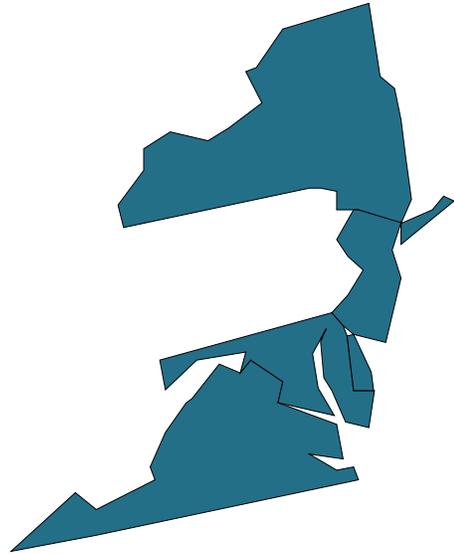


Mid-Atlantic

- Delaware
- Maryland
- New Jersey
- New York
- Virginia



Management Context

The Mid-Atlantic Region includes the states of New York, New Jersey, Delaware, Maryland, and Virginia. Federal fisheries in this region are managed by the Mid-Atlantic Fishery Management Council (MAFMC) and NOAA Fisheries (NMFS) under seven fishery management plans (FMPs). Two of these FMPs are developed with the New England Fishery Management Council (NEFMC). The MAFMC is the lead Council for the Dogfish FMP and the NEFMC is the lead for the Monkfish FMP.

Mid-Atlantic Fishery Management Plans

1. Atlantic Mackerel, Squids, and Butterfish
2. Bluefish
3. Spiny Dogfish (with the NEFMC)
4. Summer Flounder, Scup, and Black Sea Bass
5. Surfclam and Ocean Quahog
6. Tilefish
7. Monkfish (with the NEFMC)

Of the stocks or stock complexes covered in these fishery management plans, scup and Atlantic butterfish are currently considered overfished. Scup is currently subject to overfishing.

Currently, there is one limited access privilege program (LAPP), a type of catch share program, in the Mid-Atlantic Region: the surfclam and ocean quahog individual fishing quota (IFQ) program. This LAPP was implemented in 1990 and had an ex-vessel value of \$49.0 million in 2007. A second catch share program for the tilefish fishery is scheduled to be implemented in November 2009.

Commercial Fisheries

Mid-Atlantic fishermen earned over \$402 million for their catch in 2007, and harvested over 728 million pounds of finfish and shellfish. Sea scallop was a significant component of ex-vessel revenue, generating \$147 million in 2007 or 37% of total revenue. Despite accounting for just 3.1% of the total landings in the Mid-Atlantic, sea scallops averaged \$6.42 per pound in 2007, the highest annual price of any key species or species group. In terms of landings, menhaden accounted for 64% of total landings in the Mid-Atlantic, over 469 million pounds in 2007. This low value species had an average ex-vessel price of \$0.07 per pound in 2007, and contributed 7.7% to total revenue in the region.

In 2007, total revenue in New Jersey was the highest with fishermen generating \$153 million for their catch. Total landings in Virginia (484 million pounds) contributed 67% to total landings in the Mid-Atlantic. Menhaden made up over 87% of these landings. In terms of finfish revenue and catch, Virginia fishermen generated the most and received \$46 million for 452 million pounds harvested in 2007. Fishermen in New Jersey accounted for most of the shellfish revenue (\$127 million) and landings (89 million pounds). New

York, Maryland, and Delaware followed in both revenue generated and catch harvested.

Key Mid-Atlantic Commercial Species

- Striped bass
- Atlantic surf clam
- Quahog clam
- Blue crab
- Summer flounder
- American lobster
- Menhaden
- Eastern oyster
- Sea scallop
- Squid

Economic Impacts

In 2007, the Mid-Atlantic Region's seafood industry generated over a billion dollars in sales in New Jersey (\$1.9 billion), New York (\$1.8 billion) and Virginia (\$1.4 billion). Most of the seafood industry-related jobs in this region were also sustained in these states with 40,000 full- and part-time jobs in New York, 37,000 jobs in New Jersey, and 33,000 jobs in Virginia. Maryland (11,000 jobs) and Delaware (1,600 jobs) followed in terms of employment supported by the seafood industry. New Jersey also led the region in income impacts with over a billion dollars generated by the seafood industry in 2007.

Landings Revenue

Ex-vessel revenue for finfish and shellfish totaled \$402 million in 2007, a 13% increase (-5.7% in real terms) from landings revenue in 1998 (\$356 million), and an 11% increase over revenue generated in 2006 (\$362 million). New Jersey and Virginia fishermen generated most of the 2007 revenue with \$153 million and \$131 million, respectively. Shellfish revenue contributed 74% to total revenue in the Mid-Atlantic, totaling \$298 million in 2007. This was a 26% increase over 1998 totals (\$236 million) and a 12% increase over 2006 (\$267 million). Finfish revenue decreased from \$120 million in 1998 to \$104 million in 2007, a 14% decrease over this period. However, finfish revenue from 2006-2007 increased 8.5% from \$96 million to \$104 million.

Total revenue trends over the 10 year time period varied by state. Total revenue generated by fishermen in New Jersey (57%, 31% in real terms), Delaware (30%, 8.4% in real terms), and Virginia (16%, -3.6% in real terms) increased from 1998-2007. These increases were largely due to shellfish revenue. New Jersey shellfish revenue increased 78% (48% in real terms). Virginia (58%, 32% in real terms) and Delaware (44%, 20% in real terms) also experienced large increases.

Despite significant increases in sea scallop revenue from 1998-2007 generated in New York and Maryland (76,140% and 19,964%, respectively), total shellfish revenue decreased 35% (-46% in real terms) in New York and 12% (-27% in real terms) in Maryland. This mirrored declines in total revenue

from 1998-2007. New York experienced a 28% (-40% in real terms) decrease in total revenue, while Maryland's revenue decreased 9.8% (-25% in real terms).

In contrast to shellfish revenue, finfish revenue declined in current and/or real terms across the Mid-Atlantic: Virginia (-23%, -36% in real terms), Delaware (-12%, -26% in real terms), New York (-9.9%, -25% in real terms), New Jersey (-0.8%, -17% in real terms), and Maryland (0.5%, -16% in real terms).

Sea scallop contributed more to the Mid-Atlantic's total revenue in 2007 than any other key species or group: \$147 million or 37% of total revenue. This was a 382% increase (302% in real terms) from 1998 sea scallop revenue (\$30 million) and a 22% increase (15% in real terms) from 2006 (\$120 million). Striped bass (43%, 19% in real terms), American lobster (-73%, -77% in real terms), and squid (-62%, -68% in real terms) also experienced large changes in revenue between 1998 and 2007.

At the state level, key species or groups with large changes in landings revenue between 1998 and 2007 include: striped bass (75% increase), spot (65%), and weakfish (-89%) in Delaware; sea scallop (19,964%), menhaden (182%), Eastern oyster (-67%), and white perch (-53%) in Maryland; sea scallop (688%), Atlantic herring (106%), and quahog clam (-89%) in New Jersey; sea scallop (76,140%), Atlantic surf clam (138%), softshell clam (129%), scups or porgies (113%), Eastern oyster (94%), and lobster (-85%) in New York; and sea scallop (204%), catfishes and bullhead (175%), spot (107%), and blue crab (-46%) in Virginia.

Landings

Fishermen in the Mid-Atlantic landed over 728 million pounds of finfish and shellfish in 2007. This was a 21% decrease from the 916 million pounds landed in 1998, and a 9.1% increase from the 667 million pounds landed in 2006. Finfish accounted for 76% of total landings (553 million pounds) in 2007, despite a 20% decrease from 1998 (693 million pounds). From 2006-2007, finfish landings increased 13%. Shellfish landings decreased 22% from 223 million pounds in 1998 to 175 million pounds in 2007. These landings decreased 2.3% between 2006 and 2007.

Finfish landings between 1998 and 2007 decreased in all five states across the Mid-Atlantic. The largest decreases were in Delaware where landings decreased 68% and in New York which had a 48% decrease in landings. These decreases were followed by New Jersey (-23%), Virginia (-18%), and Maryland (-16%).

Shellfish landings across the Mid-Atlantic Region also declined over the 10 year time period. The largest decreases were in Maryland (-24%), followed by Virginia (-22%), New York (-21%), New Jersey (-21%), and Delaware (-11%).

Of the Mid-Atlantic's key species and groups, menhaden's contribution to total landings was the most significant with 469 million pounds landed in 2007. Menhaden accounted for 64% of total landings that year. This was a 14% decrease from 1998 (547 million pounds) but a 17% increase from 2006 (401 million pounds). Fishermen in Virginia harvested the majority of menhaden, 89% of the total landed in 2007 (420 million pounds).

Of the Mid-Atlantic's key species and species groups, only sea scallop (345%), Atlantic surf clam (11%), and striped bass (2.2%) increased in total landings from 1998-2007. Decreases in landings totals were experienced for all other key species or groups with the largest decrease in American lobster (-84%), squid (-83%), and Eastern oyster (-69%) landings. Landings totals in 2007 increased for menhaden (17%), Eastern oyster (13%), and quahog clam (9%) relative to 2006 totals.

Commercial Fish Facts

Landings revenue

- On average, the key species and species groups accounted for 82% of total revenue in the Mid-Atlantic Region.
- Sea scallops contributed the most to landings revenue in the region, averaging \$103 million over the 10 year time period. In 2007, fishermen in New Jersey generated most of this revenue, contributing 53% to the \$147 million generated from sea scallops that year.
- Squid had the largest annual increase in revenue from 1998-2007, increasing 120% from \$6.5 million to \$14 million (2003-2004). American lobster had the largest annual decrease in revenue, decreasing 47% from 1999-2000.

Landings

- Key species and species groups in the Mid-Atlantic Region contributed an average of 83% annually to total landings.
- Menhaden was a significant contributor to landings, averaging 438 million pounds or 58% of total landings from 1998-2007. New Jersey fishermen harvested the majority of this species.
- Landings of squid increased 298% from 2003-2004, only to decrease 70% from 2004-2005. These changes were the largest annual increase and decrease of any key species or group in the region.

Prices

- Quahog clam (\$5.82 per pound), Eastern oyster (\$5.28), sea scallop (\$5.20), and American lobster (\$4.29) had the highest average ex-vessel prices over the time period.
- Menhaden (\$0.07 per pound), Atlantic surf clam (\$0.55), and squid (\$0.61) had the lowest average ex-vessel prices from 1998-2007.
- Squid prices were variable over the 10 year time period, decreasing 45% from 2003-2004, the largest annual decrease, only to increase 121% from 2004-2005, the largest annual increase.

Prices

With the exception of quahog clam, 2007 ex-vessel prices for the Mid-Atlantic’s key species and species groups were higher than their 10 year average price per pound. Between 1998 and 2007, Eastern oyster, squid, and American lobster experienced the largest increases in price per pound, increasing 150% (109% in real terms), 121% (84% in real terms), and 70% (42% in real terms), respectively.

Key species or groups with declining price trends from 1998-2007 in current and/or real terms were: quahog clam (-20%, -33% in real terms), menhaden (-13%, -27% in real terms), and sea scallop (8.3%, -9.6% in real terms).

Relative to ex-vessel prices in 2006, prices for seven of the ten key species and species groups increased in 2007. Blue crab (30%), Eastern oyster (29%), and summer flounder (22%) had the largest increases. Price per pound for quahog clam (-13%), striped bass (-4%), and sea scallop (-2%) declined between 2006 and 2007.

At the state level, key species or groups with large changes in ex-vessel price from 1998-2007 include: weakfish (139%) and spot (81%) in Delaware; Eastern oyster (214%), Atlantic croaker (76%), and clams or bivalves (-15%) in Maryland; American lobster (63%), summer flounder (60%), and Atlantic herring (-18%) in New Jersey; Eastern oyster (270%), sea scallop (245%), softshell clam (141%), and scups or porgies (-43%) in New York; and catfishes and bullhead (165%), goosefish (153%), black sea bass (118%), spot (108%), and menhaden (-25%) in Virginia.

Recreational Fishing

There were 3.4 million resident recreational fishermen who took a fishing trip in the Mid-Atlantic Region in 2007. Over 94% of these anglers were residents of a regional coastal county. Of the 23 million fishing trips taken in 2007, over 55% of them were taken from a private or rental boat. Atlantic croaker and summer flounder were the most caught key species or species group with over 21 million of each harvested or released in 2007. Together, these key species accounted for 45% of fish caught by anglers in the Mid-Atlantic.

Key Mid-Atlantic Recreational Species	
• Striped bass	• Summer flounder
• Bluefish	• Winter flounder
• Drum (Atlantic croaker)	• Porgies (scup)
• Drum (spot)	• Black sea bass
• Drum (weakfish)	• Wrasses (tautog)

Economic Impacts and Expenditures

Recreational fishing activities in New Jersey supported more jobs than any other state in the Mid-Atlantic with

approximately 11,000 full- and part-time jobs supported in 2007. Maryland (9,200 jobs), Virginia (7,300 jobs), New York (6,500 jobs), and Delaware (1,800 jobs) followed in terms of employment impacts from recreational fishing activities. The majority of these jobs were related to durable equipment expenditures (versus trip-related expenditures): 74% of jobs in Maryland; 71% of jobs in New York; 67% of jobs in Virginia; 66% of jobs in New Jersey; and 51% of jobs in Delaware.

In terms of employment impacts related to fishing trips taken by anglers, industries that provided services for shore-based fishing trips supported most of the trip-related full- and part-time jobs in Maryland (1,100 jobs) and Delaware (420 jobs). In New York, trip-related employment impacts were related to the for-hire boat industry (750 jobs). Private or rental boat trips supported most of the trip-related jobs in Virginia (1,800 jobs) and New Jersey (1,700 jobs).

The contribution of recreational fishing activities in the Mid-Atlantic are also reported in terms of state level sales and value-added impacts, and direct expenditures on fishing trips and durable equipment. In 2007, in-state sales and value-added impacts were highest in New Jersey (\$1.8 billion in sales impacts; \$931 million in value-added impacts) and Maryland (\$1.3 billion; \$650 million). New York (\$979 million; \$511 million), Virginia (\$823 million; \$433 million), and Delaware (\$273 million; \$125 million) followed in terms of sales and value-added impacts. Across the region, these economic impacts were largely generated from durable equipment expenditures made by anglers (versus trip-related impacts).

Total fishing trip and durable equipment expenditures generated \$4.9 billion across the Mid-Atlantic in 2007. Approximately 79% of these expenditures were related to durable equipment purchases. Vehicle (\$1.4 billion), fishing tackle (\$990 million), and boat-related expenses (\$908 million) accounted for the majority of durable equipment expenditures. Expenditures by Mid-Atlantic residents related to fishing trips totaled \$642 million. Most of these purchases were related to fishing trips taken from a private or rental boat (59% of trip-related expenditures by residents). The region’s non-resident anglers generated \$380 million in trip-related expenditures with most of these expenses related to private or rental boat trips (47% of trip-related expenditures by non-residents).

Participation

In 2007, there were 3.4 million resident recreational fishermen from either a coastal or non-coastal county in the Mid-Atlantic Region.¹ This was a 96%

¹At the state level, out-of-state anglers are estimated. However at the region level, out-of-region anglers are not estimated thus only Mid-Atlantic Region resident anglers are discussed here. In *Fisheries Economics of the U.S., 2006*

increase from 1998 (1.8 million anglers) and an 11% increase from 2006 (3.1 million anglers). In 2007, 94% of total anglers who fished in the Mid-Atlantic were residents of a coastal county. The number of coastal county anglers in 2007 increased 95% relative to 1998 (1.7 million anglers) and increased 12% relative to 2006 (2.9 million anglers). Non-coastal county angler participation increased 108% relative to 1998 (102,000 anglers) and decreased 5.4% relative to 2006 (224,000 anglers). Approximately 42% of total anglers who fished in the Mid-Atlantic took a fishing trip in the state of Maryland.

The majority of recreational fishermen in Maryland, New Jersey, New York, and Virginia were residents of a coastal county within their respective state. These anglers accounted for 83% of total anglers in New York, 62% of anglers in New Jersey, 58% of anglers in Maryland, and 55% of anglers in Virginia. In contrast, the majority of anglers who fished in Delaware were out-of-state residents (60% of total anglers). Anglers from the Mid-Atlantic's non-coastal counties² comprised a minority of total anglers in 2007: 1.3% of anglers in New Jersey, 3.7% of anglers in New York, 5.4% of total anglers in Maryland, and 9.1% of anglers in Virginia.

Fishing Trips

Resident and non-resident anglers took 22.7 million fishing trips in 2007. This was a 57% increase from 1998 (14.5 million trips) and a 6.4% increase from 2006 (21.4 million trips). In 2007, most fishing trips were taken from a private or rental boat: 12.6 million trips or 55% of total fishing trips taken in the Mid-Atlantic. Shore-based fishing trips were also popular with 8.8 million trips taken in 2007, followed by 1.4 million fishing trips taken from a for-hire boat.

Most of the fishing trips in the region were taken in New Jersey (33% of total trips in the region) and New York (27% of total trips). In these states, a private or rental boat trip was the most popular fishing mode: 49% of trips taken in New Jersey and 52% of trips taken in New York. This mode also accounted for the majority of trips taken in Virginia (67% of trips), Maryland (60% of total trips), and Delaware (56% of trips). Shore-based trips were the second most popular fishing mode in these states: 44% of trips in New Jersey, 40% of trips in Delaware, 40% of trips in New York, 34% of trips in Maryland, and 31% of trips in Virginia.

Harvest and Release

Of the Mid-Atlantic Region's key species and species groups, Atlantic croaker and summer flounder were the most often caught by anglers. In 2007, 22 million Atlantic croaker and 21 million summer flounder were caught by anglers fishing in the region. Together, these

species accounted for 45% of the key species or species groups caught by recreational anglers and both species were more often released than harvested. In terms of where these fish were caught, the majority of Atlantic croaker were caught in Virginia (79% of fish caught in the region) and most of the summer flounder were caught in New Jersey (40% of fish caught).

Recreational Fishing Facts

Participation

- In the Mid-Atlantic, an average of 2.5 million resident anglers fished annually from 1998-2007. Most of these anglers fished in Maryland and New Jersey.
- The region's coastal county residents made up 94% of total anglers in 2007. These anglers averaged 93% of total anglers annually over the time period.
- Non-coastal county resident anglers increased 61% from 2004-2005, the largest annual increase in participation in the Mid-Atlantic. Coastal county residents decreased 28% from 2001-2002, the largest annual decrease.

Fishing trips

- An average of 19 million fishing trips were taken annually in the Mid-Atlantic between 1998 and 2007. Most of these trips were taken in New Jersey and New York.
- Private or rental boat trips accounted for 12.6 million fishing trips in 2007. This mode of fishing trip made up 55% of trips taken that year.
- The largest annual increase in fishing trip mode was a 43% increase in private or rental boat trips from 1999-2000. The largest annual decrease was a 23% decrease in shore-based fishing trips from 2001-2002.

Harvest and release

- The most caught key species or species group in the Mid-Atlantic were summer flounder and Atlantic croaker. Anglers caught an average of 20 million of each fish annually from 1998-2007. Most of these fish were released rather than harvested.
- Most of the Mid-Atlantic's key species or groups were released by anglers rather than harvested. Striped bass (83% released), summer flounder (81%), and black sea bass (79%) are examples.
- Key species or groups more often harvested by anglers were spot (67% harvested), winter flounder (62%), and scup (51%).
- Scup had the largest annual increase in catch, increasing 233% from 1999-2000. Wrasses or tautog had the largest annual decrease in catch, decreasing 63% from 2002-2003.

In 2007, only two of the Mid-Atlantic's key species or groups were most often harvested rather than released by anglers: spot (73% harvested) and winter flounder (79% harvested). Summer flounder (87% released), black sea bass (83% released), and striped bass (83% released) were examples of key species or groups with a large percentage of fish released rather than harvested.

Most of the Mid-Atlantic's key species and groups experienced large changes in catch totals between 1998 and 2007. Scup (284% increase), spot (189%), wrasses or tautog (169%), bluefish

(FEUS 2006), angler participation totals from 1997-2006 incorrectly included out-of-state anglers at the region level. In this report, the 1998-2007 angler participation totals excludes these anglers therefore the annual region totals reported here are smaller than those reported in FEUS 2006.

²All resident anglers in Delaware are considered coastal county anglers.

(161%), and black sea bass (90%) all experienced large increases in recreational catch. Only weakfish and winter flounder showed decreases in total recreational catch with a 74% and 51% decrease, respectively.

Between 2006 and 2007, large changes in catch totals were observed for spot (64% increase), winter flounder (50% decrease), and weakfish (-43%). All other key species and species groups experienced changes in catch totals ranging from a 25% decline in striped bass caught and a 29% increase in bluefish caught.

At the state level, summer flounder was the most caught key species or species group in 2007 with 8.5 million fish caught in New Jersey, 6.0 million fish caught in New York, and 1.2 million fish caught in Delaware. Atlantic croaker was the key species most often caught by recreational fishermen in Virginia with 17.3 million fish caught in 2007. In Maryland, there were 8.1 million white perch caught by anglers, the key species most often caught in this state.

Marine Economy³

The Mid-Atlantic's gross domestic product by state was \$2.2 trillion in 2006. Employee compensation totaled \$1.3 trillion and annual payroll totaled \$814 billion. These economic measures increased 52%, 25%, and 47%, respectively, between 1998 and 2006, and 6.0%, 6.8%, and 6.5% between 2005 and 2006. Over 1.1 million establishments employed approximately 17 million full- and part-time employees across the region in 2006. This was a 8.5% increase in establishment numbers and a 11% increase in employee numbers from 1998-2006. A small increase in these numbers occurred from 2005-2006 (0.8% and 2.0%, respectively).

In 2006, New York had the highest establishment and employee numbers, annual payroll, employee compensation, and gross state product levels in the Mid-Atlantic. New York's approximately 516,000 establishments employed 7.5 million employees in 2006. Gross state product in New York was \$1.0 trillion, followed by New Jersey (\$448 billion), Virginia (\$369 billion), Maryland (\$258 billion), and Delaware (\$60 billion).

Among the Mid-Atlantic states where data was available,⁴ New Jersey had the highest commercial fishing location quotient (CFLQ) at 0.89 in 2006. This was a 24% decrease from 2001 and a 9.2% decrease from 2005. New Jersey's CFLQ suggests that the level of employment in commercial fishing-related industries is lower than the level of employment in these industries nationwide.⁵ Across the Mid-Atlantic, the CFLQ was lower than the national baseline of 1.0: 0.71 in Maryland (4.1% decrease relative to 2001), 0.48 in

Virginia (26% increase relative to 2001), and 0.12 in New York (46% decrease relative to 2001).

Seafood Sales and Processing

In 2006, there were 220 nonemployer firms engaged in seafood product preparation and packaging with annual receipt totals of \$14 million. Respectively, this was a 206% and 246% increase (205% in real terms) relative to 1998 levels. Most of these firms were located in Virginia and this state experienced the largest increases from 1998-2006 in this industry: 517% increase in firm numbers and 1,637% increase in annual receipt totals.

Employer establishments engaged in seafood product preparation and packaging totaled 84 in 2006. These establishments employed approximately 2,900 full- and part-time workers and generated \$96 million in annual payroll. Regionwide, there was a 21% decrease in establishments engaged in this industry, a 21% decrease in employees, and a 16% increase in annual payroll totals.

At the state level, most of these establishments were located in Virginia (33 establishments in 2006). However, Maryland employed more people (1,100 versus 870 workers in VA) and had a slightly higher annual payroll (\$28.9 million versus \$28.5 million in VA). Modest changes in this industry occurred in these states from 1998-2006: a 32% decrease in establishments in Maryland, a 43% decrease in employees in Virginia, and a 33% increase in annual payroll in Maryland.

The Mid-Atlantic's seafood wholesale annual payroll totals increased 21% from 1998-2006 to \$174 million in 2006. Despite this, establishment and employee numbers decreased (-23% and -17%, respectively) to 485 establishments and 4,300 full- and part-time employees. These trends were mirrored at the state level with the largest declines in Delaware (57% decrease in establishments), Maryland (37% decrease in establishments, 31% decrease in employees), and Virginia (44% decrease in employees). The largest increase was observed in Maryland (40% increase in annual payroll).

In 2006, there were 446 seafood retail nonemployer firms with total annual receipts of \$50 million across the region. This was a 14% decrease in firm numbers regionwide from 1998-2006, despite a 50% increase in firms located in Delaware. In terms of annual receipts, these totals increased 17% relative to 1998 totals, with the largest state level increases in Virginia (112%) and Maryland (43%). Approximately 46% of these firms were located in New York.

Employer establishments engaged in seafood retail increased 28% across the Mid-Atlantic to 704 establishments in 2006. Most of these establishments were located in New York (55%). Regionwide, this industry employed over 3,000 full-

³Data for 2007 was unavailable for this report therefore 2006 information is reported in this section.

⁴The CFLQ for Delaware was not available for this report.

⁵The CFLQ for the U.S. is 1.0. This provides a national baseline from which state CFLQs can be compared.

and part-time workers with an annual payroll of \$61 million in 2006. From 1998-2006, employee numbers increased 70% and annual payroll totals increased 106% (82% in real terms). Large and modest increases were also experienced at the state level. The largest changes were in Delaware (55% increase in establishments), and Maryland (65% increase in employees, 109% increase in annual payroll).

Transport, Support, and Marine Operations

Marina industries had the highest number of establishments in this industry sector with 936 establishments regionwide in 2006. This was a 2% decrease relative to 1998 levels. Most of these industries were located in New York. Ship and boat building industries employed the most people in 2006 (25,000 full- and part-time workers) and had the highest annual payroll (\$1.1 billion). Employment numbers decreased 4% from 1998-2006, with a 34% decrease in employment in Maryland. Annual payroll totals increased 12% over this time period (-1% in real terms) with a 43% increase in New Jersey and a 35% decrease in Maryland.

Other industries with large and modest changes from 1998-2006 were: coastal and Great Lakes freight transportation (200% increase in establishments in Delaware); deep sea passenger transportation (100% increase in New York, 80% increase regionwide); marina industries (46% increase in employees and 104% increase in annual payroll regionwide); marine cargo handling (37% decrease in New York); port and harbor operations (175% increase in establishments in Maryland); and ship and boat building (75% decrease in establishments in Delaware).

2007 Economic Impacts of the Mid-Atlantic Region Seafood Industry (*thousands of dollars*)

	Total Landings Revenue	Total Sales Impacts	Total Income Impacts	Total Job Impacts
Delaware	7,578	73,890	39,266	1,582
Maryland	52,273	594,294	298,185	11,041
New Jersey	152,560	1,927,389	1,038,127	36,618
New York	58,940	1,830,881	972,022	39,585
Virginia	130,562	1,448,353	807,255	33,439

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (*thousands of dollars*)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Revenue	356,016	350,661	347,357	348,231	342,397	357,210	407,793	440,398	362,198	402,040
Finfish & Other	119,851	106,459	98,479	90,643	84,091	87,702	88,003	101,874	95,516	103,636
Shellfish	236,165	244,202	248,878	257,589	258,306	269,508	319,790	338,524	266,683	298,404
Bass, Striped	7,775	8,469	9,238	8,616	8,215	9,751	7,671	11,332	10,045	11,086
Clam, Atlantic Surf	25,558	27,574	34,973	34,211	34,692	35,366	26,760	27,084	29,580	32,479
Clam, Quahog	31,370	29,278	27,655	22,744	16,935	20,160	19,918	20,773	20,229	19,131
Crab, Blue	71,650	75,568	66,278	70,871	61,660	60,799	69,364	71,073	55,638	56,923
Flounder, Summer	8,041	7,952	7,769	7,078	8,700	10,678	13,094	13,810	12,365	10,316
Lobster, American	30,286	28,629	15,250	9,828	6,273	5,569	5,615	6,696	9,116	8,340
Menhaden	44,160	33,125	30,041	27,783	24,123	24,352	25,570	28,188	24,466	30,922
Oyster, Eastern	12,335	10,042	9,949	8,587	9,814	8,903	5,663	6,703	6,485	9,475
Scallop, Sea	30,492	42,104	66,135	75,275	91,237	111,969	160,847	181,299	120,140	146,832
Squid	19,577	14,918	13,189	9,904	9,287	6,497	14,302	9,169	7,727	7,445

Total Landings and Landings of Key Species / Species Groups (*thousands of pounds*)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Landings	916,095	753,212	715,376	835,425	702,234	710,738	757,468	709,023	667,314	728,338
Finfish & Other	692,883	545,711	511,997	631,288	496,430	514,804	529,762	518,166	488,018	553,228
Shellfish	223,211	207,501	203,379	204,137	205,804	195,934	227,707	190,857	179,297	175,110
Bass, Striped	5,386	4,956	5,602	4,930	4,591	5,273	3,945	5,708	4,788	5,507
Clam, Atlantic Surf	48,610	54,178	63,614	60,421	62,134	64,601	50,984	50,921	50,556	53,952
Clam, Quahog	5,314	5,263	4,560	3,857	2,318	3,311	3,537	3,735	3,728	4,056
Crab, Blue	76,844	78,715	62,360	61,045	63,076	56,047	68,979	70,983	61,873	48,859
Flounder, Summer	5,311	4,922	4,879	5,164	6,433	7,315	8,337	8,564	6,609	4,501
Lobster, American	8,620	7,390	3,775	2,633	1,705	1,181	1,386	1,585	1,772	1,397
Menhaden	546,567	415,006	403,599	518,487	394,606	398,744	421,309	412,672	400,784	469,277
Oyster, Eastern	3,623	3,266	2,883	2,217	1,713	1,493	859	1,202	984	1,114
Scallop, Sea	5,141	8,341	14,258	21,160	24,887	28,213	33,411	24,520	18,282	22,885
Squid	50,294	24,333	28,238	15,465	15,187	10,462	41,622	12,279	9,744	8,607

Average Annual Price for Key Species / Species Groups (*price per pound*)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	1.44	1.71	1.65	1.75	1.79	1.85	1.94	1.99	2.10	2.01
Clam, Atlantic Surf	0.53	0.51	0.55	0.57	0.56	0.55	0.52	0.53	0.59	0.60
Clam, Quahog	5.90	5.56	6.06	5.90	7.31	6.09	5.63	5.56	5.43	4.72
Crab, Blue	0.93	0.96	1.06	1.16	0.98	1.08	1.01	1.00	0.90	1.17
Flounder, Summer	1.51	1.62	1.59	1.37	1.35	1.46	1.57	1.61	1.87	2.29
Lobster, American	3.51	3.87	4.04	3.73	3.68	4.71	4.05	4.22	5.15	5.97
Menhaden	0.08	0.08	0.07	0.05	0.06	0.06	0.06	0.07	0.06	0.07
Oyster, Eastern	3.40	3.08	3.45	3.87	5.73	5.96	6.59	5.58	6.59	8.50
Scallop, Sea	5.93	5.05	4.64	3.56	3.67	3.97	4.81	7.39	6.57	6.42
Squid	0.39	0.61	0.47	0.64	0.61	0.62	0.34	0.75	0.79	0.86

2007 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

	Trips	Jobs	Total Sales	Value Added
Delaware	1,295,658	1,784	273,433	125,328
Maryland	4,045,324	9,228	1,299,104	650,364
New Jersey	7,435,594	10,893	1,806,606	930,794
New York	6,218,085	6,493	979,186	511,312
Virginia	3,723,442	7,267	822,986	432,573

2007 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
Private Boat	179,281	380,835	Fishing Tackle	990,169
Shore	137,808	178,093	Other Equipment	274,792
For-Hire	62,995	82,581	Boat Expenses	907,688
Total Trip Expenditures	380,084	641,509	Vehicle Expenses	1,359,885
			Second Home Expenses	303,043
			Total Durable Equipment Expenditures	3,835,577
Total State Trip and Durable Equipment Expenditures				4,857,170

Recreational Anglers by Residential Area (thousands of anglers)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal	1,655	1,591	1,944	2,290	1,643	2,229	2,363	3,002	2,876	3,234
Non-Coastal	102	148	148	190	139	144	157	252	224	212
Out-of-State	NA ¹									
Total Anglers	1,757	1,739	2,091	2,480	1,783	2,372	2,520	3,254	3,100	3,446

Recreational Fishing Effort by Mode (thousands of trips)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
For-Hire	975	910	1,134	1,323	1,024	1,182	1,323	1,152	1,339	1,399
Private or Rental	8,630	7,935	11,324	11,982	9,551	11,286	11,084	11,730	12,123	12,551
Shore	4,848	5,259	6,993	7,901	6,071	7,383	6,327	7,935	7,895	8,768
Total Trips	14,453	14,105	19,451	21,206	16,646	19,852	18,734	20,817	21,357	22,718

Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)

Species/Groups		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	H	960	1,008	1,554	1,475	1,252	1,662	1,574	1,503	1,994	1,512
	R	4,996	5,815	6,677	5,464	5,053	7,802	8,474	8,009	9,511	7,114
Bluefish	H	2,243	1,904	2,580	3,227	2,518	3,193	4,274	5,176	4,037	4,556
	R	2,462	4,135	6,311	6,519	4,579	4,196	5,793	7,121	5,513	7,736
Drum (Atlantic Croaker)	H	8,391	8,111	9,702	12,145	10,868	9,349	9,830	10,790	9,464	9,602
	R	9,074	10,031	14,162	9,811	10,361	9,425	7,928	11,136	8,059	12,331
Drum (Spot)	H	3,447	1,244	2,763	2,196	2,314	4,772	3,725	5,245	6,347	10,694
	R	1,623	975	1,788	1,562	1,016	1,657	1,591	4,163	2,587	3,933
Drum (Weakfish) ²	H	2,151	1,396	1,876	1,315	918	308	331	1,125	497	276
	R	3,128	2,531	4,284	2,732	1,689	1,363	1,387	1,906	1,877	1,079
Flounder, Summer	H	5,548	3,048	5,869	4,393	2,633	3,922	3,598	3,303	3,393	2,792
	R	14,345	16,109	15,773	21,881	11,852	14,902	15,235	21,311	15,419	18,489
Flounder, Winter	H	247	511	1,317	795	362	541	331	196	248	209
	R	298	346	678	475	266	183	85	264	288	57
Porgies (Scup)	H	460	1,129	3,309	2,058	1,187	5,271	1,713	821	1,528	1,715
	R	585	312	1,491	1,983	1,551	2,379	2,857	1,839	3,145	2,296
Sea Bass, Black	H	1,090	1,275	3,330	2,636	3,057	3,033	1,590	1,060	1,317	1,515
	R	3,684	5,401	12,381	10,519	10,328	8,381	5,668	5,405	5,966	7,534
Wrasses (Tautog)	H	201	520	710	617	1,231	384	832	376	721	808
	R	1,018	1,908	1,493	1,694	2,534	1,010	1,648	1,221	2,239	2,472

¹Out-of-state resident information is collected for individual states but whether an angler is a resident of a region is not specified; NA = data is not available.

²This species may not be equivalent to species with similar names listed in the commercial tables.

2007 Economic Impacts of the Delaware Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	73,890	39,266	1,582
Commercial Harvesters	15,402	5,349	294
Seafood Processors & Dealers	6,915	3,696	82
Seafood Wholesalers & Distributors	10,111	5,153	96
Retail Sector	41,461	25,068	1,110

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Revenue	5,837	6,800	6,833	7,660	6,067	5,204	5,234	6,113	5,692	7,578
Finfish & Other	1,464	1,617	1,379	1,080	986	1,465	1,121	1,273	1,330	1,294
Shellfish	4,374	5,183	5,454	6,580	5,081	3,739	4,113	4,840	4,361	6,284
Bass, Striped	245	271	245	365	336	479	497	494	507	429
Clam, Quahog	218	215	243	233	392	435	175	220	193	ND ¹
Crab, Blue	4,018	4,599	5,086	5,140	3,511	1,899	2,839	3,429	2,961	5,007
Eel, American	296	182	192	126	118	230	167	100	275	313
Oyster, Eastern	ND ¹	ND ¹	ND ¹	172	478	305	361	485	459	466
Scallop, Sea	ND ¹	7	102	121	ND ¹					
Sea Bass, Black	ND ¹	ND ¹	142	42	21	181	48	157	190	201
Spot	60	24	17	51	8	46	38	98	58	99
Weakfish	337	352	318	133	176	83	61	82	56	36
Whelks	121	330	113	1,015	694	1,079	690	562	601	ND ¹

Total Landings and Landings of Key Species / Species Groups (thousands of pounds)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Landings	7,866	8,372	6,741	7,140	5,857	5,018	4,208	4,851	4,380	5,089
Finfish & Other	3,344	3,129	2,497	2,078	1,933	2,264	1,279	1,470	1,156	1,068
Shellfish	4,523	5,243	4,244	5,062	3,925	2,754	2,929	3,381	3,224	4,020
Bass, Striped	163	176	145	199	146	191	176	174	184	188
Clam, Quahog	74	70	76	64	134	141	54	69	60	ND ¹
Crab, Blue	4,360	4,993	4,092	4,085	3,062	1,792	2,276	2,924	2,856	3,580
Eel, American	131	129	119	121	90	156	137	110	120	136
Oyster, Eastern	ND ¹	ND ¹	ND ¹	78	133	76	79	84	75	76
Scallop, Sea	ND ¹	1	13	20	ND ¹					
Sea Bass, Black	ND ¹	ND ¹	94	25	12	98	20	73	87	73
Spot	140	52	32	78	14	77	59	155	63	128
Weakfish	553	440	329	188	173	91	51	71	34	25
Whelks	75	162	65	828	590	729	491	276	203	ND ¹

Average Annual Price for Key Species / Species Groups (price per pound)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	1.50	1.53	1.69	1.84	2.30	2.50	2.82	2.84	2.75	2.28
Clam, Quahog	2.97	3.07	3.21	3.67	2.92	3.09	3.26	3.18	3.22	ND ¹
Crab, Blue	0.92	0.92	1.24	1.26	1.15	1.06	1.25	1.17	1.04	1.40
Eel, American	2.25	1.41	1.61	1.04	1.31	1.48	1.22	0.91	2.28	2.30
Oyster, Eastern	ND ¹	ND ¹	ND ¹	2.21	3.60	4.00	4.57	5.76	6.10	6.14
Scallop, Sea	ND ¹	5.05	8.08	6.19	ND ¹					
Sea Bass, Black	ND ¹	ND ¹	1.52	1.66	1.69	1.86	2.35	2.15	2.18	2.76
Spot	0.43	0.47	0.52	0.66	0.59	0.60	0.65	0.63	0.92	0.78
Weakfish	0.61	0.80	0.97	0.71	1.02	0.91	1.18	1.16	1.63	1.46
Whelks	1.61	2.04	1.73	1.23	1.18	1.48	1.41	2.04	2.96	ND ¹

¹ND = data is confidential thus not disclosable.

2007 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat	374	44,115	21,992
Shore Mode	416	39,967	21,226
For-Hire	82	7,776	4,446
Total Durable Equipment Impacts	912	181,574	77,663
Total State Trip and Durable Equipment Economic Impacts	1,784	273,433	125,328

2007 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
Private Boat	24,515	14,573	Fishing Tackle	43,650
Shore	27,400	7,962	Other Equipment	13,644
For-Hire	3,938	1,693	Boat Expenses	14,108
Total Trip Expenditures	55,853	24,228	Vehicle Expenses	136,522
			Second Home Expenses	12,317
			Total Durable Equipment Expenditures	220,241
Total State Trip and Durable Equipment Expenditures				300,322

Recreational Anglers by Residential Area (thousands of anglers)¹

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal	103	69	82	107	89	127	116	120	137	150
Non-Coastal	NA ²									
Out-of-State	188	168	201	226	177	199	243	191	205	224
Total Anglers	291	237	283	333	266	326	359	311	342	374

Recreational Fishing Effort by Mode (thousands of trips)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
For-Hire	31	43	42	71	63	38	65	48	42	53
Private or Rental	419	383	606	672	535	552	679	568	671	731
Shore	469	375	448	436	429	514	434	459	465	512
Total Trips	920	800	1,096	1,180	1,028	1,104	1,177	1,074	1,179	1,296

Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)³

Species/Groups	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Bass, Striped	H	19	9	40	41	29	30	25	20	19	10
	R	185	106	152	163	115	169	151	225	246	251
Bluefish	H	150	84	132	102	117	89	136	152	96	172
	R	275	323	303	221	435	120	322	217	322	479
Drum (Atlantic Croaker)	H	391	663	518	312	262	341	494	934	863	401
	R	840	1,017	695	285	361	655	483	761	1,034	618
Drum (Weakfish) ⁴	H	456	224	312	72	122	20	7	19	11	4
	R	614	372	465	227	101	39	79	111	121	19
Flounder, Summer	H	219	181	336	146	107	106	124	91	110	118
	R	736	433	797	1,051	498	415	850	841	534	1,096
Mackerel, Atlantic	H	5	(1)	1	23	6	(1)	7	(1)	(1)	(1)
	R	(1)	(1)	(1)	1	1	(1)	(1)	(1)	(1)	(1)
Perch, White	H	63	107	48	44	40	30	63	43	65	27
	R	175	312	140	117	72	134	187	116	147	143
Sea Bass, Black	H	52	41	151	203	607	307	106	62	128	76
	R	284	213	820	1,003	1,233	832	448	250	460	544
Tuna, Yellowfin	H	1	(1)	6	16	10	2	1	3	2	(1)
	R	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)
Wrasses (Tautog)	H	63	95	114	51	186	63	143	72	117	89
	R	169	202	324	209	412	167	263	251	216	267

¹In this table, "(1)" = 0-999 anglers.²All Delaware residents are considered coastal county residents thus this category is not applicable (NA).³In this table, "1" = 1000-1499 fish were harvested or released and "(1)" = 0-999 fish were harvested or released.⁴This species may not be equivalent to species with similar names listed in the commercial tables.

Delaware's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Location Quotient ¹
1998	22,871 (0.3%)	354,643 (0.3%)	11,831 (0.4%)	19,738 (0.3%) ²	36,831 (0.4%)	ND ³
2006	25,613 (0.3%)	388,250 (0.3%)	17,449 (0.4%)	25,263 (0.3%)	59,589 (0.5%)	ND
% change	12.0%	9.5%	47.5%	28.0%	61.8%	--

Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Firms	NA ⁴	NA	NA	NA	NA	NA	NA	3	3
	Receipts	NA	NA	NA	ND	ND	ND	ND	64	214
Seafood sales, retail	Firms	6	4	NA	5	5	7	9	12	9
	Receipts	676	562	ND	214	435	959	803	1,523	835

Seafood Sales & Processing – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Establishments	1	1	1	1	1	1	1	1	1
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Seafood sales, wholesale	Establishments	7	5	4	5	7	5	2	3	3
	Employees	ND	ND	ND	ND	65	ND	ND	ND	9
	Payroll	ND	ND	ND	ND	2,279	ND	ND	ND	337
Seafood sales, retail	Establishments	11	11	13	12	15	18	16	14	17
	Employees	ND	64	ND	65	94	ND	144	138	135
	Payroll	ND	1,123	ND	1,243	1,779	ND	3,363	3,264	3,133

Transport, Support, & Marine Operations – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal & Great Lakes freight transportation	Establishments	1	1	1	4	8	5	3	3	3
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Deep sea freight transportation	Establishments	2	3	3	3	2	2	1	1	NA
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	NA
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	NA
Deep sea passenger transportation	Establishments	1	1	1	1	1	NA	NA	1	NA
	Employees	ND	ND	ND	ND	ND	NA	NA	ND	NA
	Payroll	ND	ND	ND	ND	ND	NA	NA	ND	NA
Marinas	Establishments	15	12	14	12	13	17	17	16	18
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Marine cargo handling	Establishments	5	6	6	5	6	5	5	4	4
	Employees	ND	ND	272	257	199	513	ND	ND	597
	Payroll	ND	ND	4,570	4,482	14,718	14,879	ND	ND	18,812
Navigational services to shipping	Establishments	9	9	8	10	10	10	9	9	8
	Employees	69	ND	ND	ND	ND	ND	ND	ND	75
	Payroll	3,057	ND	ND	ND	ND	ND	ND	ND	4,783
Port & harbor operations	Establishments	NA	NA	NA	NA	NA	1	2	2	3
	Employees	NA	NA	NA	NA	NA	ND	ND	ND	ND
	Payroll	NA	NA	NA	NA	NA	ND	ND	ND	ND
Ship & boat building	Establishments	4	4	4	3	1	1	1	1	1
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND

¹The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

²Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

³ND = Data are suppressed due to confidentiality restrictions.

⁴NA = Data are not available.

2007 Economic Impacts of the Maryland Seafood Industry (*thousands of dollars*)

	Sales Impacts	Income Impacts	Employment Impacts
Total Impacts	594,294	298,185	11,041
Commercial Harvesters	117,757	40,545	2,502
Seafood Processors & Dealers	88,672	38,219	983
Seafood Wholesalers & Distributors	140,584	70,530	1,295
Retail Sector	247,282	148,890	6,262

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (*thousands of dollars*)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Revenue	57,962	62,927	53,874	55,591	49,013	49,038	49,294	63,670	53,581	52,273
Finfish & Other	10,958	11,278	10,010	8,574	8,135	8,095	4,763	10,718	9,897	11,010
Shellfish	47,003	51,649	43,864	47,017	40,878	40,943	44,531	52,952	43,685	41,263
Bass, Striped	3,717	3,886	4,216	3,418	3,759	3,916	1,576	4,234	4,591	5,307
Clams or Bivalves	4,817	5,221	5,094	8,073	8,002	5,170	2,579	4,784	4,889	5,074
Crab, Blue	34,269	38,859	30,843	34,681	30,338	34,532	39,104	39,962	31,141	30,444
Croaker, Atlantic	453	482	569	676	512	576	751	543	440	269
Flounder, Summer	ND ¹	527	ND ¹	673	549	ND ¹				
Menhaden	426	463	523	382	423	337	232	1,514	609	1,203
Oyster, Eastern	7,635	7,111	7,192	3,789	2,172	706	181	3,435	1,238	2,524
Perch, White	884	763	941	801	559	556	347	848	569	420
Scallop, Sea	14	24	108	108	96	ND ¹	418	4,513	6,200	2,809
Sea Bass, Black	451	681	475	244	436	555	ND ¹	706	811	ND ¹

Total Landings and Landings of Key Species / Species Groups (*thousands of pounds*)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Landings	61,479	66,419	48,913	55,539	53,185	49,350	49,557	67,460	51,227	48,575
Finfish & Other	21,405	21,666	16,164	16,089	15,275	13,468	8,103	24,977	12,720	18,054
Shellfish	40,074	44,754	32,749	39,450	37,909	35,882	41,454	42,483	38,507	30,521
Bass, Striped	2,883	2,430	2,705	2,049	2,085	2,193	897	2,339	2,485	2,627
Clams or Bivalves	6,454	6,644	7,111	11,911	10,663	7,527	3,676	6,112	7,756	7,948
Crab, Blue	30,870	35,371	22,847	25,933	26,481	27,816	33,826	34,914	29,446	21,386
Croaker, Atlantic	1,376	1,584	1,502	2,233	1,513	1,532	1,801	1,389	877	467
Flounder, Summer	ND ¹	329	ND ¹	333	248	ND ¹				
Menhaden	4,464	5,721	4,871	4,619	4,850	4,232	3,336	15,806	5,263	11,431
Oyster, Eastern	2,461	2,440	2,368	1,274	567	159	43	738	274	259
Perch, White	1,457	1,516	1,921	1,947	1,583	1,477	453	1,524	688	712
Scallop, Sea	2	4	21	28	27	ND ¹	93	584	931	450
Sea Bass, Black	315	439	305	150	280	313	ND ¹	330	350	ND ¹

Average Annual Price for Key Species / Species Groups (*price per pound*)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	1.29	1.60	1.56	1.67	1.80	1.79	1.76	1.81	1.85	2.02
Clams or Bivalves	0.75	0.79	0.72	0.68	0.75	0.69	0.70	0.78	0.63	0.64
Crab, Blue	1.11	1.10	1.35	1.34	1.15	1.24	1.16	1.14	1.06	1.42
Croaker, Atlantic	0.33	0.30	0.38	0.30	0.34	0.38	0.42	0.39	0.50	0.58
Flounder, Summer	ND ¹	1.60	ND ¹	2.02	2.22	ND ¹				
Menhaden	0.10	0.08	0.11	0.08	0.09	0.08	0.07	0.10	0.12	0.11
Oyster, Eastern	3.10	2.91	3.04	2.97	3.83	4.45	4.23	4.66	4.52	9.73
Perch, White	0.61	0.50	0.49	0.41	0.35	0.38	0.77	0.56	0.83	0.59
Scallop, Sea	6.64	6.61	5.10	3.81	3.52	ND ¹	4.48	7.72	6.66	6.25
Sea Bass, Black	1.43	1.55	1.56	1.62	1.56	1.77	ND ¹	2.14	2.31	ND ¹

¹ND = data is confidential thus not disclosable.

2007 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat	839	90,426	55,135
Shore	1,140	105,619	62,298
For-Hire	442	38,387	22,566
Total Durable Equipment Impacts	6,806	1,064,672	510,366
Total State Trip and Durable Equipment Economic Impacts	9,228	1,299,104	650,364

2007 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
Private Boat	26,290	60,706	Fishing Tackle	251,487
Shore	54,190	33,799	Other Equipment	60,207
For-Hire	10,578	15,317	Boat Expenses	165,596
Total Trip Expenditures	91,058	109,822	Vehicle Expenses	548,320
			Second Home Expenses	136,653
			Total Durable Equipment Expenditures	1,162,263
Total State Trip and Durable Equipment Expenditures				1,363,143

Recreational Anglers by Residential Area (thousands of anglers)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal	423	383	461	565	430	526	442	620	733	850
Non-Coastal	29	41	51	50	41	53	39	49	84	78
Out-of-State	307	349	481	426	330	418	333	425	447	528
Total Anglers	759	773	994	1,041	801	997	815	1,095	1,264	1,456

Recreational Fishing Effort by Mode (thousands of trips)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
For-Hire	160	126	204	174	182	187	264	181	235	219
Private or Rental	1,554	1,413	2,204	2,340	1,596	2,033	1,499	1,933	1,980	2,440
Shore	1,124	1,343	1,442	1,275	1,059	1,110	881	1,066	1,374	1,387
Total Trips	2,839	2,883	3,851	3,790	2,837	3,330	2,645	3,180	3,589	4,045

Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)¹

Species/Groups		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	H	392	263	506	383	282	525	380	490	649	679
	R	2,642	2,388	3,245	2,890	2,929	4,653	3,739	3,753	3,896	2,998
Bluefish	H	284	167	344	429	199	214	373	240	509	705
	R	492	605	1,150	1,074	577	518	683	344	850	1,381
Drum (Atlantic Croaker)	H	1,126	1,210	2,675	1,320	1,223	1,620	871	810	833	1,093
	R	3,022	2,484	4,968	1,586	2,523	1,393	819	951	1,792	1,631
Drum (Spot)	H	1,327	655	1,390	1,089	691	3,301	1,375	2,007	2,645	3,843
	R	634	619	1,080	577	501	670	577	2,186	1,467	1,422
Drum (Weakfish) ²	H	290	340	475	303	100	41	30	22	(1)	10
	R	462	753	1,209	737	286	181	132	55	57	106
Flounder, Summer	H	206	227	258	139	69	41	66	85	58	157
	R	1,716	1,012	1,513	1,245	383	373	952	433	511	1,626
Perch, White	H	1,692	838	1,611	565	1,156	2,020	1,441	2,436	2,558	2,990
	R	2,886	2,098	3,721	1,583	1,754	3,698	3,035	5,394	4,331	5,101
Sea Bass, Black	H	354	160	434	119	337	241	158	81	104	53
	R	754	1,487	3,224	2,324	925	773	618	784	799	1,331
Tuna, Yellowfin	H	20	8	9	26	18	26	4	11	21	7
	R	3	1	(1)	2	(1)	(1)	(1)	2	(1)	1
Wrasses (Tautog)	H	7	20	20	24	42	14	14	40	14	107
	R	29	183	128	138	295	96	36	255	211	390

¹In this table, "1" = 1000-1499 fish were harvested or released and "(1)" = 0-999 fish were harvested or released.

²This species may not be equivalent to species with similar names listed in the commercial tables.

Maryland's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Location Quotient ¹
1998	126,577 (1.8%)	1,938,727 (1.8%)	59,818 (1.8%)	119,732 (2.0%) ²	161,954 (1.9%)	0.74
2006	140,292 (1.9%)	2,232,215 (1.9%)	93,719 (2.0%)	156,004 (2.1%)	257,577 (2.0%)	0.71
% change	10.8%	15.1%	56.7%	30.3%	59.0%	-4.1%

Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Firms	28	25	28	25	50	47	51	57	55
	Receipts	1,563	2,027	1,325	1,997	3,199	2,487	2,301	2,727	2,751
Seafood sales, retail	Firms	65	71	71	62	79	78	70	78	73
	Receipts	5,433	6,856	7,012	5,904	8,629	6,771	10,100	6,976	7,755

Seafood Sales & Processing – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Establishments	28	27	27	26	24	23	23	23	19
	Employees	1,006	967	894	889	807	762	895	1,141	1,053
	Payroll	21,651	22,947	22,309	23,686	20,618	20,399	23,039	24,986	28,852
Seafood sales, wholesale	Establishments	94	93	92	94	77	63	58	59	59
	Employees	1,001	950	903	913	870	686	733	709	694
	Payroll	23,498	24,214	26,940	28,847	33,072	27,934	29,813	30,148	32,943
Seafood sales, retail	Establishments	65	65	71	78	88	97	96	95	97
	Employees	375	399	474	475	488	459	579	576	617
	Payroll	6,801	7,786	8,309	8,853	10,033	10,634	12,328	13,019	14,190

Transport, Support, & Marine Operations – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal & Great Lakes freight transportation	Establishments	7	9	9	10	8	9	11	10	10
	Employees	ND ³	ND	155	178	ND	ND	ND	ND	ND
	Payroll	ND	ND	7,372	7,969	ND	ND	ND	ND	ND
Deep sea freight transportation	Establishments	11	12	12	12	14	16	15	16	14
	Employees	104	ND	ND	ND	123	ND	281	316	ND
	Payroll	5,501	ND	ND	ND	9,216	ND	18,983	14,131	ND
Deep sea passenger transportation	Establishments	NA ⁴	NA	1	1	4	3	2	1	1
	Employees	NA	NA	ND						
	Payroll	NA	NA	ND						
Marinas	Establishments	193	196	187	185	188	180	183	185	179
	Employees	1,142	1,103	1,172	1,240	1,232	1,296	1,321	1,228	1,260
	Payroll	26,924	28,289	30,207	32,088	33,621	34,024	36,598	36,590	40,866
Marine cargo handling	Establishments	17	14	13	15	16	14	11	12	13
	Employees	1,824	1,794	1,751	1,505	1,487	1,862	1,725	1,639	1,659
	Payroll	68,008	60,105	60,915	63,172	66,525	69,084	75,911	81,219	73,367
Navigational services to shipping	Establishments	13	13	12	13	13	11	8	9	9
	Employees	ND	311	ND	275	ND	195	ND	ND	ND
	Payroll	ND	13,125	ND	18,710	ND	38,619	ND	ND	ND
Port & harbor operations	Establishments	4	4	4	4	7	8	10	11	11
	Employees	217	236	ND	319	259	376	479	ND	ND
	Payroll	6,109	8,708	ND	9,545	11,655	16,099	19,218	ND	ND
Ship & boat building	Establishments	41	36	38	40	44	55	58	57	55
	Employees	1,697	1,902	ND	1,421	1,223	1,426	1,022	ND	1,119
	Payroll	51,552	56,547	ND	48,561	40,743	36,444	35,364	ND	33,463

¹The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

²Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

³ND = Data are suppressed due to confidentiality restrictions.

⁴NA = Data are not available.

2007 Economic Impacts of the New Jersey Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	1,927,389	1,038,127	36,618
Commercial Harvesters	164,081	65,287	1,909
Seafood Processors & Dealers	112,984	55,491	1,267
Seafood Wholesalers & Distributors	446,142	214,554	3,809
Retail Sector	1,204,183	702,794	29,634

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Revenue	97,235	97,857	107,163	110,246	112,708	120,670	145,832	159,113	136,053	152,560
Finfish & Other	25,539	26,403	23,308	19,858	20,062	22,017	21,772	22,938	24,483	25,323
Shellfish	71,696	71,453	83,855	90,389	92,646	98,653	124,061	136,175	111,570	127,237
Clam, Quahog	8,712	7,363	6,757	5,636	ND ¹	5,228	7,409	7,556	7,615	968
Clams, Ocean Quahog & Surf	29,755	32,536	37,766	41,193	39,804	38,054	31,379	25,567	31,038	32,362
Crab, Blue	5,279	4,911	5,490	4,802	6,725	4,736	5,330	6,773	6,359	6,004
Flounder, Summer	2,732	3,038	2,604	2,313	3,504	3,683	4,429	4,649	4,926	3,989
Goosefish	5,809	7,782	6,505	6,135	5,896	6,200	3,496	4,492	4,416	4,485
Herring, Atlantic	274	8	ND ¹	32	60	145	6	371	389	563
Lobster, American	2,633	3,632	3,694	2,471	1,139	1,028	1,802	2,002	2,533	4,056
Mackerel, Atlantic	2,203	2,207	1,205	1,695	1,780	2,855	3,398	3,958	3,717	668
Oyster, Eastern	2,686	1,572	967	1,918	1,853	3,366	1,558	823	2,288	2,231
Scallop, Sea	9,816	14,528	24,108	29,983	33,336	43,507	67,498	88,494	57,471	77,320

Total Landings and Landings of Key Species / Species Groups (thousands of pounds)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Landings	197,143	168,644	171,803	168,541	162,139	170,133	187,772	156,976	152,783	153,964
Finfish & Other	84,899	77,525	71,574	71,867	65,737	75,471	71,782	74,454	66,317	65,288
Shellfish	112,243	91,119	100,229	96,674	96,401	94,662	115,990	82,522	86,466	88,677
Clam, Quahog	2,193	1,880	1,622	1,357	ND ¹	1,260	1,796	1,852	1,844	240
Clams, Ocean Quahog & Surf	60,498	66,114	72,858	73,900	73,949	71,683	61,155	49,849	55,286	55,746
Crab, Blue	5,829	5,579	5,093	4,724	6,229	4,012	4,350	6,333	5,981	4,821
Flounder, Summer	1,863	1,917	1,848	1,745	2,407	2,385	2,829	2,529	2,380	1,698
Goosefish	8,141	6,358	4,414	5,855	5,697	7,185	4,230	3,922	3,841	4,234
Herring, Atlantic	2,545	47	ND ¹	708	1,138	1,805	114	2,263	2,451	6,039
Lobster, American	722	931	891	580	264	210	371	369	471	681
Mackerel, Atlantic	18,233	20,035	9,645	25,224	20,486	33,056	36,091	32,415	24,977	5,384
Oyster, Eastern	703	411	202	412	379	714	323	162	350	444
Scallop, Sea	1,588	2,748	4,949	8,219	8,644	10,638	13,737	11,832	8,440	11,801

Average Annual Price for Key Species / Species Groups (price per pound)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Clam, Quahog	3.97	3.92	4.17	4.15	ND ¹	4.15	4.13	4.08	4.13	4.04
Clams, Ocean Quahog & Surf	0.49	0.49	0.52	0.56	0.54	0.53	0.51	0.51	0.56	0.58
Crab, Blue	0.91	0.88	1.08	1.02	1.08	1.18	1.23	1.07	1.06	1.25
Flounder, Summer	1.47	1.58	1.41	1.32	1.46	1.54	1.57	1.84	2.07	2.35
Goosefish	0.71	1.22	1.47	1.05	1.03	0.86	0.83	1.15	1.15	1.06
Herring, Atlantic	0.11	0.16	ND ¹	0.05	0.05	0.08	0.05	0.16	0.16	0.09
Lobster, American	3.65	3.90	4.14	4.26	4.31	4.90	4.86	5.42	5.38	5.96
Mackerel, Atlantic	0.12	0.11	0.12	0.07	0.09	0.09	0.09	0.12	0.15	0.12
Oyster, Eastern	3.82	3.82	4.77	4.65	4.88	4.72	4.82	5.09	6.53	5.02
Scallop, Sea	6.18	5.29	4.87	3.65	3.86	4.09	4.91	7.48	6.81	6.55

¹ND = data is confidential thus not disclosable.

2007 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat	1,709	242,167	125,283
Shore	1,127	135,067	73,433
For-Hire	848	91,446	53,163
Total Durable Equipment Impacts	7,209	1,337,926	678,915
Total State Trip and Durable Equipment Economic Impacts	10,893	1,806,606	930,794

2007 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
Private Boat	53,729	137,673	Fishing Tackle	378,814
Shore	39,409	70,950	Other Equipment	78,186
For-Hire	34,235	25,182	Boat Expenses	296,190
Total Trip Expenditures	127,373	233,805	Vehicle Expenses	405,725
			Second Home Expenses	52,466
			Total Durable Equipment Expenditures	1,211,381
Total State Trip and Durable Equipment Expenditures				1,572,559

Recreational Anglers by Residential Area (thousands of anglers)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal	400	493	544	721	400	592	708	818	693	890
Non-Coastal	29	30	17	42	17	20	31	39	25	19
Out-of-State	357	303	430	543	239	462	379	471	481	518
Total Anglers	786	827	990	1,306	656	1,074	1,117	1,328	1,199	1,427

Recreational Fishing Effort by Mode (thousands of trips)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
For-Hire	459	419	518	643	368	466	501	408	630	545
Private or Rental	2,669	2,487	3,727	4,025	2,992	3,602	3,892	3,765	3,859	3,634
Shore	1,180	1,919	2,224	2,817	2,049	2,711	2,152	2,476	2,803	3,256
Total Trips	4,308	4,825	6,469	7,484	5,409	6,779	6,544	6,649	7,292	7,436

Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)¹

Species/Groups		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	H	89	237	402	560	416	392	449	327	489	206
	R	488	1,153	885	966	715	926	1,324	1,197	2,102	1,495
Bluefish	H	817	809	1,236	1,431	1,321	1,571	2,012	2,035	1,457	1,645
	R	702	1,824	1,907	2,056	2,168	1,913	2,403	2,644	1,930	3,146
Drum (Weakfish) ²	H	921	584	760	736	493	151	184	1,053	418	209
	R	778	551	1,605	1,065	351	631	607	1,280	1,231	581
Flounder, Summer	H	2,728	1,503	3,023	2,070	989	1,784	1,887	1,396	1,561	1,328
	R	6,520	9,220	7,261	10,343	4,205	5,807	7,212	9,931	6,823	7,125
Flounder, Winter	H	169	376	1,080	562	208	307	95	46	43	194
	R	193	191	441	188	124	110	29	42	192	42
Hake, Red	H	79	116	96	51	12	16	12	6	111	1
	R	2	4	5	5	(1)	15	6	6	15	(1)
Sea Bass, Black	H	273	449	1,962	1,919	1,760	1,903	1,173	667	692	1,006
	R	1,235	1,728	5,545	4,371	4,318	4,295	2,833	2,463	2,090	2,882
Tuna, Bluefin	H	(1)	3	8	11	7	9	9	8	4	5
	R	(1)	(1)	(1)	4	(1)	(1)	31	26	35	1
Tuna, Yellowfin	H	4	19	55	9	14	22	25	22	41	25
	R	(1)	(1)	(1)	(1)	4	(1)	1	(1)	1	(1)
Wrasses (Tautog)	H	12	166	462	468	348	103	131	37	195	342
	R	225	671	627	1,006	836	394	426	335	563	1,353

¹In this table, "1" = 1000-1499 fish were harvested or released and "(1)" = 0-999 fish were harvested or released.²This species may not be equivalent to species with similar names listed in the commercial tables.

New Jersey's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Location Quotient ¹
1998	230,860 (3.3%)	3,368,365 (3.1%)	125,787 (3.8%)	211,925 (3.6%) ²	314,117 (3.6%)	1.17
2006	243,055 (3.2%)	3,645,381 (3.0%)	175,502 (3.7%)	257,419 (3.5%)	448,426 (3.4%)	0.89
% change	5.3%	8.2%	39.5%	21.5%	42.8%	-23.9%

Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Firms	15	16	17	14	21	23	23	26	27
	Receipts	1,098	1,913	2,545	2,878	2,673	2,279	2,694	3,086	3,027
Seafood sales, retail	Firms	93	98	94	87	92	100	89	93	72
	Receipts	8,707	8,457	8,289	8,368	8,348	8,822	9,219	9,194	8,916

Seafood Sales & Processing – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Establishments	14	18	16	18	17	16	15	17	16
	Employees	803	863	816	1,100	928	846	749	969	667
	Payroll	17,990	18,491	20,655	27,302	23,045	20,794	21,029	28,235	22,097
Seafood sales, wholesale	Establishments	101	110	107	112	102	84	85	85	89
	Employees	936	1,027	1,028	1,023	969	920	948	914	941
	Payroll	32,296	35,333	37,609	39,677	37,394	35,991	38,066	37,828	41,506
Seafood sales, retail	Establishments	118	123	125	125	149	133	134	128	127
	Employees	428	429	571	549	559	454	547	524	493
	Payroll	7,655	8,188	9,621	10,183	10,225	10,513	11,952	11,787	11,373

Transport, Support, & Marine Operations – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal & Great Lakes freight transportation	Establishments	20	19	18	21	13	15	17	18	18
	Employees	ND ³	ND	ND	532	ND	768	ND	914	1,040
	Payroll	ND	ND	ND	36,912	ND	45,024	ND	54,097	68,096
Deep sea freight transportation	Establishments	35	38	37	33	35	37	33	38	39
	Employees	3,807	1,484	1,373	1,451	1,397	1,287	1,028	948	648
	Payroll	146,969	79,060	74,915	86,618	78,258	70,996	65,691	68,633	45,940
Deep sea passenger transportation	Establishments	3	2	3	4	4	5	4	5	4
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Marinas	Establishments	224	220	209	211	199	203	201	206	204
	Employees	ND	ND	ND	ND	927	951	945	978	940
	Payroll	ND	ND	ND	ND	32,480	34,777	36,862	38,323	39,154
Marine cargo handling	Establishments	24	24	26	26	29	27	26	26	25
	Employees	3,526	2,907	3,887	3,418	3,408	4,108	4,685	4,972	4,599
	Payroll	158,301	166,705	227,064	187,150	247,217	318,325	340,085	363,714	345,784
Navigational services to shipping	Establishments	15	17	22	21	22	16	17	16	19
	Employees	ND	ND	408	183	ND	210	ND	169	ND
	Payroll	ND	ND	22,315	10,359	ND	8,028	ND	9,673	ND
Port & harbor operations	Establishments	7	6	6	5	5	5	6	7	6
	Employees	ND	ND	375	376	ND	240	ND	194	ND
	Payroll	ND	ND	18,804	21,855	ND	10,644	ND	11,599	ND
Ship & boat building	Establishments	44	43	43	45	41	37	35	37	34
	Employees	1,796	1,992	2,178	2,185	2,223	2,005	2,040	2,320	2,307
	Payroll	61,814	66,141	71,918	70,980	76,607	75,149	80,301	89,421	88,367

¹The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

²Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

³ND = Data are suppressed due to confidentiality restrictions.

2007 Economic Impacts of the New York Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	1,830,881	972,022	39,585
Commercial Harvesters	116,428	39,860	2,435
Seafood Processors & Dealers	94,356	39,847	696
Seafood Wholesalers & Distributors	424,823	208,571	3,658
Retail Sector	1,195,273	683,744	32,796

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Revenue	81,828	74,787	61,121	55,072	51,264	51,601	46,874	56,368	57,706	58,940
Finfish & Other	22,319	19,363	16,495	18,864	15,924	16,426	16,762	18,317	19,123	20,099
Shellfish	59,509	55,424	44,626	36,208	35,341	35,175	30,112	38,051	38,583	38,841
Clam, Atlantic Surf	2,497	2,203	3,602	4,885	5,520	7,934	4,475	7,055	4,473	5,932
Clam, Quahog	19,185	17,777	17,547	13,502	12,245	12,399	10,673	12,696	12,237	14,224
Clam, Softshell	712	975	848	561	679	888	1,227	1,468	2,055	1,628
Flounder, Summer	1,967	1,832	2,007	1,778	2,042	2,240	3,275	3,797	3,418	3,129
Lobster	27,649	24,970	11,555	7,357	5,131	4,426	3,722	4,396	6,288	4,283
Oyster, Eastern	1,356	392	1,311	2,137	4,995	4,263	3,367	1,961	2,390	2,627
Scallop, Sea	5	68	239	718	90	164	720	3,617	3,518	3,812
Scups or Porgies	1,099	713	909	703	1,185	1,330	1,637	2,027	2,448	2,348
Squid, Loligo	6,720	8,052	8,423	6,035	6,247	4,353	5,425	6,054	5,844	5,158
Tilefishes	3,329	1,885	2,053	3,191	3,195	2,736	2,082	2,765	3,323	3,845

Total Landings and Landings of Key Species / Species Groups (thousands of pounds)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Landings	56,501	49,490	44,702	42,388	38,548	39,388	34,513	38,150	32,651	36,275
Finfish & Other	31,490	23,568	18,585	21,018	16,540	17,223	16,530	14,631	14,029	16,458
Shellfish	25,011	25,922	26,116	21,370	22,008	22,165	17,983	23,519	18,622	19,817
Clam, Atlantic Surf	3,859	4,878	5,567	7,549	8,544	13,264	7,462	11,953	6,913	9,161
Clam, Quahog	2,504	2,647	2,349	1,828	1,502	1,553	1,346	1,617	1,650	1,592
Clam, Softshell	208	229	181	106	132	163	234	270	393	198
Flounder, Summer	822	801	812	752	1,053	1,073	1,594	1,799	1,220	941
Lobster	7,897	6,452	2,883	2,053	1,440	946	996	1,154	1,243	716
Oyster, Eastern	237	68	150	244	537	466	370	219	269	124
Scallop, Sea	3	18	111	259	26	39	170	647	577	610
Scups or Porgies	621	455	634	655	1,558	1,850	1,907	2,186	2,416	2,325
Squid, Loligo	8,300	10,197	13,208	7,625	9,613	4,603	6,363	6,693	6,460	5,437
Tilefishes	1,962	798	916	1,835	1,593	1,755	1,335	1,142	1,297	1,394

Average Annual Price for Key Species / Species Groups (price per pound)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Clam, Atlantic Surf	0.65	0.45	0.65	0.65	0.65	0.60	0.60	0.59	0.65	0.65
Clam, Quahog	7.66	6.72	7.47	7.39	8.15	7.98	7.93	7.85	7.42	8.94
Clam, Softshell	3.42	4.25	4.70	5.30	5.15	5.45	5.24	5.43	5.23	8.23
Flounder, Summer	2.39	2.29	2.47	2.36	1.94	2.09	2.05	2.11	2.80	3.33
Lobster	3.50	3.87	4.01	3.58	3.56	4.68	3.74	3.81	5.06	5.98
Oyster, Eastern	5.73	5.76	8.77	8.77	9.30	9.15	9.10	8.97	8.87	21.21
Scallop, Sea	1.81	3.90	2.15	2.77	3.43	4.19	4.24	5.59	6.10	6.25
Scups or Porgies	1.77	1.57	1.43	1.07	0.76	0.72	0.86	0.93	1.01	1.01
Squid, Loligo	0.81	0.79	0.64	0.79	0.65	0.95	0.85	0.90	0.90	0.95
Tilefishes	1.70	2.36	2.24	1.74	2.01	1.56	1.56	2.42	2.56	2.76

2007 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat	710	85,949	53,810
Shore	421	45,391	27,710
For-Hire	746	73,572	44,550
Total Durable Equipment Impacts	4,617	774,274	385,242
Total State Trip and Durable Equipment Economic Impacts	6,493	979,186	511,312

2007 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
Private Boat	4,297	83,481	Fishing Tackle	215,057
Shore	3,672	41,513	Other Equipment	86,322
For-Hire	8,978	38,432	Boat Expenses	251,835
Total Trip Expenditures	16,947	163,426	Vehicle Expenses	126,049
			Second Home Expenses	66,428
			Total Durable Equipment Expenditures	745,690
Total State Trip and Durable Equipment Expenditures				926,063

Recreational Anglers by Residential Area (thousands of anglers)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal	427	337	469	474	387	599	587	885	735	881
Non-Coastal	6	11	12	11	8	19	18	27	25	39
Out-of-State	42	28	20	29	41	82	76	110	114	147
Total Anglers	476	376	500	513	436	700	681	1,022	874	1,067

Recreational Fishing Effort by Mode (thousands of trips)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
For-Hire	244	281	306	344	339	406	397	475	398	522
Private or Rental	2,012	1,749	2,496	2,365	2,172	3,030	2,600	3,032	3,058	3,237
Shore	1,175	873	1,844	1,915	1,607	2,090	1,777	2,566	1,943	2,459
Total Trips	3,431	2,903	4,645	4,624	4,118	5,525	4,774	6,073	5,399	6,218

Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)¹

Species/Groups	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	
Bass, Striped	H	167	195	271	190	202	314	243	298	313	371
	R	885	1,229	1,373	824	588	1,084	1,493	1,348	1,578	1,456
Bluefish	H	768	710	718	1,005	751	1,147	1,499	2,376	1,534	1,660
	R	589	1,156	2,629	2,543	1,017	1,305	1,883	3,314	1,839	1,919
Drum (Weakfish) ²	H	21	18	42	28	25	9	8	(1)	9	7
	R	30	35	69	69	63	7	40	194	12	201
Flounder, Summer	H	1,230	760	1,671	700	696	1,539	937	1,147	802	711
	R	1,522	3,260	3,574	5,228	4,100	5,722	2,682	7,767	5,277	5,255
Flounder, Winter	H	78	136	237	233	154	234	236	150	204	15
	R	104	152	237	286	141	73	56	222	95	14
Herring, Atlantic ²	H	111	142	67	39	26	30	73	140	39	315
	R	5	118	83	48	14	(1)	4	2	3	176
Porgies (Scup)	H	444	875	3,126	1,734	1,091	5,112	1,581	686	1,277	1,601
	R	483	197	1,301	1,666	1,246	1,805	2,508	1,263	2,498	1,590
Sea Bass, Black	H	12	89	335	164	221	318	105	176	277	312
	R	79	731	1,222	641	1,411	739	490	963	1,634	1,513
Shortfin Mako	H	2	1	5	(1)	1	3	(1)	(1)	1	1
	R	3	9	13	2	4	3	2	5	2	(1)
Wrasses (Tautog)	H	69	197	79	46	630	129	381	119	253	202
	R	517	787	401	314	953	297	783	272	1,020	368

¹In this table, "1" = 1000-1499 fish were harvested or released and "(1)" = 0-999 fish were harvested or released.²This species may not be equivalent to species with similar names listed in the commercial tables.

New York's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Location Quotient ¹
1998	481,962 (7.0%)	6,993,814 (6.5%)	274,635 (8.3%)	482,888 (8.1%) ²	686,906 (7.9%)	0.22
2006	515,950 (6.8%)	7,532,764 (6.3%)	398,192 (8.3%)	594,223 (8.0%)	1,028,320 (7.8%)	0.12
% change	7.1%	7.7%	45.0%	23.1%	49.7%	-45.5%

Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Firms	17	43	39	45	40	62	49	57	61
	Receipts	1,093	3,621	3,538	2,607	1,730	2,580	3,517	2,652	3,044
Seafood sales, retail	Firms	279	274	268	262	244	272	241	219	206
	Receipts	24,314	28,922	30,580	31,218	29,832	29,321	28,640	24,987	24,790

Seafood Sales & Processing – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Establishments	18	19	18	21	16	18	17	18	15
	Employees	339	452	ND ³	370	352	271	323	324	298
	Payroll	13,404	15,350	ND	18,258	20,430	15,676	14,782	14,810	16,491
Seafood sales, wholesale	Establishments	323	313	305	296	315	291	274	269	254
	Employees	2,195	2,189	2,265	2,158	2,269	2,183	2,091	2,003	2,066
	Payroll	67,377	71,437	75,538	76,881	84,367	75,063	75,411	76,177	78,198
Seafood sales, retail	Establishments	302	297	307	323	381	376	386	392	388
	Employees	1,004	1,026	1,113	1,154	1,421	1,518	1,602	1,513	1,495
	Payroll	15,037	16,110	17,304	18,609	22,867	25,422	26,489	25,665	26,701

Transport, Support, & Marine Operations – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal & Great Lakes freight transportation	Establishments	72	71	69	67	69	60	60	57	55
	Employees	ND	1,687	1,653	2,182	2,284	1,751	1,452	1,448	1,464
	Payroll	ND	91,895	91,296	129,403	141,213	115,452	94,074	91,347	109,315
Deep sea freight transportation	Establishments	48	42	43	40	38	35	36	39	38
	Employees	1,123	769	ND	621	1,084	927	600	602	ND
	Payroll	91,731	49,402	ND	42,874	52,516	58,350	38,246	39,309	ND
Deep sea passenger transportation	Establishments	2	2	4	5	4	8	7	6	4
	Employees	ND	ND	ND	160	ND	212	ND	ND	ND
	Payroll	ND	ND	ND	5,646	ND	6,673	ND	ND	ND
Marinas	Establishments	405	389	392	386	386	417	413	416	404
	Employees	1,811	1,682	1,778	1,805	1,680	2,167	2,185	2,093	2,112
	Payroll	53,425	55,844	64,661	66,508	69,242	77,398	81,737	84,832	83,807
Marine cargo handling	Establishments	19	20	22	19	11	14	14	12	12
	Employees	1,126	1,290	1,677	ND	ND	951	1,099	ND	ND
	Payroll	40,018	43,649	56,242	ND	ND	50,015	48,529	ND	ND
Navigational services to shipping	Establishments	41	36	41	41	32	34	34	35	36
	Employees	ND	ND	487	554	ND	ND	ND	ND	ND
	Payroll	ND	ND	27,872	29,646	ND	ND	ND	ND	ND
Port & harbor operations	Establishments	3	3	3	3	4	3	3	3	3
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	6
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	119
Ship & boat building	Establishments	50	52	48	44	41	44	45	47	48
	Employees	976	841	880	759	ND	ND	ND	590	ND
	Payroll	28,550	28,262	28,320	26,072	ND	ND	ND	21,514	ND

¹The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

²Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

³ND = Data are suppressed due to confidentiality restrictions.

2007 Economic Impacts of the Virginia Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	1,448,353	807,255	33,439
Commercial Harvesters	107,917	46,959	2,203
Seafood Processors & Dealers	179,333	94,186	2,544
Seafood Wholesalers & Distributors	223,917	112,069	2,118
Retail Sector	937,185	554,041	26,574

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Revenue	113,049	108,247	118,336	119,618	123,308	130,657	160,491	155,096	109,071	130,562
Finfish & Other	59,520	47,754	47,258	42,222	38,947	39,661	43,522	48,589	40,597	45,783
Shellfish	53,530	60,492	71,078	77,395	84,361	90,996	116,970	106,507	68,474	84,779
Bass, Striped	2,559	3,088	3,266	3,250	2,823	3,389	3,659	4,478	2,907	3,835
Catfishes & Bullhead	355	330	389	987	1,005	372	649	900	1,570	977
Crab, Blue	27,195	26,525	24,115	25,600	21,083	19,130	21,822	20,578	14,067	14,800
Croaker, Atlantic	4,162	3,499	5,598	3,126	3,815	2,822	3,013	3,691	4,344	4,616
Flounder, Summer	3,316	3,067	3,131	2,973	3,150	4,220	5,376	4,680	3,460	3,186
Goosefish	1,076	940	843	700	704	879	599	1,143	688	750
Menhaden	40,744	30,222	27,566	25,860	22,113	22,511	24,144	25,259	22,269	25,351
Scallop, Sea	20,658	27,483	41,680	44,466	57,715	68,298	92,203	84,574	52,819	62,892
Sea Bass, Black	1,307	1,195	1,335	1,317	1,589	1,306	1,167	1,243	1,072	663
Spot	1,536	1,040	2,256	1,326	1,256	1,688	2,236	2,227	1,762	3,175

Total Landings and Landings of Key Species / Species Groups (thousands of pounds)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Landings	592,732	460,254	443,197	561,792	442,490	446,828	481,373	441,568	426,235	484,388
Finfish & Other	551,710	419,790	403,157	520,211	396,929	406,359	432,023	402,616	393,760	452,313
Shellfish	41,022	40,464	40,041	41,581	45,560	40,469	49,350	38,952	32,475	32,075
Bass, Striped	1,855	1,859	2,209	2,050	1,841	2,104	2,126	2,484	1,431	1,967
Catfishes & Bullhead	1,577	1,455	1,680	1,964	1,886	1,799	1,922	1,622	1,360	1,596
Crab, Blue	34,599	31,437	28,846	25,057	27,301	21,464	27,642	26,064	22,719	18,481
Croaker, Atlantic	12,007	12,850	12,889	12,929	12,448	10,936	9,488	9,272	7,829	10,899
Flounder, Summer	2,616	2,196	2,207	2,660	2,970	3,522	3,906	3,897	2,757	1,857
Goosefish	2,995	2,629	942	887	970	1,270	1,002	1,159	677	825
Menhaden	508,728	378,158	367,131	487,144	364,941	373,868	399,798	372,578	370,989	419,997
Scallop, Sea	3,548	5,572	9,176	12,654	16,189	17,536	19,409	11,444	8,312	10,024
Sea Bass, Black	816	740	648	661	771	507	498	476	328	190
Spot	4,277	2,962	3,765	3,248	3,062	3,471	4,338	3,103	1,696	4,249

Average Annual Price for Key Species / Species Groups (price per pound)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	1.38	1.66	1.48	1.59	1.53	1.61	1.72	1.80	2.03	1.95
Catfishes & Bullhead	0.23	0.23	0.23	0.50	0.53	0.21	0.34	0.55	1.15	0.61
Crab, Blue	0.79	0.84	0.84	1.02	0.77	0.89	0.79	0.79	0.62	0.80
Croaker, Atlantic	0.35	0.27	0.43	0.24	0.31	0.26	0.32	0.40	0.55	0.42
Flounder, Summer	1.27	1.40	1.42	1.12	1.06	1.20	1.38	1.20	1.26	1.72
Goosefish	0.36	0.36	0.90	0.79	0.73	0.69	0.60	0.99	1.02	0.91
Menhaden	0.08	0.08	0.08	0.05	0.06	0.06	0.06	0.07	0.06	0.06
Scallop, Sea	5.82	4.93	4.54	3.51	3.56	3.89	4.75	7.39	6.35	6.27
Sea Bass, Black	1.60	1.61	2.06	1.99	2.06	2.58	2.34	2.61	3.27	3.49
Spot	0.36	0.35	0.60	0.41	0.41	0.49	0.52	0.72	1.04	0.75

2007 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
Private Boat	1,786	175,564	101,912
Shore	463	42,646	24,452
For-Hire	136	10,771	6,145
Total Durable Equipment Impacts	4,883	594,005	300,064
Total State Trip and Durable Equipment Economic Impacts	7,267	822,986	432,573

2007 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
Private Boat	70,450	84,402	Fishing Tackle	101,161
Shore	13,137	23,869	Other Equipment	36,433
For-Hire	5,266	1,957	Boat Expenses	179,959
Total Trip Expenditures	88,853	110,228	Vehicle Expenses	143,269
			Second Home Expenses	35,179
			Total Durable Equipment Expenditures	496,001
Total State Trip and Durable Equipment Expenditures				695,082

Recreational Anglers by Residential Area (thousands of anglers)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal	302	309	388	423	337	384	510	559	578	463
Non-Coastal	38	66	68	88	73	52	69	137	90	76
Out-of-State	291	187	262	520	407	288	428	511	364	297
Total Anglers	631	562	717	1,031	817	724	1,007	1,206	1,033	836

Recreational Fishing Effort by Mode (thousands of trips)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
For-Hire	80	41	64	91	72	86	96	41	34	59
Private or Rental	1,976	1,904	2,291	2,579	2,255	2,068	2,415	2,432	2,555	2,510
Shore	900	749	1,036	1,458	927	958	1,083	1,368	1,310	1,154
Total Trips	2,956	2,694	3,391	4,128	3,254	3,113	3,594	3,841	3,900	3,723

Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)

Species/Groups		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Bass, Striped	H	294	304	335	301	321	402	477	368	523	246
	R	796	941	1,022	621	707	971	1,768	1,485	1,690	914
Cobia	H	4	5	10	9	3	2	3	14	8	10
	R	9	16	8	10	10	15	7	23	29	8
Drum (Atlantic Croaker)	H	6,730	5,882	5,486	9,335	9,129	6,695	7,293	7,791	7,069	7,753
	R	4,991	5,669	7,811	7,087	7,108	6,544	5,791	8,144	4,599	9,511
Drum, Red	H	13	12	23	7	50	14	5	3	15	71
	R	94	233	197	30	801	43	34	31	159	166
Drum (Spot)	H	2,024	569	527	1,056	1,602	1,441	2,323	2,994	3,510	6,609
	R	900	340	503	969	482	934	975	1,799	921	2,311
Drum (Spotted Seatrout)	H	35	138	90	13	16	102	75	31	56	146
	R	75	152	265	110	136	207	296	277	125	415
Drum (Weakfish) ¹	H	464	229	287	176	178	86	103	30	59	45
	R	1,245	819	936	633	888	504	528	267	456	172
Flounder, Summer	H	1,165	378	581	1,338	772	451	584	584	862	479
	R	3,852	2,183	2,629	4,014	2,666	2,585	3,539	2,340	2,274	3,388
Sea Bass, Black	H	398	536	448	231	132	265	48	75	115	67
	R	1,332	1,242	1,570	2,180	2,441	1,742	1,280	945	983	1,265
Wrasses (Tautog)	H	51	43	35	29	26	76	163	108	142	67
	R	77	66	13	27	38	55	141	107	229	94

¹This species may not be equivalent to species with similar names listed in the commercial tables.

Virginia's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions)	Gross State Product (\$ millions)	Commercial Location Quotient ¹
1998	172,182 (2.5%)	2,700,589 (2.5%)	81,261 (2.5%)	167,476 (2.8%) ²	226,569 (2.6%)	0.38
2005	197,263 (2.6%)	3,174,363 (2.7%)	128,999 (2.7%)	220,087 (3.0%)	368,604 (2.8%)	0.48
% change	14.6%	17.5%	58.7%	31.4%	62.7%	26.3%

Seafood Sales and Processing – Nonemployer Firms (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Firms	12	14	16	20	35	53	68	65	74
	Receipts	283	854	613	1,185	1,406	2,370	3,456	3,665	4,916
Seafood Sales, retail	Firms	76	73	68	89	94	88	89	80	86
	Receipts	3,788	4,707	5,505	10,148	8,266	7,193	8,346	8,762	8,027

Seafood Sales and Processing – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Seafood product preparation & packaging	Establishments	46	42	41	42	39	38	42	39	33
	Employees	1,515	1,515	1,230	1,259	1,035	1,256	1,231	1,336	871
	Payroll	29,441	30,554	34,642	35,228	35,828	37,386	38,731	39,980	28,530
Seafood sales, wholesale	Establishments	108	108	105	100	89	84	86	86	80
	Employees	1,087	1,056	1,072	875	790	742	756	675	605
	Payroll	20,721	22,086	21,054	21,138	21,591	20,133	22,235	21,864	21,388
Seafood sales, retail	Establishments	53	52	57	59	74	61	68	69	75
	Employees	ND	ND	243	203	259	165	297	286	334
	Payroll	ND	ND	3,262	3,104	3,662	3,146	4,479	4,865	5,348

Transport, Support, and Marine Operations – Employer Establishments (thousands of dollars)

		1998	1999	2000	2001	2002	2003	2004	2005	2006
Coastal & Great Lakes freight transportation	Establishments	16	15	15	14	13	16	13	15	13
	Employees	501	ND ³	ND	ND	ND	591	ND	ND	ND
	Payroll	18,281	ND	ND	ND	ND	26,881	ND	ND	ND
Deep sea freight transportation	Establishments	20	26	24	22	23	22	21	24	22
	Employees	895	953	1,172	ND	1,254	1,087	1,124	1,090	1,564
	Payroll	49,207	71,298	72,961	ND	92,591	87,099	91,978	95,871	141,085
Deep sea passenger transportation	Establishments	NA ⁴	NA	NA	NA	2	2	2	1	1
	Employees	NA	NA	NA	NA	ND	ND	ND	ND	ND
	Payroll	NA	NA	NA	NA	ND	ND	ND	ND	ND
Marinas	Establishments	121	119	121	129	122	136	137	141	131
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Marine cargo handling	Establishments	16	17	16	16	18	19	19	18	17
	Employees	1,387	ND	1,820	1,284	ND	ND	ND	1,516	1,110
	Payroll	52,862	ND	53,584	50,553	ND	ND	ND	52,254	51,654
Navigational services to shipping	Establishments	13	13	14	13	17	15	20	21	17
	Employees	374	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	9,359	ND	ND	ND	ND	ND	ND	ND	ND
Port & harbor operations	Establishments	8	9	9	9	8	8	9	9	10
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ship & boat building	Establishments	53	54	52	63	62	50	52	50	51
	Employees	21,711	21,176	21,429	20,198	21,240	20,720	21,022	21,230	21,741
	Payroll	853,817	765,462	856,081	989,524	963,644	901,156	920,372	938,375	993,066

¹The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

²Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

³ND = Data are suppressed due to confidentiality restrictions.

⁴NA = Data are not available.