

Ecuador Gulf of Guayaquil titi shrimp - bottom trawl (CNP)

Overview

FIP Description

Titi shrimp (*Protrachypene precipua*) is a tropical species that inhabits the Eastern Pacific Ocean from Nicaragua to Ecuador. Titi shrimp distribution in Ecuador, particularly in the Gulf of Guayaquil, varies depending on the season with a considerable migration in different stages of its lifecycle through the estuaries and surrounding waters.

The industrial titi shrimp fishery in Ecuador started in the 1960s in the Gulf of Guayaquil using bottom-trawl nets. Since then, the titi shrimp fishery has supported the livelihoods of thousands of Ecuadorians that participate in different parts of the supply chain, including fishing, processing and export. The industrial fleet reached the maximum number of vessels in 1980 with 74. Since then, the fleet has diminished to reach the current effort with 39 authorized vessels.

According to the National Fisheries Institute, the landings of titi shrimp averaged 6.5 thousand metric tons per year in the 2007-2019 period with a minimum of 5.9 thousand in 2007 and a maximum of 7 thousand tons registered in 2010. It is estimated that the industrial titi shrimp fishery generates an annual income of 4.5-5 million dollars and operative revenues of 1 million for the fleet thanks to the export to USA and EU markets of 75% of the landings.

Since 2000, The industrial fishery has some management measures including a closed season, a geographic division for the authorized fleets, a daily allowed capture and the mandatory use of Turtle Excluder Devices (TED). The industrial fishery is also monitored through a Vessel Monitoring System and a network of fisheries inspectors deployed in the main landing ports. Additionally, the National Fisheries Institute keeps fishery-related historic data and, since 2013, the fleet participates in an onboard observers' program.

Despite its economic importance, there is not enough information available related to the species biology or the fishery in general (e.g. not all the fishing mortality is well known). In addition, the current management scheme lacks of several elements that could benefit the target species and the environment. Finally, a combination of weak international markets and the increasing producing costs, difficult the design and implementation of a harvest strategy and the correspondent control rules aimed at recovering the stocks to sustainable levels, mitigating the fishery environmental impacts and satisfying the increasing demands for social and environmental

responsibility in the markets.

How is this FIP Doing?

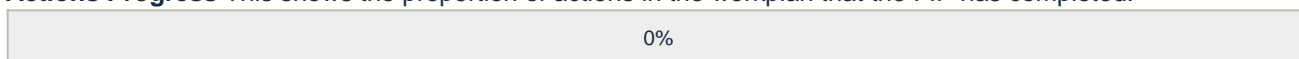
Current Status:



% of Indicators Tracked Basic FIPs may focus their workplans on a subset of the indicators. This shows the proportion of total indicators the FIP is working on.



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
50%	50%	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
56%	44%	0%	0%

FIP Progress Rating



FIP Objective(s)

FIP Goal:

The goal of the Ecuador titi shrimp – bottom trawl FIP is to strengthen the harvest strategy, related harvest control rules and the management system to reach, for June 2028, a minimum score of 60-79 for all the principles performance indicators for the MSC Standard selected in the workplan.

Project outcomes for 2028 are:

1. At least 80% of the industrial titi shrimp fishery is monitored through a data collection system to report

target species production, catch composition, and interactions with ETP species and seabed. January 2028

2. Fishery stakeholders periodically know the status of the titi shrimp stock. June 2028
3. Fishery impacts on other species, ETP species, and habitats are evaluated, and measures to minimize them are recommended. June 2028
4. The Ecuador titi shrimp fishery has a management plan developed by a participatory, inclusive, and transparent governance mechanism. September 2025
5. Illegal, unreported, and unregulated (IUU) titi shrimp fishing in Ecuador is significantly reduced. November 2027

FIP Type

Basic

FIP Stage

Stage 4: Improvements in Fishing Practices or Fishery Management

Start and Projected End Dates

June, 2020 -

June, 2028

Species

Common Name

Titi Shrimp

Scientific Name

Protrachypene precipua

Gear Type

[Bottom Trawl](#)

Location

FAO Major Fishing Area

[Area 87 \(Pacific, Southeast\)](#)

Exclusive Economic Zones

Country

Ecuador

Geographic Scope

Gulf of Guayaquil, Ecuador

Country Flag of Vessel

Ecuador

Estimated Total FIP Landings

6000 metric tons

FIP Leads

Organization Name

Cámara Nacional de Pesquería

Organization Type

Industry

Primary Contact

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