**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: \_\_\_\_**

**Occupation:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Level of education Diver**

\_\_No educación formal \_\_Yes

\_\_Escuela primaria \_\_No

\_\_Escuela secundaria

\_\_Preparatoria

\_\_Bachillerato

\_\_Otro

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

**How often do you work? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*If the interviewee is a leader of the fishing community, proceed with the survey in Section 2; if the interviewee is a regular fisher/diver, jump to Section 3*

**SECTION 2**

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| *The following questions should be answered only by leaders of fishing community.* |

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?

|  |  |  |
| --- | --- | --- |
| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Other. Please specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Management** | **Monitoring** | **Enforcement** |
| **Community** |  |  |  |
| **Fishing Community** |  |  |  |
| **Cooperative** |  |  |  |
| **Non-Governmental Organizations:** |  |  |  |
| **Contracted companies** |  |  |  |
| **Academics** |  |  |  |
| **Government Agencies** |  |  |  |
| **Other. Please specify:** |  |  |  |
| **Who else should participate in these processes?** |  |  |  |

1. Are the no-take zones legally recognized by the government?

\_\_ Yes

\_\_ No

* 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 start the process yet, are they willing to do it?

1. Is there a document or guide that explicitly presents the information about the management of the non-fishing zone?

\_\_ Yes

\_\_ No

\_\_ I don’t know

1. How are the local fisheries managed? Select all that apply.

\_\_ TURF: ­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Permits: ­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Quotas (whole fishery): ­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Individual Quota: ­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Open Access: ­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Other. Please specify: ­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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. How is the enforcement done? Select all that apply

\_\_ Sighting from land

\_\_ Patrol boats

\_\_ VMS (Vessel Monitoring System)

\_\_ 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

\_\_ I don’t know

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Before/at the implementation** | **Nowadays** | **Reason** |
| 1. Number of fishers in the community |  |  |  |

1. What is type of access do you have to the fishery?

\_\_ 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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SECTION 3**

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| *If the interviewee is just a Fisher or other person involved with fisheries (e.g. fish buyer or seller), then the survey should start here.* |

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

\_\_ Community

\_\_ Fishing Community

\_\_ Cooperative

\_\_ Non-Governmental Organizations: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Academics

\_\_ Government Agencies.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ Others. Please, specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**13.1** Do you thinks someone else should be involved in the decision making process? Who else should participate in these processes?

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 illegal gear, effort, area) inside your fishing area? 0=low, 5=high

|  |  |  |
| --- | --- | --- |
|  | **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 fishing group participates.

\_\_ Strongly agree

\_\_ Agree

\_\_ Not sure

\_\_ Disagree

\_\_ Strongly disagree

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Before/at the implementation** | **Nowadays** | **Reason** |
| 1. How would you rate the level of alternative economic opportunities? | \_\_ Very High  \_\_ High  \_\_ Moderate  \_\_ Restricted  \_\_ Low  \_\_ Null | \_\_ 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 | \_\_ Very High  \_\_ High  \_\_ Moderate  \_\_ Restricted  \_\_ Low  \_\_ Null |  |

1. How would you answer the following questions?

|  |  |
| --- | --- |
| 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 |

1. What do you 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. What is the general impact of the reserves in the community?

\_\_ Positive

\_\_ None

\_\_ Negative

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

\_\_ Yes

\_\_ No

\_\_ I don’t know

1. Do you think reserves should 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 |  |  |

1. Would like to add any comment?