

**Mexican Gulf of California Brown Shrimp - trawl  
Fishery Improvement Project (FIP)**

**Six-Month Progress Report  
August – 2024**

**Action 1. Review the stock  
status, current harvest  
control rules, and harvest  
strategy.**

**Action Goal:** An inter-institutional group works closely together to evaluate the status of the stock, harvest control rules, and strategies.

**Progress Description:**

In mid-March of this year, the first inter-institutional meeting took place, featuring Dr. Francisco Arreguín, a renowned fisheries researcher and academic; Dr. Juan Antonio García Borbón, Head of the IMIPAS Shrimp Project in Baja California Sur; and Victor Vargas, a fisheries scientist and consultant. During the meeting, they agreed to collaborate on a peer-reviewed scientific article about the stock's status and to identify potential contributions to resource management by suggesting methodologies to evaluate management strategies and their control rules. Work is currently underway to analyze fishery-dependent and fishery-independent information.

**Evidences:**

1. Attendance list and minutes of agreements of the 1st inter-institutional meeting



1st Intersintitutional Meeting

La Paz, Baja California Sur, México – 03/11/2024

Objective: This meeting aims to review the stock status, current harvest control rules, and harvest strategy and improve them in collaboration with an interinstitutional team.

Meeting Bullets:

- Create a scientific publication focusing on the assessment of brown shrimp and blue shrimp stocks in the region.
- Explore the current status of the fishery and pinpoint potential contributions to resource management by analyzing the life history of the species.
- Suggest methodologies, built upon existing model assumptions, to assess alternative approaches.
- Distinguish between environmental factors and fishing impacts on stock levels.
- Assess the recruitment/survival ratio to establish the replacement level as a reference point.
- Discuss the theory of basal recruitment in organisms with short life cycles.
- Contribute publicly to enhancing fisheries management and decision-making processes.

Name	Institution	Signature
Francisco Arreguín Sánchez, Ph.D.	Centro Interdisciplinario de Ciencias Marinas – Instituto Politécnico Nacional CICIMAR-IPN	
Juan Antonio García Borbón, Ph. D.	Instituto Mexicano de Investigación en Pesca y Acuicultura Sustentables IMIPAS (formerly known as INAPESCA)	
Victor Vargas López, Ph.D.	Independent Fisheries Consultant	