

Mexico Guaymas finfish - handline

Overview

FIP Description

The marine finfish fishery is important in the northwest of Mexico, particularly within the Gulf of California, in zones such as Guaymas, Sonora. Artisanal fishery uses different fishing gear such as handline, purse seine, and gillnets. In Guaymas, Sonora, the fishery was initially developed using traditional artisanal methods such as handline (hook and line) since it was the favorite gear for the capture of the species. This gear is one of their principal strengths of the finfish fishery in Guaymas since the handline has been demonstrated to be one of the most selective fishing gears, with a high survival success following release.

The main catches of the region corresponding to sardines, with industrial fishing, and shrimp, with industrial and artisanal fishing. Artisanal fishermen in this region do not have a single target species, but alternate between different species based on their possibilities and market demand (Yurkievich and Sánchez, 2016). The main species caught by fishermen who use the handline as fishing gear in Guaymas are Yellowtail (*Seriola lalandi*), red snapper (*Lutjanus peru*), Goldspotted sand bass (*Paralabrax auroguttatus*), ocean whitefish (*Calolatilus princeps*), and Rooster hind (*Hyporthodus acanthistius*). Commercial harvest for these group of fishes is conducted in small vessels using different fishing gears, from hook and lines with live bait (sardine and mackerel), drift gillnets, trawling and encircling gillnets in open seas and areas near the coast.

Unfortunately, there is a lack of biological and fishery information for this fishery in Mexico. In the National Fishery Chart (INAPESCA, 2010) the above-mentioned species are classified as coastal finfish. This group is composed of a large diversity of species, with different life cycles, including those that inhabit the coast and lagoons up to the border of the external continental shelf which can reach near 200 meters depth. This group is managed without short and long-term species-specific objectives.

It is for the above that, in Guaymas, Sonora, finfish fishermen who use handline for the extraction of these species were interested in developing their practices under the characteristics of sustainable fishing. For this, they approached Comunidad y Biodiversidad, A. C. (COBI) to achieve international fisheries sustainability standards.

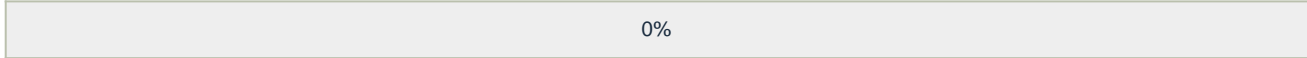
This FIP is going to Comprehensive (2020-2024).

How is this FIP Doing?

Current Status:



Actions Progress This shows the proportion of actions in the workplan that the FIP has completed.



Actions Overview This shows the proportion of actions that are behind schedule, on track, completed, or not yet started.

Behind	On Track	Complete	Future
0%	100%	0%	0%

Red Indicator Progress This shows the proportion of actions specifically addressing red indicators that are behind schedule, on track, completed, or not yet started. This helps users understand the progress the FIP is making on the biggest challenges in the fishery.

Behind	On Track	Complete	Future
0%	100%	0%	0%

FIP Progress Rating



FIP Objective(s)

General objective:

Generate biological and population information of Yellowtail (*Seriola lalandi*), red snapper (*Lutjanus peru*), Goldspotted sand bass (*Paralabrax auroguttatus*), ocean whitefish (*Caulolatilus princeps*) and Rooster hind (*Hyporthodus acanthistius*) to propose management strategies to transform the management of artisanal handline fishery in Guaymas, Sonora, through the implementation of all 28 indicators of the sustainable fishing standard MSC, and achieve certification of this fishery by 2024.

Specific FIP objectives:

? Generate basic information of the fishery through the monitoring of fishing logbooks (January-December, 2020-2024).

? Generate information on the population of the five species of the FIP (stock assessment, ECOPAT analysis, mobility) (January 2020-December 2021).

? Define reference points for the yellowtail, red snapper, ocean whitefish, golden sand bass and rooster hind

fishery.

? Assess the ecosystem's fishery's impacts.

? Promote the development of regulations of specific harvest strategies in the species of the finfish fishery (January 2020- December 2024).

? Design and promote a monitor compliance system in the fishing cooperative (October 2022-December 2024)

FIP Type

Comprehensive

FIP Stage

Stage 5: Improvements on the Water

Start and Projected End Dates

January, 2017 -
December, 2024

Species

Common Name

Yellowtail Amberjack

Scientific Name

Seriola lalandi

Common Name

Red Snapper

Scientific Name

Lutjanus peru

Common Name

Goldspotted Sand Bass

Scientific Name

Paralabrax auroguttatus

Common Name

Ocean Whitefish

Scientific Name

Caulolatilus princeps

Common Name

Gulf Grouper

Scientific Name

Hyporthodus acanthistius

Gear Type

[Handline](#)

Location**FAO Major Fishing Area**

[Area 77 \(Pacific, Eastern Central\)](#)

Exclusive Economic Zones**Country**

Mexico

Geographic Scope

Gulf of California

Estimated Total FIP Landings

30 metric tons

FIP Leads

Organization Name

Comunidad y Biodiversidad, A.C.

Organization Type

NGO

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