**SURVEY TO UNDERSTAND COMMUNITY PERCEPTION OF NO-TAKE MARINE RESERVES**

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| This research is being conducted by TURFeffect, a group of master’s students at the Bren School of Environmental Science & Management at the University of California, Santa Barbara, located in the United States of America.  The group is working with Comunidad y Biodiversidad A.C. (COBI) to create a framework for evaluating the success of no-take marine reserves in Mexico. The purpose of this survey is to fill information gaps about the communities that COBI has been working with the past 15 years. This information will be used to perform sample analyses on selected indicators that measure changes in the environment, economy and social structures after the implementation of no-take zones.  The participation at this survey is voluntary and the interviewee may decline to participate or withdraw from participating at any time, without any penalization. |

**Interviewer: Date:**

**Name of the community:**

**SECTION 1**

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| *The following questions are for demographics purposes only.* |

**Interviewee: Gender: Age:**

**How long have you lived in this community?**

**Level of education Occupation:**

No educación formal

Escuela primaria

Escuela secundaria

Preparatoria

Bachillerato

Otro

*If the occupation is fisheries related, please answer the following questions:*

**How long have you had that job?**

**How often do you work?**

**SECTION 2**

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| *The following questions are focused on governance structure and reserve implementation.* |

1. Are the fishers of this community organized? If so, how? How many of each type of organization?

\_\_ Cooperative

\_\_ Association

\_\_ Union

\_\_ Other. Please specify:

1. Could you give us the following information about the no-take zones in this area?

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| --- | --- | --- | --- |
| Name of the area | Year it was implemented | Reasoning for location |  |
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1. Who initiated the process of creating the no-take zones? Select all that apply and highlight the top 3 actors.

Community

Cooperative

Non-Governmental Organizations

Academics

Government Agencies. Please specify:

Other. Please specify:

1. Who participates on the decisions for the no-take zones? Circle all that apply.

Community

Cooperative

Non-Governmental Organizations

Academics

Government Agencies. Please specify:

Other. Please specify:

* 1. Can you think in anyone else you believe should be participating in the decision-making process? Who?

1. Who is involved in the management, monitoring, and enforcement of the no-take zone? Mark all that apply.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Management | Monitoring | Enforcement |
| Community |  |  |  |
| Cooperative |  |  |  |
| Non-Governmental Organizations |  |  |  |
| Hired firms |  |  |  |
| Academics |  |  |  |
| Government Agencies. Please specify: |  |  |  |
| Other. Please specify: |  |  |  |
| Who else should be participating in these processes? |  |  |  |

1. What is the setup of the reserve? (Ask JC about combinations)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Reserve | Reserva Voluntaria | Refugio Pesquero | | | | Zona núcleo |
| Total Permanent | Total Temporary | Partial Permanent | Partial Temporary |
|  |  |  |  |  |  |  |
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1. Are the no-take zones legally recognized by the government?
   1. If they are not recognized, has the community already started the process to get its no-take zones recognized?
   2. If the no-take zone is not recognized and the community did not started the process yet, are they willing to do it?

**SECTION 3**

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| *The following questions are focused on management of the no-take zones.* |

1. Do the reserves have a management plan?

Yes

No

Don’t know/not sure

1. What type of species are intended to be managed by the reserve? Do you think the area is large enough to protect/manage these species?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Zone | Sp1 | Sp2 | Sp3 | Sp4 | Sp5 | Large enough? |
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1. How are the local fisheries managed? Circle all that apply.

TURF

Permits

Quotas (whole fishery)

Individual Quota

Open Access

* 1. Are the no-take zone is placed inside a TURF?
  2. If so, what is the total area of the TURF?

**SECTION 4**

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| *The following questions are focused on enforcement and economic impact of the no-take zone(s).* |

1. How well do you think the vigilance and enforcement works in this community?

Very good

Good

Moderate

Bad

Very Bad

1. From 0 to 5, how would you rate the illegal fishing?

|  |  |  |
| --- | --- | --- |
|  | By people from the community | By people from outside the community |
| Inside the NTZs |  |  |
| Outside the NTZs |  |  |

1. After the implementation of the reserve, has government enforcement:

\_\_ Increased

\_\_ Stayed the same

\_\_ Decreased

1. Enforcement works better when the government participates.

\_\_ Strongly agree

\_\_ Agree

\_\_ Not sure

\_\_ Disagree

\_\_ Strongly disagree

1. Enforcement works better when the community participates.

\_\_ Strongly agree

\_\_ Agree

\_\_ Not sure

\_\_ Disagree

\_\_ Strongly disagree

1. Who is responsible for the enforcement of the no-take zones and nearby managed areas? Circle all that apply.

Community

Cooperative

Non-Governmental Organizations

Hired firms

Academics

Government Agencies. Please specify:

Other. Please specify:

1. Does your organization have rules about when, how or where to fish, that does not comes from CONAPESCA or other government agencies?

Yes

No

1. How is the enforcement done? Circle all that apply

Sighting from land

Patrol boats

VMS (Vessel Monitoring System)

Other: Please specify.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Before/at the implementation | Nowadays | Reason |
| 1. Number of people in the community? |  |  |  |
| 1. Number of fishers in the community? |  |  |  |
| 1. Number of fishers outside the community accessing local fisheries? |  |  |  |
| 1. How would you rate the level of alternative economic opportunities?   Very High  High  Moderate  Restricted  Low  Null |  |  |  |
| 1. What is the level of illegal fishing in the region?   Very High  High  Moderate  Restricted  Low  Null |  |  |  |

**SECTION 5**

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| *The following questions are about your relation with fisheries.* |

1. What is your type of access to the fishery? What are the advantages or disadvantages of working this way?

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| --- | --- | --- |
| Access | Advantages | Disadvantages |
| Member of a cooperative with permit  Member of a cooperative with no permit  Have your own permit  Uses someone’s permit  Work without a permit  Other |  |  |

1. Answer the following questions: (Similar to the one about illegal fishing?)

|  |  |
| --- | --- |
| I fish inside the NTZs | \_\_Never  \_\_Sometimes  \_\_Always |
| Other fishers from the community fish inside the NTZs | \_\_Never  \_\_Sometimes  \_\_Always |
| Fishers from nearby communities fish inside the NTZs | \_\_Never  \_\_Sometimes  \_\_Always |

**SECTION 6**

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| *The following questions are about your perception of the reserves.* |

1. What does the community think about the implementation of the no-take reserve with respect to...
   1. The environment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Indicator** | **Improved** | **Stable** | **Worsened** | **Reason for change** |
| Species richness |  |  |  |  |
| Fish length |  |  |  |  |
| Density |  |  |  |  |
| Biomass |  |  |  |  |
| Higher abundance of predators |  |  |  |  |

* 1. The communities’ economy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Indicator** | **Improved** | **Stable** | **Worsened** | **Reason for change** |
| Total landings |  |  |  |  |
| Managed species landings |  |  |  |  |
| Fisheries revenue |  |  |  |  |
| Alternative economic activities |  |  |  |  |

* 1. Local governance and management

Improved

Stayed the same

Worsened

1. In your opinion, does the community improved, worsened or stayed the same after the reserve implementation?

Improved

Stayed the same

Worsened

1. Do you think the no-take zone is effective?

Yes

No

1. During the next review/evaluation of these reserves close to your community, what do you think should happen to it: be eliminated, modified or stay the same?

|  |  |  |  |
| --- | --- | --- | --- |
| Zone | Action | Why | How |
|  | \_\_ Eliminate  \_\_ Keep the same  \_\_ Modify |  |  |
|  | \_\_ Eliminate  \_\_ Keep the same  \_\_ Modify |  |  |
|  | \_\_ Eliminate  \_\_ Keep the same  \_\_ Modify |  |  |
|  | \_\_ Eliminate  \_\_ Keep the same  \_\_ Modify |  |  |
|  | \_\_ Eliminate  \_\_ Keep the same  \_\_ Modify |  |  |

Would like to add any comment?