

Commercial White Shrimp Fishing in the Gulf of Mexico States

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Economic Contribution of White Shrimp Commercial Fishing

Economic impact analysis shows the economic contribution an industry makes locally, region-wide, nation-wide, or globally. This economic information is crucial in making private investment decisions, formulating government policy, and developing research and extension programs for the industry. The IMPLAN (<http://implan.com/>) software and the 2013 input-output data for the five Gulf States were used to estimate the economic contribution of white shrimp commercial fishing to the Gulf of Mexico regional economy in 2015. The economic impact analysis used sector 17 or commercial fishing of the 2013 IMPLAN input-output data.

The annual commercial landing values of wild American white shrimp in the Gulf of Mexico Region in 2015 reached \$153.7 million, which is about 75.3% of the average annual landing values during the last five years. The total economic contribution of commercial shrimping in 2015 amounted to \$291.7 million (Figure 1). Commercial shrimping created 4,114 jobs and generated labor income amounting to \$104.1 million in the Gulf regional economy.

Economic contribution of brown shrimp commercial fishing in the Gulf of Mexico Region				
Impact Type	Employment (Jobs)	Labor Income (\$M)	Total Value Added (\$M)	Output (\$M)
Direct Effect	3,352	64.2	78.8	153.7
Indirect Effect	249	16.1	31.4	67.1
Induced Effect	513	23.8	43.3	70.9
Total Effect	4,114	104.1	153.5	291.7

Figure 1. Total economic impact includes direct, indirect and induced effects estimated by using 2015 annual landing values and 2013 IMPLAN data. The local purchases percentage was set to 100%. The number of jobs is rounded off.

The white shrimp commercial fishing industry generates annual tax revenues for the Gulf States and the U.S. federal government. A total of \$17.8 million were estimated to have been paid by households and businesses in 2015 to the federal government as social insurance tax, tax on production and imports, corporate profit tax, and personal income tax. The Gulf States were expected to have collected taxes from

households and businesses in 2015 amounting to \$8.7 million as social insurance tax, tax on production and imports, corporate profits tax, and personal tax.

White Shrimp Commercial Landings

According to Gulf FINFO (<http://gulffishinfo.org/>), white shrimp (Figure 2) “are found off the Atlantic Coast as far north as Fire Island, New York, to St. Lucie Inlet on the Atlantic Coast of Florida, and from the Ochlocknee River on the Gulf Coast of Florida to Campeche, Mexico. In the Gulf, there are two centers of abundance: one along the Louisiana-upper Texas coast and one in the Campeche area of Mexico. Young white shrimp inhabit estuaries with muddy bottoms and low to moderate salinity from early summer to fall. They move offshore to spawn in the fall, as they grow large enough and cooling temperatures trigger their migration.”

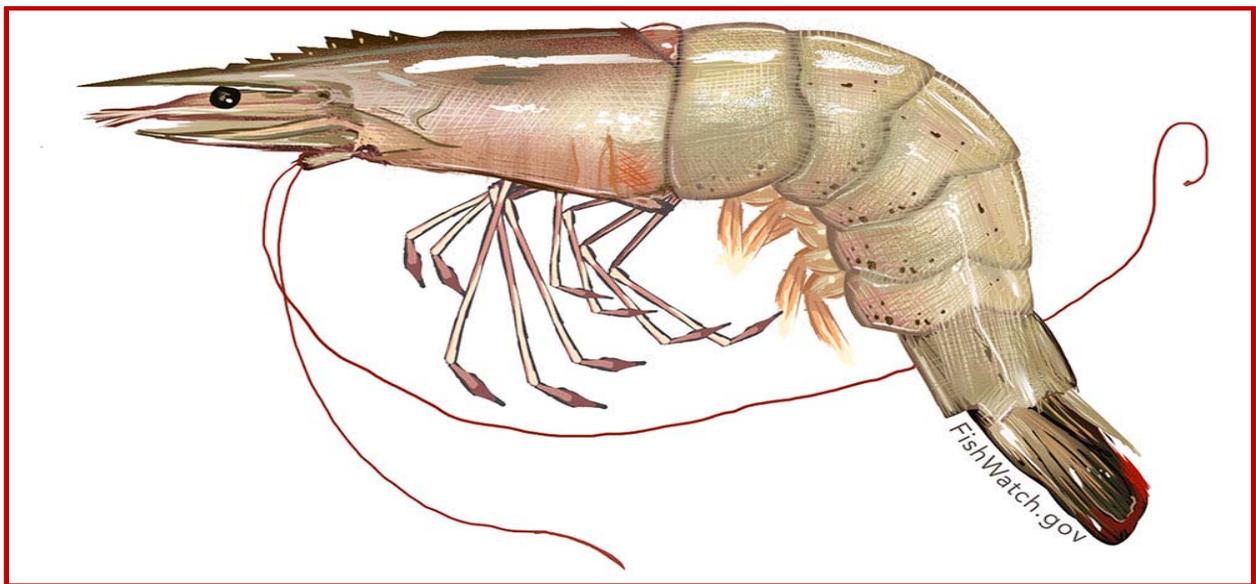


Figure 2. White shrimp (*Litopenaeus Setiferus*) “grow fast, mature in their first year of life, and reproduce quickly and abundantly. They have a short lifespan; most shrimp die after they spawn and do not survive longer than a year, essentially making them an “annual crop.” These unique biological characteristics make them more resilient to fishing pressure”. Source: Gulf FINFO (<http://gulffishinfo.org/>).

Figure 3 shows the commercial landings of white shrimp from the Gulf of Mexico Region since 1990. During the last five years, the Gulf States supplied 94.3% of the wild American white shrimp amounting to 91.3 million pounds and valued at \$204.2 million per year. Louisiana is the largest producing state of wild American white shrimp in the Gulf of Mexico, followed by Texas, Alabama, Mississippi, and Florida.

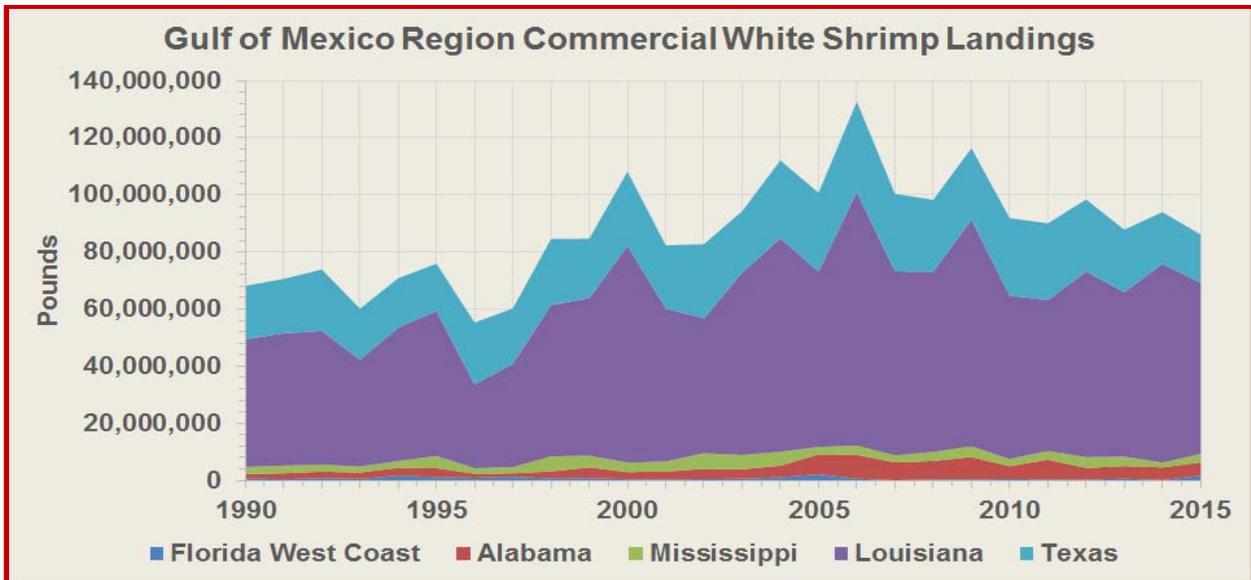


Figure 3. Annual white shrimp commercial landings in the Gulf of Mexico Region by Producing State. Source of raw data: NOAA Fisheries (<http://www.st.nmfs.noaa.gov/>).

Shrimp Businesses Registered in MarketMaker

In 2015, the Gulf-wide commercial landings of white shrimp reached about 86.1 million pounds. This shrimp species was caught year-round with most of the landings occurring from August to December (Figure 4). There are more than 3,300 fishing businesses, processing plants, seafood and fish markets, and seafood restaurants registered in MarketMaker which harvest, process, sell, and serve shrimp in the United States. Click this [LINK](#) to view the search results online.

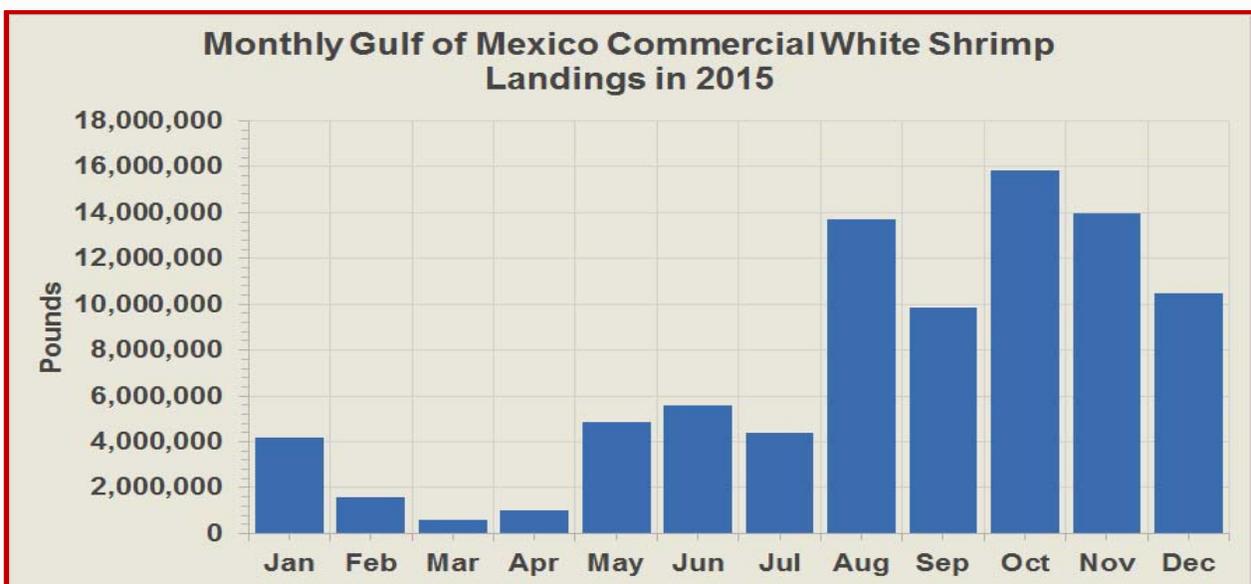


Figure 4. Monthly wild American white shrimp commercial landings in the Gulf of Mexico Region. Source of raw data: NOAA Fisheries (<http://www.st.nmfs.noaa.gov/>).

FREQUENTLY ASKED QUESTIONS

What is MarketMaker?

MarketMaker is the largest and most in-depth database of its kind featuring a diverse community of food-related businesses: buyers, farmers/ranchers, fisheries, farmers markets, processors/packers, wineries, restaurants and more. **MarketMaker** provides simple yet powerful search tools to connect with others across the production and distribution chain (<http://ms.foodmarketmaker.com/>).

Where can you find Mississippi MarketMaker?

MarketMaker is located at <http://ms.foodmarketmaker.com/>.

Ask Siri or Cortana to search for “Mississippi MarketMaker” on your smart phone.

How do you register your food business in Mississippi MarketMaker?

Click **Register** and type your email address and a password in the spaces under **Register**. Be prepared to enter information (and pictures) about your business.

What are the benefits in registering your food business in Mississippi MarketMaker?

Producers register their businesses in **MarketMaker** because food buyers of all types access our database to find products and services to meet their specific needs. Through **MarketMaker**, producers can reach more buyers and more efficiently form profitable business alliances.

How do you search for your business profile in Mississippi MarketMaker?

Click **Search** and type the name of your business in the space under **Search MarketMaker**.

How do you update your business profile in Mississippi MarketMaker?

Click **Register** and then click **UPDATE YOUR PROFILE**. Type your email address and password in the spaces under **Account Login**. Be prepared to enter updated information (and pictures) about your business.

MarketMaker Training Workshops

This training workshop is available upon request by a group of 6-12 producers, extension agents, state regulatory agencies staff and teachers. Each workshop will best fit the needs of the participants. Email Dr. Ben Posadas for details at ben.posadas@msstate.edu.

How do you search for local food businesses in Mississippi MarketMaker?

Click **Search** and type a keyword in the space under **Search MarketMaker**.

What is the Market Research tool of MarketMaker?

The MarketMaker research tool is an interactive mapping resource for identifying target markets, developing customized census profiles, and mapping food related businesses over demographic maps.

Where do you find the Market Research tool in MarketMaker?

Look for the **Market Research** section in MarketMaker and click **Research your market now** or **Use previous version**.