

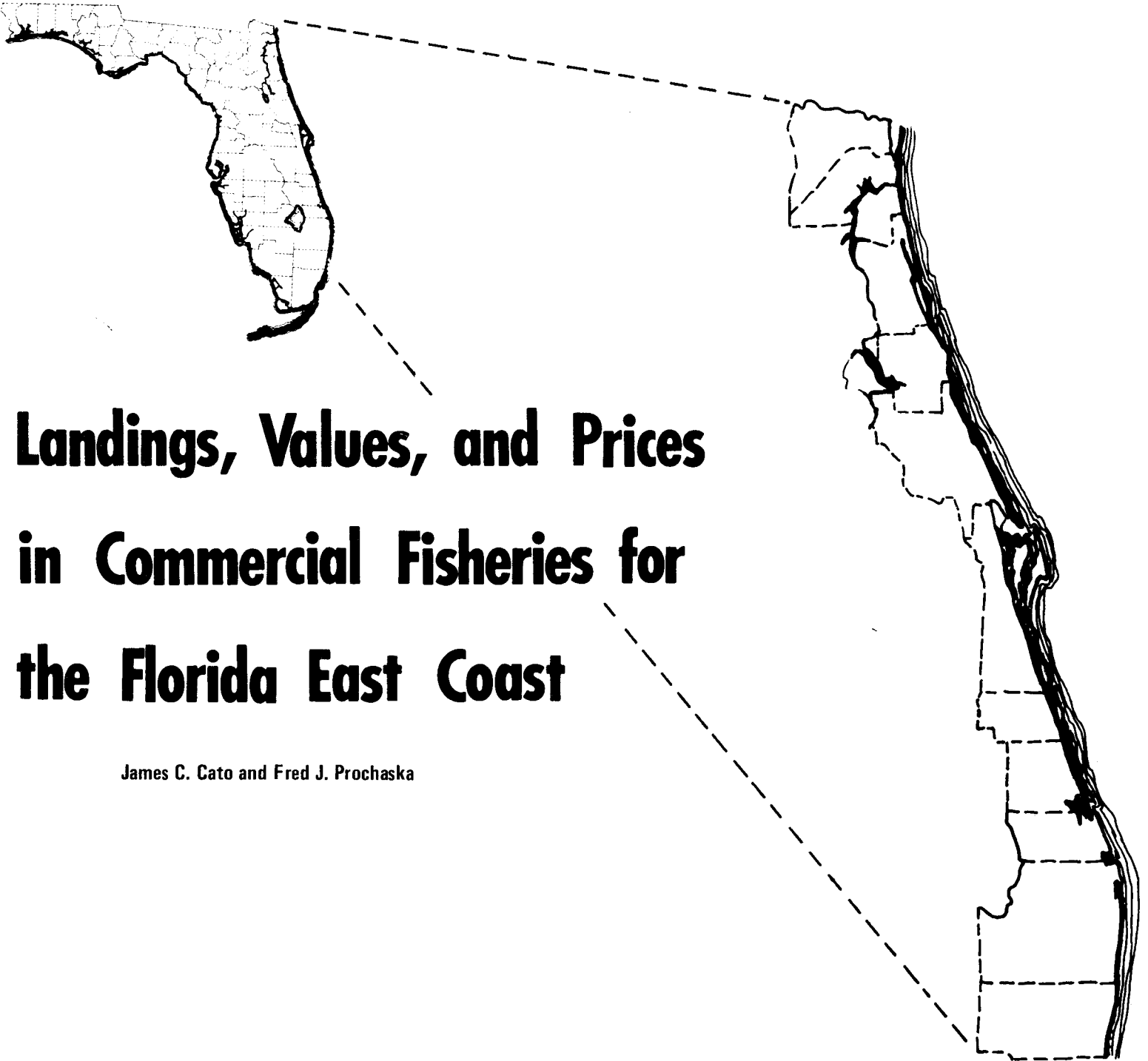


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Landings, Values, and Prices in Commercial Fisheries for the Florida East Coast

James C. Cato and Fred J. Prochaska

LANDINGS, VALUES AND
PRICES IN COMMERCIAL FISHERIES
FOR THE FLORIDA EAST COAST

James C. Cato
and
Fred J. Prochaska

FOREWARD

This is the third in a series of four bulletins that will cover the entire state. The first two were Florida Cooperative Extension Service Marine Advisory Bulletins that covered the Florida Keys (SUSF-SG-74-004) and the Florida West Coast (SUSF-SG-75-003). This report is intended to inform commercial fishermen, industry groups, trade associations, county Cooperative Extension Service personnel, researchers, and government officials of the importance of commercial fisheries along the Florida Atlantic coast and of annual changes in landings, values, and prices for each county in the region for the past 22 years. It does not include an in-depth analysis of reasons underlying the changes nor of the additional impact of fisheries in processing and marketing of fishery products. Data shown extend only through 1973 which was the latest year available at the time of data compilation. Later data for each county can be compiled from the data source as additional years become available.

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LANDINGS, VALUES, AND PRICES
IN COMMERCIAL FISHING FOR THE FLORIDA EAST COAST

James C. Cato and Fred J. Prochaska¹

INTRODUCTION

Florida's East Coast on an annual basis provides slightly less than one-third of all Florida landings. The percentage value of East Coast landings relative to Florida's total value is lower than that of landings. Counties included in the East Coast for this analysis are Brevard, Broward, Duval, Indian River, Martin, Nassau, Palm Beach, Putnam, St. Johns, St. Lucie, and Volusia.²

Landings have ranged from a high of 149.7 million pounds in 1952 to a low of 41.9 million in 1957 (Table 1). Much of this large variation is due to annual changes in the landings of non-food fish such as menhaden. The overall landings trend for this coast has been downward. Average landings for the five year period of 1952-56 were 96.1 million pounds annually. Landings for 1969-73 were only 54.8 percent of the first five year period. This same declining pattern has existed for the State. The East Coast region landed an average of 29.4 percent of the State total during 1969-73.

Total value of landings increased since 1959 (first year for which value data are available) along the East Coast although there has been a decline in volume of landings. Total landings in 1973 were lower than in any other year since 1958 but the total value of landings was the highest at \$10.3 million. Average percentage contribution to total Florida value of landings was 17.9 percent for the 1969-73 period. This is lower than the 29.4 percent contribution in terms of volume landed. Thus the group of species landed on the East Coast are relatively lower valued than those of the other parts of the State.

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² Dade County was covered in an earlier bulletin on the Florida Keys as mentioned in the forward.

Table 1. Commercial landings and values of finfish and shellfish in Florida and the Florida East Coast region, 1952-1973

Year	Florida		East Coast		Percent of State	Dollars	Percent of State	Dollars	Percent of State
	Pounds	Dollars	Pounds	Dollars					
	-----Thousands-----								
1973	164,462.6	62,495.6	45,270.5	10,292.6	27.5	10,292.6	27.5	10,292.6	16.5
1972	179,112.6	57,025.9	53,134.6	9,821.1	29.7	9,821.1	29.7	9,821.1	17.2
1971	179,497.2	46,023.9	53,782.3	8,954.8	30.0	8,954.8	30.0	8,954.8	19.4
1970	192,698.8	43,264.7	62,138.0	8,136.1	32.2	8,136.1	32.2	8,136.1	18.8
1969	179,877.0 ^a	41,603.0 ^a	49,301.6	7,758.4	27.4	7,758.4	27.4	7,758.4	18.6
1968	190,895.0	39,226.0	53,188.3	7,331.3	27.9	7,331.3	27.9	7,331.3	18.7
1967	207,414.0	32,941.0	78,025.6	6,303.6	37.6	6,303.6	37.6	6,303.6	19.1
1966	203,604.0	34,400.0	64,116.0	5,553.8	31.5	5,553.8	31.5	5,553.8	16.1
1965	211,886.9	35,345.9	62,326.6	5,779.6	29.4	5,779.6	29.4	5,779.6	16.4
1964	187,015.4	30,786.5	46,907.2	4,050.7	25.1	4,050.7	25.1	4,050.7	13.2
1963	195,721.4	29,049.4	58,145.2	4,704.0	29.7	4,704.0	29.7	4,704.0	16.2
1962	197,822.7	32,354.7	65,282.2	5,497.5	33.0	5,497.5	33.0	5,497.5	17.0
1961	201,100.2	27,207.0	63,202.0	5,071.0	31.4	5,071.0	31.4	5,071.0	18.6
1960	196,945.9	26,828.3	52,706.6	4,442.9	26.8	4,442.9	26.8	4,442.9	16.6
1959	212,950.4	23,227.0	73,928.1		34.7		34.7		
1958	175,708.8	30,078.7	41,933.8		23.9		23.9		
1957	164,100.4 ^b	30,412.0 ^b	44,187.9		26.9		26.9		
1956	178,176.7	26,222.2	100,465.0		56.4		56.4		
1955	215,399.7	30,808.6	65,821.8		30.6		30.6		
1954	173,686.2	25,244.9	70,014.8		40.3		40.3		
1953	209,458.8	31,799.4	94,356.0		45.0		45.0		
1952	264,563.7	27,474.9	149,748.0		56.6		56.6		
								Not available	

^aHernando County not included.

^bTaylor County not included.

Source: Computed from [1].

IMPORTANT SPECIES LANDED ON FLORIDA'S EAST COAST

The East Coast fishery contributes a major proportion of many species of finfish and shellfish landed in Florida. Finfish landings on the East Coast averaged 39.8 million pounds for the years 1971-73 and represented 37.8 percent of Florida's landings (Table 2). Shellfish landings averaged 11.1 million pounds for 18.3 percent of the State total. Total landings were 50.7 million pounds which represented 29.9 percent of all Florida landings.

Ten species landed on the East Coast represent over 50 percent of all landings of those individual species in the State (Table 2) during the last three years. Based on percent of total state landings the most important species on the East Coast were gray sea trout, catfish, eels, menhaden spot, king whiting, scallops, goatfish, king mackerel, and bluefish. Nine other species landed in the region represented between 20 and 50 percent of total state landings. Those species with landings of over one million pounds annually were menhaden, blue crabs, shrimp, king mackerel, Spanish mackerel, mullet, catfish, spot and king whiting. These nine species represent 89.7 percent of all landings on the East Coast for the 1971-73 three year period.

Average annual value of landings for the 1971-73 period was \$9.6 million (Table 2) which represented 17.4 percent of total Florida value of landings. Shrimp was the most valuable species landed at \$3.6 million. King mackerel was the only other species with a value over \$1 million at \$1.1 million. Others of importance were blue crabs, catfish, Spanish mackerel, menhaden, and spot at \$685, \$415, \$412, \$392, \$319 thousand, respectively. Although finfish landings were over three times greater than shellfish landings, the dockside value of shellfish at \$4.9 million exceeded the \$4.6 million for finfish.

TRENDS IN LANDINGS, VALUES, AND PRICES BY COUNTY

Based on the average for 1971-73, Nassau County accounted for a larger percent (41.2) of East Coast landings than any other county on the East Coast (Figure 1). Brevard and Duval Counties landed 12.8 and 7.6 percent, respectively. The remaining counties with one exception ranged from a high of 6.7 percent for Palm Beach County to a low of 4.2 percent for Volusia County. Broward County is the exception with landings of less than one half of one percent of the East Coast regional total.

Eight of the counties were responsible for a larger percentage of value of landings for the region than they were for pounds landed. The value of Duval County landings averaged 19.3 percent of the regional total while Brevard, Nassau, and Palm Beach averaged 17.6, 14.9, and 10.6 percent, respectively. The remaining counties ranged from 5.1 percent to 8.5 percent with the exception of Broward. Menhaden are responsible for the large volume of landings in Nassau County. Since menhaden have a low value per pound, Nassau County's contribution to total regional value of landings was much lower than its landings contribution.

Table 2. Commercial landings and value of important species of finfish and shellfish in Florida and the Florida East Coast region, three-year average, 1971-73

Species ^a	Florida		East Coast		Percent of State	Dollars	Percent of State	Dollars	Percent of State
	Pounds	Dollars	Pounds	Dollars					
Bluefish	2,199.1	262.6	1,728.4	189.7	78.6	189.7	72.2	189.7	72.2
Catfish (Free-shooter) ^b	2,100.1	424.9	2,064.5	415.4	98.3	415.4	97.7	415.4	97.7
Crevalle (Jack)	1,417.1	68.0	83.8	4.7	5.9	4.7	6.9	4.7	6.9
Flounder	512.6	141.0	230.3	63.5	44.9	63.5	45.1	63.5	45.1
Croaker	1,747.6	258.1	97.7	20.7	5.6	20.7	8.0	20.7	8.0
Goatfish	85.2	23.2	68.8	19.2	80.8	19.2	82.8	19.2	82.8
Grouper	6,516.2	1,669.7	481.7	134.1	7.4	134.1	8.0	134.1	8.0
King mackerel	5,480.2	1,577.9	3,330.2	1,124.4	60.8	1,124.4	71.3	1,124.4	71.3
King whiting	1,398.1	199.3	1,200.2	186.5	85.8	186.5	93.6	186.5	93.6
Menhaden	20,586.7	420.3	19,800.3	392.4	96.2	392.4	93.4	392.4	93.4
Mullet (Black)	28,019.6	2,666.1	2,238.0	189.5	8.0	189.5	7.1	189.5	7.1
Pompano	1,153.8	1,359.6	201.8	273.7	17.5	273.7	20.1	273.7	20.1
Sand perch	286.8	30.6	125.2	11.9	43.6	11.9	38.9	11.9	38.9
Red drum	961.9	186.4	129.7	31.2	13.5	31.2	16.7	31.2	16.7
Sea bass	205.6	44.7	92.2	30.5	44.8	30.5	68.3	30.5	68.3
Gray sea trout	175.4	37.0	175.4	37.0	99.9	37.0	99.9	37.0	99.9
Spotted sea trout	2,707.4	946.3	595.2	215.6	22.0	215.6	22.8	215.6	22.8
Shad	157.1	34.7	33.9	5.6	21.6	5.6	16.1	5.6	16.1
Sheepshead	550.2	67.2	260.9	35.9	47.4	35.9	53.4	35.9	53.4
Mangrove snapper	642.8	219.9	84.9	42.9	13.2	42.9	19.5	42.9	19.5
Mutton snapper	480.1	263.4	189.3	137.2	39.4	137.2	52.1	137.2	52.1
Red snapper	4,175.0	2,836.1	350.5	286.3	8.4	286.3	10.1	286.3	10.1
Vermillion snapper	207.8	113.6	54.0	31.1	26.0	31.1	27.4	31.1	27.4

Continued

Table 2. Continued

Species	Florida		East Coast		
	Pounds	Dollars	Pounds	Percent of State	Dollars
White snapper	158.0	33.1	66.1	41.8	18.8
Yellowtail snapper	1,018.7	535.6	39.7	3.9	29.3
Spanish mackerel	9,754.5	1,305.3	2,987.1	30.6	411.6
Spot	2,204.5	343.8	1,917.2	87.0	318.9
Other finfish	10,150.7	935.1	1,164.8	11.5	1.5
Total finfish	105,252.8	17,003.5	39,763.0	37.8	4,645.2
Blue crabs	17,294.5	1,703.3	6,446.0	37.3	684.5
Spiny lobster	10,264.8	10,163.0	258.7	2.5	256.9
Oysters	3,199.7	1,605.2	147.7	4.6	84.5
Scallops	243.0	307.3	197.6	81.3	259.7
Shrimp	27,341.6	21,200.6	3,793.9	13.9	3,570.6
Eels	62.2	10.5	60.4	97.2	10.3
Other shellfish	2,361.7	1,466.6	185.7	7.9	53.8
Total shellfish ^c	60,767.5	36,456.5	11,090.0	18.3	4,920.4
Grand total	166,020.3	53,460.0	50,729.1	29.9	9,618.4

^aOther species are important in other regions of the state.

^bFreshwater catfish production includes only those handled by dealers of marine species.

^cAll shellfish weights reported in this bulletin are round weights except for oysters.

Source: Computed from [1].

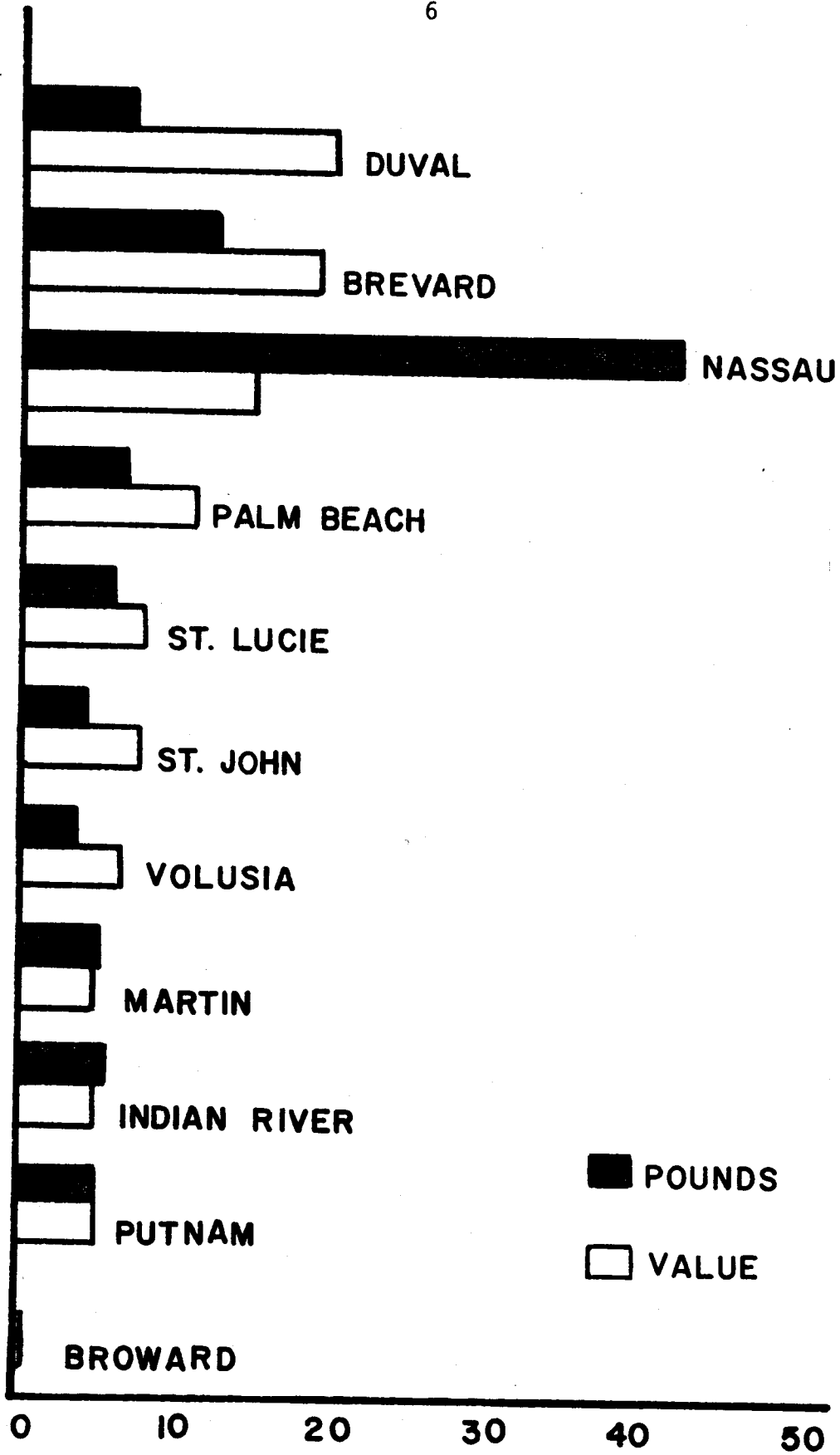


Figure 1. Relative share of East Coast landings in pounds and dollars for each county, three year average, 1971-1973.

Brevard County

Total landings in Brevard County since 1952 have varied from a low of 2.8 million pounds in 1957 to a high of 7.8 million pounds in 1971 (Table 3). Annual fluctuations were substantial but the overall trend in landings has been upward since the late 1950s. The large increase in 1971 landings was attributed to blue crab landings. Major annual fluctuations have been the result of changes in blue crab and shrimp landings. Brevard County averaged 3.9 percent of Florida landings and 12.8 percent of the East Coast regional landings for the 1971-73 period.

Value of Brevard County landings averaged 3.2 percent of the State and 17.6 percent of the regional value of landings for the 1971-73 period. Average value of landings was \$1.7 million (Table 4).

Blue crabs and black mullet represent 52.3 percent of all county landings during 1971-73 (Table 4). However, these same two species contribute only 21.5 percent of the county total value since both are fairly low priced species. Other important species to the county are shrimp, spot, and king mackerel which contribute 9.5, 6.9, and 5.8 percent of the county landings. The most valuable species in terms of contribution to the county are shrimp, blue crabs, calico scallops, and king mackerel at 28.9, 18.2, 15.3, and 7.1 percent, respectively (Table 4).

Blue crab landings averaged 2.7 million pounds annually from 1971-73. Landings have been in the 2 to 3 million pound range since 1966 with the exception of 1968 (Table 5). All years prior to 1966 had landings of less than 2 million pounds. Shrimp landings declined during the latest three year period. Landings since 1953 have normally been between 600 thousand and 1.3 million pounds each year. The average for 1971-73 was only 615.9 thousand pounds (Table 5). Calico scallop production did not occur until the late 1960s.

Broward County

Landings in Broward County represent a very small proportion of those in the state. Total landings since 1952 have been less than 167 thousand pounds reported in 1954 (Table 6). Broward County landings usually amount to only one tenth of one percent of total state landings. Total value of landings in Broward County was highest in 1965 at \$58.4 thousand. Spiny lobster and grouper represent 78.5 percent of all landings reported (Table 4). Both these species have shown a decline in Broward County the last few years from already low levels (Table 7).

Duval County

Total landings in Duval County were the highest in the decade of the 1950s when landings almost reached 7 million pounds (Table 8). During the 1960s landings fell to much lower levels ranging from a low of 2 million

Table 3. Commercial landings and value of finfish and shellfish in Brevard County, 1952-1973

Year	Pounds			Dollars					
	Finfish	Shellfish	Total	Finfish	Shellfish	Total	Percent of State of Region	Percent of State of Region	Percent of Region
	-----Thousands-----			-----Thousands-----					
1973	2,847.5	2,837.8	5,685.3	583.6	885.4	1,469.0	12.6	2.4	14.3
1972	2,687.2	3,281.7	5,968.9	523.1	1,186.8	1,709.9	11.2	3.0	17.4
1971	2,910.6	4,917.0	7,827.7	507.4	1,403.6	1,911.0	14.6	4.2	21.3
1970	2,839.5	3,312.5	6,152.1	430.3	856.9	1,287.2	9.9	3.0	15.8
1969	2,506.2	2,958.2	5,464.3	401.0	813.6	1,217.6	11.1	2.9	15.7
1968	2,135.8	2,162.1	4,297.9	296.2	596.5	892.7	8.1	2.3	12.2
1967	2,416.4	4,569.7	6,986.0	311.2	821.2	1,132.4	9.0	3.4	18.0
1966	2,860.4	3,829.4	6,689.8	351.8	813.5	1,165.3	10.4	3.4	20.1
1965	2,246.3	1,929.9	4,176.2	234.4	531.5	765.9	6.7	2.2	13.2
1964	1,783.2	2,369.6	4,152.7	190.5	409.5	600.1	8.8	1.9	14.8
1963	2,473.3	2,669.7	5,143.0	261.6	646.6	908.2	8.8	3.1	19.3
1962	1,668.3	1,770.9	3,439.2	199.3	410.1	609.4	5.3	1.9	11.1
1961	1,978.7	2,644.0	4,622.7	224.2	551.7	776.0	7.3	2.8	15.3
1960	1,678.2	2,474.4	4,152.6	215.5	480.5	696.0	7.9	2.6	15.7
1959	1,725.3	1,601.0	3,326.3				3.9		
1958 ^a	1,891.8	890.7	2,782.5				1.6		
1957	1,834.5	982.1	2,816.7				1.6		
1956	2,974.1	1,826.0	4,800.1				1.7		
1955	4,220.2	1,328.7	5,548.9				2.7		
1954	4,988.2	1,781.0	6,769.2				2.6		
1953	4,372.0	2,278.8	6,650.7				3.9		
1952		Not available					3.2		
						Not available			

^aIncomplete data were available for 1958.

Source: Computed from [1].

Table 4. Commercial landings and value of important species of finfish and shellfish in Brevard and Broward counties, three-year average, 1971-1973

Species	Brevard			Broward		
	Pounds	Percent of County	Dollars	Percent of County	Dollars	Percent of County
	-Thousands-		-Thousands-		-Thousands-	
Black mullet	712.0	11.0	55.9	3.3	.5	1.8
Grouper	114.0	1.8	30.0	1.8	4.3	15.7
King mackerel	378.2	5.8	120.6	7.1	2.6	9.5
King whiting	203.9	3.1	23.1	1.4	.2	.7
Red snapper	91.4	1.4	75.3	4.4	.1	.4
Spot	445.1	6.9	78.2	4.6	0.0	0.0
Spotted sea trout	118.6	1.8	40.8	2.4	.4	1.5
Yellowtail snapper	.7	a	.5	a	1.9	6.9
Other finfish	751.2	11.6	113.6	6.7	.2	.7
Total finfish	2,815.1	43.3	538.0	31.7	10.2	37.2
Blue crabs	2,681.8	41.3	308.9	18.2	0.0	0.0
Calico scallops	197.6	3.0	259.8	15.3	0.0	0.0
Shrimp (Heads-on)	615.9	9.5	489.6	28.9	0.0	0.0
Spiny lobster	.1	a	.1	a	17.2	62.8
Other shellfish	183.4	2.8	100.2	5.9	0.0	0.0
Total shellfish	3,678.8	56.7	1,158.6	68.3	17.2	62.8
Grand total	6,493.9	100.0	1,696.6	100.0	27.4	100.0
					4.1	18.0
					1.5	a
					.8	6.6
					a	3.5
					a	a
					0.0	0.0
					a	a
					1.3	5.7
					.3	1.3

^aLess than .1 percent.

Source: Computed from [1].

Table 5. Species landings, values and prices for Brevard county, 1952-1973

Year	King mackerel			Red snapper			Spot		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	378.2	120.6	31.4	91.4	75.3	84.3	445.1	78.2	17.4
	---Thousands---			---Thousands---			---Thousands---		
1973	402.6	163.6	40.6	70.6	65.5	92.8	176.8	29.6	16.7
1972	452.6	125.9	27.8	77.3	66.2	85.6	591.2	98.3	16.6
1971	279.3	72.3	25.9	126.2	94.1	74.5	567.3	106.8	18.8
1970	69.3	17.9	25.9	136.5	92.1	67.5	457.3	66.3	14.5
1969	49.0	10.6	21.5	56.4	39.0	69.0	289.8	53.2	18.4
1968	167.5	31.7	18.7	43.6	20.6	47.4	319.1	46.8	14.7
1967	63.2	14.3	22.6	54.2	23.7	43.7	157.3	22.8	14.5
1966	17.7	4.1	23.1	61.3	26.4	43.1	292.5	112.5	14.5
1965	52.8	9.3	17.7	40.6	15.2	37.5	146.0	21.3	14.6
1964	33.6	4.5	13.5	0.0	0.0	0.0	217.9	28.8	13.2
1963	164.5	18.8	11.4	52.8	16.4	31.1	364.9	45.6	12.5
1962	87.4	15.8	18.1	99.8	29.9	30.0	163.5	19.8	12.1
1961	72.1	10.0	13.8	89.5	24.4	27.3	134.7	15.8	11.7
1960	42.2	5.4	12.8	84.8	25.0	29.5	252.5	22.7	9.0
1959	38.9	NA	NA	129.7	NA	NA	182.3	NA	NA
1958	9.9	NA	NA	112.0	NA	NA	47.7	NA	NA
1957	92.0	NA	NA	110.4	NA	NA	68.6	NA	NA
1956	44.4	NA	NA	115.4	NA	NA	51.4	NA	NA
1955	28.9	NA	NA	158.7	NA	NA	42.1	NA	NA
1954	1.5	NA	NA	304.7	NA	NA	81.4	NA	NA
1953	11.6	NA	NA	180.1	NA	NA	58.2	NA	NA
1952	18.1	NA	NA	411.3	NA	NA	35.4	NA	NA

Extended

Table 5. Extended

Year	Blue crabs			Scallops			Shrimp		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
	---Thousands---	---	---	---Thousands---	---	---	---Thousands---	---	---
1971-73 average	2,681.8	308.8	11.9	197.6	259.8	129.5	615.9	489.6	81.6
1973	2,064.1	286.3	13.9	1.6	2.1	126.5	558.7	459.1	82.2
1972	2,396.9	287.4	12.0	302.5	406.9	134.0	458.9	421.7	91.9
1971	3,584.4	352.7	9.8	288.6	370.3	128.0	830.2	588.1	70.8
1970	2,377.1	221.8	9.3	0.0	0.0	0.0	743.3	525.4	70.7
1969	2,107.0	239.1	11.4	26.3	24.9	95.0	645.6	474.9	73.6
1968	1,457.5	146.6	10.1	0.0	0.0	0.0	524.2	375.8	71.7
1967	3,640.0	282.8	7.8	3.9	1.4	37.0	821.2	493.4	60.1
1966	2,763.2	219.1	7.9	0.0	0.0	0.0	1,024.7	581.2	56.7
1965	1,037.0	99.0	9.5	0.0	0.0	0.0	764.2	392.5	51.4
1964	1,000.6	64.4	6.4	0.0	0.0	0.0	1,328.6	332.2	25.0
1963	1,303.6	78.9	5.7	0.0	0.0	0.0	1,250.9	555.9	44.4
1962	1,154.4	76.6	6.6	0.0	0.0	0.0	605.1	330.5	54.6
1961	1,575.5	77.7	4.9	0.0	0.0	0.0	1,044.8	466.8	44.7
1960	1,272.6	75.8	6.0	0.0	0.0	0.0	1,191.2	401.2	33.7
1959	1,027.6	NA	NA	0.0	0.0	0.0	563.4	NA	NA
1958	0.0	0.0	NA	0.0	0.0	0.0	890.1	NA	NA
1957	383.0	0.0	NA	0.0	0.0	0.0	598.3	NA	NA
1956	716.3	0.0	NA	0.0	0.0	0.0	1,109.6	NA	NA
1955	897.8	0.0	NA	0.0	0.0	0.0	430.8	NA	NA
1954	873.8	0.0	NA	0.0	0.0	0.0	906.9	NA	NA
1953	592.8	0.0	NA	0.0	0.0	0.0	1,685.5	NA	NA
1952	0.0	0.0	NA	0.0	0.0	0.0	0.0	0.0	NA

Source: Computed from [1].

Table 6. Commercial landings and values of finfish and shellfish in Broward county, 1952-1973

Year	Pounds			Dollars			
	Finfish	Shellfish	Total	Percent of state	Percent of region	Percent of state	Percent of region
1973	8.6	22.8	31.4	a	.1	33.3	a
1972	16.7	5.0	21.7	a	a	12.6	a
1971	5.5	23.8	29.3	a	.1	22.5	.3
1970	11.2	37.2	48.4	a	.1	27.2	a
1969	27.7	58.5	86.1	.1	.2	51.6	.7
1968	40.6	49.3	89.9	.1	a	47.2	.6
1967	32.5	36.0	68.5	a	.1	32.3	.5
1966	37.8	50.2	88.0	a	.1	34.4	.6
1965	36.8	87.8	124.6	.1	.2	58.4	1.0
1964	69.2	68.4	137.6	.1	.3	41.1	1.0
1963	49.4	67.2	116.6	.1	.2	33.1	.7
1962	59.1	60.0	119.1	.1	.2	35.5	.6
1961	65.3	87.3	152.6	.1	.2	42.3	.8
1960	61.0	98.1	159.1	.1	.3	49.7	1.1
1959	67.9	60.7	128.6	.1	.2	Not available	
1958	48.6	27.3	75.9	a	.2	Not available	
1957	65.5	22.3	87.8	.1	.2	Not available	
1956	49.5	23.7	73.2	a	.1	Not available	
1955	72.2	25.4	97.6	a	.2	Not available	
1954	166.3	.9	167.2	.1	.2	Not available	
1953	161.4	.0	161.4	.1	.2	Not available	
1952	NA	NA	205.8	.1	.1	Not available	

^aLess than .05 percent.

Source: Computed from [1].

Table 7. Species landings, values, and prices for Broward county, 1952-73

Year	Grouper			King mackerel			Yellowtail snapper		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	4.3	1.5	34.8	2.6	.8	30.7	1.9	1.3	70.5
1973	3.0	1.1	37.5	2.0	.7	38.0	1.4	1.2	85.2
1972	8.8	3.1	34.6	5.0	1.4	27.6	2.1	1.6	75.3
1971	1.2	.4	32.2	.9	.2	26.6	2.3	1.2	50.9
1970	2.2	.5	23.2	3.5	.6	16.8	2.2	1.0	46.1
1969	4.0	1.0	25.5	10.5	2.1	19.8	6.8	3.4	49.4
1968	4.9	1.0	21.3	15.5	3.1	20.1	11.7	4.6	39.4
1967	3.9	.8	19.6	6.0	1.1	18.9	3.6	1.1	31.8
1966	1.6	.3	17.1	12.3	2.2	17.6	4.3	1.6	36.4
1965	2.5	.4	14.2	11.5	1.8	15.9	3.4	1.0	29.1
1964	4.8	.6	12.5	24.1	3.3	13.5	12.7	3.4	26.7
1963	9.8	1.1	10.7	18.5	2.1	11.4	4.4	1.1	23.8
1962	18.3	1.8	9.9	14.6	2.9	19.8	13.7	4.1	30.0
1961	18.6	1.9	10.0	12.0	1.7	14.0	13.4	3.6	26.7
1960	13.5	1.5	11.2	13.7	1.8	13.0	9.2	2.5	27.0
1959	5.2			12.4			9.2		
1958	4.5			9.5			3.8		
1957	1.9			13.1			5.4		
1956	2.0	Not available		11.6	Not available		7.1	Not available	
1955	6.4			19.2			13.3		
1954	21.3			27.5			37.5		
1953	13.2			46.9			1.8		
1952	22.3			46.9			50.8		

Extended

Table 7. Extended

Year	Spiny lobster		
	Pounds	Dollars	Cents/lb.
	---Thousands---		
1971-73 average	17.2	18.7	113.1
1973	22.8	29.4	129.1
1972	5.0	6.2	125.0
1971	23.8	20.3	85.3
1970	37.2	23.0	61.8
1969	58.5	43.1	73.7
1968	49.2	36.1	73.4
1967	35.9	23.3	64.7
1966	49.8	24.4	49.1
1965	87.5	51.3	58.6
1964	68.1	30.4	44.6
1963	66.7	26.8	40.2
1962	60.0	24.4	40.7
1961	87.2	31.4	36.0
1960	98.0	39.9	40.7
1959	60.7	0.0	0.0
1958	27.3	0.0	0.0
1957	22.3	0.0	0.0
1956	23.7	0.0	0.0
1955	25.4	0.0	0.0
1954	0.0	0.0	0.0
1953	0.0	0.0	0.0
1952	NA	NA	NA

^aLess than .05 percent.

Source: Computed from [1].

pounds in 1959 to a high of 4.7 million pounds in both 1962 and 1968. Landings in the 1971-73 period averaged 3.8 million pounds annually. Duval County landings during this period averaged about 2.3 percent of statewide landings and 7.6 percent of East Coast regional landings. The decline has primarily been due to decreased shellfish landings. Landings of finfish increased over the 22 year period as shown in Table 8.

Although finfish landings represent almost one-half of total landings, finfish represent only about one-third of total value of landings. Total value of landings for 1971-73 have averaged \$1.85 million which represents 3.5 percent of the State total and 19.3 percent of regional total value. The high value of shrimp caused Duval's percentage contribution to regional value of landings to be over twice the percentage contribution in terms of pounds landed.

Shrimp, blue crab and king whiting are the most important species landed in Duval County. These three species represent 64.7 percent of total landings (Table 9). Seven other species of finfish represent an additional 19.2 percent of landings. Shrimp are the most valuable and account for 70.8 percent of total county value of landings. No other species contributes over five percent to the total value for the county.

Blue crab landings have declined substantially in Duval County. Landings from 1952 through 1958 averaged 3.6 million pounds (Table 10). A decline in landings began in 1959 and by the 1971-73 period averaged only 518 thousand pounds. Shrimp landings have maintained a fairly stable level between 1952 and 1973. The 1971-73 average was 1.4 million pounds. King whiting, sea trout, and red snapper landings have all increased slightly in pounds landed in the last 22 years.

Bait shrimp landings in Duval County are relatively insignificant. Live bait shrimp landings were highest in 1969 when 481 thousand head were landed (Table 11).

Indian River County

Total landings in Indian River County averaged 3.0 million pounds annually during the 1971-73 period. This represents a small increase from earlier years. Landings from 1964 through 1967 were more than 3 million pounds annually with maximum landings in 1967 of 3.9 million (Table 12). Landings in all other years were between 1.2 and 2.8 million pounds. Landings from 1971-73 represent 1.7 and 5.9 percent of Florida and the East Coast region landings, respectively. About 80 percent of current landings are finfish compared to the years from 1959 to 1967 when only slightly more than one-half of all landings were finfish.

Maximum value of landings of \$551 thousand occurred in 1973. Annual value of landings increased from a low of \$182.7 thousand in 1960 (Table 12). Most of the value of landings comes from finfish since the predominate shellfish produced in Indian River County is blue crab which is a low value per pound species when landed.

Table 8. Commercial landings and values of finfish and shellfish in Duval county, 1952-1973

Year	Pounds				Dollars					
	Finfish	Shellfish	Total	Percent of State of Region	Finfish	Shellfish	Total	Percent of State of Region		
1971-73 average	1,855.5	1,985.5	3,841.0	2.2	7.6	476.8	1,375.4	1,852.2	3.4	19.0
1973	1,997.6	1,393.9	3,391.5	2.1	7.5	598.5	1,458.4	2,056.9	3.3	20.0
1972	1,751.7	2,304.7	4,056.4	2.3	7.6	460.6	1,522.4	1,983.0	3.5	20.2
1971	1,817.3	2,257.8	4,075.1	2.3	7.6	371.5	1,145.3	1,516.8	3.3	16.9
1970	1,513.4	2,630.2	4,143.7	2.2	7.7	342.8	1,020.4	1,363.3	3.2	16.8
1969	1,386.1	2,588.5	3,974.5	2.2	8.1	312.7	1,304.8	1,617.5	3.9	20.8
1968	2,137.3	2,574.4	4,711.7	2.5	8.8	441.7	1,029.4	1,471.1	3.8	20.1
1967	1,529.6	2,151.7	3,681.3	1.8	4.7	263.4	757.0	1,020.4	3.1	16.2
1966	1,604.3	2,012.6	3,616.9	1.8	5.6	251.5	769.3	1,020.7	3.0	18.4
1965	1,803.3	1,885.4	3,688.7	1.7	5.9	234.7	610.3	845.0	2.4	14.6
1964	1,535.6	1,700.6	3,236.1	1.7	6.9	204.4	296.3	500.6	1.6	12.4
1963	1,304.8	2,563.7	3,868.5	2.0	6.6	148.1	440.4	588.5	2.0	12.5
1962	1,305.4	3,406.0	4,711.4	2.4	7.2	144.1	922.5	1,066.7	3.3	19.4
1961	1,000.8	2,074.7	3,075.5	1.5	4.9	122.7	600.3	723.1	2.6	14.2
1960	1,213.0	2,492.8	3,705.7	1.9	7.0	119.6	539.5	659.0	2.4	14.8
1959	1,112.1	2,226.7	2,338.8	1.6	4.5					
1958	1,622.3	5,368.5	6,990.8	4.0	16.7					
1957	930.8	5,048.4	5,979.2	3.6	13.5					
1956	1,024.7	5,935.2	6,959.8	3.9	6.9					
1955	838.1	5,794.4	6,632.5	3.1	10.1					
1954	1,248.0	5,026.9	6,274.8	3.6	9.0					
1953	761.0	4,433.7	5,194.7	2.5	5.5					
1952	895.2	5,992.4	6,887.3	2.6	4.6					

Not available

Source: Computed from [1].

Table 9. Commercial landings and value of important species of finfish and shellfish in Duval and Indian River Counties, three-year average, 1971-1973

Species	Duval			Indian River			
	Pounds	Percent of county	Dollars -Thousands-	Pounds	Percent of county	Dollars -Thousands-	Percent of county
Black mullet	130.6	3.4	13.4	224.3	7.5	18.2	3.7
Bluefish	50.2	1.3	4.5	79.7	2.6	11.4	2.3
Flounder	105.1	2.7	26.5	.4	a	.1	a
Gray sea trout	81.3	2.1	15.6	9.0	.3	1.7	.3
Groupers	75.8	2.0	21.9	17.9	.6	4.8	1.0
King mackerel	12.7	.3	3.4	617.5	20.5	193.4	39.2
King whiting	517.7	13.5	91.1	7.2	.2	1.5	.3
Menhaden	2.4	.1	.1	743.3	24.7	22.4	4.5
Mutton snapper	70.5	1.8	47.7	.1	a	a	a
Pompano	1.7	a	1.9	33.1	1.1	39.7	8.0
Spotted sea trout	83.9	2.2	30.9	85.7	2.8	31.2	6.3
Red snapper	91.6	2.4	78.1	28.7	1.0	6.4	1.3
Spanish mackerel	10.8	.3	1.3	46.1	1.5	7.4	1.5
Spot	169.4	4.4	20.4	458.5	15.2	77.0	15.6
Vermillion snapper	32.3	.9	18.8	a	a	a	a
Other finfish	419.5	10.9	101.2	52.8	1.8	9.8	2.0
Total finfish	1,855.5	48.3	476.8	2,404.3	79.9	425.0	86.1
Blue crabs	517.8	13.5	53.4	600.4	20.0	65.6	13.3
Shrimp	1,446.7	37.7	1,312.6	0.0	0.0	0.0	0.0
Other shellfish	21.0	.5	9.4	4.6	.2	2.9	.6
Total shellfish	1,985.5	51.7	1,375.4	605.0	20.1	68.5	13.9
Grand total	3,841.0	100.0	1,852.2	3,009.3	100.0	493.4	100.0

^aLess than .1 percent.

Source: Computed from [1].

Table 10. Species landings, values, and prices for Duval county, 1952-1973

Year	King whiting		Spotted sea trout		Red snapper	
	Pounds	Dollars Cents/lb.	Pounds	Dollars Cents/lb.	Pounds	Dollars Cents/lb.
1971-73 average	517.7	91.9 17.1	83.9	30.9 37.4	91.7	78.1 86.0
		-----Thousands-----		-----Thousands-----		-----Thousands-----
1973	592.4	145.1 24.5	115.8	38.1 32.9	79.3	78.3 98.7
1972	466.3	65.4 14.0	90.9	37.8 41.6	100.3	84.5 84.3
1971	494.3	62.8 12.7	44.9	16.9 37.6	95.4	71.5 74.9
1970	484.4	62.2 12.9	62.3	24.3 39.0	124.8	89.4 71.6
1969	396.9	55.5 14.0	53.7	21.6 40.0	158.4	100.8 63.6
1968	515.9	63.8 12.4	43.5	16.8 38.7	348.1	158.2 45.5
1967	378.4	43.6 11.5	45.5	15.9 34.8	198.0	84.4 42.6
1966	473.1	45.8 9.7	68.5	22.0 32.0	138.9	63.4 45.7
1965	431.9	40.6 9.4	72.8	22.6 31.0	113.1	38.9 34.4
1964	374.3	32.9 8.8	94.4	25.5 27.0	147.8	52.8 35.7
1963	275.2	22.8 8.3	47.6	11.4 24.0	65.4	20.3 31.1
1962	487.7	41.9 8.6	25.3	7.3 28.8	48.3	14.9 30.8
1961	304.2	25.5 8.4	25.8	7.0 27.0	98.1	29.9 30.5
1960	310.5	24.8 8.0	31.8	8.3 26.0	84.0	26.9 32.0
1959	395.3		65.5		51.0	
1958	438.6		77.0		27.7	
1957	535.2	Not available	41.4	Not available	28.5	Not available
1956	464.6		29.5		7.7	
1955	555.0		13.4		52.4	
1954	385.2		23.9		16.5	
1953	290.7		19.3		6.4	
1952	466.3		16.5		9.5	

Extended

Table 10. Extended

Year	Blue crabs			Mutton snapper			Shrimp		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	517.8	53.4	11.5	70.5	47.7	67.6	1,446.7	1,312.6	93.5
1973	193.6	27.4	14.2	71.4	56.4	79.0	1,175.8	1,418.5	120.6
1972	410.2	46.6	11.3	82.4	51.6	62.6	1,874.6	1,467.2	78.3
1971	949.5	86.3	9.1	57.6	35.2	61.1	1,289.7	1,051.9	81.6
1970	746.5	71.7	9.6	28.7	17.8	62.1	1,859.8	940.4	50.6
1969	454.3	40.7	9.0	4.3	2.4	54.9	2,106.9	1,250.1	59.3
1968	917.8	73.2	8.0	8.5	3.7	43.8	1,618.1	941.0	58.2
1967	551.5	33.5	6.6	1.7	.8	43.3	1,567.4	710.5	45.3
1966	568.4	37.0	6.5	.6	.2	31.9	1,404.5	719.0	51.2
1965	382.2	21.7	5.7	2.3	.8	32.1	1,472.1	579.4	39.4
1964	702.2	45.3	6.4	3.0	.7	25.0	969.2	242.3	25.0
1963	1,516.4	86.4	5.7	6.3	1.3	20.7	1,017.3	345.0	33.9
1962	1,572.4	72.3	4.6	1.5	4.4	27.4	1,802.1	841.2	46.7
1961	500.7	20.0	4.0	3.0	.8	26.0	1,543.4	571.4	37.0
1960	777.9	31.1	4.0	.7	.1	20.0	1,687.5	500.7	32.4
1959	1,024.9	NA	NA	.8	0.0	0.0	1,176.1		
1958	4,000.3	NA	NA	NA	0.0	0.0	1,345.7		
1957	43.6			1.0	0.0	0.0	955.1		
1956	4,438.3			NA	0.0	0.0	1,468.9		
1955	4,081.4	Not available		0.0	0.0	0.0	1,696.6	Not available	
1954	3,115.4			0.0	0.0	0.0	1,894.6		
1953	2,833.5			0.0	0.0	0.0	1,584.9		
1952	3,181.2			0.0	0.0	0.0	2,798.1		

Source: Computed from [1].

Table 11. Wholesale value of live bait shrimp in Florida and the Florida East Coast region by county, 1964-1973

Year	Florida ^a				Duval			
	Head	Dollars	Cents/Head	Head	Percent of State	Dollars	Percent of State	Cents/head
	-----Thousands-----			-Thousands-		-Thousands-		
1971-73 average	70,326.4	1,299.6	1.9	110.5	.2	2.6	.2	2.2
1973	70,305.9	1,345.6	1.9	178.0	.3	4.9	.4	2.8
1972	73,635.1	1,320.1	1.8	69.2	.1	1.5	.1	2.2
1971	67,038.3	1,233.1	1.8	84.4	.1	1.4	.1	1.6
1970	78,714.9	1,404.2	1.8	97.2	.1	8.8	.6	9.1 ^c
1969	88,552.1	1,763.9	2.0	481.2	.5	35.2	2.0	7.3 ^c
1968	87,021.4	1,486.2	1.7	22.8	b	.9	b	4.0 ^c
1967	88,967.8	1,284.5	1.4	148.8	.2	2.2	.2	1.5
1966	87,692.3	1,158.1	1.3	0.0	0.0	0.0	0.0	0.0
1965	94,698.4	1,218.8	1.3	8.3	b	.2	b	2.0
1964	84,839.5	1,123.4	1.3	.3	b	b	b	2.0

Extended

Table 11. Extended

Year	Martin				Nassau				
	Head	Percent of State	Dollars	Percent of State	Head	Percent of State	Dollars	Percent of State	
	-Thousands-		-Thousands-		-Thousands-		-Thousands-		
1971-73 average	2.67	b	b	b	1.50	0.0	0.0	0.0	0.0
1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	8.0	b	b	b	1.5	0.0	0.0	0.0	0.0
1970	37.3	.1	.6	b	1.5	131.0	2.3	b	1.7
1969	40.2	.1	.6	b	1.5	0.0	0.0	0.0	0.0
1968	59.3	.1	.8	b	1.4	301.9	4.5	.3	1.5
1967	75.0	.1	.9	.1	1.3	192.2	3.2	b	1.7
1966	179.5	.2	3.2	.2	1.8	177.0	2.7	b	1.5
1965	387.0	.4	7.0	.6	1.8	128.7	1.9	b	1.5
1964	0.0	0.0	0.0	0.0	0.0	93.7	1.9	b	2.0

Extended

Table 11. Extended

Year	St. Johns				St. Lucie			
	Head	Percent of State	Dollars	Percent of State	Head	Percent of State	Dollars	Percent of State
	-Thousands-		-Thousands-		-Thousands-		-Thousands-	
1971-73 average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1973	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969	0.0	0.0	0.0	0.0	81.5	.1	2.9	b
1968	0.0	0.0	0.0	0.0	137.3	.2	4.9	.3
1967	17.5	b	.4	b	198.5	.2	4.8	.4
1966	17.5	b	.4	b	253.1	.3	5.7	.5
1965	12.0	b	.2	b	209.5	.2	3.7	.3
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Extended

Table 11. Extended

Year	Volusia			
	Head -Thousands-	Percent of State	Dollars -Thousands-	Percent of State Cents/head
1971-73 average	3,168.3	4.5	45.4	3.5
1973	1,690.3	2.4	27.8	2.1
1972	5,071.6	6.9	73.5	5.6
1971	2,743.0	4.1	34.9	2.8
1970	1,865.5	2.4	42.3	3.0
1969	2,446.6	2.8	76.2	4.3
1968	2,172.5	2.5	23.2	1.6
1967	3,977.5	4.5	44.8	3.5
1966	4,338.8	5.0	48.2	4.2
1965	3,170.2	3.4	39.0	3.2
1964	5,981.3	7.1	82.9	7.4

^aLandings are reported by individual head. Data prior to 1964 are not available. Only six east coast counties had landings of bait shrimp.

^bLess than .05 percent.

^cData for these years appears incorrect but is reproduced as reported in the source.

Source: Computed from [1].

Table 12. Commercial landings and values of finfish and shellfish in Indian River county, 1952-1973

Year	Pounds			Dollars			Percent of State	Percent of Region	Percent of State	Percent of Region
	Finfish	Shellfish	Total	Finfish	Shellfish	Total				
1971-1973 average	2,404.3	604.9	3,009.2	1.7	5.9	425.0	493.4	0.9	5.1	5.1
1973	2,336.1	345.1	2,681.2	1.6	5.9	503.2	551.1	0.9	5.3	5.3
1972	2,718.7	554.2	3,273.0	1.8	6.2	443.1	507.4	0.9	5.2	5.2
1971	2,158.1	915.4	3,073.5	1.7	5.7	328.5	421.9	0.9	4.7	4.7
1970	1,858.3	887.2	2,745.5	1.4	4.4	260.2	356.7	0.8	4.4	4.4
1969	1,518.3	724.9	2,243.2	1.2	4.5	203.2	283.2	0.7	3.6	3.6
1968	1,786.7	521.2	2,307.9	1.2	4.3	268.1	319.9	0.8	4.4	4.4
1967	2,681.2	1,241.8	3,923.0	1.9	5.0	312.2	411.8	1.2	6.5	6.5
1966	2,320.3	1,084.8	3,405.1	1.7	5.3	271.5	358.2	1.0	6.4	6.4
1965	1,894.7	1,196.8	3,091.4	1.4	5.0	202.2	318.0	0.9	5.5	5.5
1964	1,828.8	1,596.1	3,424.9	1.8	7.3	171.1	275.6	0.9	6.8	6.8
1963	1,626.7	1,065.7	1,262.9	1.6	2.2	158.2	149.1	0.8	3.2	3.2
1962	1,406.5	1,278.8	2,685.3	1.4	4.1	140.9	231.7	0.7	4.2	4.2
1961	1,224.1	1,596.0	2,820.1	1.4	4.5	110.2	199.6	0.7	3.9	3.9
1960	1,331.5	1,300.3	2,631.8	1.3	5.0	106.0	182.7	0.7	4.1	4.1
1959	1,367.4	1,345.2	2,712.6	1.3	3.7					
1958	1,016.1	630.7	1,646.8	0.9	3.9					
1957	954.2	456.3	1,410.5	0.9	3.2					
1956	1,372.6	926.1	2,298.7	1.3	2.3					
1955	1,492.5	952.3	2,444.7	1.1	3.7					
1954	1,387.7	828.7	2,216.3	1.3	3.2					
1953	1,398.3	645.8	2,044.1	1.0	2.2					
1952	1,251.1	585.0	1,836.1	0.7	1.2					
-----Thousands-----										
-----Thousands-----										
Not Available										

Source: Computed from [1].

Blue crab, menhaden, king mackerel, and spot represent 80.4 percent of total pounds landed in Indian River County (Table 9). Black mullet is the only other species contributing over 5 percent to county landings. King mackerel, blue crabs, and spot constitute 68.1 percent of the value of landings. Although menhaden constitute one-fifth of landings, their low value per pound causes them to contribute less than five percent to total value of landings. Finfish contribute a total of 86.1 percent of the value of Indian River County landings.

Blue crab landings compared to other species show the most erratic landings pattern over the 22 year period (Table 13). Landings ranged between 456 and 952 thousand pounds from 1952 to 1958, between 1.1 and 1.6 million pounds from 1959 to 1967 and between 338 and 911 thousand pounds from 1968 to 1973. These changes could have occurred because of changes in plant location or other similar factors. Spot, king mackerel, and menhaden landings show an overall increasing trend. King mackerel has the most dramatic increase from virtually no landings in the 1950s to an average of 617.5 thousand pounds from 1971-73.

Martin County

Total landings in Martin County since 1952 have ranged from a low of 1.07 million pounds in 1955 to a high of 3.5 million pounds in 1968 (Table 14). The overall trend is upward with 1968, 1969 and 1972 landings all larger than three million pounds. The 1971-73 average was 2.96 million pounds (Table 15). Martin County landings average about 1.8 percent of Florida total landings and 5.8 percent of Region landings. Finfish normally are 95 percent of Martin County landings. Both shellfish and finfish landings increased in the county during the period.

The average value of landings from 1971-73 for Martin County was \$504 thousand (Table 14). The maximum occurred in 1973 at \$567 thousand. Value of landings make up a slightly lower percentage of both the State and Regional value of landings than did pounds landed.

Spanish mackerel and bluefish contribute 57.8 percent of Martin County landings with 30.2 and 27.6 percent, respectively (Table 15). Spot, black mullet, sand perch, sheepshead, and blue crab each contribute 8.2, 5.9, 4.2, 4.0, and 3.7 percent, respectively. Three species represent 54.9 percent to total value of landings. These are Spanish mackerel, pompano, and bluefish. Spot (7.7 percent) is the only other species which contributes more than 5 percent to the total value of Martin County landings. Small landings of live bait shrimp occurred in Martin County during the late 1960s (Table 11).

Landings of Spanish mackerel, spot, goatfish and bluefish have increased steadily (Table 16). Spanish mackerel landings have ranged between 545 thousand and 1.7 million pounds since 1965. Prior to that, landings were less than 400 thousand pounds with the exceptions of the 1956-58 period. Spot landings were a maximum at 525 thousand pounds in 1971 and bluefish maximum landings were in 1969 at 764 thousand pounds. The three year average for bluefish was 583 thousand pounds. King whiting landings maintained a fairly stable level with wide annual fluctuations.

Table 13. Species landings, values, and prices for Indian River county, 1952-73

Year	King mackerel			Menhaden			Pompano		
	Pounds	Dollars	Cents	Pounds	Dollars	Cents	Pounds	Dollars	Cents
1971-73 average	617.5	193.4	30.5	743.3	22.4	3.0	33.1	39.7	120.1
1973	728.2	278.6	38.2	635.0	19.1	3.0	43.2	50.3	116.5
1972	648.9	179.1	27.6	889.8	26.8	3.0	30.0	40.5	135.0
1971	475.4	122.4	25.7	705.2	21.2	3.0	26.1	28.3	108.8
1970	118.2	34.0	28.8	656.6	20.7	3.1	33.1	41.4	125.0
1969	7.0	1.5	21.0	464.4	13.8	3.0	53.6	52.1	97.3
1968	14.0	3.8	27.1	0.0	0.0	0.0	144.0	102.3	71.1
1967	36.1	8.1	22.5	787.9	19.7	2.5	121.8	63.3	52.0
1966	14.6	2.6	18.0	434.4	10.6	2.4	95.0	70.5	74.2
1965	28.4	4.8	16.8	531.2	12.5	2.4	95.3	55.3	58.0
1964	43.7	5.9	13.5	333.6	8.4	2.5	12.3	8.3	67.6
1963	94.2	10.7	11.4	331.8	8.3	2.5	18.7	12.3	65.6
1962	26.8	5.0	18.8	289.8	7.3	2.5	11.9	7.4	62.0
1961	2.0	.3	13.0	322.5	7.4	2.3	18.5	13.2	71.4
1960	.8	.1	12.0	430.0	10.3	2.4	10.2	6.9	67.4
1959	20.2	NA	NA	425.6	NA	NA	5.3	NA	NA
1958	20.0	NA	NA	214.2	NA	NA	10.3	NA	NA
1957	48.1	0.0	0.0	245.6	NA	NA	11.8	NA	NA
1956	3.2	0.0	0.0	366.8	NA	NA	12.6	NA	NA
1955	.2	NA	NA	308.6	NA	NA	9.0	NA	NA
1954	.3	NA	NA	388.7	NA	NA	6.3	NA	NA
1953	.5	NA	NA	296.1	NA	NA	4.8	NA	NA
1952	5.5	NA	NA	20.0	NA	NA	12.4	NA	NA

Table 13. Extended

Year	Spotted sea trout			Spot			Blue crab		
	Pounds	Dollars	Cents	Pounds	Dollars	Cents	Pounds	Dollars	Cents
1971-73 average	85.7	31.2	36.8	458.5	77.0	16.9	600.4	65.6	11.3
1973	60.6	24.3	40.1	299.8	50.8	16.9	338.1	42.5	12.6
1972	111.7	39.9	35.7	622.2	101.9	16.4	552.6	62.8	11.4
1971	84.9	29.3	34.5	453.5	78.4	17.3	910.7	91.3	10.0
1970	132.8	43.2	32.6	394.3	64.8	16.4	874.7	87.5	10.0
1969	139.0	44.1	31.7	194.3	35.5	18.3	706.3	69.4	9.8
1968	119.1	37.9	31.8	345.8	47.3	13.7	518.2	50.2	9.7
1967	143.3	42.2	29.5	506.5	72.9	14.4	1,234.2	95.8	7.8
1966	173.9	46.3	26.6	390.1	57.1	14.6	1,084.3	86.5	8.0
1965	146.2	36.2	24.7	243.6	35.4	14.5	1,188.2	133.1	11.2
1964	138.5	37.4	27.0	450.0	59.5	13.2	1,588.7	102.3	6.4
1963	144.0	34.6	24.0	441.0	55.1	12.5	1,065.1	60.8	5.7
1962	161.7	39.5	24.4	370.2	43.7	11.8	1,278.6	90.8	7.1
1961	99.9	23.0	23.0	389.9	43.3	11.1	1,595.8	89.4	5.6
1960	118.7	26.1	22.0	349.8	32.5	9.3	1,300.1	76.7	5.9
1959	109.7	NA	NA	361.3	NA	NA	1,345.2	NA	NA
1958	117.8	NA	NA	140.8	NA	NA	630.7	NA	NA
1957	156.5	NA	NA	104.2	NA	NA	455.9	NA	NA
1956	184.4	NA	NA	161.4	NA	NA	926.1	NA	NA
1955	218.2	NA	NA	162.9	NA	NA	952.3	NA	NA
1954	239.7	NA	NA	141.1	NA	NA	828.3	NA	NA
1953	274.8	NA	NA	31.0	NA	NA	642.0	NA	NA
1952	325.3	NA	NA	39.0	NA	NA	576.6	NA	NA

NA - Not Available

Table 14. Commercial landings and values of finfish and shellfish in Martin county, 1952-1973

Year	Pounds				Dollars					
	Finfish	Shellfish	Total	Percent of State	Percent of Region	Finfish	Shellfish	Total	Percent of State	Percent of Region
1971-73 average	2,838.0	121.3	2,959.3	1.7	5.8	474.5	29.7	504.3	0.9	5.2
1973	2,598.6	86.6	2,685.2	1.6	5.9	540.0	27.2	567.2	0.9	5.5
1972	2,193.8	121.8	3,315.6	1.8	6.2	487.4	40.4	527.7	0.9	5.4
1971	2,721.5	155.4	2,876.9	1.6	5.3	396.2	21.7	417.9	0.9	4.7
1970	2,605.6	247.2	2,852.8	1.5	4.6	383.6	28.0	411.6	1.0	5.1
1969	3,025.5	121.4	3,146.9	1.7	6.4	422.7	17.2	439.9	1.0	5.7
1968	3,433.2	70.9	3,504.1	1.8	6.6	416.2	9.8	426.1	1.1	5.8
1967	2,485.5	43.4	2,528.9	1.2	3.2	321.1	10.0	331.1	1.0	5.2
1966	2,358.1	80.3	2,438.4	1.2	3.8	316.1	25.9	342.0	1.0	6.2
1965	2,639.4	47.8	2,687.2	1.3	4.3	272.5	9.7	282.2	0.8	4.9
1964	2,098.4	56.0	2,154.5	1.2	4.6	212.0	3.6	215.6	0.7	5.3
1963	1,974.5	62.4	2,036.9	1.0	3.5	200.8	3.6	204.3	0.7	4.3
1962	1,915.5	58.7	1,974.2	1.0	3.0	215.0	3.8	218.8	0.7	4.0
1961	1,670.6	100.8	1,771.3	0.9	2.8	170.2	6.1	176.2	0.7	3.5
1960	1,408.6	99.1	1,507.7	0.8	2.9	135.4	6.0	141.4	0.5	3.2
1959	1,105.2	48.0	1,153.2	0.5	1.6					
1958	1,972.0	77.1	2,049.1	1.2	4.9					
1957	1,648.0	55.3	1,703.4	1.0	3.8					
1956	1,538.3	26.6	1,564.9	0.9	1.6					
1955	1,056.1	11.7	1,067.8	0.5	1.6					
1954	1,072.0	41.0	1,113.1	0.6	1.6					
1953	1,347.1	107.2	1,454.3	0.7	1.5					
1952	1,739.8	34.6	1,774.3	0.7	1.2					

-----Thousands-----

Not Available

Source: Computed from [1].

Table 15. Commercial landings and value of important species of finfish and shellfish in Martin and Nassau Counties, three-year average, 1971-1973

Species	Martin			Nassau		
	Pounds	Percent of County	Dollars -Thousands-	Pounds	Percent of County	Dollars -Thousands-
Black mullet	173.9	5.9	11.9	1.5	a	.2
Bluefish	816.1	27.6	72.4	2.4	a	.3
Bluerunner	40.6	1.6	3.3	0.0	0.0	0.0
Croaker	69.5	2.3	15.2	0.0	0.0	0.0
Flounder	2.6	.1	.7	12.9	a	2.6
Goatfish	68.8	2.3	19.2	0.0	0.0	0.0
Groupers	13.8	.5	5.0	47.1	.2	11.8
King mackerel	31.3	1.1	13.9	.2	a	a
King whiting	107.5	3.6	21.3	85.8	.4	9.7
Menhaden	1.0	a	a	18,884.9	90.3	364.8
Pompano	67.4	2.3	83.4	a	a	a
Sand perch	125.2	4.2	11.9	0.0	0.0	0.0
Sheepshead	136.8	4.0	19.7	1.1	a	.2
Red snapper	.7	a	.7	6.6	a	4.7
Spanish mackerel	893.6	30.2	121.2	.5	a	a
Spot	242.5	8.2	38.9	.3	a	a
Other finfish	46.7	1.6	35.9	67.4	.3	2.4
Total finfish	2,838.0	95.9	474.6	19,110.7	91.4	396.7
Blue crabs	108.3	3.7	15.8	812.5	3.9	74.4
Spiny lobster	12.2	.4	13.6	0.0	0.0	0.0
Shrimp	0.0	0.0	0.0	989.6	4.7	964.9
Other shellfish	.8	a	.3	1.2	a	1.0
Total shellfish	121.3	4.1	29.7	1,803.3	8.6	1,040.3
Grand total	2,959.3	100.0	504.3	20,914.0	100.0	1,437.0

^aLess than .1 percent.

Source: Computed from [1].

Table 16. Species landings, values, and prices for Martin county, 1952-1973

Year	Bluefish			King whiting			Pompano		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	582.7	72.4	12.4	107.5	21.3	21.0	67.4	83.4	123.8
	---Thousands---			---Thousands---			---Thousands---		
1973	510.3	73.7	14.4	55.6	13.9	24.9	108.3	122.6	113.2
1972	743.2	90.0	12.1	111.0	22.2	20.2	46.3	65.3	140.9
1971	494.7	53.4	10.8	155.9	28.0	18.0	47.6	62.5	131.2
1970	615.7	67.7	11.0	123.7	18.7	15.1	82.6	102.7	124.3
1969	763.5	89.8	11.8	80.3	14.5	18.1	112.3	109.3	97.3
1968	651.9	69.3	10.6	101.2	15.9	15.7	166.3	106.9	64.2
1967	448.3	54.5	12.1	151.5	23.2	15.3	153.1	92.9	60.7
1966	480.8	52.9	11.0	226.1	28.0	12.4	122.8	87.6	71.3
1965	242.1	26.1	10.8	213.8	24.3	11.4	50.0	33.7	66.6
1964	323.3	29.9	9.2	191.1	16.8	8.8	56.1	37.9	67.5
1963	309.1	42.8	8.4	124.9	10.4	8.3	53.4	35.0	65.6
1962	370.3	35.9	9.7	257.4	20.1	7.8	79.8	56.7	71.0
1961	325.8	30.0	9.2	49.9	3.2	6.5	36.7	24.1	65.5
1960	197.5	21.1	10.7	212.9	18.7	8.8	25.1	16.6	66.0
1959	226.8			85.8			22.5		
1958	159.7			169.4			31.3		
1957	112.9			132.1			43.4		
1956	223.7	Not available		170.6	Not available		47.8	Not available	
1955	140.2			65.1			23.6		
1954	87.5			51.0			17.7		
1953	165.0			130.0			9.8		
1952	113.9			85.7			79.5		

Extended

Table 16. Extended

Year	Spanish Mackerel			Spot			Goatfish		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	893.6	121.2	13.3	242.5	38.9	16.2	68.8	19.2	27.7
	---Thousands---			---Thousands---			---Thousands---		
1973	927.4	147.4	15.9	43.1	7.2	16.8	69.0	21.3	30.8
1972	1,208.3	154.8	12.8	159.8	25.2	15.8	78.1	22.2	28.4
1971	545.1	61.5	11.3	524.6	84.3	16.1	59.2	14.2	24.0
1970	844.0	95.2	11.3	88.1	14.0	15.9	21.8	3.9	18.0
1969	1,059.1	108.8	10.3	101.8	18.3	18.0	42.0	6.0	14.3
1968	1,724.7	153.3	8.9	85.4	11.1	13.0	35.8	4.0	11.3
1967	683.6	54.6	8.0	39.6	6.2	15.8	79.7	8.2	10.4
1966	696.1	69.6	10.0	25.3	3.3	13.2	35.7	4.1	11.4
1965	1,173.9	115.0	9.8	51.8	8.0	15.4	33.1	2.8	8.3
1964	397.2	33.6	8.4	64.0	8.5	13.2	0.0	0.0	0.0
1963	296.9	27.0	9.1	87.1	10.9	12.5	0.0	0.0	0.0
1962	369.6	31.5	8.5	27.9	2.8	10.0	0.0	0.0	0.0
1961	298.4	30.7	10.3	109.2	12.0	11.0	0.0	0.0	0.0
1960	183.0	18.3	10.0	74.5	6.9	9.2	0.0	0.0	0.0
1959	138.2			22.5			0.0		
1958	901.5			44.0			0.0		
1957	707.0			16.8			0.0		
1956	555.8	Not available		4.4	Not available		0.0	Not available	
1955	217.4			2.6			0.0		
1954	98.9			16.0			0.0		
1953	163.1			5.0			45.4		
1952	276.5			2.7			55.2		

Source: Computed from [1].

Pompano landings declined to a 1971-73 three year average of 67 thousand pounds from landings of over 112 thousand for the years 1966 to 1969. Landings prior to that were seldom over 50 thousand pounds. Some live bait shrimp were landed in Martin County between 1965 and 1970 (Table 11).

Nassau County

Total landings have fluctuated substantially in Nassau due to variations in menhaden landings. Total landings in the last 22 years were maximum in 1952 at 122.8 million pounds and minimum in 1958 at 10.9 million pounds (Table 17). Shellfish landings have ranged between 1.4 million and 3.9 million pounds during the 22 years. The large landings of finfish make Nassau County contribute a proportionately larger share of Florida and East Coast regional landings than any other county. For the 1971-73 period Nassau County has contributed 12.0 percent of Florida landings and 41.3 percent of the East Coast region's landings.

Total value of landings ranged from a low of \$817.2 thousand in 1963 to a high of \$1.4 million in 1972. Since menhaden are low in value per pound, Nassau County's contribution to the Florida total value of landings has been 2.6 percent and 14.8 percent to the region.

Menhaden, shrimp, and blue crabs account for a total of 98.7 percent of Nassau County landings with individual landings at 90.3, 4.7, and 3.9 percent, respectively (Table 15). Finfish represent 91.4 percent of total county landings but only 27.6 percent of the value with menhaden representing 25.4 percent of the total (Table 15). Shrimp contribute 67.1 percent and blue crabs 5.2 percent. Some live bait shrimp were landed in Nassau County during the late 1960s.

Menhaden landings have been fairly stable since 1968 with a 1971-73 average of 18.9 million pounds (Table 18). Landings prior to that fluctuated much more on an annual basis (Table 18). Total value of menhaden landings was highest in 1973 at \$569 thousand. Price was also highest in 1973. Blue crab landings were maximum in 1960 when slightly over two million pounds were landed. With the exception of 1970 when landings were 1.3 million pounds blue crab landings ranged between 699 and 943 thousand pounds since 1966. Shrimp landings have always been between one and two million pounds since 1952 with the exception of 1973 when landings were 685 thousand pounds. This brought the 1971-73 average below one million pounds to 990 thousand (Table 18).

Palm Beach County

Total landings in Palm Beach County ranged from a low of two million pounds in 1954 to a high of 6.9 million in 1958 (Table 19). Finfish are predominate with over 90 percent of total landings (Table 20). Shellfish landings have increased slightly since the early part of the 22 year period under consideration. County landings for 1971-73 represent 2.0 percent of

Table 17. Commercial landings and value of finfish and shellfish in Nassau County, 1952-1973

Year	Pounds				Dollars					
	Finfish	Shellfish	Total	Percent of State	Finfish	Shellfish	Total	Percent of State	Percent of Region	
1971-73 average	19,110.7	1,803.3	20,914.0	12.0	41.3	396.7	1,040.3	1,437.0	2.6	14.8
1973	17,577.4	1,425.7	19,003.1	11.6	42.0	580.8	974.9	1,555.7	2.5	15.1
1972	20,515.5	1,937.2	22,452.8	12.5	42.3	297.0	1,140.4	1,437.4	2.5	14.6
1971	19,239.2	2,047.0	21,286.2	11.9	39.6	312.3	1,005.8	1,318.0	2.9	14.7
1970	27,250.9	2,424.7	29,675.6	15.4	47.8	380.7	738.6	1,119.3	2.6	13.8
1969	19,311.8	2,461.7	21,683.5	12.0	44.0	332.0	982.5	1,314.5	3.2	16.9
1968	24,525.4	2,368.9	26,894.3	14.1	50.6	334.4	1,112.0	1,446.3	3.7	19.7
1967	45,096.0	2,497.0	47,593.0	22.9	61.0	488.2	839.9	1,288.0	3.9	20.4
1966	32,180.3	2,357.7	34,538.0	17.0	53.9	450.1	909.3	1,359.4	3.9	24.5
1965	31,241.9	3,260.8	34,502.7	16.3	55.4	426.8	794.4	1,221.1	3.4	21.1
1964	16,951.7	2,925.3	19,877.0	10.6	42.4	433.1	403.9	837.0	2.7	20.7
1963	26,898.3	3,084.6	29,982.9	15.3	51.6	280.5	536.7	817.2	2.8	17.4
1962	34,222.2	3,612.4	37,834.5	19.1	58.0	326.1	883.4	1,209.5	3.7	22.0
1961	32,896.0	3,209.5	36,105.6	17.9	57.1	279.6	629.3	908.9	3.3	17.9
1960	24,439.6	3,903.1	28,342.7	14.4	53.8	205.7	674.2	879.9	3.3	19.8
1959	46,439.2	2,862.4	49,301.6	23.2	66.7					
1958	7,876.3	2,988.6	10,864.9	6.2	25.9					
1957	16,676.3	2,639.7	19,316.0	11.8	43.7					
1956	67,744.8	2,437.0	70,181.9	39.4	69.9					
1955	36,331.0	2,573.5	38,904.5	18.1	59.1					
1954	41,658.9	2,882.6	44,541.5	25.6	63.6					
1953	65,471.2	2,381.3	67,852.5	32.4	71.9					
1952	120,340.4	2,425.2	122,765.6	46.4	82.0					

-----Thousands-----

Not available

Source: Computed from [1].

Table 18. Species, landings, values, and prices for Nassau County, 1952-1973

Year	Grouper			King whiting			Menhaden		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	47.1	11.8	27.4	85.8	9.7	12.2	18,884.9	364.8	2.0
1973	.5	.2	31.9	28.6	4.2	14.7	17,496.4	568.7	3.2
1972	68.4	20.9	30.5	107.1	11.8	11.0	20,305.0	253.9	1.3
1971	72.4	14.4	19.8	121.6	13.1	10.8	18,853.1	271.8	1.4
1970	49.8	11.1	22.3	66.7	6.0	9.0	27,065.5	341.4	1.3
1969	200.0	41.7	20.9	71.0	7.8	11.0	18,582.5	234.1	1.3
1968	210.1	37.8	18.0	142.0	12.1	8.5	23,236.9	218.7	.9
1967	11.9	1.8	15.0	112.8	11.9	10.6	42,283.7	401.7	.9
1966	0.0	0.0	0.0	106.8	10.3	9.6	32,011.9	435.4	1.4
1965	0.0	0.0	0.0	113.4	8.5	7.5	30,923.0	411.3	1.3
1964	0.0	0.0	0.0	59.2	5.2	8.8	16,772.7	422.7	2.5
1963	0.0	0.0	0.0	80.0	6.6	8.3	25,245.3	252.5	1.0
1962	.5	.5	10.0	74.2	6.6	8.9	33,948.2	312.3	.9
1961	0.0	0.0	0.0	83.6	6.9	8.2	32,584.6	263.6	.8
1960	.4	.5	11.9	65.4	5.2	8.0	24,037.7	189.9	.7
1959	0.0	0.0	0.0	18.9	NA	NA	46,141.5	NA	NA
1958	0.0	0.0	0.0	65.6	NA	NA	7,638.0	NA	NA
1957	0.0	0.0	0.0	101.5	NA	NA	16,593.6	NA	NA
1956	0.0	0.0	0.0	116.9	NA	NA	67,610.4	NA	NA
1955	0.0	0.0	0.0	95.7	NA	NA	35,914.7	NA	NA
1954	0.0	0.0	0.0	121.7	NA	NA	41,446.5	NA	NA
1953	0.0	0.0	0.0	82.5	NA	NA	65,175.6	NA	NA
1952	0.3	0.0	0.0	133.1	NA	NA	119,975.6	NA	NA

Table 18. Extended

Year	Red snapper		Blue crabs		Shrimp				
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.			
1971-73 average	6.6	4.8	77.3	812.5	74.4	9.4	989.6	964.9	101.6
1973	.4	.4	86.8	738.7	89.5	12.1	684.9	883.6	129.0
1972	8.1	6.1	75.0	756.0	67.7	9.0	1,179.7	1,071.2	90.8
1971	11.1	7.8	70.0	943.0	66.0	7.0	1,104.1	939.8	85.1
1970	28.2	17.7	60.6	1,337.1	96.7	7.2	1,087.6	641.9	59.0
1969	53.0	31.8	60.0	920.1	71.0	7.7	1,451.6	911.5	62.8
1968	96.0	42.5	44.3	699.3	48.3	6.9	1,669.2	1,063.6	63.7
1967	8.9	3.6	40.1	905.1	43.1	4.8	1,594.9	796.8	50.0
1966	0.0	0.0	NA	766.7	46.0	6.0	1,590.6	863.1	54.3
1965	.1	0.2	27.4	0.0	0.0	NA	1,664.5	719.5	43.2
1964	0.0	0.0	0.0	1,764.3	113.6	6.4	1,160.6	290.2	25.0
1963	.3	.1	31.0	1,903.9	108.6	5.7	1,180.3	428.0	36.3
1962	.9	.2	28.6	1,930.8	85.0	4.4	1,680.2	798.1	47.5
1961	0.0	0.0	0.0	1,783.6	67.8	3.8	1,424.8	561.2	39.4
1960	0.0	0.0	0.0	2,030.1	81.2	4.0	1,817.2	592.4	31.7
1959	0.0	0.0	0.0	1,485.6	NA	NA	1,375.8	NA	NA
1958	0.0	0.0	0.0	1,442.0	NA	NA	1,543.2	NA	NA
1957	0.0	0.0	0.0	711.7	NA	NA	1,925.9	NA	NA
1956	0.0	0.0	0.0	885.3	NA	NA	1,552.3	NA	NA
1955	0.0	0.0	0.0	872.7	NA	NA	1,697.3	NA	NA
1954	0.0	0.0	0.0	1,216.5	NA	NA	1,662.0	NA	NA
1953	0.0	0.0	0.0	1,149.2	NA	NA	1,220.4	NA	NA
1952	0.0	0.0	0.0	876.8	NA	NA	1,542.6	NA	NA

NA - Not Available

Florida landings and 6.8 percent of East Coast landings.

Total value of landings reached a maximum of \$1.2 million in 1973. Averages for 1971-73 represented 1.8 percent of the Florida total value of landings and 10.5 percent of the East Coast region's value of landings (Table 19).

Four species of finfish represent the majority of landings. Spanish mackerel, king mackerel, bluefish, and spot contribute 30.7, 28.4, 6.5, and 4.5 percent of County landings, respectively (Table 20). King and Spanish mackerel were the most important in terms of value of landings. King mackerel landings were lower during 1971-73 at approximately 1 million pounds average than at any time since 1955. Landings peaked in 1970 at 3.06 million pounds (Table 21). Spanish mackerel landings have been more erratic than king mackerel on an annual basis. Maximum landings occurred in 1958 at 4.9 million pounds and were minimum in 1967 at 336 thousand pounds. The 1971-73 average was 1.1 million pounds (Table 21). Landings in seven of the 22 years since 1952 have been below one million pounds. Spiny lobster contribute 6.3 percent of County landings and 21.6 percent of the value of County landings. Trends in bluefish, mutton snapper, spiny lobster, and pompano landings are also shown in Table 21.

Putnam County

Total landings in Putnam County declined slightly over the 22 years since 1952 (Table 22). Landings fell slightly below two million pounds in 1973 for the first time in the period. Maximum landings occurred in 1962 and 1963 with landings slightly greater than five million pounds both years. Finfish landings are much greater than shellfish landings in Putnam County. Putnam County provides 1.5 percent of State landings and 5.0 percent of landings along the East Coast. Maximum value of all landings also occurred in 1962 and 1963. The total value of Putnam County landings provides slightly less than one percent of Florida's total and five percent of the regional total.

Catfish and blue crabs are the two most important species in Putnam County providing 80.8 and 15.7 percent of the county's landings, respectively (Table 20). Because catfish are more valuable they provide 87.0 percent of the county total value of landings.

Eels and shad are the other two species of importance with shad landings decreasing and eel landings increasing in the last few years (Table 23). Catfish landings have caused the major fluctuations in county landings with maximum landings occurring in 1963. The 1971-73 average was 2.1 million pounds. Blue crab landings have shown a similar trend pattern with maximum landings occurring in 1966.

St. Johns County

Total landings in St. Johns County were fairly low in the early 1950s. Since 1956 total landings increased substantially, ranging between 3.5

Table 20. Commercial landings and value of finfish and shellfish in Palm Beach and Putnam Counties, three-year average, 1971-1973

Species	Palm Beach			Putnam			
	Pounds	Percent of County	Dollars	Percent of County	Pounds	Dollars	Percent of County
	-Thousands-		-Thousands-		-Thousands-		
Bluefish	229.0	6.5	28.7	2.8	0.0	0.0	0.0
Catfish (Freshwater) ^a	0.0	0.0	0.0	0.0	2,064.5	415.4	87.0
Eels	0.0	0.0	0.0	0.0	60.4	10.3	2.2
Groupers	24.0	.7	7.4	.7	0.0	0.0	0.0
King mackerel	1,005.4	28.4	358.1	35.1	0.0	0.0	0.0
Mangrove snapper	35.7	1.0	22.5	2.2	0.0	0.0	0.0
Mutton snapper	102.7	2.9	77.1	7.6	0.0	0.0	0.0
Pompano	30.1	.8	40.1	3.9	0.0	0.0	0.0
Red snapper	9.9	.3	8.3	.8	0.0	0.0	0.0
Shad	0.0	0.0	0.0	0.0	33.6	5.6	1.2
Spanish mackerel	1,087.5	30.7	148.4	14.6	0.0	0.0	0.0
Spot	161.1	4.5	28.2	2.7	0.0	0.0	0.0
Yellowtail snapper	28.9	.8	20.4	2.0	6.0	0.0	0.0
Other finfish	476.2	13.4	57.9	5.7	b	b	b
Total finfish	3,190.5	90.1	797.1	78.2	2,154.0	430.1	90.1
Blue crabs	.6	0.0	.1	0.0	401.7	47.5	9.9
Spiny lobster	224.2	6.3	219.8	21.6	0.0	0.0	0.0
Other shellfish	126.8	3.6	2.4	.2	0.0	0.0	0.0
Total shellfish	351.6	9.9	222.3	21.8	401.7	47.5	9.9
Grand total	3,542.1	100.0	1,019.4	100.0	2,555.7	477.6	100.0

^aIncludes only catfish handled by producers of marine species.

^bDue to a small error in the data source this residual is slightly negative.

Source: Computed from [1].

Table 21. Species landings, values, and prices for Palm Beach County, 1952-1973

Year	Bluefish			King mackerel			Mutton snapper		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	229.0	28.7	12.2	1,005.4	358.1	34.5	102.7	77.2	74.4
	-----Thousands----			-----Thousands----			-----Thousands----		
1973	259.0	35.4	13.6	1,269.0	544.9	42.9	127.3	102.4	80.4
1972	2.0	.2	11.2	882.6	296.3	33.6	90.4	65.6	72.5
1971	426.0	50.6	11.9	864.6	233.2	27.0	90.2	63.5	70.4
1970	395.7	29.2	9.9	3,061.5	620.0	20.2	88.5	48.1	54.4
1969	241.8	26.0	10.8	2,207.0	389.0	17.6	47.9	26.3	55.0
1968	297.3	32.3	10.9	1,458.7	231.6	15.9	29.6	10.5	35.6
1967	222.8	26.1	11.7	1,421.9	201.2	14.1	23.1	7.8	33.6
1966	210.1	21.8	10.4	1,283.6	216.8	16.9	67.1	20.9	31.1
1965	136.3	14.1	10.3	1,718.7	240.6	14.0	33.0	8.5	25.8
1964	307.6	28.4	9.2	1,238.0	167.6	13.5	27.9	7.0	25.0
1963	219.8	18.5	8.4	1,243.8	141.8	11.4	28.9	6.0	20.7
1962	350.0	34.7	9.9	1,169.9	154.4	13.2	31.3	7.4	23.8
1961	240.0	23.3	9.7	1,608.7	201.9	12.5	25.6	5.4	21.0
1960	297.4	31.2	5.0	1,448.7	176.7	12.2	36.2	7.2	20.0
1959	451.9			1,818.4			21.0	NA	NA
1958	429.1			1,268.1			45.0	0.0	0.0
1957	483.0			1,430.2			35.6	0.0	0.0
1956	.3	Not available		1,090.0	Not available		25.2	0.0	0.0
1955	582.0			504.8			31.3	0.0	0.0
1954	314.4			310.8			38.2	0.0	0.0
1953	564.0			524.8			22.0	0.0	0.0
1952	667.8			727.2			54.0	0.0	0.0

Table 22. Commercial landings and values of finfish and shellfish in Putnam County, 1952-1973

Year	Pounds			Dollars			Percent of State Region	Percent of State Region		
	Finfish	Shellfish	Total	Finfish	Shellfish	Total				
1971-73 average	2,154.0	401.7	2,555.7	1.5	5.0	430.1	47.5	477.6	.9	5.0
1973	1,784.5	182.2	1,966.7	1.2	4.3	405.4	30.1	435.4	.7	4.2
1972	2,301.7	421.5	2,723.2	1.5	5.1	422.8	55.9	478.7	.8	5.0
1971	2,375.7	601.5	2,977.2	1.7	5.5	462.0	56.7	518.7	1.1	5.8
1970	2,134.8	265.0	2,399.8	1.2	3.9	390.7	16.0	406.7	.9	5.0
1969	2,302.4	126.9	2,429.3	1.4	4.9	365.8	10.5	376.3	.9	4.8
1968	2,423.5	303.0	2,726.5	1.4	5.1	390.5	19.5	409.9	1.0	5.6
1967	1,891.9	826.6	2,718.5	1.3	3.5	295.3	46.4	341.6	1.0	5.4
1966	2,586.4	887.3	3,473.7	1.7	5.4	383.6	59.2	371.4	1.3	8.0
1965	2,728.0	807.7	3,535.7	1.7	5.7	376.1	47.1	423.2	1.2	7.3
1964	3,895.8	299.3	4,195.1	2.2	8.9	518.0	19.3	537.3	1.1	8.3
1963	4,805.1	311.0	5,116.1	2.6	8.8	641.5	17.8	659.3	2.3	14.0
1962	4,278.3	727.5	5,005.7	2.5	7.7	559.4	40.0	559.4	1.7	10.2
1961	2,644.1	723.9	3,368.0	1.7	5.3	343.1	25.3	368.5	1.4	7.3
1960	2,335.3	389.9	2,725.2	1.4	5.2	287.1	17.6	304.6	1.1	6.9
1959	3,427.9	843.7	4,271.5	2.0	5.8					
1958	2,803.3	137.6	2,940.9	1.7	7.0					
1957	2,960.1	817.9	3,778.0	2.3	8.5					
1956	4,217.9	696.8	4,914.7	2.8	4.9					
1955	3,804.1	341.9	4,145.9	1.9	6.3					
1954	2,231.9	345.3	2,577.1	1.5	3.7					
1953	2,061.6	432.7	2,494.3	1.2	2.6					
1952	2,725.7	323.7	3,049.5	1.2	2.0					
							Not available			

Source: Computed from [1].

Table 23. Species landings, values, and prices for Putnam County, 1952-1973

Year	Shad			Eels		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	33.9	5.6	17.5	60.5	10.3	16.4
1973	0.0	0.0	0.0	81.8	16.3	19.9
1972	8.5	1.6	18.8	61.0	8.9	14.6
1971	59.2	9.6	16.2	38.4	5.7	14.7
1970	56.5	8.1	14.4	29.9	3.0	10.0
1969	183.0	21.0	11.5	59.2	5.9	10.0
1968	224.3	26.7	11.9	47.6	4.8	10.0
1967	196.9	24.4	12.4	27.1	2.5	9.4
1966	312.9	34.4	11.0	30.5	2.3	7.7
1965	482.8	43.0	8.9	70.0	4.5	6.4
1964	375.2	37.0	9.8	122.1	6.3	5.2
1963	333.5	35.7	10.7	0.0	0.0	0.0
1962	574.2	56.2	9.8	0.0	0.0	0.0
1961	333.3	54.7	16.4	0.0	0.0	0.0
1960	325.0	42.2	13.0	0.0	0.0	0.0
1959	381.0	NA	NA	0.0	0.0	0.0
1958	386.6	NA	NA	6.7	NA	NA
1957	270.1	NA	NA	7.6	NA	NA
1956	160.7	NA	NA	5.1	NA	NA
1955	209.9	NA	NA	5.7	NA	NA
1954	153.1	NA	NA	3.7	NA	NA
1953	69.5	NA	NA	6.8	NA	NA
1952	139.7	NA	NA	11.9	NA	NA

Table 23. Extended

Year	Blue crabs			Catfish (Freshwater)		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
	-----Thousands-----			-----Thousands-----		
1971-73 average	401.7	47.5	13.0	2,064.5	415.4	20.4
1973	182.2	30.0	16.5	1,685.5	387.3	23.0
1972	421.5	55.9	13.2	2,231.7	412.2	18.5
1971	601.5	56.7	9.4	2,276.2	446.6	19.6
1970	265.0	16.0	6.0	1,818.5	374.6	20.6
1969	126.9	10.5	8.2	1,664.7	332.9	20.0
1968	303.0	19.5	6.4	1,789.3	350.5	19.6
1967	826.7	46.4	5.6	1,448.2	261.3	18.0
1966	887.3	59.2	6.7	2,092.8	344.2	16.4
1965	807.8	47.1	5.8	2,078.0	344.9	16.6
1964	299.3	19.3	6.4	3,196.3	469.9	14.7
1963	310.5	17.7	5.7	4,190.2	599.2	14.3
1962	727.5	40.0	5.5	3,674.2	501.9	13.7
1961	724.0	25.3	3.5	2,117.6	281.6	13.3
1960	389.0	17.5	4.5	1,791.9	236.6	13.2
1959	843.7	NA	NA	2,666.7	NA	NA
1958	137.3	NA	NA	2,170.2	NA	NA
1957	817.6	NA	NA	2,593.9	NA	NA
1956	696.7	NA	NA	3,862.5	NA	NA
1955	341.9	NA	NA	3,464.8	NA	NA
1954	345.3	NA	NA	1,994.0	NA	NA
1953	432.7	NA	NA	1,993.7	NA	NA
1952	317.5	NA	NA	2,277.0	NA	NA

NA - Not Available

million and 997 thousand pounds. The low of 997 thousand pounds occurred in 1973 which was a substantial decline from previous years (Table 24). The majority of landings were shellfish (83.2 percent from 1971-73). St. Johns County from 1971 to 1973 provided an average of 1.2 percent of Florida landings and 4.1 of regional landings.

Total value of landings was maximum in 1971 at \$823.7 thousand. This was 1.8 percent of the State and 9.2 percent of the regional value of landings.

Blue crabs, shrimp, bluefish, and king whiting contribute 56.7, 22.6, 7.2, and 6.2 percent, respectively, to St. Johns County landings (Table 25). These four species constitute 92.7 percent of the county total (Table 25). Shrimp represent 69.0 percent of the value of the county landings while blue crabs represent 14.4 percent. These two species of shellfish contribute 83.4 percent of the total value.

Shrimp landings have declined in St. Johns County to an average of 487 thousand pounds in 1971-73 valued at \$528 thousand (Table 26). Landing trends have been downward since the high of 1.4 million pounds in 1961. Landings were over 1.0 million from 1956 to 1961 before the gradual decline in landings began. Blue crab landings were first recorded in 1959 and increased to a high of 2.4 million pounds in 1968. Landings were over one million pounds from 1964 to 1972 with the exception of 1965 and 1966. Landings in 1973 were quite low with the 1971-73 average being 1.3 million. Red snapper landings were over 100 thousand pounds from 1961 through 1968 but have been quite low since 1968. King whiting landings averaged 133 thousand from 1971 to 1973 with landings being slightly lower than in the late 1950s and early 1960s.

St. Lucie County

Total landings in St. Lucie County ranged between two and three million pounds from 1952 to 1969 with exceptions of 1952 and 1964 (Table 27). Beginning in 1970 landings reached higher levels with a low of three million in 1971 and a high of 4.0 million in 1970. This represents 1.9 percent of Florida landings and 6.5 percent of East Coast regional landings. With the exception of only a few years almost all landings have been finfish.

Total value of landings was maximum in 1970 at \$1.04 million. The next two highest years were 1972 and 1973. Total value of St. Lucie County landings represent 1.5 percent of Florida's total value and 8.4 percent of the total value of landings in the East Coast region (Table 27).

Finfish accounted for 99.3 percent of St. Lucie County landings during the 1971-73 period. Important species of fish landed are king mackerel, Spanish mackerel, bluefish, and spot individually contributing 37.8, 23.7, 10.4, and 8.5 percent of total county landings, respectively (Table 25). These four species account for 80.4 percent of all landings and 76.7 percent of the value of landings. Although pompano represents only 1.1 percent of county landings its high per pound value makes pompano contribute 8.5 percent of the total value of St. Lucie County landings.

Table 25. Commercial landings and value of important species of finfish and shellfish in St. Johns and St. Lucie Counties, three-year average, 1971-1973.

Species	St. Johns			St. Lucie		
	Pounds	Percent of county	Dollars (Thousands)	Pounds	Percent of county	Dollars (Thousands)
Bluefish	15.5	7.2	1.5	344.1	10.4	45.7
Flounder	28.3	1.3	6.4	2.1	.1	.5
Grouper	23.9	1.0	6.2	106.4	3.2	30.2
King mackerel	5.4	.3	2.0	1,248.4	37.8	425.6
King whiting	133.0	6.2	16.9	28.7	.9	5.9
Black mullet	4.6	.2	.5	120.6	3.7	11.4
Pompano	2.2	.1	2.7	37.5	1.1	69.8
Sea bass	14.7	.7	5.8	1.8	.1	1.3
Spotted sea trout	1.8	.1	.8	56.1	1.7	20.5
Sheepshead	2.3	.1	.2	20.4	.6	2.5
Mangrove snapper	1.6	.1	.6	18.8	.6	7.7
Red snapper	54.0	3.0	44.3	24.5	.7	19.4
Vermillion snapper	11.5	.5	7.8	.1	a	.1
White snapper	7.5	.3	2.0	.3	a	a
Spanish mackerel	2.9	.1	.2	783.4	23.7	105.7
Spot	20.2	1.0	2.2	281.9	8.5	49.7
Other finfish	32.7	1.5	.4	251.3	7.6	15.1
Total finfish	362.1	16.8	100.5	3,290.4	99.7	811.1
Blue crabs	1,265.5	56.7	110.3	2.9	.1	.9
Spiny lobster	0.0	0.0	0.0	4.8	.1	4.6
Oysters	41.3	2.0	25.7	0.0	0.0	0.0
Shrimp	487.3	22.6	528.0	1.5	a	.5

Table 25. Continued

Species	St. Johns				St. Lucie			
	Pounds	Percent of County	Dollars	Percent of County	Pounds	Percent of County	Dollars	Percent of County
	(Thousands)		(Thousands)		(Thousands)		(Thousands)	
Other shellfish	1.3	.1	.7	.1	0.0	0.0	0.0	0.0
Total								
Shellfish	<u>1,795.4</u>	<u>83.2</u>	<u>664.7</u>	<u>86.9</u>	<u>9.2</u>	<u>.3</u>	<u>6.1</u>	<u>.7</u>
Grand total	2,157.5	100.0	765.2	100.0	3,299.6	100.0	817.2	100.0

^aLess than .05 percent.

Source: Computed from [1].

Table 26. Species landings, values, and prices for St. Johns County, 1952-1973

Year	King whiting		Red snapper		Vermillion snapper				
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.			
1971-73 average	133.0	16.9	12.7	54.0	44.3	83.0	11.5	7.8	68.3
1973	119.0	12.3	10.4	50.1	47.6	95.0	10.8	8.1	74.9
1972	129.1	13.4	10.4	0.0	0.0	0.0	9.8	6.8	69.9
1971	150.9	24.8	16.4	57.8	41.0	70.9	13.9	8.3	60.2
1970	131.3	13.1	10.0	69.8	47.5	82.8	10.1	5.0	49.8
1969	114.0	9.9	8.7	58.4	36.5	62.6	9.5	1.4	15.0
1968	135.3	13.9	10.2	130.0	58.2	44.8	14.5	5.9	40.7
1967	140.1	12.9	9.2	212.4	89.9	42.3	8.7	3.4	38.7
1966	104.7	10.2	9.7	170.5	73.0	42.8	.1	0.0	45.0
1965	210.1	18.3	8.7	143.1	47.4	33.1	0.0	0.0	0.0
1964	159.5	14.0	8.8	196.5	70.2	35.7	.3	.1	22.5
1963	148.3	12.3	8.3	178.6	55.6	31.1	2.3	.5	22.4
1962	180.6	17.2	9.5	201.2	60.8	30.2	0.0	0.0	0.0
1961	284.0	24.4	8.6	251.0	65.0	25.9	0.0	0.0	0.0
1960	263.5	23.7	9.0	83.6	22.6	27.0	0.0	0.0	0.0
1959	166.4	NA	NA	39.4	NA	NA	0.0	0.0	0.0
1958	357.1	NA	NA	28.0	NA	NA	0.0	0.0	0.0
1957	361.6	NA	NA	49.5	NA	NA	0.0	0.0	0.0
1956	290.9	NA	NA	23.3	NA	NA	0.0	0.0	0.0
1955	30.3	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0
1954	21.9	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0
1953	28.4	NA	NA	.1	NA	NA	0.0	0.0	0.0
1952	157.4	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0

Table 26. Extended

Year	Blue crabs			Oysters			Shrimp		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	1,265.5	110.3	9.6	41.3	25.7	60.3	487.3	528.0	113.0
1973	252.8	28.7	11.4	45.8	37.6	82.2	345.8	500.0	144.6
1972	1,601.2	140.2	8.8	43.6	25.6	58.7	572.8	547.4	95.6
1971	1,942.5	161.8	8.3	34.5	13.8	40.0	543.3	536.7	98.8
1970	1,842.7	119.6	6.5	30.9	12.4	40.0	661.2	368.9	55.8
1969	1,161.2	99.6	8.6	46.3	26.4	57.0	740.5	495.5	66.9
1968	2,381.7	199.1	8.4	52.3	20.9	40.0	699.9	449.1	64.2
1967	1,757.8	106.4	6.0	40.1	16.1	40.0	619.6	329.0	53.1
1966	796.4	47.8	6.0	39.8	13.9	35.0	462.0	259.1	56.1
1965	695.8	42.0	6.0	16.7	5.0	30.0	885.3	411.2	46.4
1964	1,206.7	77.7	6.4	4.9	1.5	30.0	624.3	156.1	25.0
1963	2,073.4	118.2	5.7	7.2	2.2	30.0	682.7	264.9	38.8
1962	982.1	53.0	5.4	5.7	1.7	30.0	738.3	384.7	52.1
1961	427.4	16.2	3.8	7.3	2.1	29.5	1,386.2	576.3	41.6
1960	241.3	12.1	5.0	9.8	2.9	30.0	1,179.9	379.4	32.2
1959	315.9	0.0	0.0	9.4	NA	NA	1,119.1	NA	NA
1958	0.0	0.0	0.0	4.3	NA	NA	1,077.6	NA	NA
1957	0.0	0.0	0.0	2.8	NA	NA	1,005.3	NA	NA
1956	0.0	0.0	0.0	0.0	0.0	0.0	1,254.1	NA	NA
1955	0.0	0.0	0.0	0.0	0.0	0.0	181.7	NA	NA
1954	0.0	0.0	0.0	1.3	NA	NA	376.8	NA	NA
1953	0.0	0.0	0.0	3.8	NA	NA	572.8	NA	NA
1952	0.0	0.0	0.0	6.2	NA	NA	1,190.5	NA	NA

NA - Not Available
Source: Computed from [1].

St. Lucie county had some landings of bait shrimp during the late 1960s (Table 11).

King mackerel showed the largest increase in St. Lucie County with landings averaging 1.3 million pounds from 1971 to 1973. Maximum landings were 1.4 million in 1972 (Table 28). Landings of king mackerel prior to 1966 were over 500 thousand pounds in only four years. Spanish mackerel landings have also shown some increase with the 1971-73 average at 783 thousand pounds. Only landings in 1970 were greater than one million pounds at 1.2 million. Annual fluctuations have also been substantial going as low as 26 thousand pounds in 1964. The next lowest year was 277 thousand pounds in 1955. Pompano landings have also fluctuated substantially on an annual basis (Table 28). Bluefish landings were lowest in 1958 at 141 thousand pounds and highest at 726 thousand pounds in 1970. Spot landings averaged 282 thousand pounds from 1971 to 1973.

Volusia County

Volusia County landings have shown a slight decline from those reported during most of the 1960s (Table 29). Landings during the early 1950s were 1.0 to 1.5 million pounds but increased to between 1.6 and 2.4 million during the 1960s. Maximum landings occurred during 1958 at 3.2 million pounds. Landings fell below two million pounds from 1969 through 1972 but moved back to 2.3 million in 1973. The 1971-73 average represents 1.2 percent of the Florida total and 4.1 percent of the regional landings.

Total annual value of Volusia County landings was maximum in 1973 at \$790 thousand. During the 1971-73 period Volusia County accounted for 1.1 percent of Florida total value of landings and 6.2 of the regional total.

Finfish landings represent 84.4 percent of Volusia County landings (Table 30). Important species in the county are black mullet, spotted sea trout, and spot which contribute 39.0, 10.0, and 6.7 percent, respectively, to the county total. Shrimp is the most important shellfish with a 12.2 percent contribution to the county total. Although finfish contribute 84.4 percent of landings the percentage contribution to total value of landings in the county is 52.2 percent. Because shrimp are high valued per pound they contribute 45.4 percent of the County total value of landings (Table 30). Black mullet and spotted sea trout each contribute 12.1 and 12.7 percent, respectively to the County total value of landings. Live bait shrimp has also been important in Volusia County. The 1970-73 average was 3.2 million head worth \$45 thousand. Since 1964 landings have contributed from 2.4 to 7.1 percent of the Florida total (Table 11).

Shrimp landings were highest in Volusia County in the earlier 1960s when a maximum of 858 thousand pounds were landed in 1960 (Table 31). Since 1968 shrimp landings have not gone above 296 thousand pounds. The 1971-73 three-year average was 250 thousand pounds. Spot landings were highest in 1971 at 238 thousand pounds although landings have gone above 100 thousand pounds in only three years. Red snapper landings were more

Table 28. Species landings, values, and prices for St. Lucie County, 1952-1973

Year	Bluefish		Pompano		Spanish mackerel	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1971-73 average	344.1	45.7	37.5	69.8	783.4	105.7
1973	389.6	55.6	76.6	86.1	671.6	110.4
1972	413.9	47.5	28.8	113.4	999.5	125.4
1971	228.7	34.0	7.0	10.0	679.1	81.2
1970	725.9	84.2	34.8	46.4	1,243.4	173.2
1969	546.7	65.3	40.3	39.2	490.7	58.3
1968	551.4	67.7	102.3	73.8	541.0	51.7
1967	200.1	23.4	94.8	56.5	442.3	37.2
1966	441.1	52.5	48.4	35.3	362.1	42.4
1965	281.3	30.4	23.7	17.0	372.8	38.5
1964	346.3	32.0	20.9	14.1	26.0	2.2
1963	326.0	27.4	23.7	15.6	354.9	32.3
1962	477.2	41.5	29.1	21.8	306.3	27.7
1961	294.6	27.4	6.0	3.9	920.5	92.1
1960	485.0	48.0	12.7	8.9	179.8	18.3
1959	506.5	NA	13.4	NA	403.9	NA
1958	141.0	NA	24.8	NA	578.4	NA
1957	290.7	NA	67.2	NA	686.7	NA
1956	159.6	NA	40.4	NA	398.9	NA
1955	155.7	NA	23.5	0.0	277.3	NA
1954	269.2	NA	16.9	0.0	390.0	NA
1953	270.3	NA	17.7	0.0	545.0	NA
1952	216.0	NA	44.3	0.0	395.6	NA

Table 28. Extended

Year	Spot		King mackerel		Grouper				
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.			
1971-73 average	281.9	49.7	17.7	1,284.4	425.6	34.5	106.4	30.2	29.6
1973	205.9	37.4	18.2	1,153.0	483.8	42.0	80.0	27.4	34.3
1972	313.3	54.8	17.5	1,374.7	414.9	30.2	96.0	29.6	30.9
1971	326.6	57.0	17.4	1,217.4	378.1	31.2	143.4	33.7	23.5
1970	297.3	60.3	20.3	1,005.2	326.6	32.5	112.4	27.5	24.5
1969	204.1	41.4	20.3	594.3	181.9	30.6	34.7	6.9	20.0
1968	204.0	33.6	16.5	883.9	224.0	25.3	32.8	5.6	17.1
1967	53.9	8.4	15.6	799.1	163.6	20.5	59.2	9.0	15.3
1966	353.7	50.5	14.3	399.2	86.7	21.7	41.1	5.8	14.2
1965	321.2	45.0	14.0	554.7	94.5	17.0	32.2	3.9	12.2
1964	77.1	10.2	13.2	494.9	67.0	13.5	23.1	2.9	12.5
1963	146.1	18.3	12.5	437.6	49.9	11.4	25.6	2.7	10.7
1962	94.6	12.3	13.0	547.6	89.8	16.4	41.4	4.5	10.9
1961	177.4	23.1	13.0	218.0	33.0	15.1	51.4	5.9	11.5
1960	131.5	12.2	9.3	165.4	22.3	13.5	74.3	8.3	11.2
1959	202.6	NA	NA	140.3	NA	NA	69.8	NA	NA
1958	130.3	NA	NA	224.2	NA	NA	50.4	NA	NA
1957	72.2	NA	NA	554.3	NA	NA	91.1	NA	NA
1956	94.5	NA	NA	549.7	NA	NA	36.1	NA	NA
1955	65.8	NA	NA	353.0	NA	NA	67.6	NA	NA
1954	64.5	NA	NA	256.6	NA	NA	103.0	NA	NA
1953	77.1	NA	NA	139.0	NA	NA	54.2	NA	NA
1952	64.1	NA	NA	114.6	NA	NA	123.7	NA	NA

NA - Not Available

Table 29. Commercial landings and values of finfish and shellfish in Volusia County, 1952-73

Year	Pounds			Dollars						
	Finfish	Shellfish	Total	Percent of state	Percent of region	Finfish	Shellfish	Total	Percent of state	Percent of region
1971-73 average	1,732.2	321.0	2,053.2	1.2	4.1	315.2	288.6	603.8	1.1	6.2
1973	1,978.4	365.9	2,344.2	1.4	5.2	382.8	407.0	789.8	1.3	7.7
1972	1,616.8	325.0	1,941.8	1.1	3.6	321.0	263.3	584.3	1.0	5.9
1971	1,601.5	272.1	1,873.6	1.0	3.5	241.9	195.4	437.3	1.0	4.9
1970	1,468.1	344.7	1,812.8	.9	2.9	224.2	178.0	402.2	.9	4.9
1969	1,251.9	391.6	1,643.5	.9	3.3	179.4	189.9	369.3	.9	4.8
1968	1,575.8	579.5	2,155.2	1.1	4.0	203.6	226.0	429.6	1.1	5.9
1967	1,511.1	720.1	2,231.2	1.1	2.9	158.7	199.2	357.9	1.1	5.7
1966	1,359.8	1,003.5	2,363.4	1.2	3.7	150.7	338.2	488.9	1.4	8.8
1965	1,584.3	853.6	2,438.0	1.2	3.9	188.2	301.4	489.6	1.4	8.5
1964	1,474.6	2,230.7	3,705.3	2.0	7.9	171.2	299.4	470.6	1.5	11.6
1963	1,827.0	621.5	2,448.5	1.2	4.2	175.1	153.9	328.9	1.1	7.0
1962	1,813.9	390.0	2,203.9	1.1	3.4	187.6	195.6	383.2	1.2	7.0
1961	1,651.1	637.4	2,288.4	1.1	3.6	182.3	267.4	449.7	1.6	8.9
1960	1,276.2	867.9	2,144.1	1.1	4.1	163.2	290.7	453.9	1.7	10.2
1959	1,761.4	282.9	2,044.3	1.0	2.8					
1958	1,806.1	1,398.1	3,204.2	1.8	7.6					
1957		Not available								
1956	820.6	623.6	1,444.2	.8	1.4					
1955	861.8	597.8	1,459.6	.7	2.2					
1954	947.4	595.7	1,543.1	.9	2.2					
1953	554.1	780.9	1,335.0	.6	1.4					
1952	613.7	409.8	1,023.5	.4	.7					

Not available

Source: Computed from [1].

Table 30. Commercial landings and value of important species of finfish and shellfish in Volusia County, three-year average, 1971-73

Species	Volusia		
	Pounds	Percent of County	Dollars
	-Thousands-		-Thousands-
Flounders	37.5	1.8	16.1
Groupers	54.4	2.6	15.3
King mackerel	28.5	1.4	6.6
King whiting	92.5	4.5	12.1
Black mullet	802.6	39.0	72.8
Spotted sea trout	204.4	10.0	76.4
Red snapper	43.0	2.1	35.5
Vermillion snapper	6.6	.3	2.3
Spot	138.1	6.7	24.0
Other finfish	324.6	15.8	54.1
Total finfish	1,732.2	84.4	315.2
Blue crabs	48.7	2.4	5.7
Shrimp	249.8	12.2	274.0
Other shellfish	22.5	1.1	8.9
Total shellfish	321.0	15.3	288.6
Grand total	2,053.2	100.0	603.8
			Percent of County
			2.7
			5.0
			1.1
			2.0
			12.1
			12.7
			5.9
			.4
			4.0
			9.0
			52.2
			.9
			45.4
			1.5
			47.8
			100.0

Source: Computed from [1].

Table 31. Species landings, values, and prices for Volusia County, 1952-1973

Year	Flounder		Black mullet		Spotted sea trout	
	Pounds	Dollars	Pounds	Dollars	Pounds	Dollars
1971-73 average	37.6	16.1	802.6	72.8	204.4	76.4
1973	24.7	12.0	912.5	100.6	268.9	103.8
1972	44.9	19.4	736.3	64.9	204.6	79.3
1971	43.1	17.0	769.1	52.8	139.8	46.0
1970	24.4	9.2	843.0	66.4	216.9	67.4
1969	13.2	4.6	745.2	57.2	149.3	44.6
1968	18.6	4.7	836.0	52.6	219.2	62.6
1967	25.8	6.5	897.3	47.8	160.7	44.8
1966	54.9	11.1	644.7	32.3	157.1	42.0
1965	66.5	14.1	688.1	32.9	150.7	37.6
1964	40.8	6.7	754.4	35.8	191.2	51.7
1963	28.8	4.6	1,179.2	54.2	209.3	55.0
1962	23.6	4.0	1,118.7	57.1	183.6	44.3
1961	18.4	2.6	854.8	41.0	262.6	62.2
1960	18.2	3.0	505.5	25.3	224.7	52.6
1959	12.0	NA	986.3	NA	221.5	NA
1958	19.9	NA	1,113.5	NA	169.7	NA
1957	NA	NA	a	a	a	a
1956	10.4	NA	1,109.3	NA	136.5	NA
1955	6.5	NA	476.1	NA	99.3	NA
1954	4.0	NA	372.1	NA	140.2	NA
1953	5.2	NA	311.4	NA	80.4	NA
1952	.4	NA	301.0	NA	93.3	NA

Table 31. Extended

Year	Red snapper			Spot			Shrimp		
	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.	Pounds	Dollars	Cents/lb.
1971-73 average	43.0	35.5	83.7	138.1	24.1	16.8	249.8	274.0	107.2
1973	24.7	22.9	92.6	50.6	8.9	17.5	295.7	389.1	131.6
1972	56.9	48.0	84.4	125.8	27.7	18.1	255.4	250.6	98.1
1971	47.5	35.6	74.2	238.0	35.5	14.9	198.2	182.4	92.0
1970	43.2	29.2	67.5	39.8	6.4	16.1	248.7	161.5	65.0
1969	52.5	33.1	63.0	28.2	4.3	15.2	241.9	164.6	68.0
1968	76.0	35.0	46.1	69.5	10.2	14.7	288.5	194.6	67.5
1967	47.2	20.6	43.7	82.7	11.9	14.4	331.1	170.1	51.4
1966	42.3	19.0	45.0	65.9	9.6	14.6	544.9	297.1	54.5
1965	133.2	46.7	35.1	116.2	16.3	14.0	608.1	285.0	46.9
1964	100.3	35.9	35.7	84.2	11.1	13.2	402.3	100.6	25.0
1963	100.5	31.3	31.1	48.2	6.0	12.5	350.7	133.2	38.0
1962	158.1	45.5	28.8	35.3	4.1	11.7	362.1	187.6	51.8
1961	134.4	39.0	29.0	94.3	10.8	11.5	616.2	261.7	42.5
1960	155.4	47.4	30.5	54.4	5.4	10.0	857.7	287.8	33.6
1959	176.5	NA	NA	50.1	NA	NA	270.2	NA	NA
1958	226.8	NA	NA	31.6	NA	NA	595.2	NA	NA
1957	a	a	a	a	a	a	a	a	a
1956	56.1	NA	NA	51.6	NA	NA	259.3	NA	NA
1955	107.9	NA	NA	34.2	NA	NA	113.3	NA	NA
1954	80.6	NA	NA	25.6	NA	NA	96.6	NA	NA
1953	20.0	NA	NA	29.0	NA	NA	255.4	NA	NA
1952	70.0	NA	NA	18.5	NA	NA	45.6	NA	NA

^aNot available in this county for this year

NA - Not available

important during the early 1960s, but have since declined to a fairly low level. The 1971-73 average landings of mullet was 803 thousand with four years during the last 22 above one million pounds. Spotted sea trout averaged 204 thousand pounds from 1971 to 1973.

SUMMARY

Landings along the Florida East Coast have varied substantially since 1952. Maximum landings of 149.8 million pounds occurred in 1952 while the minimum of 41.9 million pounds was recorded in 1958. Menhaden landings are important in one East Coast county. This large volume fishery with wide annual fluctuations caused the majority of annual variation. A slight downward trend in landings has occurred since 1952. The East Coast region has supplied slightly less than 30 percent of Florida total landings from 1971 to 1973.

Total value of landings has increased steadily since 1959. The \$10.3 million recorded in 1973 represents the maximum although total landings were only 45.3 million pounds. The value of East Coast landings has represented between 16.5 and 19.4 percent of Florida total value of landings the past three years. Finfish landings have averaged 37.8 percent of the State total from 1971-73 while shellfish landings have averaged 18.3 percent of the State total. Ten species landed in the region account for over 50 percent of State landings of those species. These are bluefish, catfish, goatfish, king mackerel, king whiting, menhaden, gray sea trout, spot, scallops, and eels. Seven of these species represent over 80 percent of the State total landings of those species.

Although shellfish landings were less than one-third of finfish landings in the region, the average annual dockside value of shellfish landed the past three years was \$4.9 million compared to \$4.6 million for finfish. Shrimp was the most valuable species at \$3.6 million. Next was king mackerel at \$1.1 million and blue crabs at \$685 thousand.

Based on the average for 1971, Nassau County landed the largest percentage (41.2) of both shellfish and finfish of the counties included in the region. Brevard, Duval, Palm Beach and St. Lucie Counties landed 12.8, 7.6, 6.7, and 6.5 percent, respectively. The remaining counties ranged from a high of 5.9 percent in Indian River to a low of less than one percent in Broward.

Four counties have shown overall increases in landings when comparing the 1960-64 average with average landings in 1969-73 (Table 32). Two of these showed declines in shellfish with finfish increases more than offsetting the decrease. General trends for this time period are given in Table 32 for the total landings and major species in each county.

Table 32. General trends in landings from 1960-64 to 1964-73 for important species of finfish and shellfish in each East Coast County^a

Species	County					
	Brevard	Broward	Duval	Indian River	Martin	Nassau
Total	I (71)	D (52)	I (58)	D (67)	I (69)	D (52)
Finfish	I (54)	D (54)	I (68)	I (72)	I (68)	D (52)
Shellfish	I (71)	D (60)	D (52)	D (64)	I (70)	D (60)
Black mullet					I (69)	
Bluefish						
Catfish						
Eels						
Flounder						
Goatfish					I (67)	I (68)
Grouper		D (52)				
King mackerel	I (72)	D (52, 53)		I (73)		I (68)
King whiting			I (73)		D (62)	I (68)
Menhaden				I (67)		D (52)
Mutton snapper			I (72)			
Pompano				I (68)		
Red snapper	I (52)		I (68)		I (68)	I (68)
Shad						
Spanish mackerel						
Spot	I (72)			I (72)	I (68)	
Spotted sea trout				D (52)	I (71)	
Vermillion snapper			I (73)			
Yellowtail snapper						
Blue crab	I (67)	D (52)		D (61)		D (60)
Oysters						
Scallops	I (72)					
Shrimp	D (53)		I (52)			D (57)
Spiny lobster		I (60)				

Table 32. Extended

	County				
	Palm Beach	Putnam	St. Johns	St. Lucie	Volusia
Total	I (58)	D (63)	D (68)	I (70)	D (64)
Finfish	I (58)	D (63)	D (63)	I (70)	D (73)
Shellfish	I (72)	D (66)	I (68)	D (52)	D (64)
Black mullet					D (63)
Bluefish	D (52)			I (70)	
Catfish		D (63)			
Eels		I (64)			
Flounder					I (65)
Goatfish					
Grouper					
King mackerel	I (70)			I (72)	
King whiting			I (58)	I (71)	
Menhaden					
Mutton snapper	I (73)				
Pompano	I (52)				
Red snapper				I (68)	D (58)
Shad		D (62)			
Spanish mackerel	D (58)				
Spot				I (70)	I (71)
Spotted sea trout				I (66)	D (73)
Vermillion snapper					
Yellowtail snapper			I (68)		
Blue crabs		D (66)	I (68)		
Oysters			I (68)		
Scallops					
Shrimp					
Spiny lobster	I (72)		D (61)		D (60)

^aAn increase (I) was indicated if the 1969-73 average was greater than the 1960-64 average. A decrease (D) was indicated for the opposite. Figures in parenthesis represent the year maximum landings occurred.

SOURCE

1. Florida Department of Natural Resources. Summary of Florida Commercial Marine Landings. Tallahassee, Florida: Annual Issues, 1952-1973.

