





Northern white shrimp Northern Gulf of Mexico

 Fishery:  Northern Gulf of Mexico  Alabama  United States  Pushed butterfly nets

IDENTIFICATION

SCIENTIFIC NAME

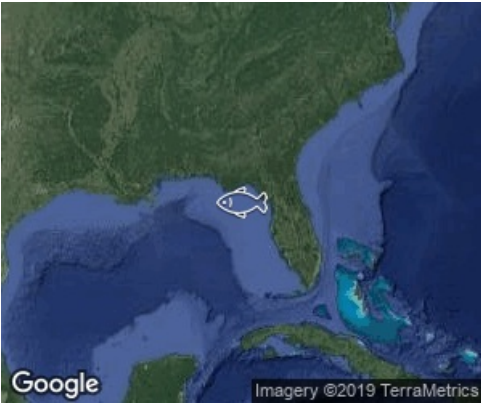
Penaeus setiferus

SPECIES NAME(S)

Northern white shrimp

STOCK IDENTIFICATION

Considering samples from North Carolina (USA) to Campeche (Mexico) there is some evidence of genetic separation of a population of northern white shrimp on NW Atlantic (U.S. Atlantic coast) from a population in the Gulf of Mexico (Ball & Chapman, 2003). US stocks are assessed at federal level and management measures can be defined at federal and/or stadual levels: Northern Gulf of Mexico and [NW Atlantic](#). A distinct assessment unit exists in [Campeche Bank](#) (Ramos-Miranda et al., 2009).



RELATED LINKS:

- [Alabama Department of Conservation and Natural Resources \(DCNR\)](#)

ASSESSMENT

Strengths

Once an overcapitalized fishery, shrimp fishing effort in the US Gulf of Mexico has considerably declined since the early 2000s. Current fishing mortality estimates are far below the overfishing limit; spawning biomass is at high levels and well above the limit that defines an overfished condition. Measures to reduce the bycatch of juvenile red snapper led to the mandated use of better performing bycatch reduction devices (BRDs) in federal waters. NOAA has implemented a fleet-wide turtle excluder device (TED) performance standards that requires an 88% TED effectiveness rate, which is monitored through tri-annual reviews of inspection records. The US shrimp fleet has improved TED compliance, meeting this performance standard during every 4-month monitoring period since mid-2014. In addition, Louisiana has repealed the law specifically banning state law enforcement officers from enforcing federal turtle excluder device regulations.

Weaknesses

The current observer coverage in the fishery is not sufficient to adequately quantify and characterize bycatch across the entire fishery. Even with better performing bycatch reduction devices in place, there are 2.5 pounds discards for every 1 pound of harvested shrimp (a vast improvement from the baseline, but still high). There are limited data on the benthic impacts of shrimp trawling in the Gulf of Mexico (though most of the trawling does take place over resilient muddy and sandy bottoms).

Despite the mandatory use of BRDs in Federal waters, BRDs are not required in Alabama state waters.

SCORES

Management Quality:

Management Strategy	Managers Compliance	Fishers Compliance
≥ 8	≥ 8	< 6 to ≥ 8

Stock Health:

Current Health	Future Health
≥ 8	≥ 8

FIPS

No related FIPs

MSC

No related MSC fisheries