

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 in conjunction 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. Golden Tilefish
7. Monkfish (with the NEFMC)

Of the stocks or stock complexes covered in these fishery management plans, Atlantic butterfish is currently considered overfished. No Mid-Atlantic species are currently subject to overfishing.

Currently, there are two catch share programs, in the Mid-Atlantic Region. The surfclam and ocean quahog individual fishing quota (IFQ) program was implemented in 1990 and had an ex-vessel value of \$49.0 million in 2007. A second catch share program, also an IFQ, for the golden tilefish fishery was implemented in November 2009. This program had an ex-vessel value of \$4.2 million in 2009 and \$4.5 million in 2007.

Commercial Fisheries

Mid-Atlantic fishermen earned over \$452 million for their catch in 2008, and harvested over 678 million pounds of finfish and shellfish. Sea scallop was a significant component of ex-vessel revenue, generating \$166 million in 2008 or 37% of total revenue. Despite accounting for just 0.20% of the total landings in the Mid-Atlantic, Eastern oyster averaged \$7.96 per pound in 2008, the highest annual price of any key species or species group. In terms of landings, menhaden accounted for 53% of total landings in the Mid-Atlantic, over 360 million pounds in 2008. This low value species had an average ex-vessel price of \$0.06 per pound in 2008, and contributed 5% to total revenue in the region.

In 2008, the total revenue in New Jersey was the highest in the region with fishermen generating \$169 million for their catch. Total landings in Virginia (416 million pounds) contributed 61% to total landings in the Mid-Atlantic. Menhaden made up over 85% of landings in Virginia. In terms of finfish revenue and catch, Virginia fishermen generated the most and received \$40 million for 384 million pounds harvested in 2008. Fishermen in New Jersey accounted for most of the shellfish revenue (\$149 million) and landings (100 million pounds). Virginia, Maryland, New York and Delaware followed in both revenue generated and shellfish catch harvested.

Economic Impacts

In 2008, the Mid-Atlantic Region's seafood industry generated over a billion dollars in sales in New Jersey (\$2.17 billion), New York (\$1.98 billion) and Virginia (\$1.37 billion). Most of the seafood industry-related jobs in this region were also sustained in the same states with 41,500 full- and part-time jobs in New York, 40,000 jobs in New Jersey, and 31,000 jobs in Virginia. Maryland (1,900 jobs) and Delaware (1,100 jobs) followed in terms of employment supported by the seafood industry. New Jersey also led the region in income impacts with almost \$1.2 billion dollars generated by the seafood industry in 2008.

Key Mid-Atlantic Commercial Species

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

Landings Revenue

Ex-vessel revenue for finfish and shellfish totaled \$452 million in 2008, a 29% increase (3% in real terms) from landings revenue in 1999 (\$350 million), and an 10% increase over revenue generated in 2007 (\$410 million). New Jersey and Virginia fishermen generated most of the 2008 revenue with \$169 million and \$146 million, respectively. Shellfish revenue contributed 80% to total revenue in the Mid-Atlantic, totaling \$362 million in 2008. This was a 48% increase (19% in real terms) over 1999 totals (\$244 million) and a 18% increase (7% in real terms) over 2007 (\$307 million). Finfish revenue decreased from \$106 million in 1999 to \$90 million in 2008, a 16% decrease (33% in real terms) over this period. Finfish revenue also decreased from 2007 to 2008 by 14% (22% in real terms) from \$104 million to \$89.6 million.

Total revenue trends over the 10 year time period varied by state. Delaware experienced a 1% decrease (21% in real terms) in total revenue while total revenue increased in New Jersey (72%, 38% in real terms) and Virginia (34%, 8% in real terms) from 1999 to 2008. These increases were largely driven by increases in shellfish revenue. New Jersey shellfish revenue increased 108% (66% in real terms) and in Virginia, the revenue increased 74% (39% in real terms).

Total shellfish revenue decreased 31% (45% in real terms) in New York, but increased 24% (1% decrease in real terms) in Maryland. This mirrored declines in total revenue (shellfish and finfish) from 1999-2008. New York experienced a 23% (39% in real terms) decrease in total revenue, while Maryland's revenue increased 17% (7% decrease in real terms).

Sea scallop contributed more to the Mid-Atlantic's total revenue in 2008 than any other key species or group: \$166 million or 37% of total revenue. This was a 294% increase (215% in real terms) from 1999 sea scallop revenue (\$42 million) and a 13% increase (1.8% in real

terms) from 2007 (\$147 million). Striped bass (18% increase, 5% decrease in real terms), American lobster (74% decrease, 79% decrease in real terms), and squid (20% decrease, 36% decrease in real terms) also experienced large changes in revenue between 1999 and 2008.

In contrast to shellfish revenue, finfish revenue declined in current and real terms across the Mid-Atlantic: Virginia (16%, 33% in real terms), Delaware (43%, 55% in real terms), New York (2.8%, 22% in real terms), New Jersey (24%, 40% in real terms), and Maryland (14%, 32% in real terms).

At the state level, key species or groups with large changes in landings revenue between 1999 and 2008 include: striped bass (46% increase), spot (67% increase), weakfish (97% decrease), and American eel (71% decrease) in **Delaware**; sea scallop (14,000% increase), menhaden (41% increase), blue crab (34% increase), Eastern oyster (68% decrease), and white perch (20% decrease) in **Maryland**; sea scallop (530% increase), goosefish (49% decrease), quahog clam (14% decrease), Eastern oyster (62% increase), and 48% increase in blue crab in **New Jersey**; sea scallop (7,300% increase), Atlantic surf clam (157% increase), scups or porgies (140% increase), Eastern oyster (632% increase) and lobster (84% decrease) in **New York**; catfishes and bullhead (241%), sea scallop (139% increase), Atlantic croaker (50% increase), black sea bass (36% decrease), and menhaden (30% decrease) in **Virginia**.

Landings

Fishermen in the Mid-Atlantic landed over 678 million pounds of finfish and shellfish in 2008. This was a 10% decrease from the 753 million pounds landed in 1999, and a 8% decrease from the 738 million pounds landed in 2007. Finfish accounted for 70% of total landings (477 million pounds) in 2008, with a 13% decrease from 1999 (546 million pounds). From 2007 to 2008, finfish landings decreased 14%. Shellfish landings decreased 3% from 208 million pounds in 1999 to 201 million pounds in 2008. These landings increased 11% between 2007 and 2008.

Finfish landings between 1999 and 2008 decreased in all five states across the Mid-Atlantic. The largest decreases were in Delaware where landings decreased 77% and in New York which had a 36% decrease in landings. These decreases were followed by Maryland (34%), New Jersey (19%), and Virginia (9%).

Shellfish landings across the Mid-Atlantic Region mostly declined over the 10 year time period. Decreases occurred in New York (28%), Delaware (26%), and Virginia (22%). Increases in shellfish landings were seen in New Jersey (9%) and Maryland (5%).

Menhaden landings constituted the largest component of total landings with 361 million pounds landed in 2008. Menhaden accounted for 53% of total landings that year, a 13% decrease from 1999 (415 million pounds) but a 24% decrease from 2007 (472 million pounds). Fishermen in Virginia harvested the majority (354 million pounds) of menhaden, 98% of the total landed in 2008 (361 million pounds).

Of the Mid-Atlantic's key species and species groups, sea scallop (194%), squid (29%), and striped bass (6.7%) increased in total landings from 1999-2008. Decreases in landings totals were experienced for all other key species or groups with the largest decrease in Atlantic surf clam (84%), American lobster (80%), and Eastern oyster (59%) landings. Notably, landings totals in 2008 increased for squid (264%) Eastern oyster (55%), and quahog clam (25%), and blue crab (15%) relative to 2007 totals.

Commercial Fish Facts

Landings revenue

- On average, the key species and species groups accounted for 80.3% of total landings revenue in the Mid-Atlantic Region.
- Sea scallops contributed the most to landings revenue in the region, averaging \$116 million over the 10 year time period. In 2008, fishermen in New Jersey generated most of this revenue, contributing 55% of the \$166 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). Atlantic Surf Clam had the largest annual decrease in revenue, decreasing 83% from 2007-2008.

Landings

- Key species and species groups in the Mid-Atlantic Region contributed an average of 82% annually to total landings.
- Menhaden was a significant contributor to landings, averaging 420 million pounds or 58% of total landings from 1999-2008. Virginia fishermen harvested the majority of this species.
- Landings of squid increased 298% from 2003-2004, only to decrease 70% from 2004-2005. Although squid experienced the largest increase by any year to year comparison, the largest decrease in the region was experienced by Atlantic surf clam 84% from 2007 to 2008 in the region.

Prices

- Quahog clam (\$5.94 per pound), Eastern oyster (\$5.70), sea scallop (\$5.29), and American lobster (\$4.45) had the highest average ex-vessel prices between 1999 and 2008.
- Menhaden (\$0.06 per pound), Atlantic surf clam (\$0.56), and squid (\$0.61) had the lowest average ex-vessel prices from 1999 to 2008.
- Squid prices were variable over the 10 year time period, Squid increased 121% from 2004-2005, the largest annual increase. It then decreased 56% from 2007-2008, the largest annual decrease.

Prices

With the exception of squid, 2008 ex-vessel prices for the Mid-Atlantic's key species and species groups were higher than their 10 year average price per pound. Between 1999 and 2008, Eastern oyster (158%, 8.3% in real terms), blue crab (35%, 8.3% in real terms), sea scallop (34%, 7.2% in real terms), and American lobster (30%, 4.1% in real terms) experienced the largest increases in price per pound.

Squid and menhaden both experienced large decreases in price between 1999 and 2008 in current and real terms. Squid decreased 38% (50% in real terms) and menhaden decreased 25% (40% in real terms).

Relative to ex-vessel prices in 2007, prices for six of the ten key species and species groups decreased in 2008. Squid experienced the largest decrease (56%) followed by

American lobster (16%) and menhaden (14%). Quahog clams experienced the highest increase in price (45%).

At the state level, key species or groups with large changes in ex-vessel price from 1999-2008 include: spot (162%), American eel (95%), and weakfish (89%) all experienced increases while whelk experienced a 21% decrease in **Delaware**; Eastern oyster (214%), Atlantic croaker (97%), and white perch (78%) all experienced increases while clams and other bivalves experienced a 20% decrease in **Maryland**; American lobster and sea scallop both increased 30%, summer flounder and blue crab increased 42%, and sea scallop increased 30% in **New Jersey**; Eastern oyster (268%), softshell clam (94%), sea scallop (66%), and summer flounder (49%) all experienced increases in **New York**; and catfishes and bullhead (183%), black sea bass (119%), spot (69%) all experienced increases while menhaden was the only species to experience a large decrease (25%) in **Virginia**.

Recreational Fishing

There were over three million recreational fishermen who took a fishing trip in the Mid-Atlantic Region in 2008. Over 93% of these anglers were residents of a regional coastal county. Of the 21 million fishing trips taken in 2008, over 57% of them were taken from a private or rental boat. Atlantic croaker and summer flounder were the most frequently caught key species or species group with 19.5 million Atlantic croaker and 22 million summer flounder harvested or released in 2008. Together, these key species accounted for 45% of fish caught by anglers in the Mid-Atlantic.

Economic Impacts and Expenditures

Recreational fishing activities in New Jersey supported more jobs than any other state in the Mid-Atlantic with approximately 9,612 full- and part-time jobs supported in 2008. Maryland (7,244 jobs), New York (5,766 jobs), Virginia (5,564 jobs), and Delaware (1,462 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): 69% of jobs in Maryland; 72% of jobs in New York; 59% of jobs in Virginia; 65% 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 (1,230 jobs) and Delaware (359 jobs). Private or rental boat trips supported most of the trip-related jobs in Virginia (1,728 jobs), New Jersey (1,741 jobs), and New York (748 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 2008, in-state sales and value-added impacts were highest in New Jersey (\$1.6 billion in sales impacts; \$820 million in value-added impacts) and Maryland (\$1 billion; \$504 million). New York (\$875 million; \$457 million), Virginia (\$619 million; \$329 million), and Delaware (\$224 million; \$103 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.

Key Mid-Atlantic Recreational Species

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

Total fishing trip and durable equipment expenditures generated \$4.2 billion across the Mid-Atlantic in 2008. Approximately 77% of these expenditures were related to durable equipment purchases. Vehicle (\$1.1 billion), fishing tackle (\$896 million), and boat-related expenses (\$693 million) accounted for the majority of durable equipment expenditures. Expenditures by Mid-Atlantic residents related to fishing trips totaled \$589 million. Most of these purchases were related to fishing trips taken from a private or rental boat (63% of trip-related expenditures by residents). The region’s non-resident anglers generated \$346 million in trip-related expenditures with most of these expenses related to private or rental boat trips (48% of trip-related expenditures by non-residents).

Participation

Of the three million recreational fishermen from either a coastal or non-coastal county in the Mid-Atlantic Region¹, there was a 74% increase from 1999 (1.73 million anglers) and a 12% decrease from 2007 (3.4 million anglers). In 2008, 94% of total anglers who fished in the Mid-Atlantic were residents of a coastal county. The number of coastal county anglers in 2008 increased 77% relative to 1999 (1.6 million anglers) and decreased 12% relative to 2007 (3.23 million anglers). Non-coastal county angler participation increased 7% relative to 1999 (148,000 anglers) and decreased 6.5% relative to 2007 (212,000 anglers).

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 84% of total anglers in New York, 61% of anglers in New Jersey, 54% of anglers in Maryland, and 52% of anglers in Virginia. In contrast, the majority of anglers who fished in Delaware were out-of-state residents (58% of total anglers). Anglers from the Mid-Atlantic’s non-coastal counties² comprised a minority of total anglers in 2008: 2% of anglers in New Jersey, 3.3% of anglers in New York, 4.1% of total anglers in Maryland, and 9.9% of anglers in Virginia.

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* (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.

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

Fishing Trips

Anglers took 20.5 million fishing trips in 2008. This was a 46% increase from 1999 (14.1 million trips) and a 9.3% decrease from 2007 (22.7 million trips). In 2008, most fishing trips were taken from a private or rental boat: 11.7 million trips or 57% of total fishing trips taken in the Mid-Atlantic. Shore-based fishing trips were also popular with 7.9 million trips taken in 2007, followed by 940,000 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 (29% of total trips). In these states, private or rental boat trips was the most popular fishing mode: 53% of trips taken in New Jersey and 55% of trips taken in New York. This mode also accounted for the majority of trips taken in Virginia (69% of trips), Maryland (58% of total trips), and Delaware (52% of trips). Shore-based trips were the second most popular fishing mode in these states: 44% of trips in Delaware, 1% of trips in New Jersey, 40% of trips in New York, 38% of trips in Maryland, and 30% 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 frequently caught by anglers. In 2008, 19.6 million Atlantic croaker and 22 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 (69% of fish caught in the region) and most of the summer flounder were caught in New Jersey (46.4% of fish caught).

In 2008, only two of the Mid-Atlantic's key species or groups were harvested more often than released by anglers: spot (61% harvested) and winter flounder (65% harvested). Summer flounder (92% released), black sea bass (92% released), and striped bass (77% released) were examples of key species or groups with a larger percentage of fish released rather than harvested.

Most of the Mid-Atlantic's key species and groups experienced large changes in catch totals between 1999 and 2008. Scup (290%), spot (468%), bluefish (82.5%), and black sea bass (46.8%) all experienced large increases in recreational catch. Only weakfish and winter flounder showed decreases in total recreational catch with 49% and 87% decreases, respectively.

Between 2007 and 2008, large changes in catch totals were observed for scup (40% increase), winter flounder (57% decrease), and weakfish (49% increase). There was a 27% decrease in striped bass caught, a 18% decline in tautog, and a 14% decrease in spot caught.

At the state level, summer flounder was the most frequently caught key species or species group in 2007 with 10.2 million fish caught in New Jersey, 6.7 million fish caught in New York, and 750,000 fish caught in Delaware. Atlantic croaker was the key species most often caught by

recreational fishermen in Virginia with 13.5 million fish caught in 2008. In Maryland, anglers caught 5 million white perch, the key species most commonly caught in this state.

Recreational Fishing Facts

Participation

- In the Mid-Atlantic, an average of 2.6 million anglers fished annually from 1999 to 2008. Most of these anglers fished in Maryland and New Jersey.
- The region's coastal county residents made up 94% of total anglers in 2008. These anglers averaged 93% of total anglers annually from 1999-2008.
- 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 19.5 million fishing trips were taken annually in the Mid-Atlantic between 1999 and 2008. Most of these trips were taken in New Jersey and New York.
- Private or rental boat trips accounted for 11.7 million fishing trips in 2008. This mode of fishing trip made up 57% of trips taken that year.
- The largest annual increase 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. Although all modes of fishing show decreases from 2007-2008, the for-hire mode had the largest decrease (33%).

Harvest and release

- The most commonly caught key species or species group in the Mid-Atlantic were summer flounder (22 million) and Atlantic croaker(19.6 million). Anglers caught an average of 20 million of each fish annually from 1999-2008. 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 (77% released), summer flounder (92%), and black sea bass (92%) are examples.
- Key species or groups more often harvested by anglers were spot (61% harvested) and winter flounder (65%).
- Scup had the largest annual increase in catch, increasing 233% from 1999-2000. Tautog had the largest annual decrease in catch (63%) from 2002-2003.

Marine Economy³

The Mid-Atlantic's gross domestic product by state was 2.3 trillion in 2007. Employee compensation totaled 1.31 trillion and annual payroll totaled 868 billion. These economic measures in the gross domestic product of the Mid-Atlantic increased 60% (22% in real terms), 31% (10% in real terms) in employee compensation, and 57% (31% in real terms) in annual payroll. There were 1.1 million establishments which employed approximately 17 million employees across the region in 2007. This was a 9.3% increase in establishments, and a 11% increase in numbers of employees between 1998 and 2007. A small increase of 0.7% and 0.3% respectively occurred between 2006 to 2007.

In 2007, New York continued to report the highest number of establishment, the highest employee numbers, annual payroll, employee compensation, and gross state product

³Data for 2008 were unavailable for this report therefore 2007 information are reported in this section.

levels in the Mid-Atlantic region. It employed 7.5 million workers in 520,000 establishments. The gross state product in New York was 1.1 trillion followed by New Jersey (461 billion), then Virginia (384 billion), Maryland (264 billion) and Delaware (62 billion).

Among the Mid-Atlantic states where data was available, New Jersey had the highest commercial fishing location quotient (CFLQ)⁴ at 0.90 in 2007. This was a 1.1% increase from 2006. The 0.90 CFLQ number from New Jersey in 2007 would suggest that the level of employment in commercial fishing-related industries is lower than the level of employment in these industries nationwide. Across the Mid Atlantic, the CFLQ was lower than the national baseline of 1.00: 0.74 in Maryland, 0.55 in Virginia, 0.11 in New York.

Seafood Sales and Processing

In 2007 there were 211 non employer firms engaged in seafood product preparation and packaging totaling \$14.7 million in annual receipts. This was a 115% increase in non-employer firms and 75% increase (55% in real terms) in annual receipts relative to the 1999 levels. In 2007, New York had the most firms, followed by Virginia and Maryland. Virginia reported the largest increases in the industry with a 467% increase (402% in real terms) in annual receipts and 343% increase in firms.

Employer establishments engaged in seafood product preparation and packaging totaled 84 in 2007. These establishments employed approximately a total of 3,170 full and part-time workers and generated 104 million in annual payroll. Region-wide there was a 21% decrease in establishments engaged in this industry between 1999 and 2007, a 16% decrease in employees and 19% increase in annual payroll totals.

At the state level, the largest number of the seafood product preparation and packaging establishments were located in Virginia with 30 establishments in 2007 (decrease of 9% since 2006). Maryland continued to employ the most people with approximately 1300 employees whereas Virginia only employed 960 people. Virginia had a slightly higher payroll 34,500 compared to 32,300 in Maryland. In Virginia there was a 29% decrease in establishments and a 37% decrease in employees. Annual Payroll in Maryland jumped up 41% (29% in real terms) from 1999.

The Mid-Atlantic's seafood wholesale annual payroll totals increased 32% (17% in real terms) from 1999-2007 to approximately \$202 million in 2007. However, with continued increases in annual payroll, establishments decreased by 14% and employment decreased by 9.1%, although there were increases in relation to 2006 levels at 11% and 10%, respectively. These effects were mimicked at the state level. Delaware experienced the largest decrease in number of establishments at 40% decrease, followed by Maryland at 33% decrease and a 23% decrease in Virginia. Maryland experienced the largest increase in annual payroll with a 108% (84% in real terms) from 1999-2007.

In 2007 there were 551 seafood retail nonemployer firms with total annual receipts of \$53 million across the Mid-Atlantic Region. This was a 6% increase in firms region-wide from 1999 to 2007. Delaware experienced a 200% increase from 1999 and the number of firms in Maryland increased by 39%. Annual receipts increased the most in comparison to 1997 numbers in Delaware (82%, 62% in real terms), Virginia (54%, 37% in real terms) and Maryland (53%, 36% in real terms). New York stood out with a 20% decrease (29% in real terms) in annual receipts. The majority, 46 % of these firms were located in New York.

Employer establishments engaged in the seafood retail increased 26% across the Mid-Atlantic to 690 establishments in 2007. From 2006 to 2007 establishments decreased by 14 establishments. Fifty-four percent of the establishments were located in New York. Across the Mid-Atlantic Region there were approximately 2,770 employees with an annual payroll of \$62 million in 2007. From 1999 to 2007 employee numbers increased 44% and annual payroll increased 86% (65% in real terms). Delaware had the largest increase in payroll (167%, 136% in real terms); with Maryland (90%, 68% in real terms) having the second largest increase in payroll Delaware had the largest increase in establishments (73%) and employees (64%).

Transport, Support, and Marine Operations⁵

Marina industries had the highest number of establishments in this industry sector with 953 establishments in 2007. This was a 2% increase from the number of establishments in 1999. The majority of the marina establishments were located in New York, New Jersey and Virginia. From 1999 to 2007, the number of establishments rose 6% in both New York and Virginia and 42% in Delaware.

In marina industries there was a 20% increase in employment in Maryland and 23% increase in NY from 1999 to 2007. There was a 72% increase (53% in real terms) from 1999 to 2007 in payroll in Maryland, a 59% increase in New York (41% in real terms), and a 147% increase (119% in real terms) region-wide from 1999 to 2007.

Region-wide ship and boat building establishments increased 33% in Maryland to 48 between 1999 and 2007. The number of ship and boat building employees decreased in New Jersey, Virginia, and Delaware, with a 2% decrease region-wide in establishments. The number of employees decreased in Maryland (54%) and New York (24%), and payroll decreased 48% (54% in real terms) in Maryland but increased 38% (22% in real terms) in New Jersey. At the Mid-Atlantic level, ship and boat building employee determinations cannot be reported.

Other industries with large to modest changes from 1999 to 2007 were coastal and Great Lakes freight transportation (200% increase in establishments in Delaware, 30% decrease in New York, and 21% increase in

⁴The CFLQ for the U.S. is 1.0. This provides a national baseline from which state CFLQs can be compared.

⁵Due to confidentiality restrictions, much of the data on this sector are unavailable.

New Jersey). Establishments in Maryland also decreased 11% from 1999-2007. Across the region there was a 100% increase in deep sea passenger establishments since 1999. Port and harbor operations establishments increased in all Mid-Atlantic states. The biggest increases occurred in Maryland (100%) and New York (67%) with a region-wide increase of 50%. There was a region-wide decrease of 16% in marine cargo establishments with the largest decreases in New York (40%) and Delaware (50%). Navigational services to shipping establishments increased 9% overall with a 53% increase in New York, a 38% increase in Virginia and a 38% decrease in Maryland.

2008 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	6,713	54,497	28,587	1,134
Maryland	73,505	188,069	92,588	1,938
New Jersey	168,676	2,170,232	1,169,681	40,061
New York	57,231	1,978,974	1,053,448	41,517
Virginia	145,552	1,369,390	762,559	30,734

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Revenue	350,661	347,357	348,231	342,397	357,210	407,793	440,398	362,198	410,361	451,817
Finfish & Other	106,459	98,479	90,643	84,091	87,702	88,003	101,874	95,516	103,761	89,595
Shellfish	244,202	248,878	257,589	258,306	269,508	319,790	338,524	266,683	306,600	362,222
Bass, Striped	8,469	9,238	8,616	8,215	9,751	7,671	11,332	10,045	11,122	10,024
Clam, Atlantic Surf	27,574	34,973	34,211	34,692	35,366	26,760	27,084	29,580	32,479	5,670
Clam, Quahog	29,278	27,655	22,744	16,935	20,160	19,918	20,773	20,229	20,448	35,024
Crab, Blue	75,568	66,278	70,871	61,660	60,799	69,364	71,073	55,638	65,848	84,355
Flounder, Summer	7,952	7,769	7,078	8,700	10,678	13,094	13,810	12,365	10,320	9,650
Lobster, American	28,629	15,250	9,828	6,273	5,569	5,615	6,696	9,116	8,368	7,443
Menhaden	33,125	30,041	27,783	24,123	24,352	25,570	28,188	24,466	29,910	21,955
Oyster, Eastern	10,042	9,949	8,587	9,814	8,903	5,663	6,703	6,485	7,154	10,785
Scallop, Sea	42,104	66,135	75,275	91,237	111,969	160,847	181,299	120,140	147,059	165,774
Squid	14,918	13,189	9,904	9,287	6,497	14,302	9,169	7,727	7,446	11,925

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	753,212	715,376	835,425	702,234	710,738	757,468	709,023	667,314	738,109	678,113
Finfish & Other	545,711	511,997	631,288	496,430	514,804	529,762	518,166	488,018	556,492	477,100
Shellfish	207,501	203,379	204,137	205,804	195,934	227,707	190,857	179,297	181,617	201,013
Bass, Striped	4,956	5,602	4,930	4,591	5,273	3,945	5,708	4,788	5,526	5,287
Clam, Atlantic Surf	54,178	63,614	60,421	62,134	64,601	50,984	50,921	50,556	53,952	8,753
Clam, Quahog	5,263	4,560	3,857	2,318	3,311	3,537	3,735	3,728	4,085	5,111
Crab, Blue	78,715	62,360	61,045	63,076	56,047	68,979	70,983	61,873	56,357	64,752
Flounder, Summer	4,922	4,879	5,164	6,433	7,315	8,337	8,564	6,609	4,502	4,256
Lobster, American	7,390	3,775	2,633	1,705	1,181	1,386	1,585	1,772	1,397	1,477
Menhaden	415,006	403,599	518,487	394,606	398,744	421,309	412,672	400,784	471,555	360,669
Oyster, Eastern	3,266	2,883	2,217	1,713	1,493	859	1,202	984	877	1,355
Scallop, Sea	8,341	14,258	21,160	24,887	28,213	33,411	24,520	18,282	22,919	24,488
Squid	24,333	28,238	15,465	15,187	10,462	41,622	12,279	9,744	8,609	31,305

Average Annual Price for Key Species / Species Groups

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	1.71	1.65	1.75	1.79	1.85	1.94	1.99	2.10	2.01	1.90
Clam, Atlantic Surf	0.51	0.55	0.57	0.56	0.55	0.52	0.53	0.59	0.60	0.65
Clam, Quahog	5.56	6.06	5.90	7.31	6.09	5.63	5.56	5.43	5.01	6.85
Crab, Blue	0.96	1.06	1.16	0.98	1.08	1.01	1.00	0.90	1.17	1.30
Flounder, Summer	1.62	1.59	1.37	1.35	1.46	1.57	1.61	1.87	2.29	2.27
Lobster, American	3.87	4.04	3.73	3.68	4.71	4.05	4.22	5.15	5.99	5.04
Menhaden	0.08	0.07	0.05	0.06	0.06	0.06	0.07	0.06	0.06	0.06
Oyster, Eastern	3.08	3.45	3.87	5.73	5.96	6.59	5.58	6.59	8.16	7.96
Scallop, Sea	5.05	4.64	3.56	3.67	3.97	4.81	7.39	6.57	6.42	6.77
Squid	0.61	0.47	0.64	0.61	0.62	0.34	0.75	0.79	0.86	0.38

2008 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

	Trips	Jobs	Total Sales	Value Added
Delaware	1,067,207	1,462	223,519	102,547
Maryland	3,393,182	7,244	999,402	504,410
New Jersey	6,759,578	9,612	1,592,965	820,098
New York	5,953,648	5,766	875,449	457,202
Virginia	3,425,307	5,564	618,884	328,723

2008 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	44,273	57,709	Fishing Tackle	895,572
Private Boat	165,285	374,840	Other Equipment	253,722
Shore	136,199	166,434	Boat Expenses	693,106
Total Trip Expenditures	345,757	598,983	Vehicle Expenses	1,133,793
			Second Home Expenses	245,526
			Total Durable Equipment Expenditures	3,221,720
Total State Trip and Durable Equipment Expenditures				4,166,460

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	1,591	1,944	2,290	1,643	2,229	2,363	3,002	2,876	3,234	2,823
Non-Coastal	148	148	190	139	144	157	252	224	212	197
Out-of-State	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹
Total Anglers	1,739	2,091	2,480	1,783	2,372	2,520	3,254	3,100	3,446	3,020

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	910	1,134	1,323	1,024	1,182	1,323	1,152	1,339	1,399	940
Private Boat	7,935	11,324	11,982	9,551	11,286	11,084	11,730	12,123	12,551	11,710
Shore	5,259	6,993	7,901	6,071	7,383	6,327	7,935	7,895	8,768	7,949
Total Trips	14,105	19,451	21,206	16,646	19,852	18,734	20,817	21,357	22,718	20,599

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

Species/Groups		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	H	1,008	1,554	1,475	1,252	1,662	1,574	1,503	1,994	1,512	1,432
	R	5,815	6,677	5,464	5,053	7,802	8,474	8,009	9,511	7,114	4,838
Bluefish	H	1,904	2,580	3,227	2,518	3,193	4,274	5,176	4,037	4,556	3,837
	R	4,135	6,311	6,519	4,579	4,196	5,793	7,121	5,513	7,736	7,187
Drum (Atlantic Croaker)	H	8,111	9,702	12,145	10,868	9,349	9,830	10,790	9,464	9,602	8,039
	R	10,031	14,162	9,811	10,361	9,425	7,928	11,136	8,059	12,331	11,522
Drum (Spot)	H	1,244	2,763	2,196	2,314	4,772	3,725	5,245	6,347	10,694	7,724
	R	975	1,788	1,562	1,016	1,657	1,591	4,163	2,587	3,933	4,879
Drum (Weakfish) ²	H	1,396	1,876	1,315	918	308	331	1,125	497	276	336
	R	2,531	4,284	2,732	1,689	1,363	1,387	1,906	1,877	1,079	1,687
Flounder, Summer	H	3,048	5,869	4,393	2,633	3,922	3,598	3,303	3,393	2,792	1,768
	R	16,109	15,773	21,881	11,852	14,902	15,235	21,311	15,419	18,489	20,260
Flounder, Winter	H	511	1,317	795	362	541	331	196	248	209	75
	R	346	678	475	266	183	85	264	288	57	40
Porgies (Scup)	H	1,129	3,309	2,058	1,187	5,271	1,713	821	1,528	1,715	1,753
	R	312	1,491	1,983	1,551	2,379	2,857	1,839	3,145	2,296	3,861
Sea Bass, Black	H	1,275	3,330	2,636	3,057	3,033	1,590	1,060	1,317	1,515	817
	R	5,401	12,381	10,519	10,328	8,381	5,668	5,405	5,966	7,534	8,981
Wrasses (Tautog)	H	520	710	617	1,231	384	832	376	721	808	630
	R	1,908	1,493	1,694	2,534	1,010	1,648	1,221	2,239	2,472	2,057

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

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

2008 Economic Impacts of Delaware Seafood Industry (*thousands of dollars*)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	54,497	28,587	1,134
Commercial Harvesters	13,100	4,549	243
Seafood Processors & Dealers	4,835	2,584	56
Seafood Wholesalers & Distributors	6,869	3,500	63
Retail Sector	29,693	17,953	772

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Revenue	6,800	6,833	7,660	6,067	5,204	5,234	6,113	5,692	7,894	6,713
Finfish & Other	1,617	1,379	1,080	986	1,465	1,121	1,273	1,330	1,306	916
Shellfish	5,183	5,454	6,580	5,081	3,739	4,113	4,840	4,361	6,588	5,796
Bass, Striped	271	245	365	336	479	497	494	507	430	397
Clam, Quahog	215	243	233	392	435	175	220	193	ND ¹	ND ¹
Crab, Blue	4,599	5,086	5,140	3,511	1,899	2,839	3,429	2,961	5,329	4,605
Eel, American	182	192	126	118	230	167	100	275	315	52
Oyster, Eastern	ND ¹	ND ¹	172	478	305	361	485	459	490	410
Scallop, Sea	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	7	102	121	ND ¹	256
Sea Bass, Black	ND ¹	142	42	21	181	48	157	190	201	159
Spot	24	17	51	8	46	38	98	58	100	40
Weakfish	352	318	133	176	83	61	82	56	36	10
Whelks	330	113	1,015	694	1,079	690	562	601	ND ¹	351

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	8,372	6,741	7,140	5,857	5,018	4,208	4,851	4,380	5,326	4,598
Finfish & Other	3,129	2,497	2,078	1,933	2,264	1,279	1,470	1,156	1,095	711
Shellfish	5,243	4,244	5,062	3,925	2,754	2,929	3,381	3,224	4,231	3,887
Bass, Striped	176	145	199	146	191	176	174	184	189	183
Clam, Quahog	70	76	64	134	141	54	69	60	ND ¹	ND ¹
Crab, Blue	4,993	4,092	4,085	3,062	1,792	2,276	2,924	2,856	3,799	3,508
Eel, American	129	119	121	90	156	137	110	120	140	19
Oyster, Eastern	ND ¹	ND ¹	78	133	76	79	84	75	80	67
Scallop, Sea	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	1	13	20	ND ¹	38
Sea Bass, Black	ND ¹	94	25	12	98	20	73	87	73	56
Spot	52	32	78	14	77	59	155	63	128	33
Weakfish	440	329	188	173	91	51	71	34	25	7
Whelks	162	65	828	590	729	491	276	203	ND ¹	217

Average Annual Price for Key Species / Species Groups

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	1.53	1.69	1.84	2.30	2.50	2.82	2.84	2.75	2.28	2.17
Clam, Quahog	3.07	3.21	3.67	2.92	3.09	3.26	3.18	3.22	ND ¹	ND ¹
Crab, Blue	0.92	1.24	1.26	1.15	1.06	1.25	1.17	1.04	1.40	1.31
Eel, American	1.41	1.61	1.04	1.31	1.48	1.22	0.91	2.28	2.26	2.75
Oyster, Eastern	ND ¹	ND ¹	2.21	3.60	4.00	4.57	5.76	6.10	6.14	6.09
Scallop, Sea	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	5.05	8.08	6.19	ND ¹	6.81
Sea Bass, Black	ND ¹	1.52	1.66	1.69	1.86	2.35	2.15	2.18	2.76	2.83
Spot	0.47	0.52	0.66	0.59	0.60	0.65	0.63	0.92	0.78	1.23
Weakfish	0.80	0.97	0.71	1.02	0.91	1.18	1.16	1.63	1.47	1.51
Whelks	2.04	1.73	1.23	1.18	1.48	1.41	2.04	2.96	ND ¹	1.62

¹ND = these data are confidential thus not disclosable.

2008 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
For-Hire	75	7,091	4,054
Private Boat	283	33,320	16,610
Shore Mode	359	34,462	18,302
Total Durable Equipment Impacts	746	148,646	63,579
Total State Trip and Durable Equipment Economic Impacts	1,462	223,519	102,547

2008 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	3,696	1,439	Fishing Tackle	38,624
Private Boat	16,933	12,590	Other Equipment	11,901
Shore	21,965	8,526	Boat Expenses	12,398
Total Trip Expenditures	42,594	22,555	Vehicle Expenses	109,351
			Second Home Expenses	8,026
			Total Durable Equipment Expenditures	180,301
Total State Trip and Durable Equipment Expenditures				245,450

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	69	82	107	89	127	116	120	137	150	134
Non-Coastal	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹
Out of State	168	201	226	177	199	243	191	205	224	182
Total Anglers	237	283	333	266	326	359	311	342	374	315

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	43	42	71	63	38	65	48	42	53	46
Private Boat	383	606	672	535	552	679	568	671	731	553
Shore	375	448	436	429	514	434	459	465	512	468
Total Trips	800	1,096	1,180	1,028	1,104	1,177	1,074	1,179	1,296	1,067

Harvest (H) and Release (R) of Key Species / Species Groups (number of fish in thousands)²

Species/Groups		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	H	9	40	41	29	30	25	20	19	10	17
	R	106	152	163	115	169	151	225	246	251	261
Bluefish	H	84	132	102	117	89	136	152	96	172	82
	R	323	303	221	435	120	322	217	322	479	246
Drum (Atlantic Croaker)	H	663	518	312	262	341	494	934	863	401	349
	R	1,017	695	285	361	655	483	761	1,034	618	609
Drum (Weakfish) ³	H	224	312	72	122	20	7	19	11	4	4
	R	372	465	227	101	39	79	111	121	19	61
Flounder, Summer	H	181	336	146	107	106	124	91	110	118	33
	R	433	797	1,051	498	415	850	841	534	1,096	722
Mackerel, Atlantic	H	(1)	1	23	6	(1)	7	(1)	(1)	(1)	(1)
	R	(1)	(1)	1	1	(1)	(1)	(1)	(1)	(1)	(1)
Perch, White	H	107	48	44	40	30	63	43	65	27	55
	R	312	140	117	72	134	187	116	147	143	162
Sea bass, Black	H	41	151	203	607	307	106	62	128	76	25
	R	213	820	1,003	1,233	832	448	250	460	544	477
Tuna, Yellowfin	H	(1)	6	16	10	2	1	3	2	(1)	1
	R	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wrasses (Tautog)	H	95	114	51	186	63	143	72	117	89	122
	R	202	324	209	412	167	263	251	216	267	206

¹All Delaware residents are considered coastal county residents thus this category is not applicable (NA).

²In this table, "1" = 1000-1499 fish were harvested or released and "(1)" = 0-999 fish were harvested or released.

³This 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) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	22,871 (0.3%)	354,643 (0.3%)	11,831 (0.4%)	19,738 (0.3%)	36,831 (0.4%)	ND
2007	25,521 (0.3%)	396,317 (0.3%)	18,608 (0.4%)	25,851 (0.3%)	61,545 (0.4%)	ND
% change	11.6%	11.8%	57.3%	30.9%	67.1%	--

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	NA ³	NA	NA	NA	NA	NA	3	3	NA
	Receipts	NA	NA	ND ⁴	ND	ND	ND	64	214	ND
Seafood Sales, retail	Firms	4	0	5	5	7	9	12	9	12
	Receipts	562	ND	214	435	959	803	1,523	835	1,025

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
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	5	4	5	7	5	2	3	3	3
	Employees	ND	ND	ND	65	ND	ND	ND	9	ND
	Payroll	ND	ND	ND	2,279	ND	ND	ND	337	ND
Seafood sales, retail	Establishments	11	13	12	15	18	16	14	17	19
	Employees	64	ND	65	94	ND	144	138	135	105
	Payroll	1,123	ND	1,243	1,779	ND	3,363	3,264	3,133	2,997

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	1	1	4	8	5	3	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	3	3	3	2	2	1	1	NA	NA
	Employees	ND	ND	ND	ND	ND	ND	ND	NA	NA
	Payroll	ND	ND	ND	ND	ND	ND	ND	NA	NA
Deep sea passenger transportation	Establishments	1	1	1	1	NA	NA	1	NA	NA
	Employees	ND	ND	ND	ND	NA	NA	ND	NA	NA
	Payroll	ND	ND	ND	ND	NA	NA	ND	NA	NA
Marinas	Establishments	12	14	12	13	17	17	16	18	17
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	88
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	2,540
Marine cargo handling	Establishments	6	6	5	6	5	5	4	4	3
	Employees	ND	272	257	199	513	ND	ND	597	527
	Payroll	ND	4,570	4,482	14,718	14,879	ND	ND	18,812	19,027
Navigational services to shipping	Establishments	9	8	10	10	10	9	9	8	8
	Employees	ND	ND	ND	ND	ND	ND	ND	75	76
	Payroll	ND	ND	ND	ND	ND	ND	ND	4,783	4,961
Port & harbor operations	Establishments	NA	NA	NA	NA	1	2	2	3	2
	Employees	NA	NA	NA	NA	ND	ND	ND	ND	ND
	Payroll	NA	NA	NA	NA	ND	ND	ND	ND	ND
Ship & boat building	Establishments	4	4	3	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

¹Employee Compensation data for 1998 were not available. Data from 2001 are reported here.²The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.³NA = Data are not available.⁴ND = Data are suppressed due to confidentiality restrictions.

2008 Economic Impacts of the Maryland Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	615,041	308,414	10,946
Commercial Harvesters	118,079	40,656	2,436
Seafood Processors and Dealers	94,620	40,783	1,018
Seafood Wholesalers and Distributors	151,863	76,189	1,358
Retail Sectors	250,479	150,786	6,134

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Revenue	62,927	53,874	55,591	49,013	49,038	49,294	63,670	53,581	58,681	73,505
Finfish & Other	11,278	10,010	8,574	8,135	8,095	4,763	10,718	9,897	11,925	9,660
Shellfish	51,649	43,864	47,017	40,878	40,943	44,531	52,952	43,685	46,756	63,845
Bass, Striped	3,886	4,216	3,418	3,759	3,916	1,576	4,234	4,591	5,331	4,630
Clams or Bivalves	5,221	5,094	8,073	8,002	5,170	2,579	4,784	4,889	5,074	5,436
Crab, Blue	38,859	30,843	34,681	30,338	34,532	39,104	39,962	31,141	38,462	52,240
Croaker, Atlantic	482	569	676	512	576	751	543	440	339	441
Flounder, Summer	ND ¹	ND ¹	ND ¹	ND ¹	527	ND ¹	673	549	ND ¹	526
Menhaden	463	523	382	423	337	232	1,514	609	1,371	653
Oyster, Eastern	7,111	7,192	3,789	2,172	706	181	3,435	1,238	ND ¹	2,277
Perch, White	763	941	801	559	556	347	848	569	516	610
Scallop, Sea	24	108	108	96	ND ¹	418	4,513	6,200	2,809	3,423
Sea Bass, Black	681	475	244	436	555	ND ¹	706	811	ND ¹	ND ¹

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	66,419	48,913	55,539	53,185	49,350	49,557	67,460	51,227	58,068	61,372
Finfish & Other	21,666	16,164	16,089	15,275	13,468	8,103	24,977	12,720	21,175	14,297
Shellfish	44,754	32,749	39,450	37,909	35,882	41,454	42,483	38,507	36,892	47,075
Bass, Striped	2,430	2,705	2,049	2,085	2,193	897	2,339	2,485	2,639	2,300
Clams or Bivalves	6,644	7,111	11,911	10,663	7,527	3,676	6,112	7,756	7,947	8,600
Crab, Blue	35,371	22,847	25,933	26,481	27,816	33,826	34,914	29,446	28,004	37,118
Croaker, Atlantic	1,584	1,502	2,233	1,513	1,532	1,801	1,389	877	579	753
Flounder, Summer	ND ¹	ND ¹	ND ¹	ND ¹	329	ND ¹	333	248	ND ¹	199
Menhaden	5,721	4,871	4,619	4,850	4,232	3,336	15,806	5,263	13,675	6,956
Oyster, Eastern	2,440	2,368	1,274	567	159	43	738	274	ND ¹	249
Perch, White	1,516	1,921	1,947	1,583	1,477	453	1,524	688	837	688
Scallop, Sea	4	21	28	27	ND ¹	93	584	931	450	524
Sea Bass, Black	439	305	150	280	313	ND ¹	330	350	ND ¹	ND ¹

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	1.60	1.56	1.67	1.80	1.79	1.76	1.81	1.85	2.02	2.01
Clams or Bivalves	0.79	0.72	0.68	0.75	0.69	0.70	0.78	0.63	0.64	0.63
Crab, Blue	1.10	1.35	1.34	1.15	1.24	1.16	1.14	1.06	1.37	1.41
Croaker, Atlantic	0.30	0.38	0.30	0.34	0.38	0.42	0.39	0.50	0.59	0.59
Flounder, Summer	ND ¹	ND ¹	ND ¹	ND ¹	1.60	ND ¹	2.02	2.22	ND ¹	2.64
Menhaden	0.08	0.11	0.08	0.09	0.08	0.07	0.10	0.12	0.10	0.09
Oyster, Eastern	2.91	3.04	2.97	3.83	4.45	4.23	4.66	4.52	ND ¹	9.13
Perch, White	0.50	0.49	0.41	0.35	0.38	0.77	0.56	0.83	0.62	0.89
Scallop, Sea	6.61	5.10	3.81	3.52	ND ¹	4.48	7.72	6.66	6.25	6.54
Sea Bass, Black	1.55	1.56	1.62	1.56	1.77	ND ¹	2.14	2.31	ND ¹	ND ¹

¹ND = these data are confidential thus not disclosable.

2008 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
For-Hire	300	26,021	15,296
Private Boat	707	76,154	46,434
Shore	1,230	113,886	67,174
Total Durable Equipment Impacts	5,008	783,341	375,506
Total State Trip and Durable Equipment Economic Impacts	7,244	999,402	504,410

2008 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	7,869	9,683	Fishing Tackle	199,973
Private Boat	23,682	49,583	Other Equipment	48,648
Shore	64,409	30,466	Boat Expenses	106,616
Total Trip Expenditures	95,961	89,733	Vehicle Expenses	405,970
			Second Home Expenses	93,940
			Total Durable Equipment Expenditures	855,145
Total State Trip and Durable Equipment Expenditures				1,040,839

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	383	461	565	430	526	442	620	733	850	643
Non-Coastal	41	51	50	41	53	39	49	84	78	50
Out of State	349	481	426	330	418	333	425	447	528	507
Total Anglers	773	994	1,041	801	997	815	1,095	1,264	1,456	1,200

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	126	204	174	182	187	264	181	235	219	142
Private / Rental	1,413	2,204	2,340	1,596	2,033	1,499	1,933	1,980	2,440	1,965
Shore	1,343	1,442	1,275	1,059	1,110	881	1,066	1,374	1,387	1,286
Total Trips	2,883	3,851	3,790	2,837	3,330	2,645	3,180	3,589	4,045	3,393

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

Species/Groups		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	H	263	506	383	282	525	380	490	649	679	442
	R	2,388	3,245	2,890	2,929	4,653	3,739	3,753	3,896	2,998	1,406
Bluefish	H	167	344	429	199	214	373	240	509	705	660
	R	605	1,150	1,074	577	518	683	344	850	1,381	1,855
Drum (Atlantic Croaker)	H	1,210	2,675	1,320	1,223	1,620	871	810	833	1,093	689
	R	2,484	4,968	1,586	2,523	1,393	819	951	1,792	1,631	2,069
Drum (Spot)	H	655	1,390	1,089	691	3,301	1,375	2,007	2,645	3,843	2,297
	R	619	1,080	577	501	670	577	2,186	1,467	1,422	2,040
Drum (Weakfish) ²	H	340	475	303	100	41	30	22	(1)	10	3
	R	753	1,209	737	286	181	132	55	57	106	30
Flounder, Summer	H	227	258	139	69	41	66	85	58	157	90
	R	1,012	1,513	1,245	383	373	952	433	511	1,626	1,306
Perch, White	H	838	1,611	565	1,156	2,020	1,441	2,436	2,558	2,990	1,418
	R	2,098	3,721	1,583	1,754	3,698	3,035	5,394	4,331	5,101	3,557
Sea bass, Black	H	160	434	119	337	241	158	81	104	53	34
	R	1,487	3,224	2,324	925	773	618	784	799	1,331	1,128
Tuna, Yellowfin	H	8	9	26	18	26	4	11	21	7	(1)
	R	1	(1)	2	(1)	(1)	(1)	2	(1)	1	(1)
Wrasses (Tautog)	H	20	20	24	42	14	14	40	14	107	24
	R	183	128	138	295	96	36	255	211	390	335

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	Employee	Gross State	Commercial
1998	126,577 (1.8%)	1,938,727 (1.8%)	59,818 (1.8%)	119,732 (2.0%)	161,954 (1.9%)	0.74
2007	141,332 (1.8%)	2,239,181 (1.9%)	99,468 (2.0%)	163,612 (2.0%)	264,426 (1.9%)	0.74
% change	11.7%	15.5%	66.3%	36.6%	63.2%	0%

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	25	28	25	50	47	51	57	55	56
	Receipts	2,027	1,325	1,997	3,199	2,487	2,301	2,727	2,751	3,940
Seafood Sales, retail	Firms	71	71	62	79	78	70	78	73	99
	Receipts	6,856	7,012	5,904	8,629	6,771	10,100	6,976	7,755	10,493

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	27	27	26	24	23	23	23	19	22
	Employees	967	894	889	807	762	895	1,141	1,053	1,296
	Payroll	22,947	22,309	23,686	20,618	20,399	23,039	24,986	28,852	32,386
Seafood sales, wholesale	Establishments	93	92	94	77	63	58	59	59	62
	Employees	950	903	913	870	686	733	709	694	978
	Payroll	24,214	26,940	28,847	33,072	27,934	29,813	30,148	32,943	50,353
Seafood sales, retail	Establishments	65	71	78	88	97	96	95	97	102
	Employees	399	474	475	488	459	579	576	617	613
	Payroll	7,786	8,309	8,853	10,033	10,634	12,328	13,019	14,190	14,777

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	9	9	10	8	9	11	10	10	8
	Employees	ND ³	155	178	ND	ND	ND	ND	ND	ND
	Payroll	ND	7,372	7,969	ND	ND	ND	ND	ND	ND
Deep sea freight transportation	Establishments	12	12	12	14	16	15	16	14	14
	Employees	ND	ND	ND	123	ND	281	316	ND	244
	Payroll	ND	ND	ND	9,216	ND	18,983	14,131	ND	14,905
Deep sea passenger transportation	Establishments	NA ⁴	1	1	4	3	2	1	1	1
	Employees	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	NA	ND	ND	ND	ND	ND	ND	ND	ND
Marinas	Establishments	196	187	185	188	180	183	185	179	183
	Employees	1,103	1,172	1,240	1,232	1,296	1,321	1,228	1,260	1,326
	Payroll	28,289	30,207	32,088	33,621	34,024	36,598	36,590	40,866	48,752
Marine cargo handling	Establishments	14	13	15	16	14	11	12	13	15
	Employees	1,794	1,751	1,505	1,487	1,862	1,725	1,639	1,659	1,791
	Payroll	60,105	60,915	63,172	66,525	69,084	75,911	81,219	73,367	85,328
Navigational services to shipping	Establishments	13	12	13	13	11	8	9	9	8
	Employees	311	ND	275	ND	195	ND	ND	ND	157
	Payroll	13,125	ND	18,710	ND	38,619	ND	ND	ND	4,882
Port & harbor operations	Establishments	4	4	4	7	8	10	11	11	8
	Employees	236	ND	319	259	376	479	ND	ND	323
	Payroll	8,708	ND	9,545	11,655	16,099	19,218	ND	ND	13,427
Ship & boat building	Establishments	36	38	40	44	55	58	57	55	48
	Employees	1,902	ND	1,421	1,223	1,426	1,022	ND	1,119	874
	Payroll	56,547	ND	48,561	40,743	36,444	35,364	ND	33,463	29,500

¹Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

²The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

³ND = Data are suppressed due to confidentiality restrictions.

⁴NA = Data are not available.

2008 Economic Impacts of New Jersey Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	2,170,232	1,169,681	40,061
Commercial Harvesters	182,432	73,020	2,079
Seafood Processors & Dealers	126,759	62,257	1,380
Seafood Wholesalers & Distributors	503,805	242,285	4,176
Retail Sector	1,357,236	792,118	32,426

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Revenue	97,857	107,163	110,246	112,708	120,670	145,832	159,113	136,053	151,453	168,676
Finfish & Other	26,403	23,308	19,858	20,062	22,017	21,772	22,938	24,483	24,171	19,961
Shellfish	71,453	83,855	90,389	92,646	98,653	124,061	136,175	111,570	127,281	148,714
Clam, Quahog	7,363	6,757	5,636	ND ¹	5,228	7,409	7,556	7,615	968	6,306
Clams, Ocean Quahog & Surf	32,536	37,766	41,193	39,804	38,054	31,379	25,567	31,038	32,362	ND ¹
Crab, Blue	4,911	5,490	4,802	6,725	4,736	5,330	6,773	6,359	6,004	7,285
Flounder, Summer	3,038	2,604	2,313	3,504	3,683	4,429	4,649	4,926	3,989	3,466
Goosefish	7,782	6,505	6,135	5,896	6,200	3,496	4,492	4,416	4,485	4,005
Herring, Atlantic	44	ND ¹	32	60	145	6	371	389	563	ND ¹
Lobster, American	3,632	3,694	2,471	1,139	1,028	1,802	2,002	2,533	4,056	3,214
Mackerel, Atlantic	2,207	1,205	1,695	1,780	2,855	3,398	3,958	3,717	668	ND ¹
Oyster, Eastern	1,572	967	1,918	1,853	3,366	1,558	823	2,288	2,231	2,547
Scallop, Sea	14,528	24,108	29,983	33,336	43,507	67,498	88,494	57,471	77,366	91,454

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	168,644	171,803	168,541	162,139	170,133	187,772	156,976	152,783	153,979	162,470
Finfish & Other	77,525	71,574	71,867	65,737	75,471	71,782	74,454	66,317	65,296	62,960
Shellfish	91,119	100,229	96,674	96,401	94,662	115,990	82,522	86,466	88,684	99,510
Clam, Quahog	1,880	1,622	1,357	ND ¹	1,260	1,796	1,852	1,844	240	1,529
Clams, Ocean Quahog & Surf	66,114	72,858	73,900	73,949	71,683	61,155	49,849	55,286	55,746	ND ¹
Crab, Blue	5,579	5,093	4,724	6,229	4,012	4,350	6,333	5,981	4,821	5,816
Flounder, Summer	1,917	1,848	1,745	2,407	2,385	2,829	2,529	2,380	1,698	1,544
Goosefish	6,358	4,414	5,855	5,697	7,185	4,230	3,922	3,841	4,229	3,693
Herring, Atlantic	646	ND ¹	708	1,138	1,805	114	2,263	2,451	6,039	ND ¹
Lobster, American	931	891	580	264	210	371	369	471	681	633
Mackerel, Atlantic	20,035	9,645	25,224	20,486	33,056	36,091	32,415	24,977	5,384	ND ¹
Oyster, Eastern	411	202	412	379	714	323	162	350	444	550
Scallop, Sea	2,748	4,949	8,219	8,644	10,638	13,737	11,832	8,440	11,808	13,297

Average Annual Price for Key Species / Species Groups

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Clam, Quahog	3.92	4.17	4.15	ND ¹	4.15	4.13	4.08	4.13	4.04	4.12
Clams, Ocean Quahog & Surf	0.49	0.52	0.56	0.54	0.53	0.51	0.51	0.56	0.58	ND ¹
Crab, Blue	0.88	1.08	1.02	1.08	1.18	1.23	1.07	1.06	1.25	1.25
Flounder, Summer	1.58	1.41	1.32	1.46	1.54	1.57	1.84	2.07	2.35	2.24
Goosefish	1.22	1.47	1.05	1.03	0.86	0.83	1.15	1.15	1.06	1.08
Herring, Atlantic	0.07	ND ¹	0.05	0.05	0.08	0.05	0.16	0.16	0.09	ND ¹
Lobster, American	3.90	4.14	4.26	4.31	4.90	4.86	5.42	5.38	5.96	5.08
Mackerel, Atlantic	0.11	0.12	0.07	0.09	0.09	0.09	0.12	0.15	0.12	ND ¹
Oyster, Eastern	3.82	4.77	4.65	4.88	4.72	4.82	5.09	6.53	5.02	4.63
Scallop, Sea	5.29	4.87	3.65	3.86	4.09	4.91	7.48	6.81	6.55	6.88

¹ND = these data are confidential thus not disclosable.

2008 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
For-Hire	620	66,881	38,882
Private Boat	1,741	246,671	127,613
Shore	1,009	120,852	65,704
Total Durable Equipment Impacts	6,243	1,158,561	587,898
Total State Trip and Durable Equipment Economic Impacts	9,612	1,592,965	820,098

2008 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	24,026	19,430	Fishing Tackle	342,858
Private Boat	53,946	141,016	Other Equipment	70,793
Shore	35,265	63,478	Boat Expenses	230,056
Total Trip Expenditures	113,237	223,925	Vehicle Expenses	363,132
			Second Home Expenses	42,141
			Total Durable Equipment Expenditures	1,048,981
Total State Trip and Durable Equipment Expenditures				1,386,143

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	493	544	721	400	592	708	818	693	890	765
Non-Coastal	30	17	42	17	20	31	39	25	19	26
Out of State	303	430	543	239	462	379	471	481	518	456
Total Anglers	827	990	1,306	656	1,074	1,117	1,328	1,199	1,427	1,246

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	419	518	643	368	466	501	408	630	545	388
Private Boat	2,487	3,727	4,025	2,992	3,602	3,892	3,765	3,859	3,634	3,567
Shore	1,919	2,224	2,817	2,049	2,711	2,152	2,476	2,803	3,256	2,804
Total Trips	4,825	6,469	7,484	5,409	6,779	6,544	6,649	7,292	7,436	6,760

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

Species/Groups		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	H	237	402	560	416	392	449	327	489	206	318
	R	1,153	885	966	715	926	1,324	1,197	2,102	1,495	1,452
Bluefish	H	809	1,236	1,431	1,321	1,571	2,012	2,035	1,457	1,645	1,296
	R	1,824	1,907	2,056	2,168	1,913	2,403	2,644	1,930	3,146	1,752
Drum (Weakfish) ²	H	584	760	736	493	151	184	1,053	418	209	270
	R	551	1,605	1,065	351	631	607	1,280	1,231	581	1,255
Flounder, Summer	H	1,503	3,023	2,070	989	1,784	1,887	1,396	1,561	1,328	851
	R	9,220	7,261	10,343	4,205	5,807	7,212	9,931	6,823	7,125	9,349
Flounder, Winter	H	376	1,080	562	208	307	95	46	43	194	14
	R	191	441	188	124	110	29	42	192	42	10
Hake, Red	H	116	96	51	12	16	12	6	111	1	175
	R	4	5	5	(1)	15	6	6	15	(1)	24
Sea bass, Black	H	449	1,962	1,919	1,760	1,903	1,173	667	692	1,006	456
	R	1,728	5,545	4,371	4,318	4,295	2,833	2,463	2,090	2,882	4,221
Tuna, Bluefin	H	3	8	11	7	9	9	8	4	5	3
	R	(1)	(1)	4	(1)	(1)	31	26	35	1	(1)
Tuna, Yellowfin	H	19	55	9	14	22	25	22	41	25	6
	R	(1)	(1)	(1)	4	(1)	1	(1)	1	(1)	1
Wrasses (Tautog)	H	166	462	468	348	103	131	37	195	342	183
	R	671	627	1,006	836	394	426	335	563	1,353	709

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) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	230,860 (3.3%)	3,368,365 (3.1%)	125,787 (3.8%)	211,925 (3.6%)	314,117 (3.6%)	1.17
2007	243,350 (3.2%)	3,661,679 (3.0%)	184,165 (3.7%)	267,584 (3.4%)	461,295 (3.4%)	0.90
% change	5.4%	8.7%	46.4%	26.2%	46.8%	-23.0%

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	16	17	14	21	23	23	26	27	16
	Receipts	1,913	2,545	2,878	2,673	2,279	2,694	3,086	3,027	1,913
Seafood Sales, retail	Firms	98	94	87	92	100	89	93	72	98
	Receipts	8,457	8,289	8,368	8,348	8,822	9,219	9,194	8,916	8,457

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	18	16	18	17	16	15	17	16	16
	Employees	863	816	1,100	928	846	749	969	667	628
	Payroll	18,491	20,655	27,302	23,045	20,794	21,029	28,235	22,097	18,403
Seafood sales, wholesale	Establishments	110	107	112	102	84	85	85	89	101
	Employees	1,027	1,028	1,023	969	920	948	914	941	978
	Payroll	35,333	37,609	39,677	37,394	35,991	38,066	37,828	41,506	41,994
Seafood sales, retail	Establishments	123	125	125	149	133	134	128	127	124
	Employees	429	571	549	559	454	547	524	493	472
	Payroll	8,188	9,621	10,183	10,225	10,513	11,952	11,787	11,373	10,352

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	19	18	21	13	15	17	18	18	23
	Employees	ND ³	ND	532	ND	768	ND	914	1,040	778
	Payroll	ND	ND	36,912	ND	45,024	ND	54,097	68,096	56,017
Deep sea freight transportation	Establishments	38	37	33	35	37	33	38	39	31
	Employees	1,484	1,373	1,451	1,397	1,287	1,028	948	648	566
	Payroll	79,060	74,915	86,618	78,258	70,996	65,691	68,633	45,940	44,133
Deep sea passenger transportation	Establishments	2	3	4	4	5	4	5	4	2
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Marinas	Establishments	220	209	211	199	203	201	206	204	216
	Employees	ND	ND	ND	927	951	945	978	940	1,045
	Payroll	ND	ND	ND	32,480	34,777	36,862	38,323	39,154	41,624
Marine cargo handling	Establishments	24	26	26	29	27	26	26	25	23
	Employees	2,907	3,887	3,418	3,408	4,108	4,685	4,972	4,599	4,781
	Payroll	166,705	227,064	187,150	247,217	318,325	340,085	363,714	345,784	350,690
Navigational services to shipping	Establishments	17	22	21	22	16	17	16	19	26
	Employees	ND	408	183	ND	210	ND	169	ND	227
	Payroll	ND	22,315	10,359	ND	8,028	ND	9,673	ND	11,403
Port & harbor operations	Establishments	6	6	5	5	5	6	7	6	8
	Employees	ND	375	376	ND	240	ND	194	ND	271
	Payroll	ND	18,804	21,855	ND	10,644	ND	11,599	ND	12,197
Ship & boat building	Establishments	43	43	45	41	37	35	37	34	31
	Employees	1,992	2,178	2,185	2,223	2,005	2,040	2,320	2,307	2,305
	Payroll	66,141	71,918	70,980	76,607	75,149	80,301	89,421	88,367	91,460

¹Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

²The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

³ND = Data are suppressed due to confidentiality restrictions.

2008 Economic Impacts of the New York Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	1,978,974	1,053,448	41,517
Commercial Harvesters	111,808	38,278	2,270
Seafood Processors & Dealers	101,302	42,780	725
Seafood Wholesalers & Distributors	465,576	228,579	3,892
Retail Sector	1,300,288	743,811	34,629

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Revenue	74,787	61,121	55,072	51,264	51,601	46,874	56,368	57,706	59,594	57,231
Finfish & Other	19,363	16,495	18,864	15,924	16,426	16,762	18,317	19,123	20,414	18,812
Shellfish	55,424	44,626	36,208	35,341	35,175	30,112	38,051	38,583	39,181	38,419
Clam, Atlantic Surf	2,203	3,602	4,885	5,520	7,934	4,475	7,055	4,473	5,932	5,670
Clam, Quahog	17,777	17,547	13,502	12,245	12,399	10,673	12,696	12,237	14,224	13,053
Clam, Softshell	975	848	561	679	888	1,227	1,468	2,055	1,628	1,030
Flounder, Summer	1,832	2,007	1,778	2,042	2,240	3,275	3,797	3,418	3,133	2,934
Lobster	24,970	11,555	7,357	5,131	4,426	3,722	4,396	6,288	4,312	4,079
Oyster, Eastern	392	1,311	2,137	4,995	4,263	3,367	1,961	2,390	2,627	2,868
Scallop, Sea	68	239	718	90	164	720	3,617	3,518	3,872	5,054
Scups or Porgies	713	909	703	1,185	1,330	1,637	2,027	2,448	2,349	1,711
Squid, Loligo	8,052	8,423	6,035	6,247	4,353	5,425	6,054	5,844	5,159	5,343
Tilefishes	1,885	2,053	3,191	3,195	2,736	2,082	2,765	3,323	3,845	3,344

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	49,490	44,702	42,388	38,548	39,388	34,513	38,150	32,651	35,591	33,903
Finfish & Other	23,568	18,585	21,018	16,540	17,223	16,530	14,631	14,029	16,492	15,114
Shellfish	25,922	26,116	21,370	22,008	22,165	17,983	23,519	18,622	19,099	18,789
Clam, Atlantic Surf	4,878	5,567	7,549	8,544	13,264	7,462	11,953	6,913	9,161	8,753
Clam, Quahog	2,647	2,349	1,828	1,502	1,553	1,346	1,617	1,650	1,592	1,461
Clam, Softshell	229	181	106	132	163	234	270	393	198	125
Flounder, Summer	801	812	752	1,053	1,073	1,594	1,799	1,220	942	857
Lobster	6,452	2,883	2,053	1,440	946	996	1,154	1,243	716	814
Oyster, Eastern	68	150	244	537	466	370	219	269	124	135
Scallop, Sea	18	111	259	26	39	170	647	577	619	783
Scups or Porgies	455	634	655	1,558	1,850	1,907	2,186	2,416	2,325	1,215
Squid, Loligo	10,197	13,208	7,625	9,613	4,603	6,363	6,693	6,460	5,439	5,504
Tilefishes	798	916	1,835	1,593	1,755	1,335	1,142	1,297	1,394	1,199

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Clam, Atlantic Surf	0.45	0.65	0.65	0.65	0.60	0.60	0.59	0.65	0.65	0.65
Clam, Quahog	6.72	7.47	7.39	8.15	7.98	7.93	7.85	7.42	8.94	8.94
Clam, Softshell	4.25	4.70	5.30	5.15	5.45	5.24	5.43	5.23	8.23	8.24
Flounder, Summer	2.29	2.47	2.36	1.94	2.09	2.05	2.11	2.80	3.33	3.42
Lobster	3.87	4.01	3.58	3.56	4.68	3.74	3.81	5.06	6.02	5.01
Oyster, Eastern	5.76	8.77	8.77	9.30	9.15	9.10	8.97	8.87	21.21	21.21
Scallop, Sea	3.90	2.15	2.77	3.43	4.19	4.24	5.59	6.10	6.25	6.46
Scups or Porgies	1.57	1.43	1.07	0.76	0.72	0.86	0.93	1.01	1.01	1.41
Squid, Loligo	0.79	0.64	0.79	0.65	0.95	0.85	0.90	0.90	0.95	0.97
Tilefishes	2.36	2.24	1.74	2.01	1.56	1.56	2.42	2.56	2.76	2.79

2008 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
For-Hire	456	45,049	27,279
Private Boat	748	90,550	56,690
Shore	420	45,334	27,675
Total Durable Equipment Impacts	4,142	694,516	345,558
Total State Trip and Durable Equipment Economic Impacts	5,766	875,449	457,202

2008 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	3,604	25,426	Fishing Tackle	204,077
Private Boat	3,286	89,191	Other Equipment	81,882
Shore	3,607	41,521	Boat Expenses	201,422
Total Trip Expenditures	10,498	156,138	Vehicle Expenses	117,877
			Second Home Expenses	63,619
			Total Durable Equipment Expenditures	668,876
Total State Trip and Durable Equipment Expenditures				835,512

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	337	469	474	387	599	587	885	735	881	817
Non-Coastal	11	12	11	8	19	18	27	25	39	32
Out of State	28	20	29	41	82	76	110	114	147	118
Total Anglers	376	500	513	436	700	681	1,022	874	1,067	967

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	281	306	344	339	406	397	475	398	522	312
Private Boat	1,749	2,496	2,365	2,172	3,030	2,600	3,032	3,058	3,237	3,276
Shore	873	1,844	1,915	1,607	2,090	1,777	2,566	1,943	2,459	2,365
Total Trips	2,903	4,645	4,624	4,118	5,525	4,774	6,073	5,399	6,218	5,954

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

Species/Groups		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	H	195	271	190	202	314	243	298	313	371	448
	R	1,229	1,373	824	588	1,084	1,493	1,348	1,578	1,456	1,277
Bluefish	H	710	718	1,005	751	1,147	1,499	2,376	1,534	1,660	1,320
	R	1,156	2,629	2,543	1,017	1,305	1,883	3,314	1,839	1,919	2,514
Drum (Weakfish) ²	H	18	42	28	25	9	8	(1)	9	7	31
	R	35	69	69	63	7	40	194	12	201	27
Flounder, Summer	H	760	1,671	700	696	1,539	937	1,147	802	711	565
	R	3,260	3,574	5,228	4,100	5,722	2,682	7,767	5,277	5,255	6,124
Flounder, Winter	H	136	237	233	154	234	236	150	204	15	61
	R	152	237	286	141	73	56	222	95	14	30
Herring, Atlantic ²	H	142	67	39	26	30	73	140	39	315	111
	R	118	83	48	14	(1)	4	2	3	176	41
Porgies (Scup)	H	875	3,126	1,734	1,091	5,112	1,581	686	1,277	1,601	1,617
	R	197	1,301	1,666	1,246	1,805	2,508	1,263	2,498	1,590	3,282
Sea bass, Black	H	89	335	164	221	318	105	176	277	312	245
	R	731	1,222	641	1,411	739	490	963	1,634	1,513	1,829
Shortfin Mako	H	1	5	(1)	1	3	(1)	(1)	1	1	(1)
	R	9	13	2	4	3	2	5	2	(1)	(1)
Wrasses (Tautog)	H	197	79	46	630	129	381	119	253	202	256
	R	787	401	314	953	297	783	272	1,020	368	775

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) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	481,962 (7.0%)	6,993,814 (6.5%)	274,635 (8.3%)	482,888 (8.1%)	686,906 (7.9%)	0.22
2007	519,489 (6.7%)	7,529,882 (6.2%)	429,074 (8.5%)	636,533 (8.2%)	1,105,020 (8.1%)	0.11
% change	7.8%	7.7%	56.2%	31.8%	60.8%	-50.0%

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	43	39	45	40	62	49	57	61	68
	Receipts	3,621	3,538	2,607	1,730	2,580	3,517	2,652	3,044	3,516
Seafood Sales, retail	Firms	274	268	262	244	272	241	219	206	266
	Receipts	28,922	30,580	31,218	29,832	29,321	28,640	24,987	24,790	23,157

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	19	18	21	16	18	17	18	15	15
	Employees	452	ND ³	370	352	271	323	324	298	294
	Payroll	15,350	ND	18,258	20,430	15,676	14,782	14,810	16,491	18,723
Seafood sales, wholesale	Establishments	313	305	296	315	291	274	269	254	291
	Employees	2,189	2,265	2,158	2,269	2,183	2,091	2,003	2,066	2,058
	Payroll	71,437	75,538	76,881	84,367	75,063	75,411	76,177	78,198	84,361
Seafood sales, retail	Establishments	297	307	323	381	376	386	392	388	372
	Employees	1,026	1,113	1,154	1,421	1,518	1,602	1,513	1,495	1,575
	Payroll	16,110	17,304	18,609	22,867	25,422	26,489	25,665	26,701	28,497

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	71	69	67	69	60	60	57	55	50
	Employees	1,687	1,653	2,182	2,284	1,751	1,452	1,448	1,464	1,746
	Payroll	91,895	91,296	129,403	141,213	115,452	94,074	91,347	109,315	125,570
Deep sea freight transportation	Establishments	42	43	40	38	35	36	39	38	34
	Employees	769	ND	621	1,084	927	600	602	ND	ND
	Payroll	49,402	ND	42,874	52,516	58,350	38,246	39,309	ND	65,632
Deep sea passenger transportation	Establishments	2	4	5	4	8	7	6	4	4
	Employees	ND	ND	160	ND	212	ND	ND	ND	7
	Payroll	ND	ND	5,646	ND	6,673	ND	ND	ND	240
Marinas	Establishments	389	392	386	386	417	413	416	404	411
	Employees	1,682	1,778	1,805	1,680	2,167	2,185	2,093	2,112	2,070
	Payroll	55,844	64,661	66,508	69,242	77,398	81,737	84,832	83,807	88,862
Marine cargo handling	Establishments	20	22	19	11	14	14	12	12	12
	Employees	1,290	1,677	ND	ND	951	1,099	ND	ND	ND
	Payroll	43,649	56,242	ND	ND	50,015	48,529	ND	ND	ND
Navigational services to shipping	Establishments	36	41	41	32	34	34	35	36	36
	Employees	ND	487	554	ND	ND	ND	ND	ND	578
	Payroll	ND	27,872	29,646	ND	ND	ND	ND	ND	40,976
Port & harbor operations	Establishments	3	3	3	4	3	3	3	3	5
	Employees	ND	ND	ND	ND	ND	ND	ND	6	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	119	ND
Ship & boat building	Establishments	52	48	44	41	44	45	47	48	53
	Employees	841	880	759	ND	ND	ND	590	ND	643
	Payroll	28,262	28,320	26,072	ND	ND	ND	21,514	ND	26,653

¹Employee Compensation data for 1998 were not available. Data from 2001 are reported here.

²The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.

³ND = Data are suppressed due to confidentiality restrictions.

2008 Economic Impacts of the Virginia Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	1,369,390	762,559	30,734
Commercial Harvesters	118,245	50,741	2,275
Seafood Processors & Dealers	161,059	86,136	2,259
Seafood Wholesalers & Distributors	206,766	103,485	1,899
Retail Sector	883,319	522,196	24,302

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Revenue	108,247	118,336	119,618	123,308	130,657	160,491	155,096	109,071	132,612	145,552
Finfish & Other	47,754	47,258	42,222	38,947	39,661	43,522	48,589	40,597	45,818	40,104
Shellfish	60,492	71,078	77,395	84,361	90,996	116,970	106,507	68,474	86,794	105,448
Bass, Striped	3,088	3,266	3,250	2,823	3,389	3,659	4,478	2,907	3,846	3,311
Catfishes & Bullhead	330	389	987	1,005	372	649	900	1,570	978	1,124
Crab, Blue	26,525	24,115	25,600	21,083	19,130	21,822	20,578	14,067	15,252	19,580
Croaker, Atlantic	3,499	5,598	3,126	3,815	2,822	3,013	3,691	4,344	4,628	5,244
Flounder, Summer	3,067	3,131	2,973	3,150	4,220	5,376	4,680	3,460	3,187	2,720
Goosefish	940	843	700	704	879	599	1,143	688	750	ND ¹
Menhaden	30,222	27,566	25,860	22,113	22,511	24,144	25,259	22,269	25,317	21,268
Scallop, Sea	27,483	41,680	44,466	57,715	68,298	92,203	84,574	52,819	63,013	65,587
Sea Bass, Black	1,195	1,335	1,317	1,589	1,306	1,167	1,243	1,072	663	763
Spot	1,040	2,256	1,326	1,256	1,688	2,236	2,227	1,762	3,194	1,179

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	460,254	443,197	561,792	442,490	446,828	481,373	441,568	426,235	485,098	415,719
Finfish & Other	419,790	403,157	520,211	396,929	406,359	432,023	402,616	393,760	452,388	383,967
Shellfish	40,464	40,041	41,581	45,560	40,469	49,350	38,952	32,475	32,711	31,752
Bass, Striped	1,859	2,209	2,050	1,841	2,104	2,126	2,484	1,431	1,973	2,153
Catfishes & Bullhead	1,455	1,680	1,964	1,886	1,799	1,922	1,622	1,360	1,597	1,720
Crab, Blue	31,437	28,846	25,057	27,301	21,464	27,642	26,064	22,719	19,017	17,821
Croaker, Atlantic	12,850	12,889	12,929	12,448	10,936	9,488	9,272	7,829	10,941	11,112
Flounder, Summer	2,196	2,207	2,660	2,970	3,522	3,906	3,897	2,757	1,857	1,654
Goosefish	2,629	942	887	970	1,270	1,002	1,159	677	827	ND ¹
Menhaden	378,158	367,131	487,144	364,941	373,868	399,798	372,578	370,989	420,022	353,524
Scallop, Sea	5,572	9,176	12,654	16,189	17,536	19,409	11,444	8,312	10,041	9,847
Sea Bass, Black	740	648	661	771	507	498	476	328	190	216
Spot	2,962	3,765	3,248	3,062	3,471	4,338	3,103	1,696	4,275	1,987

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	1.66	1.48	1.59	1.53	1.61	1.72	1.80	2.03	1.95	1.54
Catfishes & Bullhead	0.23	0.23	0.50	0.53	0.21	0.34	0.55	1.15	0.61	0.65
Crab, Blue	0.84	0.84	1.02	0.77	0.89	0.79	0.79	0.62	0.80	1.10
Croaker, Atlantic	0.27	0.43	0.24	0.31	0.26	0.32	0.40	0.55	0.42	0.47
Flounder, Summer	1.40	1.42	1.12	1.06	1.20	1.38	1.20	1.26	1.72	1.64
Goosefish	0.36	0.90	0.79	0.73	0.69	0.60	0.99	1.02	0.91	ND ¹
Menhaden	0.08	0.08	0.05	0.06	0.06	0.06	0.07	0.06	0.06	0.06
Scallop, Sea	4.93	4.54	3.51	3.56	3.89	4.75	7.39	6.35	6.28	6.66
Sea Bass, Black	1.61	2.06	1.99	2.06	2.58	2.34	2.61	3.27	3.49	3.53
Spot	0.35	0.60	0.41	0.41	0.49	0.52	0.72	1.04	0.75	0.59

¹ND = these data are confidential thus not disclosable.

2008 Economic Impacts of Recreational Fishing Expenditures (thousands of dollars)

Impact Category	Jobs	Total Sales	Value Added
Trip Impacts by Fishing Mode:			
For-Hire	128	10,152	5,792
Private Boat	1,728	169,947	98,652
Shore	418	38,484	22,066
Total Durable Equipment Impacts	3,291	400,301	202,213
Total State Trip and Durable Equipment Economic Impacts	5,564	618,884	328,723

2008 Angler Trip & Durable Equipment Expenditures (thousands of dollars)

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	5,078	1,730	Fishing Tackle	110,040
Private Boat	67,438	82,460	Other Equipment	40,498
Shore	10,951	22,443	Boat Expenses	142,615
Total Trip Expenditures	83,466	106,633	Vehicle Expenses	137,463
			Second Home Expenses	37,801
			Total Durable Equipment Expenditures	468,417
Total State Trip and Durable Equipment Expenditures				658,516

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	309	388	423	337	384	510	559	578	463	464
Non-Coastal	66	68	88	73	52	69	137	90	76	89
Out of State	187	262	520	407	288	428	511	364	297	338
Total Anglers	562	717	1,031	817	724	1,007	1,206	1,033	836	891

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	41	64	91	72	86	96	41	34	59	53
Private Boat	1,904	2,291	2,579	2,255	2,068	2,415	2,432	2,555	2,510	2,348
Shore	749	1,036	1,458	927	958	1,083	1,368	1,310	1,154	1,025
Total Trips	2,694	3,391	4,128	3,254	3,113	3,594	3,841	3,900	3,723	3,425

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

Species/Groups		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bass, Striped	H	304	335	301	321	402	477	368	523	246	207
	R	941	1,022	621	707	971	1,768	1,485	1,690	914	442
Cobia	H	5	10	9	3	2	3	14	8	10	7
	R	16	8	10	10	15	7	23	29	8	7
Drum (Atlantic Croaker)	H	5,882	5,486	9,335	9,129	6,695	7,293	7,791	7,069	7,753	6,525
	R	5,669	7,811	7,087	7,108	6,544	5,791	8,144	4,599	9,511	7,035
Drum, Red	H	12	23	7	50	14	5	3	15	71	27
	R	233	197	30	801	43	34	31	159	166	238
Drum (Spot)	H	569	527	1,056	1,602	1,441	2,323	2,994	3,510	6,609	5,061
	R	340	503	969	482	934	975	1,799	921	2,311	1,721
Drum (Spotted Seatrout)	H	138	90	13	16	102	75	31	56	146	80
	R	152	265	110	136	207	296	277	125	415	373
Drum (Weakfish) ¹	H	229	287	176	178	86	103	30	59	45	29
	R	819	936	633	888	504	528	267	456	172	314
Flounder, Summer	H	378	581	1,338	772	451	584	584	862	479	229
	R	2,183	2,629	4,014	2,666	2,585	3,539	2,340	2,274	3,388	2,758
Sea bass, Black	H	536	448	231	132	265	48	75	115	67	58
	R	1,242	1,570	2,180	2,441	1,742	1,280	945	983	1,265	1,327
Wrasses (Tautog)	H	43	35	29	26	76	163	108	142	67	45
	R	66	13	27	38	55	141	107	229	94	32

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) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	172,182 (2.5%)	2,700,589 (2.5%)	81,261 (2.5%)	167,476 (2.8%)	226,569 (2.6%)	0.38
2007	200,503 (2.6%)	3,196,914 (2.7%)	136,312 (2.7%)	230,949 (2.8%)	384,132 (2.8%)	0.55
% change	16.4%	18.4%	67.7%	37.8%	69.5%	44.7%

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	14	16	20	35	53	68	65	74	62
	Receipts	854	613	1,185	1,406	2,370	3,456	3,665	4,916	4,845
Seafood Sales, retail	Firms	73	68	89	94	88	89	80	86	84
	Receipts	4,707	5,505	10,148	8,266	7,193	8,346	8,762	8,027	7,265

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	42	41	42	39	38	42	39	33	30
	Employees	1,515	1,230	1,259	1,035	1,256	1,231	1,336	871	955
	Payroll	30,554	34,642	35,228	35,828	37,386	38,731	39,980	28,530	34,520
Seafood sales, wholesale	Establishments	108	105	100	89	84	86	86	80	83
	Employees	1,056	1,072	875	790	742	756	675	605	734
	Payroll	22,086	21,054	21,138	21,591	20,133	22,235	21,864	21,388	25,365
Seafood sales, retail	Establishments	52	57	59	74	61	68	69	75	73
	Employees	ND	243	203	259	165	297	286	334	282
	Payroll	ND	3,262	3,104	3,662	3,146	4,479	4,865	5,348	5,227

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	15	15	14	13	16	13	15	13	15
	Employees	ND ³	ND	ND	ND	591	ND	ND	ND	565
	Payroll	ND	ND	ND	ND	26,881	ND	ND	ND	30,704
Deep sea freight transportation	Establishments	26	24	22	23	22	21	24	22	20
	Employees	953	1,172	ND	1,254	1,087	1,124	1,090	1,564	1,611
	Payroll	71,298	72,961	ND	92,591	87,099	91,978	95,871	141,085	148,502
Deep sea passenger transportation	Establishments	NA ⁴	NA	NA	2	2	2	1	1	1
	Employees	NA	NA	NA	ND	ND	ND	ND	ND	ND
	Payroll	NA	NA	NA	ND	ND	ND	ND	ND	ND
Marinas	Establishments	119	121	129	122	136	137	141	131	126
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	992
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	26,186
Marine cargo handling	Establishments	17	16	16	18	19	19	18	17	15
	Employees	ND	1,820	1,284	ND	ND	ND	1,516	1,110	1,085
	Payroll	ND	53,584	50,553	ND	ND	ND	52,254	51,654	56,696
Navigational services to shipping	Establishments	13	14	13	17	15	20	21	17	18
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	216
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	11,700
Port & harbor operations	Establishments	9	9	9	8	8	9	9	10	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	54	52	63	62	50	52	50	51	52
	Employees	21,176	21,429	20,198	21,240	20,720	21,022	21,230	21,741	ND
	Payroll	765,462	856,081	989,524	963,644	901,156	920,372	938,375	993,066	ND

¹Employee Compensation data for 1998 were not available. Data from 2001 are reported here.²The U.S. Commercial Fishing Location Quotient (CFLQ) of 1.0 represents the national baseline from which state CFLQs can be compared.³ND = Data are suppressed due to confidentiality restrictions.⁴NA = Data are not available.