**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. |

**Name of the community: Date:**

**Interviewee: Title/Occupation:**

**Interviewer:**

**SECTION 1**

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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? Circle all that apply.

Cooperative

Association

Union

Other. Please specify:

1. How many no take zones are there in the region where you (or others from your group) fish?
2. When were each of the no-take zones implemented?
3. What is the area of each of the no-take zones?
4. 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. How was the location of the no-take zone chosen?
2. 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. 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: |  |  |  |

1. What is the setup of the reserve?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Reserve | Reserva Voluntaria | Refugio Pesquero | | | | Zona núcleo |
| Total Permanent | Total Temporary | Partial Permanent | Partial Temporary |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

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 2**

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

1. Does the reserves have a management plan?
2. How many target species are intended to be managed by the reserve?
3. What type of species are intended to be managed by the reserve? Circle all that apply.

Fish Pelagic

Crustacea Benthic

Mollusc Demersal

Algae

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 3**

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

1. What do you think is the level of illegal harvest in the no-take zone or the nearby managed (TURF, Quota, Permits, etc.) area ?

Very high

High

Moderate

Low

Null

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? Circle all that apply

Sighting from land

Patrol boats

VMS (Vessel Monitoring System)

Other: Please specify.

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| --- | --- | --- |
|  | Before/at the implementation | Nowadays |
| 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 number of alternative economic opportunities?   Very High  High  Moderate  Restricted  Low  Null |  |  |

**SECTION 4**

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

Would like to add any comment?