



An Assessment of the Principal Commercial Fisheries in Barataria Bay and Its Environs

Louisiana Department of Wildlife and Fisheries
Office of Fisheries

This report uses commercial fishing data collected by the Louisiana Department of Wildlife and Fisheries (L.D.W.F.) for three areas in Barataria Bay, Louisiana. These data are used to summarize current and historic commercial fishing activities and production. They are not designed to estimate or assess the expected impacts of any future changes associated changing environmental conditions. As it is frequently said in another context, past performance is not indicative of future results.

Data

This report assesses commercial fishing activities using data from Louisiana trip ticket records. The Louisiana trip ticket program involves the mandatory reporting of commercial seafood landings at the point of first sale, usually the dock, dealer, or processor facility where commercial fishermen land and unload their catches. Following the landing of any seafood species in Louisiana, the purchaser of the seafood is required to complete and submit a record of the transaction including, among other variables, the date of the transaction, the species sold, the volume and value thereof, and the numerical code of the “area fished”. These trip ticket areas, based on sub-basins identified by the Louisiana Department of Environmental Quality, are identified on maps provided by the L.D.W.F.

This study will assess data for three trip ticket areas in the lower reaches of Barataria Bay which account for much of its commercial fishery production (Figure 1). Trip Ticket Area 211 covers a broad area of central coastal Louisiana, including Barataria Bay, Caminada Bay, and nearshore areas from Red Pass to the Bayou Lafourche. Trip Ticket Area 209 covers much of the area to the north and west of Barataria Bay. Trip Ticket Area 210, to its east, encompasses inshore waters west of the Mississippi River from Deer Range to Venice.

The terms “combined volume” and “combined dockside value” in this report refer to the summation of the volume and dockside value of six principal seafood types: blue crabs, brown shrimp, white shrimp, oysters, freshwater fish, and saltwater fish other than menhaden. Combined seafood landings as defined here do not include menhaden (a species harvested primarily in offshore waters) or species which do not have many harvesters or landings in the area (such as seabob, crawfish, or squid).



Figure 1. Location of Trip Ticket Areas 209, 210 and 211

Combined Volume & Dockside Value of Commercial Seafood Landings from Trip Ticket Area 211

In the first 10 calendar years of the study period the volume of combined seafood landings in Trip Ticket Area 211 exceeded 20 million pounds in all but two years (Table 1). Volume dropped to 10.9 million pounds in 2010, coinciding with the Deepwater Horizon incident. Between 2011 and 2016, volume fluctuated between 8.2 million pounds and 18.0 million pounds. The volume of combined seafood landings in 2017 was 12.4 million pounds, approximately seven percent of the statewide volume of combined seafood landings (Table 3).

The real dockside value of Trip Ticket Area 211's combined seafood landings varied between \$23.9¹ and \$47.1 million in the first ten years of the study period (Table 2). Value dropped to \$16.2 million in 2010 and varied between \$13.6 million and \$37.7 million over the next six years. Real dockside value was \$13.7 million in 2017, about 4.6 percent of the total dockside value of combined seafood landings statewide.

Table 1. Combined[†] Volume of Commercial Seafood Landings from Trip Ticket Area 211 and Percentage Derived from Specified Seafood Types

Year	Volume (Pounds)	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	24,195,231	7.9%	59.4%	23.6%	1.4%	7.7%	0.05%
2001	21,098,914	7.7%	62.9%	19.0%	1.3%	9.1%	0.06%
2002	18,424,643	11.6%	59.8%	17.8%	1.8%	8.8%	0.1%
2003	23,001,019	5.8%	58.4%	27.9%	1.8%	6.0%	0.1%
2004	25,568,620	9.3%	48.3%	36.0%	1.2%	5.1%	0.1%
2005	17,758,037	11.6%	50.7%	34.1%	0.6%	3.0%	0.1%
2006	27,298,546	9.2%	46.1%	41.3%	0.3%	3.2%	0.02%
2007	28,435,078	7.6%	46.0%	41.9%	0.3%	4.1%	0.1%
2008	22,832,236	9.6%	32.6%	53.0%	0.7%	3.9%	0.2%
2009	22,613,758	9.5%	27.2%	61.2%	1.0%	1.1%	0.01%
2010	10,916,877	3.9%	28.9%	62.0%	0.6%	4.5%	0.08%
2011	17,098,308	5.9%	54.6%	37.0%	0.4%	2.0%	‡
2012	13,807,787	5.1%	44.9%	47.0%	0.5%	2.4%	0.1%
2013	8,173,452	13.7%	37.2%	44.3%	2.3%	2.3%	0.2%
2014	17,999,637	6.3%	45.7%	44.1%	1.9%	1.8%	0.1%
2015	16,412,723	5.9%	37.2%	51.8%	1.5%	3.4%	0.2%
2016	12,980,944	8.9%	35.0%	50.8%	1.8%	3.4%	0.0%
2017	12,410,099	12.5%	38.3%	43.4%	1.6%	3.4%	0.8%

† The summation of commercial landings of blue crabs, brown shrimp, white shrimp, oysters, freshwater fish, and saltwater fish other than menhaden.
‡ Landings of freshwater fish in 2011 are withheld to maintain confidentiality standards. The combined volume estimate for that year is an approximation excluding freshwater fish landings.

¹ Dockside values included in the text of this report are expressed in constant, inflation-adjusted 2017 dollars.

Table 2. Combined[†] Real Dockside Value of Commercial Seafood Landings from Trip Ticket Area 211 and Percentage Derived from Specified Seafood Types

Year	Real Dockside Value*	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	\$47,070,574	3.8%	60.6%	31.0%	2.5%	2.0%	0.03%
2001	\$37,337,638	4.4%	65.6%	23.1%	2.4%	4.5%	0.04%
2002	\$25,613,086	6.2%	58.6%	25.6%	4.3%	5.2%	0.2%
2003	\$27,218,178	3.8%	49.7%	36.8%	5.6%	3.9%	0.2%
2004	\$27,117,847	6.5%	34.4%	50.5%	3.6%	4.8%	0.2%
2005	\$23,883,462	7.7%	44.1%	44.8%	1.6%	1.7%	0.1%
2006	\$29,580,044	7.1%	35.1%	53.0%	0.8%	3.8%	0.03%
2007	\$41,308,301	4.7%	35.2%	55.4%	1.1%	3.5%	0.1%
2008	\$35,718,817	4.8%	18.6%	70.8%	2.2%	3.5%	0.1%
2009	\$25,940,024	5.7%	17.2%	72.2%	3.7%	1.2%	0.03%
2010	\$16,162,019	2.7%	23.7%	68.2%	1.9%	3.4%	0.03%
2011	\$23,811,324	3.7%	36.8%	56.9%	1.1%	1.5%	‡
2012	\$19,038,485	3.3%	35.7%	57.8%	1.4%	1.8%	0.0%
2013	\$13,554,409	11.3%	23.9%	57.4%	5.9%	1.3%	0.1%
2014	\$37,673,337	4.5%	43.3%	45.0%	5.9%	1.2%	0.1%
2015	\$19,366,704	6.4%	26.2%	57.7%	7.2%	2.4%	0.2%
2016	\$16,426,867	7.5%	17.5%	64.2%	8.1%	2.6%	0.0%
2017	\$13,739,026	12.9%	21.1%	55.0%	8.4%	2.1%	0.5%

† The summation of commercial landings of blue crabs, brown shrimp, white shrimp, oysters, freshwater fish, and saltwater fish other than menhaden.
* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
‡ Values for freshwater fish in 2011 were withheld to maintain confidentiality standards. Combined real dockside value is an approximation excluding freshwater fish.

In 2017, 81.7 percent of the volume and 76.1 percent of the dockside value of combined seafood landings in Area 211 were derived from commercial landings of brown and white shrimp. About 12.5 percent of the volume was associated blue crabs, 1.6 percent with oysters, and 4.2 percent with freshwater fish or saltwater fish (excluding menhaden.)

Brown and white shrimp was similarly dominant earlier in the study period, collectively representing between 78 percent and 91 percent of the volume of combined seafood landings in Area 211 in the years between 2000 and 2016. Blue crab landings accounted for 5.8 percent to 13.7 percent and oysters between 0.4 and 2.3 percent of the volume of combined seafood landings for the area.

Percentage of Statewide Landings Harvested from Area 211

Area 211 was the origin of a fairly large share of Louisiana’s shrimp harvest in 2017, especially brown shrimp. Landings of brown shrimp from Area 211 in 2017 represented about one fifth of the statewide total volume (Table 3) and about 13 percent of the statewide dockside value (Table 4) of the species. The area’s white shrimp landings constituted nearly eight percent of the volume of that species’ statewide landings and almost seven percent of the value.

Table 3. Percentage of the Volume of Statewide Landings of Specified Seafood Types Derived from Trip Ticket Area 211

Year	Combined Seafood	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	10.0%	3.7%	23.3%	7.3%	2.7%	7.5%	0.1%
2001	10.1%	3.9%	20.7%	7.2%	1.8%	10.0%	0.1%
2002	9.4%	4.3%	20.6%	7.0%	2.4%	9.0%	0.2%
2003	10.6%	2.8%	22.6%	10.0%	3.1%	6.8%	0.2%
2004	11.6%	5.3%	22.1%	12.3%	2.1%	6.4%	0.2%
2005	10.2%	5.4%	23.1%	9.8%	0.9%	4.5%	0.1%
2006	12.0%	4.7%	26.2%	12.6%	0.6%	6.7%	0.1%
2007	14.5%	4.7%	28.1%	18.1%	0.7%	9.1%	0.1%
2008	13.0%	4.9%	25.9%	18.2%	1.3%	8.7%	0.3%
2009	11.1%	3.9%	18.4%	17.5%	1.4%	2.4%	0.02%
2010	8.5%	1.4%	18.8%	11.9%	1.0%	6.0%	0.1%
2011	10.2%	2.3%	24.5%	12.1%	0.6%	3.1%	‡
2012	7.5%	1.5%	21.4%	9.2%	0.6%	2.5%	0.1%
2013	4.8%	2.9%	7.7%	6.3%	1.6%	1.6%	0.2%
2014	9.3%	2.6%	19.0%	11.3%	2.7%	2.8%	0.2%
2015	9.3%	2.3%	19.2%	13.2%	1.7%	4.8%	0.3%
2016	7.4%	2.8%	18.7%	8.9%	1.9%	3.9%	0.0%
2017	7.2%	3.5%	19.3%	7.8%	1.5%	4.0%	0.9%

‡ Landings of freshwater fish in 2011 are withheld to maintain confidentiality standards. Combined volume for that year is an estimate excluding freshwater fish landings.

Four percent of the total volume of all saltwater fish other than menhaden landed in Louisiana in 2017 were harvested from Area 211. About 3.5 percent of the statewide volume of blue crabs and 1.5 percent of the state’s volume of oysters were pulled from the waters of this area.

Commercial Blue Crab Landings from Area 211

Commercial landings of blue crabs in Area 211 in 2017 were 1.5 million pounds with a real dockside value of \$1.8 million (Table 5). Real value per pound (the product of real dockside value divided by volume) was \$1.15 per pound. Sixty-six commercial fishers² reported trip ticket landings of blue crabs during the year and completed 3,075 trips³. An estimate of pounds per trip, a measure of catch per unit of effort (C.P.U.E.) was 502.8 pounds per trip.

² The number of fishers described in this report refers to individuals with trip ticket records of landings of the species. It does not include the number of crew members who may have participated in the fisheries.

³ The term “trip” is defined as a trip ticket transaction with reported landings of the specified seafood type. Trips are not additive across types of seafood because a single trip may feature landings of multiple seafood types.

Table 4. Percentage of the Value of Statewide Landings of Specified Seafood Types Derived from Trip Ticket Area 211

Year	Combined Species	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	9.6%	3.8%	20.7%	6.7%	3.1%	2.1%	0.2%
2001	9.7%	3.7%	19.4%	6.4%	2.1%	5.3%	0.3%
2002	8.4%	3.9%	18.3%	6.4%	2.7%	3.9%	0.7%
2003	9.0%	2.4%	19.5%	9.3%	3.5%	3.3%	1.2%
2004	9.1%	4.7%	17.8%	11.0%	2.2%	3.9%	0.9%
2005	8.9%	5.5%	20.8%	9.5%	1.0%	1.7%	0.3%
2006	10.3%	5.5%	22.3%	12.0%	0.6%	4.8%	0.2%
2007	14.5%	4.7%	27.1%	20.0%	1.0%	6.5%	0.4%
2008	13.3%	4.3%	21.2%	19.3%	1.7%	7.7%	1.0%
2009	10.0%	3.4%	15.1%	17.5%	1.7%	1.7%	0.2%
2010	8.3%	1.3%	15.7%	11.7%	1.1%	4.9%	0.2%
2011	9.5%	2.2%	23.6%	12.6%	0.6%	2.2%	‡
2012	6.9%	1.3%	18.9%	9.1%	0.6%	1.5%	0.1%
2013	4.3%	2.8%	5.9%	5.7%	1.7%	0.9%	0.4%
2014	9.1%	2.4%	18.0%	10.9%	3.2%	2.2%	0.6%
2015	6.4%	2.1%	16.8%	11.9%	1.5%	2.2%	0.5%
2016	5.6%	2.4%	14.4%	8.7%	1.9%	2.0%	0.0%
2017	4.6%	3.3%	13.0%	6.8%	1.4%	1.5%	1.3%

‡ Landings of freshwater fish in 2011 are withheld to maintain confidentiality standards. Combined volume for that year is an estimate excluding freshwater fish landings.

The volume and real dockside value of area blue crab landings varied during the study period from minima of 423,273 pounds and \$435,189 in 2010 and maxima of 2.5 million pounds and \$2.11 million in 2006. To characterize this diversity, this report presents summary statistics for each parameter for three different six-year periods within the eighteen year study period (Table 6). During the early third of the study period (2000-2005), average landings were 1.9 million pounds and \$1.61 million. Averages were 1.7 million pounds and \$1.43 million for the middle third (2006-2011) and 1.1 million pounds and \$1.35 million for the recent third (2012-2017).

During the early third of the study period, the average number of commercial fishers and trips with blue crab landings were 183 and 3,564, respectively. For the middle third, there were averages of 106 fishers and 3,684 trips. The averages were 80 fishers and 2,411 trips in the recent third.

Commercial Brown Shrimp Landings from Area 211

Though there are many species of shrimp harvested commercially in Louisiana, brown shrimp and white shrimp comprised the bulk of commercial shrimp production in Area 211 (almost 99 percent of the cumulative volume of the landings of all shrimp from the area between 2000 and 2017.)

Table 5. Trip Ticket Commercial Landings Statistics for Blue Crabs from Area 211

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	1,922,233	\$1,306,080	\$1,809,017	213	5,361	\$0.94	358.6
2001	1,621,160	\$1,201,460	\$1,627,030	229	4,323	\$1.00	375.0
2002	2,136,541	\$1,188,668	\$1,585,377	201	4,653	\$0.74	459.2
2003	1,329,491	\$791,659	\$1,035,221	132	3,611	\$0.78	368.2
2004	2,372,615	\$1,381,503	\$1,758,198	163	5,291	\$0.74	448.4
2005	2,062,719	\$1,494,761	\$1,843,029	158	4,339	\$0.89	475.4
2006	2,514,336	\$1,765,533	\$2,111,999	135	5,280	\$0.84	476.2
2007	2,173,615	\$1,667,753	\$1,943,318	122	4,998	\$0.89	434.9
2008	2,189,726	\$1,498,525	\$1,712,537	105	4,159	\$0.78	526.5
2009	2,157,753	\$1,300,062	\$1,474,531	90	4,210	\$0.68	512.5
2010	423,273	\$388,384	\$435,189	85	1,246	\$1.03	339.7
2011	1,015,955	\$808,561	\$887,680	100	2,213	\$0.87	459.1
2012	708,461	\$587,611	\$633,437	70	1,374	\$0.89	515.6
2013	1,120,620	\$1,445,033	\$1,532,979	83	2,329	\$1.37	481.2
2014	1,134,381	\$1,614,349	\$1,682,404	96	2,556	\$1.48	443.8
2015	962,608	\$1,199,064	\$1,236,204	79	2,427	\$1.28	396.6
2016	1,158,643	\$1,214,124	\$1,235,964	87	2,706	\$1.07	428.2
2017	1,546,009	\$1,779,153	\$1,779,153	66	3,075	\$1.15	502.8

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
* Pounds per trip, an estimate of catch per unit of effort, is the quotient of pounds of landings divided by (the number of) trips.

Table 6. Summary Statistics for Blue Crabs Landings from Area 211

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	1,586,119	\$1,462,403	123	3,564	\$0.97	445
Standard Deviation	608,643	448,578	49	1,316	0.22	55
Early Third: 2000-2005						
Average	1,907,460	\$1,609,645	183	4,596	\$0.85	414
Standard Deviation	343,799	272,989	34	603	0.10	48
Middle Third: 2006-2011						
Average	1,745,776	\$1,427,542	106	3,684	\$0.85	458
Standard Deviation	755,226	590,784	17	1,465	0.11	61
Recent Third: 2012-2017						
Average	1,105,120	\$1,350,024	80	2,411	\$1.21	461
Standard Deviation	250,331	380,255	10	521	0.20	42

Brown shrimp landings in Area 211 in 2017 were 4.8 million pounds and \$2.9 million (Table 7). Four hundred fifty-six commercial fishers completed 2,764 trips with records of brown shrimp landings during the year. Real value per pound was \$0.61 per pound. Estimated per-trip volume was 1,719.7 pounds per trip.

Landings of this species from the area followed a generally downward trend throughout much of the study period, dropping from 14.4 million pounds in 2000 to less than five million pounds in each of the last two years. Average annual brown shrimp landings during the early third of the study period were 12.2 million pounds and \$16.9 million (Table 8). During the middle third, average volume was 8.6 million pounds and average real dockside value was \$8.1 million. In the recent third, average volume was 5.5 million pounds and average real dockside value was \$6.2 million.

As volume and value fluctuated, two measures of fishing activity (the number of fishers and the number of trips with brown shrimp landings) showed signs of decline within the period. The annual averages were 1,403 fishers and 9,920 trips in the early third of the study period, 718 fishers and 4,046 trips in the middle third, and 586 fishers and 3,448 trips in the recent third.

Table 7. Trip Ticket Commercial Landings Statistics for Brown Shrimp from Area 211

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value[†]	Fishers	Trips	Real Value per Pound[†]	Pounds per Trip[†]
2000	14,360,414	\$20,595,874	\$28,526,814	1,606	13,457	\$1.99	1,067.1
2001	13,276,260	\$18,082,558	\$24,487,586	1,737	12,449	\$1.84	1,066.5
2002	11,023,695	\$11,257,701	\$15,014,876	1,463	9,972	\$1.36	1,105.5
2003	13,435,418	\$10,344,750	\$13,527,415	1,425	9,331	\$1.01	1,439.9
2004	12,357,584	\$7,330,804	\$9,329,699	1,132	7,562	\$0.75	1,634.2
2005	8,997,494	\$8,545,395	\$10,536,405	1,056	6,747	\$1.17	1,333.6
2006	12,578,888	\$8,689,445	\$10,394,656	768	5,095	\$0.83	2,468.9
2007	13,081,572	\$12,492,177	\$14,556,274	874	6,016	\$1.11	2,174.5
2008	7,451,989	\$5,811,168	\$6,641,091	689	3,660	\$0.89	2,036.1
2009	6,145,532	\$3,923,131	\$4,449,615	686	3,395	\$0.72	1,810.2
2010	3,155,936	\$3,422,557	\$3,835,015	506	1,689	\$1.22	1,868.5
2011	9,340,471	\$7,974,585	\$8,754,918	784	4,418	\$0.94	2,114.2
2012	6,205,050	\$6,305,514	\$6,797,256	674	4,230	\$1.10	1,466.9
2013	3,039,749	\$3,047,509	\$3,232,983	440	2,342	\$1.06	1,297.9
2014	8,227,449	\$15,663,979	\$16,324,316	822	4,997	\$1.98	1,646.5
2015	6,107,329	\$4,920,936	\$5,073,359	599	3,409	\$0.83	1,791.5
2016	4,547,955	\$2,825,409	\$2,876,232	527	2,948	\$0.63	1,542.7
2017	4,753,118	\$2,893,943	\$2,893,943	456	2,764	\$0.61	1,719.7

[†] Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
[†] Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 8. Summary Statistics for Brown Shrimp Landings from Area 211

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	8,782,550	\$10,402,914	902	5,805	\$1.11	1,644
Standard Deviation	3,694,210	7,120,644	397	3,371	0.42	387
Early Third: 2000-2005						
Average	12,241,811	\$16,903,799	1,403	9,920	\$1.35	1,274
Standard Deviation	1,779,797	7,135,440	242	2,411	0.44	214
Middle Third: 2006-2011						
Average	8,625,731	\$8,105,262	718	4,046	\$0.95	2,079
Standard Deviation	3,498,584	3,674,722	114	1,369	0.17	216
Recent Third: 2012-2017						
Average	5,480,108	\$6,199,682	586	3,448	\$1.04	1,578
Standard Deviation	1,623,761	4,741,808	132	909	0.46	165

As volume, populations, and trip numbers declined, average pounds per trip fluctuated. Average pounds of brown shrimp per trip was 1,274 pounds per trip in the early third, 2,079 pounds per trip in the middle third, and 1,578 pounds per trip in the recent third.

Commercial White Shrimp Landings from Area 211

In 2017, commercial landings of white shrimp from Trip Ticket Area 211 were 5.4 million pounds and \$7.6 million (Table 9). That year, 559 commercial fishers landed white shrimp during 4,388 trips. The real value per pound was \$1.41 per pound.

Landings of white shrimp from the area showed an increase over the first ten years of the study period but dropped for the remainder. Average annual landings were 5.8 million pounds and \$10.7 million in the early third of the study period and 10.4 million pounds and \$17.9 million in the middle third (Table 10). During the recent third, annual white shrimp landings were 6.4 million pounds and \$10.8 million.

During the early third of the study period, the average number of fishers with white shrimp landings was 1,062 and the average number of trips was 7,202. The average were 772 fishers and 5,530 trips in the middle third and 651 fishers and 4,950 trips in the recent third.

As the volumes of both shrimp species harvested from Area 211 fluctuated during the study period, the proportion of white shrimp as a share of all shrimp landings has waxed and waned. The ratio of the volume of white shrimp landings over the volume of brown shrimp landings was 0.40 in 2000 and stayed at levels below 0.50 for the next three years. The ratio would grow to 2.25 in 2009 and 2.14 in 2010⁴. The ratio of white shrimp over brown shrimp decreased over the remainder of the period and stood at 1.13 in 2017.

⁴ The closure of the shrimp fishery in the area during the spring of 2010 following the Deepwater Horizon oil spill, potentially had a stronger effect on the number of brown shrimp trips than the number of white shrimp trips.

Table 9. Trip Ticket Commercial Landings Statistics for White Shrimp from Area 211

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value [†]	Fishers	Trips	Real Value per Pound [†]	Pounds per Trip [†]
2000	5,700,742	\$10,526,067	\$14,579,384	1,305	9,346	\$2.56	610.0
2001	4,008,699	\$6,366,012	\$8,620,919	1,144	7,593	\$2.15	527.9
2002	3,281,064	\$4,911,415	\$6,550,564	961	5,741	\$2.00	571.5
2003	6,412,347	\$7,650,810	\$10,004,658	1,060	7,444	\$1.56	861.4
2004	9,209,327	\$10,755,281	\$13,687,929	1,009	8,265	\$1.49	1,114.3
2005	6,046,975	\$8,671,702	\$10,692,141	895	4,820	\$1.77	1,254.6
2006	11,264,490	\$13,117,342	\$15,691,480	788	6,126	\$1.39	1,838.8
2007	11,909,151	\$19,647,098	\$22,893,411	850	5,908	\$1.92	2,015.8
2008	12,100,717	\$22,118,628	\$25,277,504	777	5,385	\$2.09	2,247.1
2009	13,831,290	\$16,518,859	\$18,735,690	849	7,022	\$1.35	1,969.7
2010	6,764,928	\$9,842,851	\$11,029,030	603	2,470	\$1.63	2,738.8
2011	6,327,900	\$12,333,517	\$13,540,382	765	5,187	\$2.14	1,220.0
2012	6,489,904	\$10,203,329	\$10,999,046	686	4,683	\$1.69	1,385.8
2013	3,619,424	\$7,332,719	\$7,778,994	530	3,951	\$2.15	916.1
2014	7,945,370	\$16,249,268	\$16,934,279	778	5,714	\$2.13	1,390.5
2015	8,503,860	\$10,844,546	\$11,180,448	700	5,596	\$1.31	1,519.6
2016	6,593,097	\$10,365,390	\$10,551,840	653	5,370	\$1.60	1,227.8
2017	5,381,486	\$7,561,465	\$7,561,465	559	4,388	\$1.41	1,226.4

[†] Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
[†] Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 10. Summary Statistics for White Shrimp Landings from Area 211

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound [†]	Pounds per Trip [†]
Average	7,521,710	\$13,128,287	828	5,834	\$1.80	1,369
Standard Deviation	2,970,291	5,034,879	201	1,593	0.35	587
Early Third: 2000-2005						
Average	5,776,526	\$10,689,266	1,062	7,202	\$1.92	823
Standard Deviation	1,898,237	2,768,893	133	1,514	0.37	279
Middle Third: 2006-2011						
Average	10,366,413	\$17,861,250	772	5,350	\$1.75	2,005
Standard Deviation	2,813,066	5,019,049	83	1,416	0.32	455
Recent Third: 2012-2017						
Average	6,422,190	\$10,834,345	651	4,950	\$1.72	1,278
Standard Deviation	1,613,784	3,095,234	85	654	0.32	191

Commercial Oyster Landings from Area 211

In 2017 landings of oysters (from both public reefs and private grounds) within Area 211 were 197,231 pounds of oyster meat and \$1.2 million (Table 11). Thirty-five commercial fishers took 532 trips during the year, with an average volume per trip 370.7 pounds. Estimated dockside value per pound was \$5.87 per pound.

During the early third of the study period, average landings were 295,114 pounds (\$1.0 million) (Table 12). Average landings declined to 115,168 pounds (\$504,046) in the middle third and rose to 211,158 pounds (\$1.2 million) in the recent third. The average number of fishers and trips were 42 fishers and 1,029 trips in the early third of the study period, 17 fishers and 373 trips in the middle third, and 34 fishers and 618 trips in the recent trips.

Commercial Saltwater Fish Landings from Area 211

The collective landings of all species of saltwater fish (other than menhaden) in 2017 were 427,458 pounds whole weight with a dockside value of \$282,075 (Table 13). The estimated real value per pounds was \$0.66. Ninety-one commercial fishers completed 674 trips with saltwater fish landings with an estimated 634 pounds per trip.

Table 11. Trip Ticket Commercial Landings Statistics for Oysters from Area 211

Year	Volume (Pounds*)	Current Dollar Value	Real Dockside Value[†]	Fishers	Trips	Real Value per Pound[‡]	Pounds per Trip[‡]
2000	343,054	\$865,803	\$1,199,202	54	1,272	\$3.50	269.7
2001	270,183	\$665,199	\$900,819	40	841	\$3.33	321.3
2002	332,239	\$826,048	\$1,101,736	32	1,005	\$3.32	330.6
2003	422,808	\$1,164,924	\$1,523,325	41	1,258	\$3.60	336.1
2004	297,478	\$772,835	\$983,565	51	1,287	\$3.31	231.1
2005	104,924	\$318,202	\$392,340	33	509	\$3.74	206.1
2006	70,122	\$207,583	\$248,319	15	195	\$3.54	359.6
2007	95,229	\$391,105	\$455,728	13	465	\$4.79	204.8
2008	170,879	\$690,108	\$788,666	18	509	\$4.62	335.7
2009	216,874	\$840,094	\$952,835	21	452	\$4.39	479.8
2010	70,102	\$273,612	\$306,586	17	235	\$4.37	298.3
2011	67,800	\$247,887	\$272,143	18	383	\$4.01	177.0
2012	64,855	\$241,070	\$259,870	15	253	\$4.01	256.3
2013	185,783	\$760,127	\$806,389	26	461	\$4.34	403.0
2014	341,849	\$2,145,359	\$2,235,800	46	1,002	\$6.54	341.2
2015	244,937	\$1,343,489	\$1,385,103	39	742	\$5.65	330.1
2016	232,292	\$1,310,945	\$1,334,526	40	715	\$5.75	324.9
2017	197,231	\$1,157,055	\$1,157,055	35	532	\$5.87	370.7

* Landings are reported in pound of oyster meat.

† Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.

‡ Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 12. Summary Statistics for Oyster Landings from Area 211

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	207,147	\$905,778	31	673	\$4.37	310
Standard Deviation	109,323	519,592	13	351	0.96	74
Early Third: 2000-2005						
Average	295,114	\$1,016,831	42	1,029	\$3.47	282
Standard Deviation	97,281	341,945	8	284	0.16	51
Middle Third: 2006-2011						
Average	115,168	\$504,046	17	373	\$4.29	309
Standard Deviation	57,950	271,699	3	118	0.41	101
Recent Third: 2012-2017						
Average	211,158	\$1,196,457	34	618	\$5.36	338
Standard Deviation	82,573	600,803	10	237	0.89	45

Table 13. Trip Ticket Commercial Landings Statistics for Saltwater Fish from Area 211

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	1,855,615	\$681,541	\$943,984	249	963	\$0.51	1,927
2001	1,909,915	\$1,245,235	\$1,686,309	227	1190	\$0.88	1,605
2002	1,624,392	\$990,924	\$1,321,638	227	964	\$0.81	1,685
2003	1,373,398	\$819,304	\$1,071,371	184	957	\$0.78	1,435
2004	1,308,260	\$1,029,628	\$1,310,377	262	1215	\$1.00	1,077
2005	534,585	\$329,299	\$406,023	134	575	\$0.76	930
2006	864,514	\$940,825	\$1,125,452	154	709	\$1.30	1,219
2007	1,159,278	\$1,231,003	\$1,434,404	190	1018	\$1.24	1,139
2008	882,366	\$1,092,608	\$1,248,649	187	876	\$1.42	1,007
2009	259,815	\$282,204	\$320,076	163	775	\$1.23	335
2010	493,994	\$491,621	\$550,867	84	335	\$1.12	1,475
2011	346,182	\$324,452	\$356,201	100	591	\$1.03	586
2012	330,513	\$316,697	\$341,395	103	640	\$1.03	516
2013	189,341	\$172,314	\$182,801	73	549	\$0.97	345
2014	329,133	\$447,578	\$466,446	81	697	\$1.42	472
2015	561,568	\$445,601	\$459,403	83	717	\$0.82	783
2016	444,686	\$419,902	\$427,455	78	702	\$0.96	633
2017	427,458	\$282,075	\$282,075	91	674	\$0.66	634

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.

* Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Average annual landings of saltwater fish in Area 211 were 1.4 million pounds (\$1.1 million) in the early third of the study period, 667,692 pounds (\$839,275) in the middle third, and 380,450 pounds (\$359,929) in the recent third (Table 14).

In the early third of the study period, the average number of fishers with saltwater fish landings in the area was 214 and the average number of trips was 977. The averages were 146 fishers and 717 trips in the middle third and 85 fishers and 663 trips in the recent third.

Commercial Freshwater Fish Landings from Area 211

Cumulative landings of all species of freshwater fish in Area 211 in 2017 were 104,796 pounds and \$65,335, both period highs (Table 15). That year 14 commercial fishers conducted 93 trips with freshwater fish landings in the area.

Average landings were 19,139 pounds (\$30,639) in the early third, 14,026 pounds (\$19,257) in the middle third, and 31,747 pounds (\$26,035) in the recent third of the study period (Table 16). The number of commercial fishers and the number of trips with freshwater fish landings in the area were moderate throughout the study period.

Table 14. Summary Statistics for Saltwater Fish Landings from Area 211

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	827,501	\$774,163	148	786	\$1.00	989
Standard Deviation	554,684	470,242	63	224	0.25	475
Early Third: 2000-2005						
Average	1,434,361	\$1,123,284	214	977	\$0.79	1,443
Standard Deviation	459,879	395,949	43	210	0.15	346
Middle Third: 2006-2011						
Average	667,692	\$839,275	146	717	\$1.22	960
Standard Deviation	323,106	445,303	41	216	0.12	387
Recent Third: 2012-2017						
Average	380,450	\$359,929	85	663	\$0.98	564
Standard Deviation	116,038	102,940	10	57	0.23	139

Table 15. Trip Ticket Commercial Landings Statistics for Freshwater Fish from Area 211

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	13,173	\$8,789	\$12,173	18	48	\$0.92	274.4
2001	12,696	\$11,058	\$14,975	16	50	\$1.18	253.9
2002	26,712	\$29,162	\$38,895	24	87	\$1.46	307.0
2003	27,557	\$42,969	\$56,188	25	140	\$2.04	196.8
2004	23,357	\$37,778	\$48,079	39	165	\$2.06	141.6
2005	11,340	\$10,968	\$13,524	17	79	\$1.19	143.5
2006	6,197	\$6,803	\$8,138	9	42	\$1.31	147.5
2007	16,234	\$21,597	\$25,166	14	52	\$1.55	312.2
2008	36,559	\$44,075	\$50,370	11	38	\$1.38	962.1
2009	2,494	\$6,416	\$7,277	6	28	\$2.92	89.1
2010	8,644	\$4,759	\$5,332	3	6	\$0.62	1,440.6
2011	‡	‡	‡	‡	‡	‡	‡
2012	9,004	\$6,940	\$7,481	8	66	\$0.83	136.4
2013	18,536	\$19,101	\$20,263	17	118	\$1.09	157.1
2014	21,455	\$28,875	\$30,092	15	99	\$1.40	216.7
2015	32,422	\$31,220	\$32,187	16	106	\$0.99	305.9
2016	4,271	\$835	\$850	7	63	\$0.20	67.8
2017	104,796	\$65,335	\$65,335	14	93	\$0.62	1,126.8

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.
 ‡ Data are withheld to maintain confidentiality standards.

Table 16. Summary Statistics for Freshwater Fish Landings from Area 211

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	22,085	\$25,666	15	75	\$1.28	369
Standard Deviation	22,811	19,302	8	40	0.62	390
Early Third: 2000-2005						
Average	19,139	\$30,639	23	95	\$1.48	220
Standard Deviation	6,879	17,815	8	44	0.44	64
Middle Third: 2006-2010						
Average	14,026	\$19,257	9	33	\$1.56	590
Standard Deviation	12,131	17,111	4	16	0.75	526
Recent Third: 2012-2017						
Average	31,747	\$26,035	13	91	\$0.86	335
Standard Deviation	33,885	20,859	4	20	0.38	362

Combined Volume & Dockside Value of Commercial Seafood Landings from Trip Ticket Area 209

Trip Ticket Area 209 covers an area of Louisiana on the north and west side of Barataria Bay. Combined seafood landings for the area during the study period ranged between 2.5 million and 6.7 million pounds (Table 17) and \$2.6 million and \$12.8 million (Table 18). Combined volume and dockside value for the area in 2017 were 5.3 million pounds and \$7.1 million about three percent of the statewide combined seafood total by volume (Table 19) and 2.4 percent by value (Table 20).

Blue crabs and shrimp accounted for the majority of the area's landings. Forty percent of the combined volume and 35.6 percent of the combined value of seafood landings for Area 209 in 2017 came from blue crabs. Brown and white shrimp together comprised 55.2 percent of the combined volume for Area 209 and 46.8 percent for the combined dockside value in that year. (Landings of these two shrimp species formed the majority of the combined seafood volume for the area in every year since 2009.)

Trip Ticket Area 209 produced about five percent of Louisiana's statewide volume (Table 19) and value (Table 20) of blue crabs and brown shrimp, about two percent of the white shrimp, and about one percent of the oysters in 2017. In previous years, the area's shares of these seafood types were similarly moderate.

Table 17. Combined[†] Volume of Commercial Seafood Landings from Trip Ticket Area 209 and Percentage Derived from Specified Seafood Types

Year	Volume (Pounds)	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	4,552,777	23.6%	34.2%	24.1%	8.8%	8.4%	0.9%
2001	5,050,755	35.7%	31.8%	22.5%	3.6%	5.9%	0.6%
2002	5,133,363	52.1%	21.7%	13.7%	6.8%	5.6%	0.1%
2003	5,688,977	43.1%	27.1%	20.4%	4.8%	4.4%	0.1%
2004	6,134,474	51.9%	14.7%	25.6%	4.0%	3.8%	0.0%
2005	4,842,182	50.8%	14.7%	27.4%	4.0%	3.0%	0.06%
2006	6,625,836	64.5%	18.5%	9.1%	2.4%	4.7%	0.8%
2007	4,612,350	64.9%	13.4%	10.1%	3.2%	8.5%	‡
2008	2,520,172	54.1%	13.0%	18.1%	5.2%	9.3%	0.2%
2009	2,754,401	57.1%	3.9%	29.9%	2.5%	6.7%	‡
2010	5,586,951	24.5%	17.8%	56.2%	0.7%	0.8%	0.0%
2011	5,193,051	31.8%	32.5%	34.0%	1.7%	‡	0.1%
2012	5,802,460	39.4%	15.2%	42.8%	1.3%	1.2%	0.1%
2013	4,929,787	38.6%	33.0%	24.1%	2.7%	0.9%	0.6%
2014	6,653,275	30.7%	28.9%	37.7%	1.9%	0.5%	0.2%
2015	5,283,940	30.4%	28.3%	36.7%	2.8%	1.8%	‡
2016	5,076,625	35.9%	25.7%	35.4%	1.9%	0.7%	0.5%
2017	5,278,299	40.1%	23.7%	31.5%	2.9%	1.2%	0.6%

† The summation of commercial landings of blue crabs, brown shrimp, white shrimp, oysters, freshwater fish, and saltwater fish other than menhaden.
‡ Values for saltwater fish in 2011 and for freshwater fish in 2007, 2009, and 2015 are withheld to maintain confidentiality standards. The combined volume estimate for those years are approximation excluding those landings.

Table 18. Combined[†] Real Dockside Value of Commercial Seafood Landings from Trip Ticket Area 209 and Percentage Derived from Specified Seafood Types

Year	Real Dockside Value[∗]	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	\$8,111,331	12.2%	33.7%	32.8%	17.0%	4.0%	0.4%
2001	\$7,476,590	24.7%	37.8%	26.3%	8.0%	2.9%	0.3%
2002	\$6,450,302	33.1%	26.4%	19.4%	17.6%	3.4%	0.1%
2003	\$6,518,867	34.6%	24.8%	22.8%	14.7%	3.0%	0.1%
2004	\$6,571,250	42.5%	9.3%	32.5%	12.8%	2.9%	0.0%
2005	\$6,373,599	38.6%	13.9%	34.3%	10.9%	2.3%	0.02%
2006	\$5,949,386	58.4%	15.2%	10.7%	10.8%	4.3%	0.7%
2007	\$5,143,176	58.7%	12.6%	11.2%	11.1%	6.4%	‡
2008	\$2,814,519	42.9%	9.7%	21.8%	18.9%	6.6%	0.1%
2009	\$2,632,707	49.4%	3.3%	31.8%	10.0%	5.6%	‡
2010	\$7,569,464	18.3%	17.3%	62.0%	1.9%	0.5%	0.0%
2011	\$7,058,726	18.6%	17.3%	58.7%	5.4%	‡	0.0%
2012	\$7,457,754	29.6%	12.4%	52.3%	4.9%	0.8%	0.1%
2013	\$8,727,524	27.9%	27.2%	36.5%	7.7%	0.4%	0.2%
2014	\$12,787,029	25.4%	27.6%	41.0%	5.7%	0.2%	0.1%
2015	\$6,954,341	31.0%	18.4%	36.3%	13.2%	1.2%	‡
2016	\$6,953,915	32.4%	14.9%	44.2%	7.9%	0.5%	0.2%
2017	\$7,125,059	35.6%	16.9%	29.9%	16.5%	0.8%	0.2%

† The summation of commercial landings of blue crabs, brown shrimp, white shrimp, oysters, freshwater fish, and saltwater fish other than menhaden.

∗ Real dockside values are expressed in constant 2017 dollars.

‡ Values for saltwater fish in 2011 and for freshwater fish in 2007, 2009, and 2015 are withheld to maintain confidentiality standards. The combined value estimates for those years are approximation excluding those landings.

Table 19. Percentage of the Volume of Statewide Landings of Specified Seafood Types Derived from Trip Ticket Area 209

Year	Combined Species	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	1.9%	2.1%	2.5%	1.4%	3.1%	1.5%	0.4%
2001	2.4%	4.3%	2.5%	2.0%	1.2%	1.6%	0.2%
2002	2.6%	5.3%	2.1%	1.5%	2.5%	1.6%	0.0%
2003	2.6%	5.1%	2.6%	1.8%	2.0%	1.2%	0.1%
2004	2.8%	7.2%	1.6%	2.1%	1.8%	1.1%	0.0%
2005	2.8%	6.5%	1.8%	2.2%	1.6%	1.2%	0.0%
2006	2.9%	8.0%	2.5%	0.7%	1.4%	2.4%	0.5%
2007	2.3%	6.5%	1.3%	0.7%	1.1%	3.1%	‡
2008	1.4%	3.1%	1.1%	0.7%	1.0%	2.3%	0.0%
2009	1.4%	2.9%	0.3%	1.0%	0.5%	1.7%	‡
2010	4.4%	4.4%	5.9%	5.5%	0.6%	0.5%	0.0%
2011	3.1%	3.8%	4.4%	3.4%	0.8%	‡	0.0%
2012	3.2%	4.9%	3.0%	3.5%	0.7%	0.5%	0.1%
2013	2.9%	4.9%	4.1%	2.1%	1.2%	0.4%	0.3%
2014	3.4%	4.7%	4.4%	3.6%	1.0%	0.3%	0.1%
2015	3.0%	3.9%	4.7%	3.0%	1.0%	0.8%	‡
2016	2.9%	4.5%	5.3%	2.4%	0.8%	0.3%	0.2%
2017	3.0%	4.8%	5.1%	2.4%	1.2%	0.6%	0.3%

‡ Values for saltwater fish in 2011 and for freshwater fish in 2007, 2009, and 2015 are withheld to maintain confidentiality standards.

Table 20. Percentage of the Value of Statewide Landings of Specified Seafood Types Derived from Trip Ticket Area 209

Year	Combined Species	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	1.7%	2.1%	2.0%	1.2%	3.6%	0.7%	0.5%
2001	1.9%	4.2%	2.2%	1.5%	1.4%	0.7%	0.4%
2002	2.1%	5.2%	2.1%	1.2%	2.8%	0.6%	0.1%
2003	2.2%	5.1%	2.3%	1.4%	2.2%	0.6%	0.1%
2004	2.2%	7.4%	1.2%	1.7%	1.9%	0.6%	0.0%
2005	2.4%	7.3%	1.7%	1.9%	1.7%	0.6%	0.0%
2006	2.1%	9.0%	1.9%	0.5%	1.5%	1.1%	0.7%
2007	1.8%	7.2%	1.2%	0.5%	1.2%	1.5%	‡
2008	1.0%	3.1%	0.9%	0.5%	1.2%	1.1%	0.1%
2009	1.0%	3.0%	0.3%	0.8%	0.5%	0.8%	‡
2010	3.9%	4.1%	5.3%	5.0%	0.5%	0.3%	0.0%
2011	2.8%	3.2%	3.3%	3.9%	0.8%	‡	0.1%
2012	2.7%	4.6%	2.6%	3.2%	0.8%	0.3%	0.1%
2013	2.7%	4.4%	4.3%	2.3%	1.4%	0.2%	0.3%
2014	3.1%	4.6%	3.9%	3.4%	1.0%	0.1%	0.1%
2015	2.3%	3.6%	4.2%	2.7%	1.0%	0.4%	‡
2016	2.4%	4.4%	5.2%	2.5%	0.8%	0.2%	0.2%
2017	2.4%	4.7%	5.4%	1.9%	1.4%	0.3%	0.3%

‡ Values for saltwater fish in 2011 and for freshwater fish in 2007, 2009, and 2015 are withheld to maintain confidentiality standards.

Commercial Blue Crab Landings from Area 209

The volume of blue crabs harvested from Area 209 in 2017 (Table 21) was 2.1 million pounds with a dockside value of \$2.5 million. One hundred commercial fishers completed 5,702 trips with crab landings. The estimated volume per trip was 370.8 pounds per trip.

Average annual landings for blue crabs in Area 209 were about 2.2 million pounds in the early third and middle third of the study period. Average annual landings in the late third were 1.96 million (Table 22).

Commercial Brown Shrimp Landings from Area 209

In 2017 commercial landings of brown shrimp for Area 209 (Table 23) were 1.3 million pounds and \$1.2 million. One hundred eighty-one commercial fishers landed brown shrimp landings during 836 trips completed within the area.

Annual landings of brown shrimp from Area 209 averaged 1.2 million pounds and \$1.7 million in the early third of the study period, 0.83 million pounds and \$0.74 million in the middle third, and 1.4 million pounds and \$1.7 million in the recent third (Table 24).

Table 21. Trip Ticket Commercial Landings Statistics for Blue Crabs from Area 209

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value [†]	Fishers	Trips	Real Value per Pound [†]	Pounds per Trip [†]
2000	1,076,009	\$712,643	\$987,064	199	4,328	\$0.92	248.6
2001	1,802,616	\$1,361,268	\$1,843,443	226	7,139	\$1.02	252.5
2002	2,674,802	\$1,602,767	\$2,137,679	255	7,657	\$0.80	349.3
2003	2,452,848	\$1,723,808	\$2,254,154	243	8,556	\$0.92	286.7
2004	3,183,061	\$2,192,492	\$2,790,320	234	10,053	\$0.88	316.6
2005	2,460,971	\$1,994,820	\$2,459,597	179	6,604	\$1.00	372.6
2006	4,271,397	\$2,903,229	\$3,472,957	150	7,143	\$0.81	598.0
2007	2,994,919	\$2,592,855	\$3,021,276	165	6,717	\$1.01	445.9
2008	1,364,015	\$1,055,659	\$1,206,424	119	3,926	\$0.88	347.4
2009	1,571,667	\$1,145,785	\$1,299,549	108	4,953	\$0.83	317.3
2010	1,368,506	\$1,239,510	\$1,388,886	156	3,661	\$1.01	373.8
2011	1,653,087	\$1,192,835	\$1,309,557	153	5,273	\$0.79	313.5
2012	2,284,480	\$2,045,143	\$2,204,636	134	6,158	\$0.97	371.0
2013	1,904,710	\$2,297,835	\$2,437,683	130	5,448	\$1.28	349.6
2014	2,043,582	\$3,115,822	\$3,247,174	135	5,648	\$1.59	361.8
2015	1,604,893	\$2,087,786	\$2,152,453	132	6,091	\$1.34	263.5
2016	1,822,501	\$2,210,300	\$2,250,058	129	5,698	\$1.23	319.8
2017	2,114,298	\$2,538,014	\$2,538,014	102	5,702	\$1.20	370.8

[†] Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
[†] Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 22. Summary Statistics for Blue Crab Landings from Area 209

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound [†]	Pounds per Trip [†]
Average	2,147,131	\$2,166,718	164	6,153	\$1.03	348
Standard Deviation	757,349	699,878	47	1,556	0.21	78
Early Third: 2000-2005						
Average	2,275,051	\$2,078,710	223	7,390	\$0.92	304
Standard Deviation	672,230	567,563	26	1,760	0.07	46
Middle Third: 2006-2011						
Average	2,203,932	\$1,949,775	142	5,279	\$0.89	399
Standard Deviation	1,080,637	928,084	21	1,297	0.09	99
Recent Third: 2012-2017						
Average	1,962,411	\$2,471,670	127	5,791	\$1.27	339
Standard Deviation	217,604	371,771	11	251	0.18	38

Table 23. Trip Ticket Commercial Landings Statistics for Brown Shrimp from Area 209

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	1,555,855	\$1,970,914	\$2,729,862	383	2,455	\$1.75	633.7
2001	1,604,178	\$2,086,046	\$2,824,946	367	2,047	\$1.76	783.7
2002	1,112,611	\$1,275,336	\$1,700,970	351	1,600	\$1.53	695.4
2003	1,542,084	\$1,235,921	\$1,616,164	366	1,598	\$1.05	965.0
2004	904,332	\$478,558	\$609,047	236	818	\$0.67	1,105.5
2005	711,645	\$718,130	\$885,448	230	808	\$1.24	880.7
2006	1,222,777	\$753,820	\$901,749	222	850	\$0.74	1,438.6
2007	616,900	\$555,087	\$646,804	182	579	\$1.05	1,065.5
2008	328,764	\$238,489	\$272,548	127	287	\$0.83	1,145.5
2009	106,080	\$76,510	\$86,777	71	119	\$0.82	891.4
2010	994,903	\$1,165,332	\$1,305,768	194	555	\$1.31	1,792.6
2011	1,685,146	\$1,114,647	\$1,223,718	265	968	\$0.73	1,740.9
2012	882,380	\$856,166	\$922,935	204	686	\$1.05	1,286.3
2013	1,627,610	\$2,238,705	\$2,374,955	212	1,129	\$1.46	1,441.6
2014	1,924,416	\$3,391,049	\$3,534,003	288	1,273	\$1.84	1,511.7
2015	1,496,018	\$1,241,373	\$1,279,824	241	768	\$0.86	1,947.9
2016	1,302,552	\$1,019,915	\$1,038,261	191	832	\$0.80	1,565.6
2017	1,250,692	\$1,203,686	\$1,203,686	181	836	\$0.96	1,496.0

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 24. Summary Statistics for Brown Shrimp Landings from Area 209

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	1,159,386	\$1,397,637	240	1,012	\$1.14	1,244
Standard Deviation	482,687	900,424	83	576	0.38	383
Early Third: 2000-2005						
Average	1,238,451	\$1,727,740	322	1,554	\$1.33	844
Standard Deviation	349,211	834,886	64	600	0.39	160
Middle Third: 2006-2011						
Average	825,762	\$739,561	177	560	\$0.91	1,346
Standard Deviation	537,485	453,530	63	294	0.21	339
Recent Third: 2012-2017						
Average	1,413,945	\$1,725,611	220	921	\$1.16	1,542
Standard Deviation	325,215	938,065	36	209	0.37	202

Commercial White Shrimp Landings from Area 209

Commercial landings of white shrimp for Area 209 in 2017 (Table 25) were 1.7 million pounds and \$2.1 million. Two hundred twenty-four commercial fishers completed 1,075 trips with white shrimp landings in the area that year.

Average annual landings of white shrimp were 1.2 million pounds and \$1.9 million in the early third of the study period, 1.2 million pounds and \$1.9 million in the middle third, and 1.9 million pounds and \$3.3 million in the recent third (Table 26).

Commercial Oyster Landings from Area 209

The volume of oysters from Area 209 (Table 27) in 2017 was 153,451 pounds of meat with a real dockside value of \$1.2 million. Three dozen commercial fishers completed 459 trips with reported oyster landings from the area during the year.

Average annual landings of oysters during the early third of the study period were 274,204 pounds and \$936,274 (Table 28). Average annual landings were 105,400 pounds (\$422,292) in the middle third and 121,611 pounds (\$734,494) in the late third.

Commercial Saltwater Fish Landings from Area 209

Cumulative landings from Area 209 of all saltwater fish species other than menhaden in 2017 were 64,294 pounds and \$58,852 (Table 29). Twenty-nine commercial fishers made 156 trips in Area 209 in 2017 with an estimated per trip volume of 412 pounds per trip.

Average annual landings exceeded 200,000 pounds in the early and middle thirds of the study period (Table 30). The average for the recent third was down to 57,462 pounds.

Commercial Freshwater Fish Landings from Area 209

In 2017, the cumulative landings of all freshwater fish landings from Area 209 (Table 31) were 34,034, the highest reported volume for the area in over 10 years. Only four commercial fishermen reported landing freshwater fish from the area that year.

Average annual landings were about 15,000 pounds in the early and middle thirds of the study period (Table 32). The average for the recent third was 21,939 pounds.

Table 25. Trip Ticket Commercial Landings Statistics for White Shrimp from Area 209

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	1,098,794	\$1,921,529	\$2,661,461	348	2,195	\$2.42	500.6
2001	1,135,015	\$1,454,631	\$1,969,876	343	2,196	\$1.74	516.9
2002	702,045	\$937,475	\$1,250,350	262	1,376	\$1.78	510.2
2003	1,160,858	\$1,134,527	\$1,483,576	395	2,401	\$1.28	483.5
2004	1,571,420	\$1,679,287	\$2,137,179	343	1,981	\$1.36	793.2
2005	1,328,193	\$1,772,623	\$2,185,630	242	1,071	\$1.65	1,240.1
2006	604,957	\$531,490	\$635,789	178	870	\$1.05	695.4
2007	464,126	\$495,641	\$577,537	171	622	\$1.24	746.2
2008	456,196	\$538,084	\$614,930	135	439	\$1.35	1,039.2
2009	822,915	\$737,561	\$836,541	161	875	\$1.02	940.5
2010	3,137,194	\$4,186,560	\$4,691,090	290	1,357	\$1.50	2,311.9
2011	1,764,984	\$3,771,982	\$4,141,080	310	1,868	\$2.35	944.9
2012	2,485,044	\$3,619,619	\$3,901,898	276	1,583	\$1.57	1,569.8
2013	1,187,758	\$3,004,433	\$3,187,286	244	1,358	\$2.68	874.6
2014	2,511,306	\$5,029,695	\$5,241,728	307	1,823	\$2.09	1,377.6
2015	1,937,414	\$2,450,379	\$2,526,278	287	1,297	\$1.30	1,493.8
2016	1,799,072	\$3,019,234	\$3,073,544	220	1,204	\$1.71	1,494.2
2017	1,661,529	\$2,131,214	\$2,131,214	224	1,075	\$1.28	1,545.6

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 26. Summary Statistics for White Shrimp Landings from Area 209

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	1,434,934	\$2,402,610	263	1,422	\$1.63	1,060
Standard Deviation	729,326	1,381,781	71	547	0.46	482
Early Third: 2000-2005						
Average	1,166,054	\$1,948,012	322	1,870	\$1.71	674
Standard Deviation	261,862	466,220	53	481	0.37	275
Middle Third: 2006-2011						
Average	1,208,395	\$1,916,161	208	1,005	\$1.42	1,113
Standard Deviation	971,470	1,776,727	67	478	0.45	549
Recent Third: 2012-2017						
Average	1,930,354	\$3,343,658	260	1,390	\$1.77	1,393
Standard Deviation	462,995	1,012,410	33	248	0.49	239

Table 27. Trip Ticket Commercial Landings Statistics for All Oysters from Area 209

Year	Volume (Pounds*)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	398,901	\$995,376	\$1,378,669	59	1,031	\$3.46	386.9
2001	182,398	\$442,112	\$598,713	31	414	\$3.28	440.6
2002	350,232	\$853,299	\$1,138,081	20	666	\$3.25	525.9
2003	274,684	\$735,227	\$961,427	32	599	\$3.50	458.6
2004	243,502	\$663,103	\$843,912	35	501	\$3.47	486.0
2005	195,504	\$565,163	\$696,841	33	441	\$3.56	443.3
2006	158,023	\$537,076	\$642,471	13	295	\$4.07	535.7
2007	146,426	\$488,916	\$569,700	27	270	\$3.89	542.3
2008	131,723	\$466,099	\$532,665	19	254	\$4.04	518.6
2009	69,967	\$231,070	\$262,079	13	166	\$3.75	421.5
2010	40,198	\$130,083	\$145,759	6	84	\$3.63	478.5
2011	86,064	\$347,112	\$381,078	8	170	\$4.43	506.3
2012	74,923	\$340,232	\$366,765	8	180	\$4.90	416.2
2013	133,560	\$633,880	\$672,458	8	287	\$5.03	465.4
2014	123,721	\$698,376	\$727,817	19	425	\$5.88	291.1
2015	149,647	\$887,143	\$914,622	21	466	\$6.11	321.1
2016	94,365	\$537,313	\$546,978	16	300	\$5.80	314.5
2017	153,451	\$1,178,322	\$1,178,322	36	459	\$7.68	334.3

* Landings are reported in pound of oyster meat.
 * Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 28. Summary Statistics for Oyster Landings from Area 209

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	167,072	\$697,687	22	389	\$4.43	438
Standard Deviation	93,355	317,240	13	218	1.20	78
Early Third: 2000-2005						
Average	274,204	\$936,274	35	609	\$3.42	457
Standard Deviation	78,416	263,590	12	208	0.11	43
Middle Third: 2006-2011						
Average	105,400	\$422,292	14	207	\$3.97	500
Standard Deviation	42,868	176,176	7	73	0.26	41
Recent Third: 2012-2017						
Average	121,611	\$734,494	18	353	\$5.90	357
Standard Deviation	28,487	259,393	9	105	0.91	62

Table 29. Trip Ticket Commercial Landings Statistics for Saltwater Fish from Area 209

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	380,655	\$231,694	\$320,913	107	1,160	\$0.84	328
2001	298,637	\$158,388	\$214,490	112	1,256	\$0.72	238
2002	287,936	\$163,229	\$217,705	81	943	\$0.76	305
2003	252,316	\$151,589	\$198,227	71	869	\$0.79	290
2004	230,379	\$149,055	\$189,698	78	749	\$0.82	308
2005	143,004	\$117,426	\$144,785	49	465	\$1.01	308
2006	313,914	\$215,166	\$257,391	45	762	\$0.82	412
2007	389,978	\$281,368	\$327,859	55	804	\$0.84	485
2008	235,514	\$162,021	\$185,160	48	539	\$0.79	437
2009	183,772	\$130,277	\$147,760	79	609	\$0.80	302
2010	45,006	\$32,922	\$36,889	26	115	\$0.82	391
2011	‡	‡	‡	‡	‡	‡	‡
2012	69,362	\$52,177	\$56,246	47	285	\$0.81	243
2013	45,168	\$36,344	\$38,556	37	216	\$0.85	209
2014	36,060	\$28,433	\$29,632	36	291	\$0.82	124
2015	95,968	\$78,726	\$81,164	42	485	\$0.85	198
2016	33,917	\$33,609	\$34,214	21	197	\$1.01	172
2017	64,294	\$58,852	\$58,852	29	156	\$0.92	412

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.
 ‡ Values for saltwater fish in 2011 are withheld to maintain confidentiality standards.

Table 30. Summary Statistics for Saltwater Fish Landings from Area 209

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	182,699	\$149,385	57	582	\$0.84	304
Standard Deviation	121,576	97,386	26	342	0.07	97
Early Third: 2000-2005						
Average	265,488	\$214,303	83	907	\$0.82	296
Standard Deviation	72,197	53,345	21	261	0.09	28
Middle Third: 2006-2011						
Average	233,637	\$191,012	51	566	\$0.81	405
Standard Deviation	117,438	98,785	17	245	0.02	60
Recent Third: 2012-2017						
Average	57,462	\$49,777	35	272	\$0.88	226
Standard Deviation	21,735	17,717	8	107	0.07	91

Table 31. Trip Ticket Commercial Landings Statistics for Freshwater Fish from Area 209

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	42,563	\$24,087	\$33,362	31	145	\$0.78	293.5
2001	27,911	\$18,551	\$25,122	34	176	\$0.90	158.6
2002	5,737	\$4,136	\$5,516	7	12	\$0.96	478.1
2003	6,188	\$4,068	\$5,319	12	35	\$0.86	176.8
2004	1,780	\$861	\$1,095	4	5	\$0.62	355.9
2005	2,865	\$1,053	\$1,298	6	8	\$0.45	358.1
2006	54,768	\$32,626	\$39,029	7	20	\$0.71	2,738.4
2007	‡	‡	‡	‡	‡	‡	‡
2008	3,960	\$2,443	\$2,792	3	8	\$0.71	494.9
2009	‡	‡	‡	‡	‡	‡	‡
2010	1,144	\$958	\$1,073	3	5	\$0.94	228.8
2011	3,770	\$2,999	\$3,293	6	9	\$0.87	418.9
2012	6,272	\$4,892	\$5,273	8	16	\$0.84	392.0
2013	30,981	\$15,635	\$16,587	5	20	\$0.54	1,549.1
2014	14,189	\$6,405	\$6,675	8	11	\$0.47	1,289.9
2015	‡	‡	‡	‡	‡	‡	‡
2016	24,218	\$10,668	\$10,859	3	56	\$0.45	432.5
2017	34,034	\$14,972	\$14,972	4	60	\$0.44	567.2

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.
 ‡ Values 2007, 2009, and 2015 are withheld to maintain confidentiality standards.

Table 32. Summary Statistics for Freshwater Fish Landings from Area 209

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	17,359	\$11,484	9	39	\$0.70	662
Standard Deviation	16,592	11,719	9	51	0.19	671
Early Third: 2000-2005						
Average	14,507	\$11,952	16	64	\$0.76	304
Standard Deviation	15,332	12,574	12	70	0.18	111
Middle Third: 2006-2011						
Average	15,911	\$11,547	5	11	\$0.81	970
Standard Deviation	22,462	15,888	2	6	0.10	1,025
Recent Third: 2012-2017						
Average	21,939	\$10,873	6	33	\$0.55	846
Standard Deviation	10,380	4,437	2	21	0.15	479

Combined Volume & Dockside Value of Commercial Seafood Landings from Trip Ticket Area 210

The volume and real dockside value of combined seafood landings in Area 210, situated on the western side of the Mississippi River in Plaquemines Parish, averaged about 10 million pounds and \$23 million dollars, respectively, between 2000 and 2017 but varied notably during the period. The combined volume ranged between a minimum of 5.3 million pounds in 2010 and a maximum of 15.6 million in 2014 (Table 33). Combined real dockside value fluctuated between \$8.5 million in 2002 (3.3 percent of the statewide value of combined seafood landings) and \$44.9 million in 2017 (6.7 percent of the statewide value).

In 2017, brown and white shrimp accounted for 49.4 percent of the combined volume (Table 33) and 15.2 percent of the combined value (Table 34) of landings in Area 210. Oysters represented 42.3 percent of the area's combined volume and 82.7 percent of the combined value. Blue crabs were 4.7 percent of the area's combined volume and 1.4 percent of the combined value.

The relative importance of different seafood types changed since the beginning of the study period. In 2000, brown and white shrimp comprised 70.2 percent of the combined volume and 63.1 percent of the combined value for Area 210 while oysters accounted for 18.7 percent of the area's combined volume and 31.7 percent of its combined value.

Table 33. Combined[†] Volume of Commercial Seafood Landings from Trip Ticket Area 210 and Percentage Derived from Specified Seafood Types

Year	Volume (Pounds)	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	10,434,932	9.7%	36.4%	33.8%	18.7%	0.8%	0.6%
2001	10,275,659	10.0%	46.6%	28.6%	14.0%	0.4%	0.4%
2002	6,525,787	15.3%	42.7%	36.2%	3.2%	1.5%	1.1%
2003	8,862,456	13.0%	22.3%	35.6%	27.1%	1.6%	0.3%
2004	10,697,825	9.2%	20.3%	36.1%	33.5%	0.8%	0.1%
2005	6,928,173	8.3%	33.8%	18.0%	39.3%	0.6%	0.04%
2006	9,311,168	11.6%	22.0%	42.7%	23.5%	0.2%	0.0%
2007	10,568,278	6.2%	27.3%	42.2%	20.9%	3.3%	0.0%
2008	7,216,614	13.1%	23.2%	38.7%	24.6%	0.2%	0.1%
2009	9,323,239	11.3%	11.3%	40.3%	36.7%	0.4%	0.1%
2010	5,312,045	8.0%	12.2%	57.7%	20.0%	1.7%	0.5%
2011	8,657,134	10.8%	17.4%	29.2%	36.9%	4.3%	1.3%
2012	10,334,517	10.7%	13.7%	32.0%	36.4%	4.3%	2.9%
2013	11,303,161	10.1%	22.6%	33.2%	28.7%	4.2%	1.3%
2014	15,633,807	5.3%	30.2%	36.3%	25.1%	2.0%	1.1%
2015	13,436,089	5.8%	14.3%	44.3%	32.2%	2.7%	0.7%
2016	11,822,952	5.5%	18.0%	39.7%	31.4%	2.1%	3.3%
2017	11,664,254	4.7%	15.1%	34.3%	42.3%	0.8%	2.8%

[†] The summation of commercial landings of blue crabs, brown shrimp, white shrimp, oysters, freshwater fish, and saltwater fish other than menhaden.

Table 34. Combined[†] Real Dockside Value of Commercial Seafood Landings from Trip Ticket Area 210 and Percentage Derived from Specified Seafood Types

Year	Real Dockside Value[*]	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	\$21,050,687	4.3%	27.8%	35.3%	31.7%	0.6%	0.2%
2001	\$18,938,793	5.0%	40.3%	29.2%	25.1%	0.2%	0.1%
2002	\$8,511,436	9.4%	36.0%	44.7%	8.4%	0.8%	0.6%
2003	\$14,528,980	6.6%	10.7%	26.6%	55.1%	0.7%	0.2%
2004	\$18,719,034	4.4%	7.4%	25.8%	61.9%	0.4%	0.1%
2005	\$14,141,901	4.3%	14.8%	13.8%	66.6%	0.3%	0.1%
2006	\$16,200,109	5.2%	10.1%	28.5%	56.0%	0.1%	0.0%
2007	\$18,010,748	4.2%	14.3%	30.8%	49.9%	0.8%	0.1%
2008	\$13,400,948	6.4%	12.0%	32.6%	48.8%	0.2%	0.1%
2009	\$19,727,963	4.6%	4.0%	20.5%	70.6%	0.2%	0.1%
2010	\$10,119,887	5.5%	8.6%	39.2%	45.9%	0.6%	0.2%
2011	\$22,002,184	4.2%	4.8%	20.1%	69.6%	0.9%	0.4%
2012	\$26,276,629	4.1%	5.2%	18.3%	70.8%	1.0%	0.6%
2013	\$29,539,535	5.1%	11.3%	27.8%	54.3%	1.2%	0.3%
2014	\$46,646,889	2.7%	18.9%	22.3%	55.4%	0.5%	0.2%
2015	\$41,579,050	2.5%	3.8%	16.8%	76.1%	0.5%	0.1%
2016	\$33,624,159	2.5%	4.0%	22.2%	70.1%	0.7%	0.6%
2017	\$44,921,504	1.4%	2.9%	12.3%	82.7%	0.2%	0.4%
[†] The summation of commercial landings of blue crabs, brown shrimp, white shrimp, oysters, freshwater fish, and saltwater fish other than menhaden. [*] Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.							

Trip Ticket Area 210 has provided a considerable portion of Louisiana’s statewide oyster harvest throughout the study period. In 2017, the area produced 37.1 percent (Table 35) of the state’s 13.3 million pounds of oysters and 44.2 percent (Table 36) of the year’s total \$84.1 million dockside value.

In the same year, Area 210 accounted for 7.2 percent of the volume of all brown shrimp landings in the state and 5.8 percent of the volume of white shrimp. The area produced 2.7 percent of the total volume of freshwater fish, 1.3 percent of the total volume of blue crabs, and 0.9 percent of the total volume of saltwater fish other than menhaden.

Table 35. Percentage of the Volume of Statewide Landings of Specified Seafood Types Derived from Trip Ticket Area 210

Year	Combined Species	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	4.3%	1.9%	6.2%	4.5%	15.3%	0.3%	0.6%
2001	4.9%	2.5%	7.5%	5.2%	9.5%	0.2%	0.3%
2002	3.3%	2.0%	5.2%	5.0%	1.5%	0.5%	0.6%
2003	4.1%	2.4%	3.3%	4.9%	17.6%	0.7%	0.2%
2004	4.8%	2.2%	3.9%	5.2%	25.8%	0.4%	0.1%
2005	4.0%	1.5%	6.0%	2.0%	22.5%	0.3%	0.02%
2006	4.1%	2.0%	4.3%	4.4%	18.9%	0.1%	0.0%
2007	5.4%	1.4%	6.2%	6.8%	17.2%	2.8%	0.03%
2008	4.1%	2.1%	5.8%	4.2%	13.4%	0.2%	0.1%
2009	4.6%	1.9%	3.1%	4.8%	22.9%	0.4%	0.05%
2010	4.1%	1.4%	3.8%	5.4%	15.4%	1.1%	0.3%
2011	5.1%	2.1%	4.0%	4.9%	28.6%	3.4%	1.0%
2012	5.6%	2.4%	4.9%	4.7%	33.1%	3.3%	2.5%
2013	6.6%	2.9%	6.4%	6.6%	28.4%	4.1%	1.2%
2014	8.1%	1.9%	10.9%	8.1%	30.8%	2.7%	1.4%
2015	7.6%	1.9%	6.0%	9.2%	29.3%	3.1%	0.8%
2016	6.7%	1.6%	8.7%	6.3%	29.8%	2.2%	3.1%
2017	6.7%	1.3%	7.2%	5.8%	37.1%	0.9%	2.7%

Table 36. Percentage of the Value of Statewide Landings of Specified Seafood Types Derived from Trip Ticket Area 210

Year	Combined Species	Blue Crabs	Brown Shrimp	White Shrimp	Oysters	Saltwater Fish	Freshwater Fish
2000	4.3%	1.9%	4.3%	3.4%	17.5%	0.3%	0.8%
2001	4.9%	2.2%	6.0%	4.1%	11.0%	0.1%	0.5%
2002	2.8%	2.0%	3.7%	3.7%	1.8%	0.2%	1.0%
2003	4.8%	2.2%	2.2%	3.6%	18.4%	0.3%	0.8%
2004	6.3%	2.2%	2.6%	3.9%	26.1%	0.2%	0.4%
2005	5.3%	1.8%	4.1%	1.7%	22.9%	0.2%	0.2%
2006	5.6%	2.2%	3.5%	3.5%	20.8%	0.1%	0.0%
2007	6.3%	1.8%	4.8%	4.8%	19.3%	0.6%	0.2%
2008	5.0%	2.2%	5.1%	3.3%	14.2%	0.1%	0.3%
2009	7.6%	2.1%	2.7%	3.8%	24.2%	0.2%	0.6%
2010	5.2%	1.6%	3.6%	4.2%	16.6%	0.5%	0.6%
2011	8.8%	2.3%	2.9%	4.1%	33.5%	1.2%	1.6%
2012	9.5%	2.3%	3.8%	4.0%	40.9%	1.2%	2.9%
2013	9.3%	2.8%	6.1%	6.0%	33.6%	1.7%	1.5%
2014	11.3%	1.8%	9.7%	6.7%	36.6%	1.2%	1.6%
2015	13.8%	1.7%	5.3%	7.4%	35.2%	1.1%	0.8%
2016	11.5%	1.6%	6.8%	6.1%	32.7%	1.0%	3.5%
2017	15.2%	1.2%	6.0%	5.0%	44.2%	0.4%	3.4%

Commercial Blue Crab Landings from Area 210

The volume and real dockside value of blue crabs harvested from Area 210 (Table 37) in 2017 were 548,616 pounds and \$645,894. Estimated value per pound was \$1.18. That year 46 commercial fishers made 1,233 trips with crab landings with an estimate of 444.9 pounds per trip.

Average annual landings for blue crabs in Area 210 were 985,150 pounds and \$841,441 in the early third, 848,889 pounds and \$808,589 in the middle third, and 842,665 pounds and \$1.06 million in the recent third (Table 38).

Commercial Brown Shrimp Landings from Area 210

Brown shrimp and white shrimp were the most commonly landed shrimp species within Trip Ticket Area 210. The cumulative landings of brown shrimp and white shrimp from 2000 through 2017 comprised about 99 percent of the cumulative landings of all shrimp species harvested from the area during that period.

Commercial landings of brown shrimp for Area 210 (Table 39) were 1.8 million pounds and \$1.3 million in 2017. Commercial fishers with brown shrimp landings from the area numbered 268 that year and completed 1,435 trips.

Annual landings of brown shrimp averaged 3.0 million pounds and \$3.6 million in the early third of the study period, 1.6 million pounds and \$1.4 million in the middle third, and 2.4 million pounds and \$3.0 million in the recent third (Table 40).

Commercial White Shrimp Landings from Area 210

In 2017 commercial landings of white shrimp for Area 210 (Table 41) were 4.0 million pounds and \$5.5 million. Three hundred forty-six commercial fishers completed 3,362 trips with white shrimp landings that year.

Annual landings of white shrimp averaged 2.8 million pounds and \$4.6 million in the early third of the study period, 3.4 million pounds and \$4.5 million in the middle third, and 4.6 million pounds and \$7.2 million in the recent third (Table 42).

As the volume of both species harvested from Area 210 fluctuated during the study period, there appeared to be a relative shift from the brown shrimp toward white shrimp. The ratio of the volume of white shrimp landings to brown shrimp landings rose from 0.93 in 2000 and 0.61 in 2001 to 4.73 in 2010. The ratio of white shrimp to brown shrimp dropped to 1.20 in 2014, but climbed to 2.27 in 2017.

Commercial Oyster Landings from Area 210

The volume of oysters from both public reefs and private grounds within Area 210 (Table 43) reached period maxima of 4.9 million pounds of meat and \$37.2 million in 2017. The real value per pound (estimated as the quotient of total pounds divided by real dockside value) was also at a period high of \$7.53 per pound. Two hundred fifty-nine commercial fishers completed 18,201 trips during the year.

During the early third of the study period average annual landings were 2.1 million pounds and \$6.9 million (Table 44). Average annual landings were 2.3 million pounds and \$9.7 million in the middle third and 4.0 million pounds and \$25.5 million in the recent third. Average estimated real value per pound was \$3.36 per pound in the early third, \$4.19 per pound in the middle third, and \$6.28 per pound in the recent third.

In the early third of the study period, an average of 163 fishers made an average of 5,655 trips. Averages were 182 fishers and 6,171 trips in the middle third and 232 fishers and 12,405 trips in the recent third.

Table 37. Trip Ticket Commercial Landings Statistics for Blue Crabs from Area 210

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	1,007,730	\$655,509	\$907,928	96	3,400	\$0.90	296.4
2001	1,029,294	\$704,300	\$953,770	122	3,395	\$0.93	303.2
2002	996,080	\$600,622	\$801,075	101	3,239	\$0.80	307.5
2003	1,155,924	\$738,407	\$965,586	111	3,994	\$0.84	289.4
2004	987,674	\$642,332	\$817,477	95	3,534	\$0.83	279.5
2005	572,197	\$488,898	\$602,808	74	1,929	\$1.05	296.6
2006	1,080,979	\$706,848	\$845,559	73	2,567	\$0.78	421.1
2007	658,491	\$656,393	\$764,850	62	2,781	\$1.16	236.8
2008	944,161	\$748,068	\$854,903	60	2,690	\$0.91	351.0
2009	1,053,210	\$799,072	\$906,307	58	2,877	\$0.86	366.1
2010	423,855	\$494,462	\$554,050	53	1,339	\$1.31	316.5
2011	932,639	\$843,340	\$925,863	52	1,754	\$0.99	531.7
2012	1,104,186	\$1,011,334	\$1,090,204	63	2,140	\$0.99	516.0
2013	1,137,154	\$1,428,285	\$1,515,211	58	2,315	\$1.33	491.2
2014	828,286	\$1,208,854	\$1,259,815	55	1,952	\$1.52	424.3
2015	783,849	\$1,012,184	\$1,043,536	77	2,157	\$1.33	363.4
2016	653,899	\$810,956	\$825,544	66	1,692	\$1.26	386.5
2017	548,616	\$645,894	\$645,894	46	1,233	\$1.18	444.9

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 38. Summary Statistics for Blue Crab Landings from Area 210

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	883,235	\$904,465	73	2,499	\$1.05	368
Standard Deviation	218,330	222,401	22	774	0.22	84
Early Third: 2000-2005						
Average	958,150	\$841,441	100	3,249	\$0.89	295
Standard Deviation	181,615	123,558	15	635	0.08	9
Middle Third: 2006-2011						
Average	848,889	\$808,589	60	2,335	\$1.00	371
Standard Deviation	234,026	124,845	7	578	0.18	91
Recent Third: 2012-2017						
Average	842,665	\$1,063,367	61	1,915	\$1.27	438
Standard Deviation	216,364	281,281	10	362	0.16	54

Table 39. Trip Ticket Commercial Landings Statistics for Brown Shrimp from Area 210

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	3,800,986	\$4,224,653	\$5,851,459	518	4,060	\$1.54	936.2
2001	4,793,548	\$5,636,924	\$7,633,581	532	3,868	\$1.59	1,239.3
2002	2,786,718	\$2,299,420	\$3,066,835	416	2,691	\$1.10	1,035.6
2003	1,978,749	\$1,190,918	\$1,557,316	344	1,756	\$0.79	1,126.9
2004	2,175,813	\$1,083,693	\$1,379,184	308	1,413	\$0.63	1,539.9
2005	2,343,138	\$1,702,840	\$2,099,589	296	1,686	\$0.90	1,389.8
2006	2,048,433	\$1,374,485	\$1,644,213	217	1,134	\$0.80	1,806.4
2007	2,889,353	\$2,203,190	\$2,567,225	221	1,586	\$0.89	1,821.8
2008	1,677,757	\$1,403,276	\$1,603,685	187	1,227	\$0.96	1,367.4
2009	1,048,916	\$696,998	\$790,535	174	942	\$0.75	1,113.5
2010	647,417	\$775,503	\$868,960	139	484	\$1.34	1,337.6
2011	1,509,848	\$965,849	\$1,060,360	247	1,095	\$0.70	1,378.9
2012	1,420,023	\$1,278,823	\$1,378,553	223	1,270	\$0.97	1,118.1
2013	2,549,632	\$3,143,458	\$3,334,771	270	2,079	\$1.31	1,226.4
2014	4,718,847	\$8,446,067	\$8,802,122	368	2,487	\$1.87	1,897.4
2015	1,915,052	\$1,546,676	\$1,594,583	314	1,259	\$0.83	1,521.1
2016	2,123,016	\$1,326,837	\$1,350,704	271	1,468	\$0.64	1,446.2
2017	1,763,413	\$1,324,648	\$1,324,648	268	1,435	\$0.75	1,228.9

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 40. Summary Statistics for Brown Shrimp Landings from Area 210

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	2,343,926	\$2,661,574	295	1,774	\$1.02	1,363
Standard Deviation	1,097,135	2,286,813	106	927	0.35	266
Early Third: 2000-2005						
Average	2,979,825	\$3,597,994	402	2,579	\$1.09	1,211
Standard Deviation	1,004,585	2,344,458	95	1,057	0.36	206
Middle Third: 2006-2011						
Average	1,636,954	\$1,422,496	198	1,078	\$0.91	1,471
Standard Deviation	716,544	609,551	35	330	0.21	258
Recent Third: 2012-2017						
Average	2,414,997	\$2,964,230	286	1,666	\$1.06	1,406
Standard Deviation	1,085,939	2,704,942	45	458	0.42	259

Table 41. Trip Ticket Commercial Landings Statistics for White Shrimp from Area 210

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	3,524,941	\$5,364,305	\$7,429,960	618	5,744	\$2.11	613.7
2001	2,935,170	\$4,085,369	\$5,532,449	490	4,603	\$1.88	637.7
2002	2,359,327	\$2,851,969	\$3,803,793	410	3,104	\$1.61	760.1
2003	3,156,397	\$2,951,739	\$3,859,871	391	3,632	\$1.22	869.1
2004	3,862,303	\$3,796,898	\$4,832,200	384	3,786	\$1.25	1,020.2
2005	1,250,010	\$1,587,418	\$1,957,274	290	1,088	\$1.57	1,148.9
2006	3,975,585	\$3,858,861	\$4,616,122	318	2,356	\$1.16	1,687.4
2007	4,455,065	\$4,753,803	\$5,539,280	261	3,405	\$1.24	1,308.4
2008	2,793,179	\$3,817,301	\$4,362,469	226	2,178	\$1.56	1,282.5
2009	3,753,443	\$3,560,686	\$4,038,530	263	2,860	\$1.08	1,312.4
2010	3,062,475	\$3,541,992	\$3,968,844	272	1,893	\$1.30	1,617.8
2011	2,529,365	\$4,032,542	\$4,427,136	339	2,691	\$1.75	939.9
2012	3,307,631	\$4,448,616	\$4,795,546	368	2,692	\$1.45	1,228.7
2013	3,750,722	\$7,737,565	\$8,208,479	347	3,922	\$2.19	956.3
2014	5,673,282	\$9,983,317	\$10,404,177	415	4,214	\$1.83	1,346.3
2015	5,952,040	\$6,795,504	\$7,005,990	399	3,770	\$1.18	1,578.8
2016	4,699,460	\$7,345,783	\$7,477,918	362	3,930	\$1.59	1,195.8
2017	3,995,953	\$5,520,014	\$5,520,014	346	3,362	\$1.38	1,188.6

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
 * Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 42. Summary Statistics for White Shrimp Landings from Area 210

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	3,613,130	\$5,432,225	361	3,291	\$1.52	1,150
Standard Deviation	1,107,001	1,943,349	90	1,051	0.32	306
Early Third: 2000-2005						
Average	2,848,025	\$4,569,258	431	3,660	\$1.61	842
Standard Deviation	854,609	1,687,805	102	1,424	0.32	195
Middle Third: 2006-2011						
Average	3,428,185	\$4,492,064	280	2,564	\$1.35	1,358
Standard Deviation	683,712	518,413	38	492	0.23	245
Recent Third: 2012-2017						
Average	4,563,181	\$7,235,354	373	3,648	\$1.60	1,249
Standard Deviation	977,929	1,825,510	26	498	0.33	187

Table 43. Trip Ticket Commercial Landings Statistics for All Oysters from Area 210

Year	Volume (Pounds*)	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	1,954,037	\$4,823,912	\$6,681,476	152	4,512	\$3.42	433.1
2001	1,436,461	\$3,516,544	\$4,762,141	125	3,752	\$3.32	382.9
2002	211,951	\$538,382	\$718,063	20	398	\$3.39	532.5
2003	2,401,077	\$6,121,774	\$8,005,199	196	7,045	\$3.33	340.8
2004	3,578,913	\$9,106,090	\$11,589,053	256	10,163	\$3.24	352.2
2005	2,721,276	\$7,642,787	\$9,423,497	229	8,058	\$3.46	337.7
2006	2,187,871	\$7,587,342	\$9,076,277	127	5,587	\$4.15	391.6
2007	2,209,800	\$7,715,371	\$8,990,191	209	6,593	\$4.07	335.2
2008	1,776,474	\$5,725,617	\$6,543,322	179	4,485	\$3.68	396.1
2009	3,422,209	\$12,279,578	\$13,927,498	218	9,130	\$4.07	374.8
2010	1,061,404	\$4,144,879	\$4,644,386	151	2,972	\$4.38	357.1
2011	3,194,916	\$13,946,615	\$15,311,326	208	8,259	\$4.79	386.8
2012	3,761,028	\$17,248,040	\$18,593,145	215	9,536	\$4.94	394.4
2013	3,245,980	\$15,132,887	\$16,053,886	183	9,275	\$4.95	350.0
2014	3,918,687	\$24,801,866	\$25,847,423	229	11,493	\$6.60	341.0
2015	4,326,051	\$30,710,669	\$31,661,910	252	12,758	\$7.32	339.1
2016	3,708,999	\$23,137,718	\$23,553,915	255	13,166	\$6.35	281.7
2017	4,935,223	\$37,171,194	\$37,171,194	259	18,201	\$7.53	271.2

* Landings are reported in pound of oyster meat.
* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.
* Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 44. Summary Statistics for Oyster Landings from Area 210

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	2,780,687	\$14,030,763	192	8,077	\$4.61	367
Standard Deviation	1,189,372	9,655,095	59	4,149	1.38	56
Early Third: 2000-2005						
Average	2,050,619	\$6,863,238	163	5,655	\$3.36	397
Standard Deviation	1,054,791	3,473,786	78	3,178	0.07	69
Middle Third: 2006-2011						
Average	2,308,779	\$9,748,833	182	6,171	\$4.19	374
Standard Deviation	805,054	3,780,677	33	2,110	0.34	21
Recent Third: 2012-2017						
Average	3,982,661	\$25,480,217	232	12,405	\$6.28	330
Standard Deviation	531,679	7,245,932	27	2,976	1.03	42

Commercial Saltwater Fish Landings from Area 210

Cumulative landings of all saltwater fish species other than menhaden in 2017 were 98,904 pounds and \$83,113, the lowest levels since 2010 (Table 45). Forty-five commercial fishers completed 270 trips in 2017 with an estimated per trip volume of 366 pounds per trip.

Despite the relatively low landings for 2017, the average annual landings in Area 210 for the recent third of the study period were fairly high: 324,218 pound and \$232,438 (Table 46). Previously average annual landings were 80,911 pounds (\$76,479) in the early third of the study period and 148,818 pounds (\$80,524) in the middle third.

Commercial Freshwater Fish Landings from Area 210

In 2017, the cumulative landings of all freshwater fish landings from Area 210 (Table 47) were 322,145 pounds and \$176,641. Seventeen commercial fishers completed 233 trips with an estimated 1,382.6 pounds per trip.

Annual average landings for the area in the early third of the study period were 36,609 pounds (\$33,395) and 26,455 pounds (\$24,467) in the middle third (Table 48). The annual averages for the recent third were notably higher at 238,074 pounds and \$122,326.

Table 45. Trip Ticket Commercial Landings Statistics for Saltwater Fish from Area 210

Year	Volume (Pounds)	Current Dollar Value	Real Dockside Value[†]	Fishers	Trips	Real Value per Pound[†]	Pounds per Trip[†]
2000	81,098	\$92,230	\$127,745	143	454	\$1.58	179
2001	36,818	\$22,771	\$30,837	88	377	\$0.84	98
2002	98,240	\$53,190	\$70,941	118	524	\$0.72	187
2003	145,346	\$80,102	\$104,746	78	483	\$0.72	301
2004	84,967	\$61,655	\$78,467	87	378	\$0.92	225
2005	38,998	\$37,421	\$46,140	41	140	\$1.18	279
2006	18,300	\$14,996	\$17,938	23	47	\$0.98	389
2007	351,900	\$118,416	\$137,982	58	223	\$0.39	1,578
2008	17,015	\$19,213	\$21,956	28	109	\$1.29	156
2009	40,271	\$38,372	\$43,522	54	308	\$1.08	131
2010	89,077	\$55,440	\$62,121	24	64	\$0.70	1,392
2011	376,343	\$181,834	\$199,627	90	338	\$0.53	1,113
2012	444,848	\$247,172	\$266,448	82	499	\$0.60	891
2013	473,520	\$328,010	\$347,973	58	481	\$0.73	984
2014	318,118	\$239,727	\$249,833	45	496	\$0.79	641
2015	358,520	\$219,475	\$226,273	39	353	\$0.63	1,016
2016	251,399	\$217,081	\$220,986	43	357	\$0.88	704
2017	98,904	\$83,113	\$83,113	45	270	\$0.84	366

[†] Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.

[†] Pounds per trip is the quotient of pounds of landings divided by the number of (the number of) trips.

Table 46. Summary Statistics for Saltwater Fish Landings from Area 210

2000-2017	Volume (Pounds)	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	184,649	\$129,814	64	328	\$0.86	591
Standard Deviation	155,316	95,776	32	151	0.28	454
Early Third: 2000-2005						
Average	80,911	\$76,479	93	393	\$0.99	212
Standard Deviation	36,900	32,827	32	125	0.30	67
Middle Third: 2006-2011						
Average	148,818	\$80,524	46	182	\$0.83	793
Standard Deviation	154,255	66,511	24	115	0.32	589
Recent Third: 2012-2017						
Average	324,218	\$232,438	52	409	\$0.75	767
Standard Deviation	125,250	78,819	15	88	0.10	226

Table 47. Trip Ticket Commercial Landings Statistics for Freshwater Fish from Area 210

Year	Pounds	Current Dollar Value	Real Dockside Value*	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
2000	66,140	\$37,629	\$52,119	12	100	\$0.79	661.4
2001	44,368	\$19,210	\$26,015	12	58	\$0.59	765.0
2002	73,471	\$38,035	\$50,729	24	118	\$0.69	622.6
2003	24,963	\$27,730	\$36,262	19	168	\$1.45	148.6
2004	8,155	\$17,800	\$22,653	17	127	\$2.78	64.2
2005	2,554	\$10,214	\$12,593	7	77	\$4.93	33.2
2006	0	\$0	\$0	0	0	.	.
2007	3,669	\$9,629	\$11,220	7	36	\$3.06	101.9
2008	8,028	\$12,787	\$14,613	7	65	\$1.82	123.5
2009	5,190	\$19,018	\$21,571	7	80	\$4.16	64.9
2010	27,817	\$19,211	\$21,526	9	34	\$0.77	818.1
2011	114,023	\$70,931	\$77,872	35	195	\$0.68	584.7
2012	296,801	\$141,684	\$152,733	42	445	\$0.51	667.0
2013	146,153	\$74,671	\$79,215	19	144	\$0.54	1,015.0
2014	176,587	\$80,141	\$83,519	25	251	\$0.47	703.5
2015	100,577	\$45,353	\$46,758	7	75	\$0.46	1,341.0
2016	386,179	\$191,645	\$195,092	29	256	\$0.51	1,508.5
2017	322,145	\$176,641	\$176,641	17	233	\$0.55	1,382.6

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.

* Pounds per trip is the quotient of pounds of landings divided by (the number of) trips.

Table 48. Summary Statistics for Freshwater Fish Landings from Area 210

2000-2017	Pounds	Real Dockside Value	Fishers	Trips	Real Value per Pound*	Pounds per Trip*
Average	100,379	\$60,063	16	137	\$1.46	624
Standard Deviation	117,524	56,949	11	105	1.37	474
Early Third: 2000-2005						
Average	36,609	\$33,395	15	108	\$1.87	383
Standard Deviation	27,068	14,502	6	36	1.56	305
Middle Third: 2006-2011						
Average	26,455	\$24,467	11	68	\$2.10	339
Standard Deviation	40,168	24,968	11	62	1.34	306
Recent Third: 2012-2017						
Average	238,074	\$122,326	23	234	\$0.51	1,103
Standard Deviation	102,946	55,143	11	115	0.03	331

Conclusion

The average cumulative volume and real dockside value in Area 209, Area 210, and 211 between 2000 and 2017 were 4.6 million pounds and \$4.5 million for blue crabs (Table 49), 12.3 million pounds and \$14.5 million for brown shrimp (Table 50), 12.6 million pounds and \$21.0 million for white shrimp (Table 51), and 3.2 million pounds and \$16.6 million for oysters (Table 52). Average landings for saltwater fish other than menhaden summed across these three areas exceeded one million pounds (Table 53). Summed landings of freshwater fish were between 100,000 and 200,000 pounds (Table 54).

The dockside values of seafood landings within the three areas appear to be influenced to some degree by changes in the value per pound which are likely to have been driven by market forces beyond the confines of Barataria Bay. Recent increases in the value per pound of oysters, for example, have amplified the effect of increases in landings (especially in Area 210) on the bivalves' dockside values. In contrast, decreases in the dockside value per pound for brown shrimp appear to have exasperated the effect of declining landings on that species' dockside value.

This assessment is based entirely on the volume and real dockside value of the six specified seafood types harvested from three sections of Louisiana's waters. It does not include the value added from additional elements of the seafood marketing chain, such as processing or retailing, and does not consider changes in employment. These considerations may be explored in future research.

Table 49. Statistics for Summed Commercial Landings of Blue Crabs from Areas 209, 210, and 211

Year	Volume	Percentage of State	Real Dockside Value*	Percentage of State
2000	4,005,971	7.7%	\$3,704,009	7.8%
2001	4,453,070	10.6%	\$4,424,242	10.2%
2002	5,807,423	11.6%	\$4,524,131	11.1%
2003	4,938,263	10.3%	\$4,254,961	9.7%
2004	6,543,349	14.7%	\$5,365,995	14.2%
2005	5,095,887	13.4%	\$4,905,434	14.5%
2006	7,866,712	14.8%	\$6,430,515	16.6%
2007	5,827,025	12.6%	\$5,729,444	13.7%
2008	4,497,902	10.1%	\$3,773,864	9.5%
2009	4,782,630	8.7%	\$3,680,387	8.4%
2010	2,215,634	7.2%	\$2,378,125	7.0%
2011	3,601,681	8.2%	\$3,123,100	7.7%
2012	4,097,126	8.8%	\$3,928,277	8.3%
2013	4,162,484	10.6%	\$5,485,873	10.0%
2014	4,006,250	9.3%	\$6,189,393	8.8%
2015	3,351,350	8.1%	\$4,432,194	7.4%
2016	3,635,043	8.9%	\$4,311,566	8.4%
2017	4,208,924	9.6%	\$4,963,061	9.1%

Table 50. Statistics for Summed Commercial Landings of Brown Shrimp from Areas 209, 210, and 211

Year	Volume	Percentage of State	Real Dockside Value*	Percentage of State
2000	19,717,254	32.0%	\$37,108,135	27.0%
2001	19,673,987	30.7%	\$34,946,113	27.7%
2002	14,923,023	27.9%	\$19,782,682	24.1%
2003	16,956,250	28.6%	\$16,700,895	24.1%
2004	15,437,729	27.6%	\$11,317,929	21.6%
2005	12,052,277	31.0%	\$13,521,442	26.7%
2006	15,850,098	33.0%	\$12,940,618	27.8%
2007	16,587,826	35.6%	\$17,770,303	33.1%
2008	9,458,510	32.8%	\$8,517,324	27.3%
2009	7,300,528	21.8%	\$5,326,928	18.1%
2010	4,798,256	28.5%	\$6,009,742	24.6%
2011	12,535,464	32.8%	\$11,038,995	29.8%
2012	8,507,453	29.4%	\$9,098,744	25.3%
2013	7,216,991	18.2%	\$8,942,708	16.3%
2014	14,870,712	34.3%	\$28,660,441	31.5%
2015	9,518,399	29.9%	\$7,947,766	26.3%
2016	7,973,523	32.7%	\$5,265,198	26.3%
2017	7,767,223	31.5%	\$5,422,277	24.4%

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.

Table 51. Statistics for Summed Commercial Landings of White Shrimp from Areas 209, 210, and 211

Year	Volume	Percentage of State	Real Dockside Value*	Percentage of State
2000	10,324,477	13.2%	\$24,670,805	11.4%
2001	8,078,884	14.4%	\$16,123,245	12.0%
2002	6,342,437	13.5%	\$11,604,707	11.3%
2003	10,729,602	16.8%	\$15,348,105	14.2%
2004	14,643,050	19.6%	\$20,657,308	16.6%
2005	8,625,179	14.0%	\$14,835,046	13.1%
2006	15,845,032	17.7%	\$20,943,391	16.0%
2007	16,828,342	25.5%	\$29,010,227	25.4%
2008	15,350,091	23.1%	\$30,254,903	23.1%
2009	18,407,647	23.3%	\$23,610,761	22.1%
2010	12,964,597	22.9%	\$19,688,963	20.9%
2011	10,622,249	20.4%	\$22,108,598	20.6%
2012	12,282,579	17.3%	\$19,696,490	16.3%
2013	8,557,903	15.0%	\$19,174,758	14.1%
2014	16,129,958	23.0%	\$32,580,185	21.0%
2015	16,393,313	25.5%	\$20,712,715	22.0%
2016	13,091,629	17.6%	\$21,103,302	17.3%
2017	11,038,968	16.0%	\$15,212,694	13.7%

Table 52. Statistics for Summed Commercial Landings of Oysters from Areas 209, 210, and 211

Year	Volume	Percentage of State	Real Dockside Value*	Percentage of State
2000	2,695,993	21.1%	\$9,259,346	24.2%
2001	1,889,042	12.5%	\$6,261,673	14.5%
2002	894,422	6.4%	\$2,957,881	7.3%
2003	3,098,569	22.8%	\$10,489,951	24.1%
2004	4,119,892	29.7%	\$13,416,530	30.3%
2005	3,021,704	25.0%	\$10,512,678	25.6%
2006	2,416,017	20.9%	\$9,967,067	22.9%
2007	2,451,455	19.1%	\$10,015,618	21.5%
2008	2,079,076	15.7%	\$7,864,652	17.1%
2009	3,709,050	24.8%	\$15,142,412	26.3%
2010	1,171,704	17.0%	\$5,096,731	18.2%
2011	3,348,780	30.0%	\$15,964,547	34.9%
2012	3,900,806	34.3%	\$19,219,781	42.2%
2013	3,565,323	31.2%	\$17,532,733	36.7%
2014	4,384,257	34.5%	\$28,811,040	40.8%
2015	4,720,635	31.9%	\$33,961,634	37.7%
2016	4,035,656	32.5%	\$25,435,420	35.3%
2017	5,285,906	39.7%	\$39,506,571	46.9%

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.

Table 53. Statistics for Summed Commercial Landings of Saltwater Fish from Areas 209, 210, and 211

Year	Volume	Percentage of State	Real Dockside Value*	Percentage of State
2000	2,317,368	9.4%	\$1,392,643	3.2%
2001	2,245,370	11.7%	\$1,931,637	6.1%
2002	2,010,568	11.1%	\$1,610,284	4.7%
2003	1,771,060	8.8%	\$1,374,344	4.2%
2004	1,623,606	8.0%	\$1,578,542	4.7%
2005	716,587	6.0%	\$596,947	2.5%
2006	1,196,728	9.3%	\$1,400,781	6.0%
2007	1,901,156	15.0%	\$1,900,245	8.6%
2008	1,134,895	11.2%	\$1,455,765	8.9%
2009	483,858	4.5%	\$511,358	2.7%
2010	628,078	7.6%	\$649,878	5.7%
2011‡	<u>At least 722,526</u>	At least 6.5%	<u>At least \$555,828</u>	At least 3.5%
2012	844,724	6.3%	\$664,089	3.0%
2013	708,029	6.1%	\$569,330	2.9%
2014	683,311	5.9%	\$745,911	3.5%
2015	1,016,055	8.7%	\$766,840	3.7%
2016	730,002	6.3%	\$682,654	3.2%
2017	590,656	5.6%	\$424,038	2.2%

Table 54. Statistics for Summed Commercial Landings of Freshwater Fish from Areas 209, 210, and 211

Year	Volume	Percentage of State	Real Dockside Value*	Percentage of State
2000	121,876	1.0%	97,654	1.5%
2001	84,975	0.6%	\$66,112	1.2%
2002	105,920	0.8%	\$95,139	1.8%
2003	58,708	0.5%	\$97,769	2.1%
2004	33,291	0.3%	\$71,828	1.4%
2005	16,759	0.1%	\$27,415	0.5%
2006	60,965	0.5%	\$47,167	0.9%
2007‡	At least 19,903	At least 0.2%	At least \$36,386	At least 0.6%
2008	48,547	0.4%	\$67,775	1.4%
2009‡	At least 7,684	0.1%	At least \$28,848	At least 0.7%
2010	37,605	0.4%	\$27,932	0.8%
2011‡	At least 117,793	At least 1.0%	\$81,164	At least 1.7%
2012	312,077	2.6%	\$165,487	3.2%
2013	195,670	1.6%	\$116,065	2.2%
2014	212,232	1.7%	\$120,286	2.3%
2015‡	At least 132,999	At least 1.0%	At least \$78,945	At least 1.3%
2016	414,668	3.4%	\$206,801	3.7%
2017	460,975	3.8%	\$256,948	4.9%

* Real dockside values are expressed in constant 2017 dollars using the U.S. Bureau of Economics Implicit Price Deflator.

‡ The summations do not include values for certain areas in 2007, 2009, 2011, and 2015 which were withheld to maintain confidentiality standards.