

Commercial Black Drum Fishing in the Gulf of Mexico States

Black drum (*Pogonias cromis*) are common across the Gulf of Mexico from Florida to Texas. They inhabit estuarine waters to nearshore offshore waters and prefer to reside in areas with mud, sand, and shell bottoms (e.g., oyster reefs). Small black drum (generally less than 15 lbs) exhibit 4 to 5 vertical black bars on a primarily silver/gray body, but these bars fade as the fish age. All black drum have whiskers (termed ‘barbels’) located under their chin. Small black drum (approximately 1 – 10 lbs) are referred to as “puppy drum.” Black drum commonly grow to approximately 40 lbs (although they occasionally grow even larger); these large individuals are called “bull drum.” Black drum are long-lived fish; most age and growth studies indicate a maximum age of >40 years.

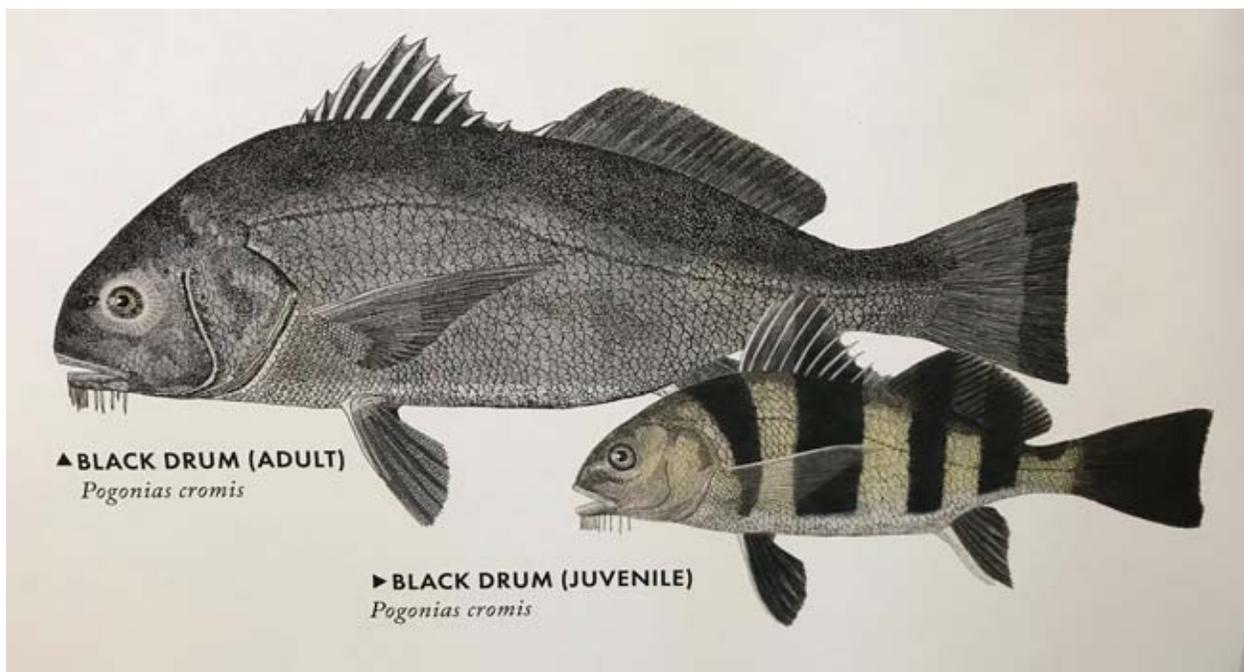


Figure 1. Black drum (*Pogonias cromis*). Illustration by Joe Jewell. Mississippi Saltwater Fish. Mississippi Department of Marine Resources, Biloxi, MS.

Young black drum (less than approximately 8 inches in length) feed mostly on worms and fish, while adults feed primarily on mollusks. Black drum have large teeth in their throat for crushing oyster, clam, and mussel shells. They use their barbels to find these food items by sense of touch, and then inhale

and crush the prey. They feed during daylight and at night, and often dredge up the bottom while feeding, which creates a muddy plume.

Mature black drum form large schools prior to spawning season (January – April). The female black drum can produce 11 – 60 million eggs during spawning season. Spawning occurs in or near passes and channels, between 10 and 165 feet, in the early evening just after sunset. Spawning peaks tend to occur at new and full moon phases. Eggs are carried to sea, and after they hatch, the larval black drum travel back to estuaries where they grow into juveniles and then adults.

Reference: <https://www.seagrantfish.lsu.edu/biological/drum/blackdrum.htm>

Recipe for Delmonico's Pan Sautéed Drum Meuniere



Figure 2. This recipe is courtesy of emerils.com. For ingredients and cooking instructions, please visit <http://emerils.com/128912/delmonico%E2%80%99s-pan-saut%C3%A9ed-drum-meuniere>. Last visited: August 14, 2018.

Commercial Landings

The long-term annual commercial black drum landings in the Gulf of Mexico states are shown in Fig. 3. Since 2011, the Gulf supplied 96% of the total black drum domestic landings averaging 5.8 million pounds and valued at \$5.3 million annually. Louisiana and Texas were the most significant suppliers averaging 64% and 30% of the total domestic landings, respectively. Dockside prices of black drum averaged about \$0.91 per pound during the past six years (Fig. 4).

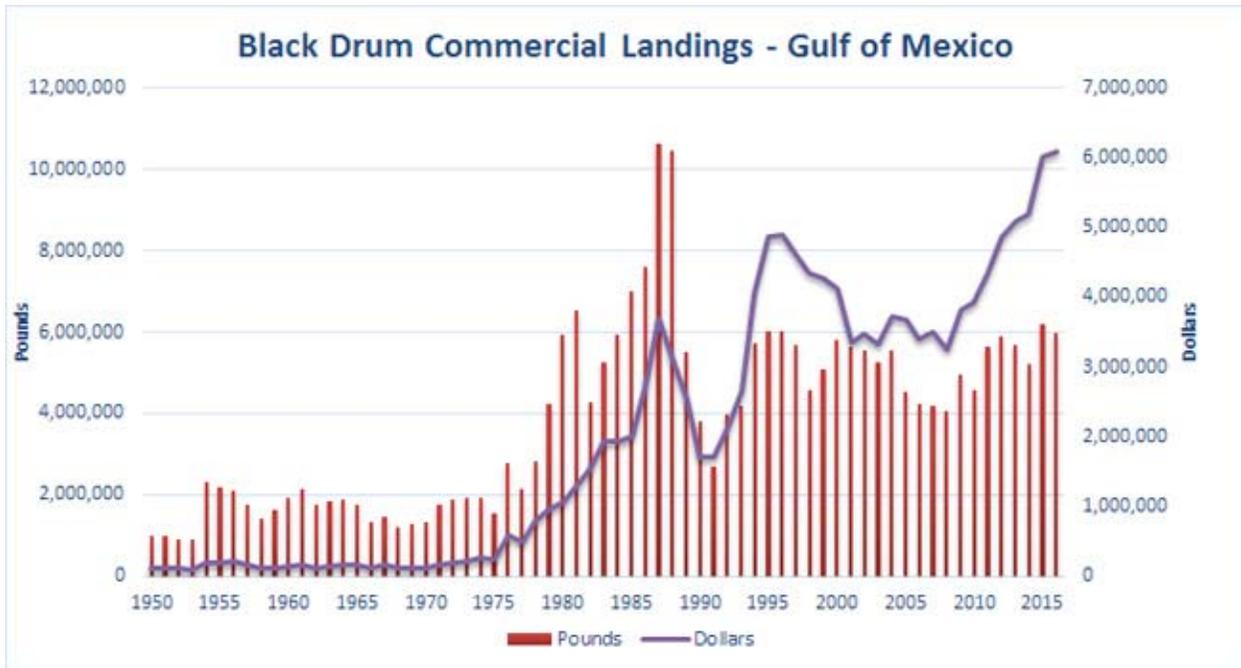


Figure 3. The primary vertical axis shows the yearly commercial landings in pounds while the secondary vertical axis indicates the annual commercial dockside values in dollars. Source of raw data: NOAA Fisheries. Last visited: August 7, 2018. <http://www.st.nmfs.noaa.gov/>.

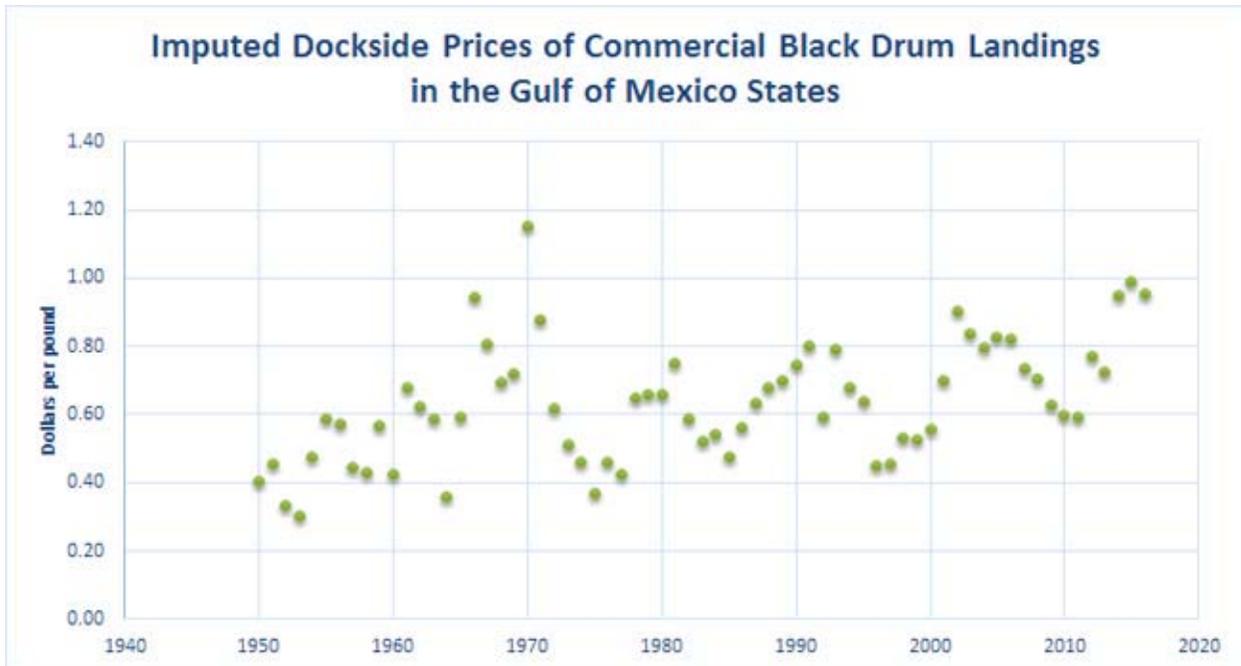


Figure 4. The vertical axis shows the average yearly dockside prices in dollars per pound. Source of raw data: NOAA Fisheries. Last visited: August 7, 2018. <http://www.st.nmfs.noaa.gov/>.

MarketMaker Businesses

In 2016, the Gulf-wide commercial landings of black drum reached almost 6.0 million pounds with dockside values of \$6.1 million. Black drum are harvested year-round (Fig. 5). More than 12,000 businesses which catch, process, and sell seafood products are registered in MarketMaker nationwide. There are more than 200 businesses which promote their seafood products and services in Mississippi MarketMaker (Fig. 6).

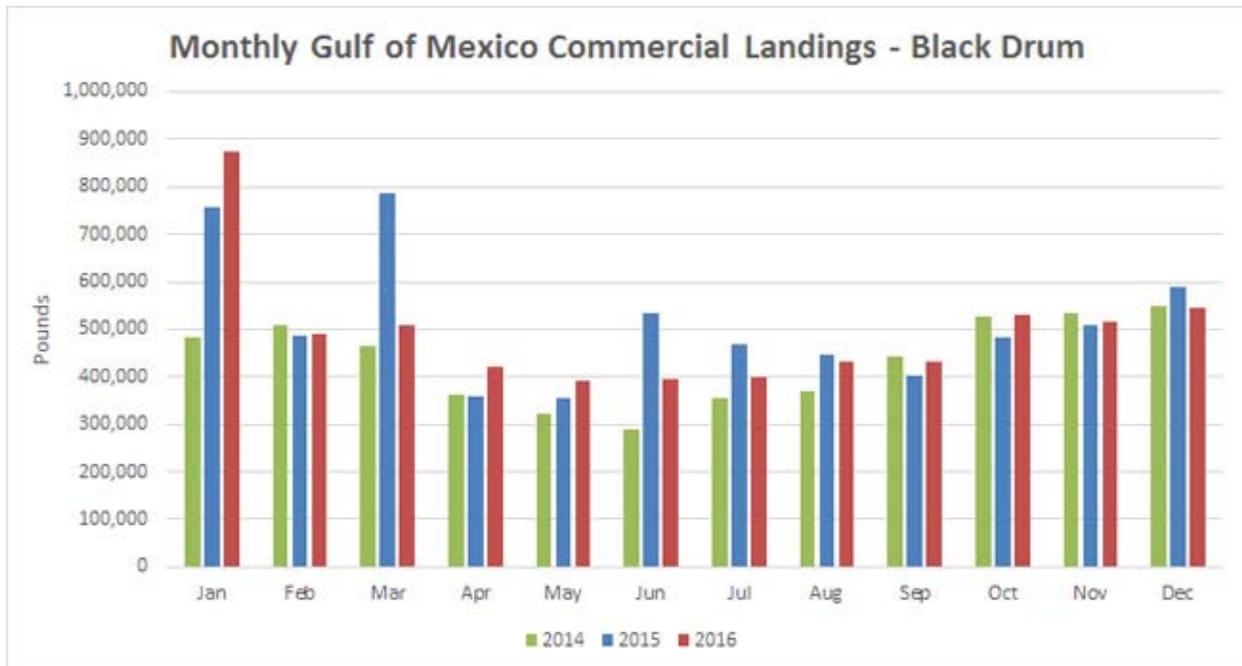


Figure 5. The vertical axis shows the monthly commercial black drum landings in pounds. Source of raw data: NOAA Fisheries. Last visited: August 7, 2018. <http://www.st.nmfs.noaa.gov/>.

To search for seafood businesses in MarketMaker, perform the following procedures:

1. Go to <http://ms.foodmarketmaker.com>
2. Click “search” and type “**Seafood**” in the product box.
3. You can sort the search results by relevance and name.
4. You can also limit online searches by state, county, city or number of miles from a specified location, and type of business.

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Business Type

Products

Producer Verified Attributes

Affiliations

Eat Healthy Mississippi (1)

Mississippi Certified Farmers Markets (1)

Southern Shrimp Alliance (2)

clear

Certifications

Product Forms

Method of Sale

all text SEARCH

Sort by: Relevance Name 229 businesses

☰ Quality Poultry & Seafood, Inc., Biloxi, Mississippi

☰ Southern Seafood, Hattiesburg, Mississippi

☰ Crystal seas seafood, Pass Christian, Mississippi

☰ Shemper Seafood Co, Biloxi, Mississippi

☰ North Bay Seafood Inc, D'Iberville, Mississippi

☰ R A Lesso Seafood Inc, Biloxi, Mississippi

☰ Labama Seafood, D'Iberville, Mississippi

☰ C F Gollott & Son Seafood Inc, D'Iberville, Mississippi

🐟 Fair maiden seafood llc, Ocean Springs, Mississippi

☰ David's Seafood, Hattiesburg, Mississippi

☰ Quality Seafood, Biloxi, Mississippi

🐟 Bradley's Seafood, Long Beach, Mississippi

VIEW MAP

Figure 6. Businesses which promote their seafood products in Mississippi MarketMaker. Last visited: August 14, 2018. <http://ms.foodmarketmaker.com>.

Economic Contributions

The economic contribution commercial black drum fishing makes region-wide is crucial information 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 commercial fishing to the Gulf of Mexico regional economy in 2016. The economic analysis used sector 17 or commercial fishing of the 2013 IMPLAN input-output data.

The annual commercial dockside values of black drum in the Gulf of Mexico states in 2016 reached \$6.1 million, which was 19.4% more than the average yearly dockside values in the region since 2011. The total output contribution of commercial Black drum fishing in 2016 amounted to \$11.6 million (Fig. 7). This output of goods and service created by the black drum commercial fishing and related industries sustained 161 jobs and generated labor income amounting to \$4.2 million in the Gulf regional economy.

The black drum commercial fishing industry generates annual tax revenues for the Gulf States and the U.S. federal government. More than \$711,000 was projected to have been paid by households and businesses in 2016 to the federal government as social insurance tax, tax on production and imports, corporate profit tax, and personal income tax. The Gulf States were anticipated to have collected taxes from households and businesses in 2016 amounting to almost \$348,000 as social insurance tax, tax on production and imports, corporate profits tax, and personal tax.

Economic contribution of commercial Black drum fishing in the Gulf of Mexico region				
Impact Type	Employment (Jobs)	Labor Income (\$M)	Total Value Added (\$M)	Output (\$M)
Direct Effect	131	2.6	3.2	6.1
Indirect Effect	10	0.6	1.3	2.7
Induced Effect	20	1.0	1.7	2.8
Total Effect	161	4.2	6.1	11.6

Figure 7. The total economic contribution includes direct, indirect and induced effects estimated by using 2016 annual landing values and 2013 IMPLAN data. The local purchases percentage was set at 100%. The number of jobs is rounded off.

Promote your Products in Season

As a member of MarketMaker, you can promote your products in season at the MarketMaker BUY or SELL Forum. Registration is FREE and simple. You can view the current listing of products posted at the MarketMaker BUY or SELL Forum at <https://ms.foodmarketmaker.com/> (Fig. 8). There are 99 products listed at the Buy and Sell Forum as of August 14, 2018.

Search Active Listings

Search our listing by keyword or category.

All

Looking To Sell

Title	State	Start Date	End Date	Views
Fresh Eggs	Colorado	08/06/2018	09/20/2018	28
Sandy's Lasso Bowls	Colorado	08/06/2018	11/04/2018	140
Alpaca-Gold Placer products	Colorado	08/06/2018	11/04/2018	32
alpaca-gold 100% natural fertilizer and humus product	Colorado	08/06/2018	11/04/2018	27
SWEET CORN	Illinois	07/31/2018	10/29/2018	65
Alabama Farmed Shrimp	Alabama	07/31/2018	10/29/2018	13
Cream Cheese breakfast biscuit	Colorado	07/30/2018	10/28/2018	20
Market Lambs	Michigan	07/29/2018	09/12/2018	7
Native Florida Wildflower and Grass Seed	Florida	07/29/2018	10/27/2018	126
Organic Spent Grain	Illinois	07/28/2018	08/27/2018	32
Aronia Berries	Iowa	07/25/2018	09/08/2018	31
utility pigeons	Florida	07/16/2018	10/14/2018	234
Organic Blueberries	Michigan	07/15/2018	10/13/2018	182
CBD Muscle Rub	Colorado	07/15/2018	10/13/2018	52
CBD Arnica Injury Savle	Colorado	07/15/2018	10/13/2018	18

Figure 8. Food businesses which promote their products and service in MarketMaker Buy and Sell Forum. Last visited: August 14, 2018. <http://ms.foodmarketmaker.com>.

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