**Yellowleg shrimp**

**Bahía Magdalena Western Baja**

**Fishery Profile**

[https://www.fishsource.org/fishery_page/3443](https://www.fishsource.org/fishery_page/3443)

This profile last updated on 4 February 2019

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**IDENTIFICATION**

- **Scientific Name:** Penaeus californiensis
- **Species Names(s):**
  - Yellowleg shrimp, Camarón café, Camarón patiamarillo
- **Common Names:**
  - Camarón café (Spanish)
- **Stock Identification:**
  - The genetic structure of Yellowleg shrimp (Penaeus californiensis) in the Eastern Pacific is not fully understood. De la Rosa-Vélez et al. (2000) identified an upper Gulf of California population for this species. INAPESCA defined several assessment units for shrimps in the Gulf of California and Pacific coast, among these: Upper Gulf of California, Sonora, Sinaloa-Nayarit, and western Baja California Sur including the Bahía Magdalena complex (INAPESCA, 2012).

**ASSESSMENT**

**Strengths**

- Shrimp species captures in the Mexican Pacific are short-lived species, with high fecundity and highly resilient to fishing mortality.
- The fishery is regulated by a Mexican Official Standard since 1993 which has been updated in 2013.
- Relative abundance indices for this stock are provided in a regular basis.
- Turtle excluder devices and Bycatch reduction devices are mandatory for all industrial vessels.
- It has been observed an effort to improve the compliance and documents in place and policy changes for increase transparency.

**Weaknesses**

- A Total Allowable Catch system is not in place yet.
- A management plan was developed for the shrimps of the Gulf of California but it was not formally implemented yet.
- Impact of the fishery on ETP species, habitats and ecosystems is unknown.
- Relative abundance has dropped in 2017 and it is close to long-term record low values (2001-2017).

**Options**

- Develop useful reference points and harvest control rules, taking into account regularly available scientific indicators (e.g. CPUE limit, target, egg-bearing female proportion reference points, etc.) if stock assessments will not likely be feasible in a regular basis.

**SCORES**

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<th>Management Quality:</th>
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<td>Management Strategy</td>
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<th>Stock Health:</th>
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<td>Current Health</td>
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**FIPS**

- Mexico Baja California Sur yellowleg and blue shrimp – bottom trawl/cast net: Stage 4, Progress Rating C, Type: Fip, Evaluation Start Date: 1 Mar 2012

**MSC**

- No related MSC fisheries

**RECOMMENDATIONS**

**RETAILERS & SUPPLY CHAIN**

- Encourage the National Commission for Aquaculture and Fisheries (CONAPESCA) for finalise and publish the fishery management plan.
- Ensure that producers adapt the fishing gear to bring it into compliance with the legal requirements (reiterated in the Mexican Official Standard, NOM-002-SAG-PESC-2013, in July 2013).
- Implement a continuous verification and inspection campaign to enforce the use of the federally approved fishing gear.
- Request that exporters implement a system to verify that the landings acquired are from a licensed vessel that is using the required fishing gear and is registered according to the regulations.