

Mexico Baja California Sur blue and brown
shrimp – bottom trawl/cast net]
Fishery Improvement Project (FIP)

**Action 3. Evaluate the impact of fishery on
the habitat and on the ecosystem.**

One Year Progress Report

October 2024

Task 1. Gather the essential data for evaluating the impact on both the habitat and ecosystem.

The first task for this activity is to gather essential information, primarily focusing on the spatial abundance of both shrimp species. Next, using surveys and catch logs, we will collect data on the traditional fishing areas used by local fishermen.

Once these zones are identified, based on the collected data and historical information from IMIPAS, we will map the fishing areas. This mapping will help us identify the types of habitats being impacted.

As for evaluating the ecosystem impact, this will be connected to the results of Activity 2 in the work plan. After completing the survival and mortality analysis, we will incorporate all relevant variables, including target species, byproduct and bycatch species, threatened, endangered, and protected species (ETPS), as well as habitats and ecological communities. The ecosystem assessment will be conducted through a Scale Intensity Consequence Analysis.

Evidences.

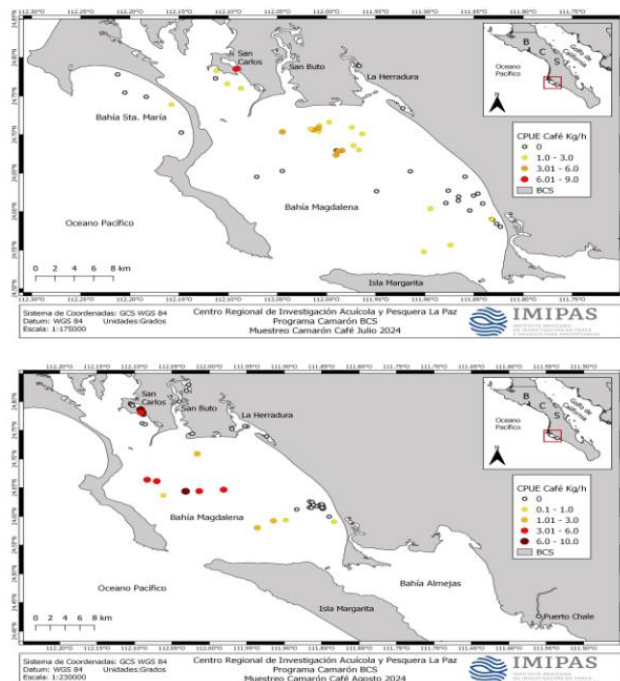


Figure 1. Spatial and bathymetric distribution of relative abundance (kg/h) of brown shrimp (*P. californiensis*) during July and August in Bahía Magdalena - Almejas, B.C.S. (taken from IMIPAS).

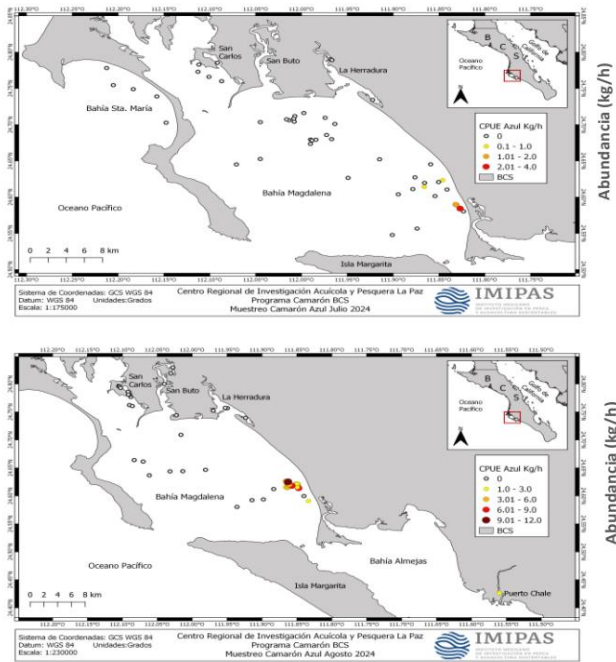


Figure 2. Spatial and bathymetric distribution of relative abundance (kg/h) of blue shrimp (*P. stylirostris*) during July and August in Bahía Magdalena - Almejas, B.C.S. (taken from IMIPAS).



Figure 3. Interviews with fishermen to identify the area where they caught shrimp in Bahía Magdalena, B.C.S.