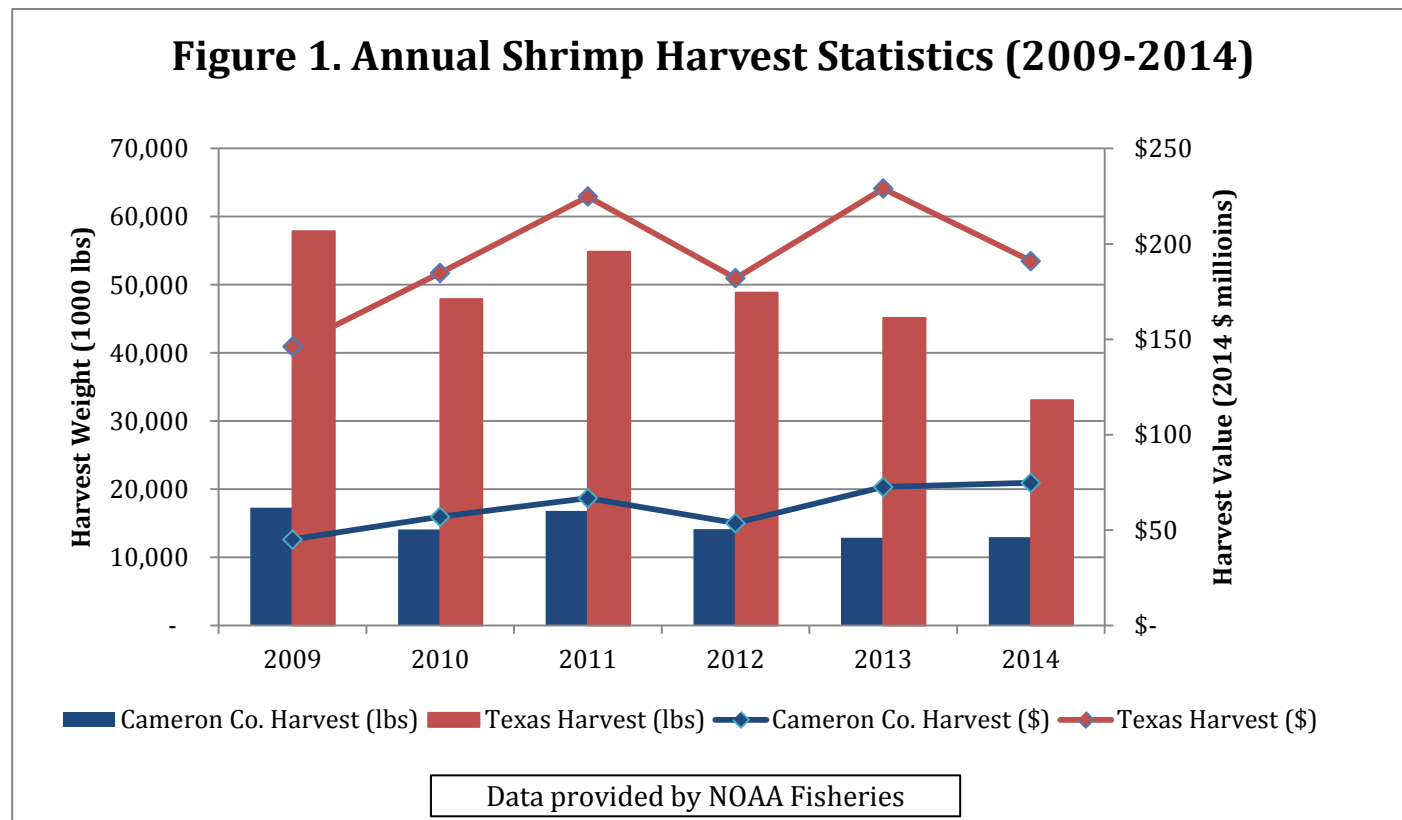


# Economic Impacts of the Cameron County Shrimp Fishery

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The Cameron County shrimp fishery is a vital part of both the Cameron County economy and the Texas shrimp industry. Between 2009 and 2014, Cameron County's shrimp harvest accounted for 31% of the total Texas shrimp harvest by weight and 32% of the total Texas shrimp harvest by value (Figure 1).



The economic impacts of the shrimp fishery on Cameron County are presented in Table 1 (estimates are in 2014 dollars). Based on data from 2009 to 2014, impacts were estimated for three different cases based on dockside revenues for 1) the best year (2014), 2) an average year (average of all years), and 3) the worst year (2009); different scenarios were analyzed to account for the wide variability in annual harvest revenues (see Figure 1). In addition to effects directly attributed to the shrimp harvesting sector (direct effects), estimates of indirect and induced impacts are also included. Indirect effects are economic impacts due to purchases of goods and services by the shrimp harvesting sector from other local industries, and induced effects are due to

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expenditures by those benefiting from the increases in local business activity (individuals employed due to the shrimp industry, such as shrimp vessel deckhands). Four different types of impacts are estimated: employment (number of jobs due to the shrimp harvesting sector), labor income (combined income of those employed as a result of the shrimp harvesting sector), value added (the shrimp harvesting sector's contribution to GDP), and output (the effect of direct spending on overall economic activity). As the estimates show, in an average year the shrimp fishery contributes approximately \$43 million dollars to the Cameron County economy.

**Table 1. Shrimp Harvesting Economic Impacts on Cameron County**

<b>Best Year Impacts</b>				
<b>Impact Type</b>	<b>Employment</b>	<b>Labor Income</b>	<b>Value Added</b>	<b>Output</b>
Direct Effect	1,756	\$22,686,815	\$31,122,136	\$74,758,017
Indirect Effect	215	\$7,046,840	\$9,643,037	\$24,660,203
Induced Effect	200	\$5,915,079	\$11,193,667	\$20,265,478
<b>Total Effect</b>	<b>2,171</b>	<b>\$35,648,734</b>	<b>\$51,958,840</b>	<b>\$119,683,698</b>
<b>Average Year Impacts</b>				
<b>Impact Type</b>	<b>Employment</b>	<b>Labor Income</b>	<b>Value Added</b>	<b>Output</b>
Direct Effect	1,448	\$18,699,747	\$25,652,612	\$61,619,754
Indirect Effect	177	\$5,808,401	\$7,948,332	\$20,326,323
Induced Effect	165	\$4,875,540	\$9,226,449	\$16,703,945
<b>Total Effect</b>	<b>1,789</b>	<b>\$29,383,688</b>	<b>\$42,827,392</b>	<b>\$98,650,022</b>
<b>Poorest Year Impacts</b>				
<b>Impact Type</b>	<b>Employment</b>	<b>Labor Income</b>	<b>Value Added</b>	<b>Output</b>
Direct Effect	1,058	\$13,665,075	\$18,745,968	\$45,029,409
Indirect Effect	129	\$4,244,562	\$5,808,343	\$14,853,716
Induced Effect	120	\$3,562,862	\$6,742,343	\$12,206,617
<b>Total Effect</b>	<b>1,308</b>	<b>\$21,472,499</b>	<b>\$31,296,655</b>	<b>\$72,089,742</b>
*Economic impact values are additive across impact types (direct, indirect, and induced), <b>but not</b> across measures (employment, labor income, value added, and output).				

*Analysis Notes*

- Annual shrimp landings data (amount and value) were provided by NOAA Fisheries; landings (weight) are measured in headless pounds.
- Economic impacts were calculated using IMPLAN (IMPact analysis for PLANning), a software program that calculates economic impacts using classic input-output analysis.
- Harvesting impacts were calculated using IMPLAN sector 17 (Commercial Fishing).

**References**

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