / stream beds
☐ Other (specify): _____
- 20.** What prey does the cormorant consume?
Fish species: _____
- 21.** What is the preferred size of prey taken by the cormorant?
☐ Small-sized fish (< 20 cm) ☐ Large-sized fish ($\geq$ 20 cm) ☐ Both (no apparent size preference)
- 22.** What is the estimated daily food intake of the cormorant?
Estimated quantity: _____ kg/day or number of prey items/day
- 23.** What is the cormorant's hunting behavior?
Foraging strategy:
☐ Solitary ☐ In groups ☐ Both
Time of day:
☐ Morning ☐ Afternoon ☐ Evening ☐ Morning and evening ☐ Afternoon and evening ☐ All day
- 24.** What is the perceived impact of the cormorant on fish stocks and fishing activities?
- 25.** How has the Great Cormorant population at the dam changed in recent years?
☐ Increased ☐ Decreased ☐ Stable ☐ No observation/opinion

Section 3. Attitudes Toward Conservation

Statement	0 (Strongly disagree)	0.5 (Moderately agree)	1 (Strongly agree)
Q1. The cormorant population at the dam should be controlled	☐	☐	☐
Q2. Cormorants have a negative impact on fishing activities	☐	☐	☐
Q3. Cormorants have caused a noticeable reduction in my own catch	☐	☐	☐
Q4. Cormorants threaten recreationally important fish species	☐	☐	☐
Q5. I would support measures to protect the cormorant	☐	☐	☐
Q6. Cormorants bring benefits to the ecosystem	☐	☐	☐
Q7. I would prefer coexisting with cormorants over actively reducing their population	☐	☐	☐