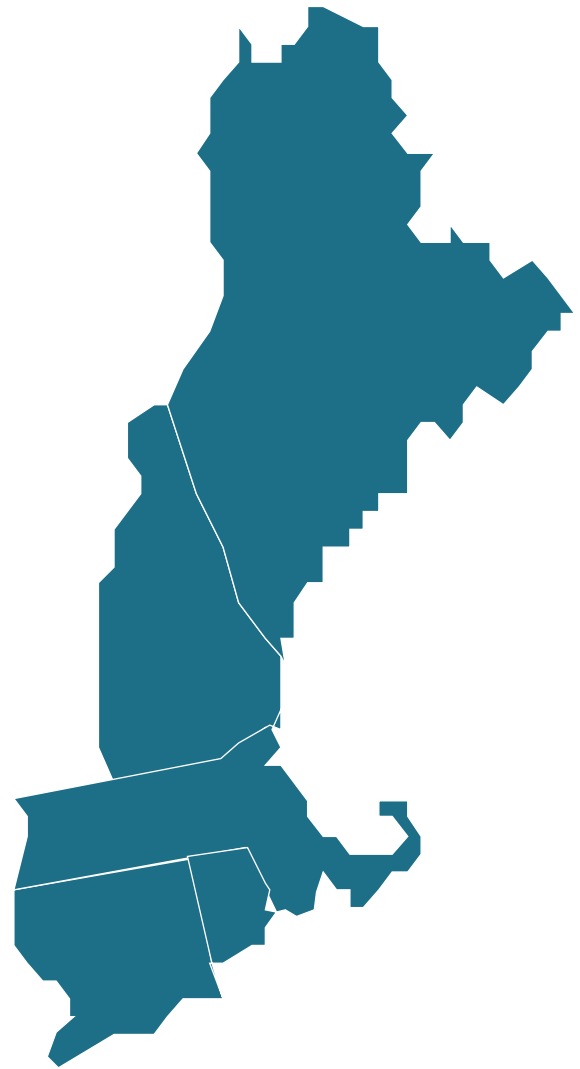


New England

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- Rhode Island



Management Context

The New England Region includes the states of Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut. Federal fisheries in this region are managed by the New England Fishery Management Council (NEFMC) and NOAA Fisheries (NMFS) under nine fishery management plans (FMPs). Two of these FMPs are jointly managed with the Mid-Atlantic Fishery Management Council (MAFMC). The NEFMC is the lead Council for the Monkfish FMP and the MAFMC is the lead for the Spiny Dogfish FMP.

New England Fishery Management Plans	
1.	Northeast Multispecies
2.	Sea Scallops
3.	Monkfish (with the MAFMC)
4.	Atlantic Herring
5.	Small Mesh Multispecies
6.	Spiny Dogfish (with the MAFMC)
7.	Red Crab
8.	Northeast Skate Complex
9.	Atlantic Salmon

Of the stocks or stock complexes covered in these fishery management plans, 16 are currently listed as overfished: Georges Bank cod, yellowtail flounder (3 stocks), white hake, Northern windowpane flounder, winter flounder (2 stocks), ocean pout, Atlantic halibut, pollock, witch flounder, winter skate, thorny skate, smooth skate, and Atlantic salmon. Thirteen stocks or stock complexes are currently subject to overfishing: cod (2 stocks), yellowtail flounder (3 stocks), white hake, windowpane flounder (2 stocks), winter flounder (2 stocks), pollock, witch flounder, and thorny skate.

Currently, expansion of the existing sector-based management program, a type of catch share program, initiated during 2004 for the Northeast Multispecies Plan is under development in New England.¹ The proposed changes would expand the number of sectors from 2 to 17. The two sectors currently operating include the Georges Bank cod hook gear sector fishery, which was implemented in 2004, and the Georges Bank cod fixed gear sector fishery, established in 2006. The ex-vessel value of these fisheries totaled over \$1.5 million in 2007. In the sea scallop fishery, a new individual fishing quota (IFQ) program for the general category vessel program is anticipated to start in 2010. In 2007, it was valued at \$32.3 million.

Commercial Fisheries

In 2008, New England commercial fishermen harvested 594 million pounds of finfish and shellfish and generated \$805 million in ex-vessel revenue. Landings revenue was dominated by shellfish such as lobster (\$312 million) and sea scallop (\$203 million) with ex-vessel prices in 2008 at \$3.70 and \$7.03, respectively, lobster contributed 39% to total landings revenue while sea scallops contributed 25%. These and other shellfish species and groups made up

¹The Northeast Multispecies Fishery Management Plan defines a sector as being a group of self selected vessel owners where a catch share is allocated to the group rather than to individual vessels.

76% of total revenue in New England. Atlantic herring was a significant component of total landings in 2008, making up 28% of the total. However, with an average annual price of \$0.12 per pound in 2008, Atlantic herring contributed only 2.5% to total landings revenue.

Of the five New England states, Massachusetts contributed the most to landings revenue and pounds landed with almost \$400 million and 326 million pounds landed in 2008, followed by Maine (\$301 million, 179 million pounds), Rhode Island (\$67 million, 72 million pounds), New Hampshire (\$21 million, 11 million pounds), and Connecticut (\$17 million, 7 million pounds).

Key New England Commercial Species	
• Quahog clam	• Lobster
• Cod and haddock	• Atlantic mackerel
• Flounders	• Sea scallop
• Goosefish	• Squid
• Atlantic herring	• Bluefin tuna

Economic Impacts

Massachusetts led the region in terms of sales, income, and job impacts related to the seafood industry in 2008. In-state sales in Massachusetts generated nearly \$3.97 billion in 2008 with income impacts totaling \$2.1 billion. Over 73,000 full- and part-time jobs were generated from the seafood industry in this state. Sales impacts in Maine also totaled over a billion dollars. Income (\$527 million) and job impacts (19,800 full- and part-time jobs) in Maine ranked second in New England. In terms of employment, Rhode Island (10,600), New Hampshire (4,800), and Connecticut (4,400) followed.

Landings Revenue

In 2008, ex-vessel revenue from finfish and shellfish harvest totaled \$805 million, a 22% increase (2.7% decrease in real terms) from landings revenue in 1999 (\$662 million) but a 10.9% decrease (19.5% in real terms) from 2007 (\$903 million). Massachusetts fishermen generated 50% of the revenue in New England in 2008. Shellfish revenue accounted for 76% of total revenue in New England, bringing in \$612 million in 2008. This was a 34% increase (7.2% in real terms) relative to 1999 (\$456 million), but a 16% (24% in real terms) decrease relative to 2007 (\$725 million). Finfish revenue decreased 6% (25% in real terms) from \$206 million (1999) to \$193 million (2008). Finfish revenue between 2007 and 2008 increased 8% (2.4% decrease in real terms).

Across New England, finfish revenue decreased in each state between 1999 and 2008 in real terms. Maine had the largest decrease with finfish revenue decreasing 29% (43% in real terms), followed by Connecticut (30%, 45% in real terms), New Hampshire (17%, 34% in real terms), and Rhode Island (17%, 33% in real terms). Massachusetts was the only state to experience an increase (11%) but there was still a 12% decrease in real terms.

In contrast, shellfish revenue varied across the region, with increases in revenue in New Hampshire (131%,

84.8% in real terms) and Massachusetts (85%, 48% in real terms) and Maine (25%, less than 1% in real terms). Shellfish revenue decreased in Connecticut (59%, 68% in real terms), and Rhode Island (25%, 40% in real terms).

New England key species and species groups with large changes in total revenue over the 10 year time period include sea scallop which experienced a 158% increase (106% in real terms) and Atlantic mackerel with a 252% increase (181% in real terms). Large decreases were seen in bluefin tuna (79%, 84% in real terms), flounders (29%, 43% in real terms), and squid (68, 74% in real terms).

At the state level, key species or groups with large changes in landings revenue from 1999 to 2008 include: increases in snails or conchs (596%), sea scallop (133%), and scups or porgies (116%), and decreases in lobster (77%), goosefish (34%), and hake (69%) in **Connecticut**; blood worms (104% increase), blue mussel (135% increase), and sea urchins (74% decrease) in **Maine**; clams other than ocean clams (3,700% increase), Atlantic mackerel (1,200% increase), sea scallop (171% increase), and lobster (33% decrease) in **Massachusetts**; Atlantic cod (443% increase), lobster (168% increase), spiny shark (102% increase), and goosefish (85% decrease) in **New Hampshire**; and scups or porgies (38% increase), quahog clam (25% increase), squid (74% decrease), Atlantic herring (66% decrease), and lobster (59% decrease) in **Rhode Island**. The dramatic percent increase in landings revenue from clams and Atlantic mackerel results from unusually low landings of both in 1999.

Landings

Fishermen in New England landed over 594 million pounds in 2008. This was a 1.8% decrease from the 584 million pounds landed in 1999, and a 1.9% decrease from the 583 million landed in 2007. Finfish contributed 66% of total landings in 2008 (394 million pounds), a 2% decrease from 1999. From 2007 to 2008, finfish landings increased 5%. Shellfish landings increased 10% from 1999 to 2008, from 182 million pounds (1999) to 200 million pounds (2008). Shellfish landings decreased 4% between 2007 and 2008.

Finfish landings decreased in four of the five New England states between 1999 and 2008. Connecticut and Rhode Island both decreased 59%. Maine and New Hampshire decreased 40% and 20% respectively. Massachusetts showed an increase in finfish landings with a 77.5% increase between 1999 and 2008.

Shellfish landings increased in Massachusetts (29%), Maine (16%), and New Hampshire (59%), but decreased in Rhode Island (13%) and Connecticut (66%).

Of New England's key species and species groups, Atlantic herring contributed the most to total landings with 164 million pounds landed in 2008. Fishermen in Massachusetts and Maine harvest the majority of this species, landing 94 million pounds and 66 million pounds, respectively.

Key species or groups with the largest increases in annual landings totals from 1999-2008 were Atlantic mackerel (514%) and sea scallop (111%). Total landings of bluefin

tuna (81%), goosefish (63%), flounder (52%), and squid (45%) decreased during this period.

Commercial Fish Facts

Landings revenue

- In 2008, New England's key species or species groups accounted for 81% of total revenue generated in the region.
- Lobster and sea scallops contributed the most to total revenue, averaging \$322 million and \$161 million, respectively, from 1999-2008.
- Fishermen in Maine generated most of the revenue from lobsters in 2008, while Massachusetts fishermen led the region in sea scallop revenue.
- The largest increase in revenue between 2007 and 2008 was 165% for squid, which increased from \$2.4 million to \$6.3 million. The largest annual decrease in the same time period was an 69% decrease in quahog revenue.

Landings

- New England's key species and groups contributed an average of 66% to total landings in 2008.
- Atlantic herring contributed the most to landings in the region, averaging 180 million pounds from 1999-2008. Commercial fishermen in Massachusetts and Maine harvested the majority of this species in 2008.
- Landings of Atlantic mackerel increased dramatically from 2001-2002, increasing 2622% largely due to an increase in landings in Rhode Island. The largest annual decrease in landings was for squid which decreased 89% from 2006-2007.

Prices

- Bluefin tuna (\$6.19) had the highest average ex-vessel price per pound from 1999-2008, followed by sea scallop (\$5.64), quahog clam (\$4.73), and lobster (\$3.97).
- Atlantic herring and Atlantic mackerel had the lowest average ex-vessel price per pound at \$0.08 and \$0.16, respectively.
- Quahog clam had the largest annual increase in ex-vessel price over the last ten years, increasing 130% between 2004 and 2005.
- The largest annual decrease in ex-vessel price over the last ten years occurred between 2001 and 2002 when the price of Atlantic mackerel decreased 50% from \$0.28 to \$0.14.

Prices

With the exception of Atlantic mackerel, lobster and squid, 2008 ex-vessel prices for New England's key species and groups were higher than their 10 year average price per pound. Large double-digit increases in prices were observed for six of the ten key species and groups between 1999 and 2008. The largest increases were for Atlantic herring (100%, 60% in real terms), quahog clam (69%, 35% in real terms), flounders (49%, 19% in real terms) and goosefish (39%, 11% in real terms).

Of the 10 dominant species, 6 experienced a decrease in ex-vessel price in real terms between 1999 and 2008. Atlantic mackerel experienced the largest decline (43%, 54% in real terms) followed by squid (42%, 53% in real terms). The other remaining four species cod and haddock, lobster, sea scallop, and bluefin tuna only experienced declines in real ex-vessel prices.

Relative to ex-vessel prices in 2007, the New England Region's quahog clam experienced the greatest increase (18.2%, 6.7% in real terms) from \$6.59 per pound in 2007 to \$7.79 per pound in 2008. Squid experienced the

greatest decline in ex-vessel price (49%, 54% in real terms) from \$0.88 in 2007 to \$0.45 in 2008.

At the state level, key species or groups with large changes in ex-vessel price from 1999 to 2008, include snails or conchs (338% increase), flounders (93% increase), goosefish (70% increase), and lobster (40% increase) in **Connecticut**; bloodworms (96% increase), blue mussel (87% increase), Atlantic herring (86% increase), and sea urchins (42% increase) in **Maine**; Atlantic herring (140% increase), Atlantic mackerel (52% decrease), and clams other than ocean clams (49% increase) in **Massachusetts**. Atlantic Herring (180% increase), quahog clam (90%), flounders (67% increase), and squid (56% decrease) in **Rhode Island**; spiny shark (76% increase) in **New Hampshire** which was the largest increase seen in New England between 1999 and 2008.

Recreational Fishing

In 2008, over 1.58 million recreational anglers took 9.2 million fishing trips in New England. Over 88% of these anglers were residents of a regional coastal county. Of the total fishing trips taken, 53.6% of them were taken from a private or rental boat and another 41.3% were shore-based. Striped bass were the most frequently caught key species or species group with over 7.5 million fish caught in 2008, 28.7 % of total fish caught in the region. This is a significant decrease in striped bass landings from 2007 (27% decrease). Almost all of these fish, over 92% of them, were released rather than harvested.

Economic Impacts and Expenditures

The contribution of recreational fishing activities in New England are reported in terms of economic impacts at the state level (employment, sales, and value-added impacts) and expenditures on fishing trips and durable equipment at the region level. Employment impacts in Massachusetts were highest in the region with over 5,900 full- and part-time jobs supported by recreational fishing activities in this state. Connecticut (4,884 full- and part-time jobs), Rhode Island (1,467 jobs), Maine (1,286 jobs), and New Hampshire (357 jobs) followed in terms of jobs supported by recreational fishing activities.

Overall, these jobs were related to expenditures on recreational fishing trips taken by anglers (private or rental boat, for-hire boat, or shore-based trips) or expenditures on durable equipment. Throughout New England, most of the jobs supported in 2008 were related to expenditures on durable equipment: 91% of jobs in Connecticut, 49% of jobs in Rhode Island, 45% of jobs in Massachusetts, 40% of jobs in New Hampshire, and 38% of jobs in Maine.

When looking at which fishing mode contributed most to jobs in each state, shore-based fishing trips supported most of the jobs in Rhode Island, Maine, and Massachusetts. Most of the fishing trip-related jobs in Connecticut were related to private or rental boat trips and in New Hampshire, for-hire boat trips supported most trip-related jobs.

In addition to jobs, the contribution of recreational fishing activities to New England's economy can be measured in terms of sales impacts and the contribution of these

activities to gross domestic product (value-added impacts). In 2008, sales and value-added impacts were highest in Massachusetts (\$786 million in sales impacts; \$427 million in value-added impacts) and Connecticut (743 million; \$427 million). These states were followed by Maine (\$108 million; \$57 million), Rhode Island (\$166 million; \$82 million), and New Hampshire (\$39 million; \$21 million).

Key New England Recreational Species

- Striped bass
- Bluefish
- Atlantic cod
- Summer flounder
- Winter flounder
- Little tunny
- Atlantic mackerel
- Porgies (scup)
- Bluefin tuna
- Wrasses (tautog)

Most of these sales and value-added impacts were related to expenditures on durable equipment. In terms of which fishing mode contributed the most to sales and value-added impacts at the state level: shore-based fishing trips contributed the most in Massachusetts, Maine, and Rhode Island; private or rental boat trips in Connecticut; and for-hire boat trips in New Hampshire.

Overall, total fishing trip and durable equipment expenditures generated \$1.8 billion across New England in 2008. Approximately 76% of these expenditures were related to durable equipment purchases. Vehicle (\$553 million), fishing tackle (\$428 million), and boat-related expenses (\$311 million) accounted for the majority of durable equipment expenditures. Fishing-trip related expenditures by New England's non-residents totaled over \$231 million and most of this was related to shore-based fishing trips (\$152 million). New Englanders generated \$194 million in trip-related expenditures with most of these expenses related to private or rental boat trips (\$113 million).

Participation

There were 1.58 million recreational anglers who fished in New England in 2008. This was a 90% increase from 1999 (831,000 anglers). These anglers were New England residents from either a coastal (1.39 million anglers) or non-coastal county (187,000 anglers).² Over 88% of total anglers in 2008 were residents of a coastal county. Coastal county angler participation in 2008 increased 84% relative to 1999 (756,000 anglers) and decreased slightly by 19,000 anglers between 2007 and 2008. Non-coastal county angler participation increased 149% relative to 1999 (75,000 anglers) and decreased 8.8% relative to 2007 (205,000 anglers). Over 82% of New England's anglers fished in Massachusetts.

In 2008, the majority of recreational fishermen in Massachusetts, Connecticut, and New Hampshire were residents of a coastal county within their respective state. These anglers comprised 75% of total anglers in

²At the state level, out-of-state anglers are estimated. However at the region level, out-of-region anglers are not estimated thus only New England 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 1999-2008 angler participation totals excludes these anglers.

Connecticut, 53% of total anglers in New Hampshire, and 51% of total anglers in Massachusetts. In contrast, most of Maine and Rhode Island's anglers in 2008 were out-of-state residents: 180,00 anglers or 58% of total anglers in Maine, and 297,000 anglers or 63% of total anglers in Rhode Island. Throughout New England, anglers from a non-coastal county³ accounted for a minority of total anglers in 2008: 2.9% in Maine, 6.8% in New Hampshire, and 13.1% in Massachusetts.

Fishing Trips

Recreational fishermen took 9.19 million fishing trips in New England in 2008. This was a 42% increase from 1999 (6.5 million trips) and was 500,000 fewer trips than taken in 2007. Approximately half (54%) of total trips in the region were taken from a private or rental boat (4.9 million trips). Shore-based fishing trips were also popular with 3.8 million trips taken in 2008 (41%) of total trips in New England. This fishing mode was the only one to see a significant decrease from 2007 to 2008, decreasing 13%. There were 471,000 fishing trips taken from for-hire boats in 2008, a slight decrease of 1.9% from 2007.

There were 4.5 million fishing trips taken in Massachusetts in 2008. Trips taken from this state comprised most of the fishing trips taken in New England: 49% of total trips in the region. Private or rental boat trips were the most popular fishing mode in Massachusetts (2.3 million trips) despite a 4% decrease from 2007-2008. Connecticut ranked second in terms of the total number of fishing trips taken in New England with 1.9 million trips taken by anglers in 2008. Rhode Island (1.6 million trips), Maine (840,000 trips), and New Hampshire (349,000 trips) followed. Private or rental boat trips accounted for most of the trips taken in Connecticut, Rhode Island, and New Hampshire, while shore-based trips were the most popular mode in Maine.

Harvest and Release

Striped bass had the highest catch totals of any key species and species group in New England. In 2008, approximately 7.6 million fish were caught by anglers fishing in the region and 93% of these fish were released rather than harvested. Over 53% of the striped bass caught in the region were caught in Massachusetts. Little tunny were also released in large numbers (96.2% released rather than harvested). Overall, most of New England's key species or groups were released rather than harvested. Only Atlantic mackerel (86.4%), bluefin tuna (87.5%), and winter flounder (69%) were harvested more often than released.

Many of New England's key species and species groups had dramatic changes in catch totals from 1999 to 2008. Total catch of bluefin tuna increased from less than 1,000 fish caught in 1999 to 14,000 in 2008. Little tunny (31.7% increased), bluefish (77.9%), porgies or scup (72%), and wrasses or tautog (34.9%) all experienced significant increases in their catch totals. Total catch of winter flounder decreased moderately with anglers catching 23.9% fewer fish in 2008.

³All resident anglers in Rhode Island and Connecticut are coastal county anglers.

Recreational Fishing Facts

Participation

- An average of 1.32 million anglers fished in New England annually from 1999-2008. Most of these anglers fished in Massachusetts.
- In 2008, coastal county residents made up 88% of total anglers in this region. These anglers averaged 90% of total anglers annually over the 10 year time period.
- Non-coastal county resident anglers had the largest annual decrease in participation, decreasing 16% from 1998 to 1999. These anglers also had the largest annual increase in participation, increasing 61% from 1999 to 2000. From 2007 to 2008, non-coastal county resident anglers participation decreased 8.8%.

Fishing trips

- In New England, an average of 8.79 million fishing trips were taken annually from 1999 to 2008. Most of these trips were taken in Massachusetts.
- Private or rental boat and shore-based fishing trips accounted for 4.9 million and 3.8 million fishing trips, respectively in 2008. Together, these made up 95% of fishing trips taken in that year.
- From 2007-2008 the largest decrease in fishing mode in New England was shore based fishing 13%.

Harvest and release

- Striped bass was the most commonly caught key species or species group, averaging 9.8 million fish caught over the 10 year time period. Of these, 94% were released rather than harvested.
- Seven of New England's ten key species or groups were released by anglers rather than harvested over this time period. Examples include striped bass (94% released), little tunny (93%), and bluefish (70%).
- Atlantic mackerel (90% harvested), winter flounder (59% harvested), and porgies or scup (51% harvested) were key species or groups more often harvested than released by anglers.
- Winter flounder had the largest annual increase in catch (150%) from 2007 to 2008, and tautog had the largest decrease (50%) from 2007 to 2008.

Between 2007 and 2008, large changes in catch totals were observed for the following key species or species group: increases were experienced by winter flounder (150%), summer flounder (41%), porgies (scup) (25%), and Atlantic mackerel (23); and the largest decreases occurred in wrasses (tautog) at 49.8%, bluefin tuna (30%), and striped bass (27%) from 2007 to 2008.

At the state level, striped bass has continued to remain the most caught key species. In Massachusetts, catch decreased from 2007 to 2008 (35%) to a total catch of 4.0 million fish in 2008. Two and a half million striped bass were caught in Connecticut in 2008 (28% increase from 2007). The majority of these fish were released, rather than harvested. Striped bass catches in New Hampshire decreased (69%) from 2007 to 91,000 in 2008.

In Maine, Atlantic mackerel continued to be the most caught species in 2008 (1.1 million) and most were harvested rather than released. This was a relative decrease in catch (14%) decrease from 2007. In Rhode Island, porgies (scup) were the most commonly caught fish species in 2008 (1.85 million), a 56% increase from the previous year.

Marine Economy⁴

In 2007, New England's gross domestic product by state was \$715 billion. Employee compensation totaled \$435 billion and annual payroll totaled \$295 billion. Respectively, these totals were a 48%, 25%, and 46% increase (24%, 4.7%, and 22% increase in real terms) from 1998 levels, and a 3.9%, 5.1%, and 4.4% increase (1.8%, 0.7%, 1.3% decrease in real terms) from 2006 levels. There were approximately 382,000 establishments and 6.1 million full- and part-time employees across the region in 2007. Both of these economic indicators increased slightly between 1998 and 2007 (5.1% and 5.9%, respectively). Between 2006 and 2007 the number of establishments increased 0.39%, but the number of employees decreased 0.33%.

At the state level, Massachusetts had the highest number of establishments and employees, annual payroll, employee compensation, and gross state product levels in the region. Massachusetts' 177,000 establishments employed almost 3.1 million employees in 2007. The gross state product in Massachusetts was \$352 billion, followed by Connecticut (\$212 billion), New Hampshire (\$58 billion), Maine (\$48 billion), and Rhode Island (\$47 billion).

Among the New England states where data was available, Maine had the highest commercial fishing location quotient (CFLQ)⁵ at 14.38 in 2007. This was a 78% increase from 2001 (8.09) and a 13.6% increase from 2006 (12.42). Maine's CFLQ suggests that the level of employment in commercial fishing-related industries in Maine is over 14 times higher than the national level of employment in these industries.⁶ The CFLQ in 2007 was 3.04 in Rhode Island (a 5.6% increase relative to 2001) and 0.52 in Connecticut (a 13% decrease relative to 2001).

Seafood Sales and Processing

In 2007, there were 102 nonemployer firms engaged in seafood product preparation and packaging across New England. This was a 20% increase relative to 1999 levels. Most of these firms were located in Maine (64%). Region-wide, annual receipts for this industry totaled \$11 million in 2007, a 49% increase (32% in real terms) from 1999 to 2007.

Employer establishments engaged in seafood product preparation totaled 99 in 2007, with 53% of them located in Massachusetts. From 1999 to 2007, the number of establishments region-wide decreased 3%. Over 3,400 full- and part-time workers were employed by these establishments in 2007 (1% decrease relative to 1999) and the annual payroll totaled \$130 million (51% increase).

In 2007, there were 393 seafood wholesale establishments that employed approximately 3,300 workers with an annual payroll totaling \$137 million. Across New England,

these seafood wholesale establishments, employee numbers, and annual payroll decreased over the time period, 27%, 31%, and 11%, respectively between 1999 and 2007. Similar declining trends were also experienced in all five New England states.

Seafood retail non-employer firms (172 in 2007) and establishments (254 in 2007) increased by 109% and 21% from 1999 to 2007. A 109% increase in firm numbers was observed in Rhode Island, a 53% increase in Connecticut, and a 57% increase in New Hampshire, but decreases occurred in Maine (2%) and Massachusetts (19%). Annual receipts for these firms, which totaled \$20 million in 2007, experienced a 2% decrease (13% in real terms) from 1999.

Employer establishments engaged in seafood retail increased 21% region-wide from 1999-2007. Increases were observed in all states with the largest increases in New Hampshire (114%) and Maine (56%). Employee numbers increased 86% across New England to 1,300 workers in 2007. Annual payroll increased to \$33 million, an 188% increase from 1999 totals (155% in real terms). Almost half of these establishments were located in Massachusetts.

Transport, Support, and Marine Operations

Marina industries had the highest number of establishments in 2007 with 451 establishments across New England. This was a 6% increase over 1999 levels. Most of these marina operations were located in Massachusetts and Connecticut. Ship and boat building industries employed the most people (8,700 full- and part-time workers) and had the highest annual payroll (\$427 million). Large increases were experienced in this industry, with employee numbers increasing 1,350% and annual payroll totals increasing 1,928% from 1999 to 2007 (1,696% in real terms)⁷. Most of the ship and boat building activity in the region occurred in Maine and Rhode Island.

Other industries with large or modest changes from 1999-2007 were coastal and Great Lakes freight transportation (56% increase in establishments in Massachusetts, 64% decrease in Connecticut); deep sea freight transportation (100% increase in establishments in Rhode Island and 40% in Connecticut); deep sea passenger transportation (100% increase in establishments in Maine, Connecticut and New Hampshire and 67% and 50% decreases in Rhode Island and Massachusetts respectively); marina operations (110% increase in annual payroll and 70% increase in employees in Connecticut, and a 84% increase in Massachusetts and 68% increase in Rhode Island in number of employees); marine cargo handling (40% decrease in establishments in Maine and a 67% increase in establishments in Massachusetts); navigational services to shipping industries (50% increase in establishments in Massachusetts); and port and harbor operations (100% increase in establishments in Maine and a 100% increase in Rhode Island).

⁴Data for 2008 were unavailable for this report therefore 2007 information are reported in this section.

⁵The CFLQ for 2007 was not available for New Hampshire or Massachusetts.

⁶The CFLQ for the U.S. is 1.0. This provides a national baseline from which state CFLQs can be compared.

⁷Payroll and employee number information was not available for Connecticut or New Hampshire.

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

	Total Landings Revenue	Total Sales Impacts	Total Income Impacts	Total Job Impacts
Connecticut	17,147	235,908	125,787	4,416
Maine	301,021	1,009,250	527,232	19,806
Massachusetts	399,735	3,965,159	2,107,026	73,029
New Hampshire	20,793	239,913	136,763	4,829
Rhode Island	66,647	520,340	280,174	10,626

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	662,126	688,422	638,028	696,423	690,692	821,140	970,311	953,209	903,472	805,343
Finfish & Other	205,598	218,552	220,052	207,082	200,351	194,962	200,702	183,967	178,904	193,337
Shellfish	456,527	469,870	417,975	489,341	490,341	626,179	769,608	769,242	724,567	612,006
Clam, Quahog	11,179	17,456	17,716	17,193	16,857	16,723	6,710	26,865	31,093	11,506
Cod & Haddock	32,849	37,837	46,416	49,679	44,386	40,093	39,814	31,900	39,317	42,759
Flounders	42,602	48,340	49,845	49,201	47,221	43,762	42,312	37,724	33,716	30,409
Goosefish	36,210	44,160	35,721	29,194	30,031	27,970	34,394	26,591	21,203	18,378
Herring, Atlantic	11,014	9,655	12,634	9,005	15,274	14,957	20,086	21,328	18,777	20,246
Lobster	298,519	298,516	239,681	287,621	277,946	368,647	408,712	386,059	352,022	311,566
Mackerel, Atlantic	1,223	644	437	3,776	4,404	10,414	6,830	13,527	6,001	4,302
Scallop, Sea	78,823	94,604	95,616	109,634	116,454	157,808	250,675	263,665	237,171	203,196
Squid	19,416	14,597	12,915	15,786	17,283	28,016	20,207	19,984	2,371	6,285
Tuna, Bluefin	14,042	17,305	17,043	14,349	8,267	4,297	3,186	1,715	2,077	2,887

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	583,885	576,064	631,043	588,891	660,283	723,587	684,913	701,335	583,170	594,362
Finfish & Other	402,250	382,693	458,053	387,327	468,511	487,933	460,989	463,683	374,199	393,916
Shellfish	181,635	193,371	172,990	201,564	191,772	235,654	223,924	237,652	208,971	200,446
Clam, Quahog	2,425	5,447	4,684	6,116	5,173	6,231	1,088	4,216	4,715	1,476
Cod & Haddock	28,212	33,791	45,931	45,469	38,482	34,159	30,494	19,812	24,928	31,364
Flounders	32,047	43,733	48,435	41,758	39,782	40,980	30,272	19,540	16,136	15,322
Goosefish	43,930	38,803	43,008	41,975	46,751	39,745	34,858	26,144	19,589	16,144
Herring, Atlantic	174,384	155,849	208,232	134,605	209,933	188,348	212,389	204,496	156,057	163,862
Lobster	81,160	83,029	68,560	81,382	70,502	88,678	86,223	90,843	77,357	84,193
Mackerel, Atlantic	5,783	2,468	1,591	26,649	34,839	88,124	60,469	99,751	50,761	35,533
Scallop, Sea	13,667	17,871	24,741	27,394	27,587	30,425	32,026	40,596	35,372	28,895
Squid	25,203	28,870	24,959	27,893	29,405	47,743	26,748	25,333	2,701	13,945
Tuna, Bluefin	2,230	2,243	2,534	2,386	1,787	704	722	274	300	426

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Clam, Quahog	4.61	3.20	3.78	2.81	3.26	2.68	6.17	6.37	6.59	7.79
Cod & Haddock	1.16	1.12	1.01	1.09	1.15	1.17	1.31	1.61	1.58	1.36
Flounders	1.33	1.11	1.03	1.18	1.19	1.07	1.40	1.93	2.09	1.98
Goosefish	0.82	1.14	0.83	0.70	0.64	0.70	0.99	1.02	1.08	1.14
Herring, Atlantic	0.06	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.12	0.12
Lobster	3.68	3.60	3.50	3.53	3.94	4.16	4.74	4.25	4.55	3.70
Mackerel, Atlantic	0.21	0.26	0.28	0.14	0.13	0.12	0.11	0.14	0.12	0.12
Scallop, Sea	5.77	5.29	3.86	4.00	4.22	5.19	7.83	6.49	6.71	7.03
Squid	0.77	0.51	0.52	0.57	0.59	0.59	0.76	0.79	0.88	0.45
Tuna, Bluefin	6.30	7.71	6.73	6.01	4.63	6.10	4.41	6.26	6.93	6.78

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

	Trips	Jobs	Total Sales	Value Added
Connecticut	1,910,868	4,884	742,753	427,085
Maine	839,680	1,286	108,242	56,761
Massachusetts	4,464,747	5,952	785,893	427,484
New Hampshire	348,590	357	39,009	21,439
Rhode Island	1,620,867	1,467	166,457	82,197

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

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	38,270	21,507	Fishing Tackle	428,214
Private Boat	40,045	112,863	Other Equipment	107,425
Shore	152,262	59,784	Boat Expenses	311,025
Total Trip Expenditures	230,578	194,153	Vehicle Expenses	553,292
			Second Home Expenses	13,945
			Total Durable Equipment Expenditures	1,413,901
Total State Trip and Durable Equipment Expenditures				1,838,632

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	756	1,042	969	1,069	1,198	1,155	1,349	1,408	1,408	1,389
Non-Coastal	75	121	108	124	152	165	169	188	205	187
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	831	1,163	1,077	1,194	1,349	1,319	1,518	1,596	1,614	1,576

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	223	309	303	235	319	300	418	458	480	471
Private Boat	3,286	4,736	4,857	4,513	4,426	4,450	5,017	4,681	4,863	4,921
Shore	2,968	3,720	3,874	3,844	3,833	3,910	3,819	4,510	4,355	3,793
Total Trips	6,478	8,765	9,035	8,592	8,578	8,660	9,254	9,650	9,699	9,185

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	265	396	498	523	701	608	691	585	638	568
	R	6,436	10,002	7,931	8,577	6,760	8,586	10,831	16,327	9,739	7,003
Bluefish	H	734	669	974	865	1,167	1,279	1,234	1,541	1,359	1,209
	R	1,575	1,695	2,591	2,008	2,531	3,238	3,007	3,016	3,141	2,899
Cod, Atlantic	H	375	749	1,104	644	706	608	653	264	313	481
	R	583	1,193	1,378	1,143	1,175	945	1,525	802	1,184	1,287
Flounder, Summer	H	822	1,558	573	439	549	786	604	592	417	473
	R	1,162	1,809	1,008	1,559	1,071	1,048	1,491	2,503	1,290	1,941
Flounder, Winter	H	212	143	169	107	83	54	50	61	54	169
	R	110	136	155	74	41	32	43	65	44	76
Little Tunny ³	H	12	2	3	7	3	13	(1)	2	5	3
	R	48	108	38	54	33	109	52	38	77	76
Mackerel, Atlantic	H	2,797	4,067	3,851	3,543	2,399	1,588	3,062	4,849	3,079	3,459
	R	372	654	772	363	212	162	78	328	188	546
Porgies (Scup)	H	2,122	3,935	3,031	2,460	4,181	2,983	1,567	1,261	1,871	1,901
	R	1,073	2,549	2,837	2,382	2,829	1,759	1,902	2,548	2,543	3,595
Tuna, Bluefin	H	(1)	6	1	1	5	2	12	4	14	14
	R	(1)	(1)	(1)	(1)	4	15	12	13	9	2
Wrasses (Tautog)	H	159	137	172	265	335	294	228	321	452	299
	R	374	233	338	638	669	545	504	595	981	420

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 are not available.

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.

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

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	235,908	125,787	4,416
Commercial Harvesters	32,952	14,446	562
Seafood Processors & Dealers	13,278	4,230	89
Seafood Wholesalers & Distributors	53,865	26,484	460
Retail Sector	135,813	80,626	3,306

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	38,090	31,227	31,176	27,779	29,825	33,399	37,570	36,892	42,053	17,147
Finfish & Other	5,785	6,428	5,712	4,283	4,136	4,575	5,097	3,731	3,421	4,008
Shellfish	32,305	24,799	25,464	23,496	25,690	28,825	32,474	33,161	38,632	13,139
Clam, Quahog	6,500	9,415	9,930	9,202	10,470	10,690	ND ²	18,135	20,531	ND ²
Flounders	1,114	1,325	1,188	909	896	1,075	1,170	1,026	881	888
Goosefish	790	1,556	1,201	790	683	580	658	346	512	525
Hake	3,203	2,864	2,341	1,307	1,602	2,028	2,432	1,628	1,226	1,001
Lobster	9,603	5,501	5,450	4,226	3,170	3,166	3,821	4,031	3,222	2,208
Oyster, Eastern	11,050	4,839	3,245	2,012	2,274	1,356	NA ¹	2,206	5,142	NA ¹
Scallop, Sea	4,223	4,034	5,727	6,400	8,125	11,203	9,761	7,229	8,605	9,859
Scups or Porgies	177	175	171	195	167	191	263	302	311	383
Snails (Conchs)	73	45	95	199	119	209	233	533	312	508
Squid, Loligo	763	ND ²	687	1,178	1,400	1,298	1,224	954	744	ND ²

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	18,430	19,563	18,748	16,177	16,420	18,196	13,638	11,750	10,262	7,074
Finfish & Other	10,889	11,175	10,609	7,799	7,825	6,832	6,548	5,807	3,931	4,505
Shellfish	7,541	8,388	8,139	8,378	8,595	11,363	7,090	5,943	6,331	2,568
Clam, Quahog	1,560	4,021	3,382	3,435	4,038	5,137	ND ²	2,665	3,160	ND ²
Flounders	758	1,041	1,011	633	565	637	582	456	345	312
Goosefish	968	1,544	1,360	1,029	1,023	897	524	496	460	378
Hake	6,855	6,598	5,644	2,904	2,875	2,936	3,735	2,632	1,831	2,481
Lobster	2,596	1,394	1,330	1,067	671	647	714	793	569	427
Oyster, Eastern	1,309	624	434	247	279	186	NA ¹	77	313	NA ¹
Scallop, Sea	771	800	1,538	1,579	1,908	2,172	1,272	1,104	1,313	1,401
Scups or Porgies	96	142	220	314	292	256	328	298	256	281
Snails (Conchs)	116	70	36	128	70	31	50	101	117	184
Squid, Loligo	1,120	ND ²	1,026	1,778	1,572	1,699	1,537	1,157	811	ND ²

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Clam, Quahog	4.17	2.34	2.94	2.68	2.59	2.08	ND ²	6.80	6.50	ND ²
Flounders	1.47	1.27	1.17	1.44	1.59	1.69	2.01	2.25	2.55	2.84
Goosefish	0.82	1.01	0.88	0.77	0.67	0.65	1.26	0.70	1.11	1.39
Hake	0.47	0.43	0.41	0.45	0.56	0.69	0.65	0.62	0.67	0.40
Lobster	3.70	3.95	4.10	3.96	4.72	4.89	5.35	5.08	5.67	5.17
Oyster, Eastern	8.44	7.76	7.48	8.16	8.14	7.30	NA ¹	28.61	16.43	NA ¹
Scallop, Sea	5.47	5.04	3.72	4.05	4.26	5.16	7.67	6.55	6.55	7.03
Scups or Porgies	1.84	1.23	0.77	0.62	0.57	0.75	0.80	1.01	1.22	1.36
Snails (Conchs)	0.63	0.64	2.65	1.55	1.69	6.69	4.66	5.28	2.66	2.76
Squid, Loligo	0.68	ND ²	0.67	0.66	0.89	0.76	0.80	0.82	0.92	ND ²

¹NA = these data are not available.²ND = 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	67	6,971	4,308
Private Boat	276	35,086	22,039
Shore	85	9,534	5,901
Total Durable Equipment Impacts	4,456	691,162	394,836
Total State Trip and Durable Equipment Economic Impacts	4,884	742,753	427,085

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

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	1,215	3,462	Fishing Tackle	179,681
Private Boat	4,292	31,553	Other Equipment	33,692
Shore	2,031	7,741	Boat Expenses	179,886
Total Trip Expenditures	7,538	42,757	Vehicle Expenses	299,388
			Second Home Expenses	0
			Total Durable Equipment Expenditures	692,646
Total State Trip and Durable Equipment Expenditures				742,941

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	243	222	246	283	361	297	323	336	302	381
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	55	53	78	87	112	63	77	44	61	123
Total Anglers	297	275	324	371	473	359	400	380	363	504

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	22	46	46	51	64	39	38	45	50	62
Private Boat	774	854	981	953	875	924	1073	863	1089	1,286
Shore	523	609	695	645	625	574	483	569	544	562
Total Trips	1,319	1,508	1,723	1,650	1,564	1,537	1,594	1,477	1,683	1,910

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	56	53	54	51	96	75	115	83	110	113
	R	704	926	1,108	697	843	1,079	1,714	1,682	1,832	2,372
Bluefish	H	196	166	229	269	437	529	293	476	375	428
	R	368	598	697	523	541	903	545	786	847	1,132
Cod, Atlantic	H	1	(1)	(1)	(1)	2	(1)	(1)	(1)	(1)	(1)
	R	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Flounder, Summer	H	215	372	153	93	166	217	213	107	109	116
	R	502	443	406	452	475	363	839	902	325	792
Flounder, Winter	H	67	10	15	16	24	4	4	8	4	(1)
	R	25	11	32	9	6	9	1	24	14	(1)
Little Tunny ³	H	1	(1)	1	(1)	1	2	(1)	(1)	(1)	(1)
	R	3	71	27	28	8	9	(1)	(1)	5	(1)
Perch, White	H	14	17	(1)	1	11	1	(1)	(1)	(1)	74
	R	14	140	7	27	28	30	3	3	88	138
Porgies (Scup)	H	374	1,318	1,016	882	1,529	564	724	519	690	672
	R	273	925	931	570	804	387	719	733	871	1,131
Shad, Hickory	H	40	(1)	16	71	71	28	52	80	57	5
	R	81	48	88	377	79	103	35	110	8	24
Wrasses (Tautog)	H	16	11	17	100	168	98	75	176	211	177
	R	68	29	59	219	283	329	144	141	445	200

¹All Connecticut 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.

Connecticut's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	92,362 (1.3%)	1,493,964 (1.4%)	58,226 (1.8%)	96,391 (1.6%)	145,373 (1.7%)	0.6
2007	93,615 (1.2%)	1,539,268 (1.3%)	81,460 (1.6%)	122,827 (1.6%)	212,252 (1.5%)	0.52 (2006)
% change	1.4%	3.0%	39.9%	27.4%	46.0%	-13.3%

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	0	4	0	0	7	7	7	11	0
	Receipts	ND ³	441	ND	ND	1,022	1,404	551	3,206	ND
Seafood Sales, retail	Firms	17	19	20	26	26	25	24	15	26
	Receipts	2,250	1,780	2,378	3,225	2,966	3,115	3,313	2,915	4,436

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	3	3	2	2	2	3	3	4	3
	Employees	ND	ND	ND	ND	ND	ND	113	119	ND
	Payroll	ND	ND	ND	ND	ND	ND	3,656	4,242	ND
Seafood sales, wholesale	Establishments	29	26	25	28	19	19	17	19	20
	Employees	187	ND	ND	ND	169	181	ND	ND	183
	Payroll	8,725	ND	ND	ND	7,738	7,688	ND	ND	8,347
Seafood sales, retail	Establishments	36	31	34	36	34	38	39	35	36
	Employees	ND	112	131	165	206	202	187	196	177
	Payroll	ND	2,760	3,403	3,859	5,110	5,060	5,028	4,937	5,252

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	11	10	8	5	6	5	5	4	4
	Employees	ND	396	506	ND	ND	ND	ND	ND	ND
	Payroll	ND	22,291	31,940	ND	ND	ND	ND	ND	ND
Deep sea freight transportation	Establishments	10	13	12	11	12	13	11	14	14
	Employees	ND	ND	ND	238	270	260	310	235	228
	Payroll	ND	ND	ND	18,271	29,086	37,013	36,766	47,845	48,110
Deep sea passenger transportation	Establishments	1	1	2	2	2	2	2	1	2
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Marinas	Establishments	107	101	101	108	116	117	117	119	124
	Employees	720	676	ND	722	1,006	1,016	994	1,024	1,224
	Payroll	24,243	24,375	ND	29,690	39,691	41,952	42,754	44,829	50,809
Marine cargo handling	Establishments	4	1	2	1	.	1	3	3	5
	Employees	ND	ND	ND	ND	.	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	.	ND	ND	ND	5,925
Navigational services to shipping	Establishments	6	5	4	8	6	6	8	9	6
	Employees	ND	ND	ND	ND	ND	ND	45	69	ND
	Payroll	ND	ND	ND	ND	ND	ND	1,768	2,423	432
Port & harbor operations	Establishments	4	3	3	5	4	4	4	4	4
	Employees	ND	ND	ND	185	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	5,527	ND	ND	ND	ND	ND
Ship & boat building	Establishments	18	18	14	12	14	17	17	17	22
	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.

³ND = Data are suppressed due to confidentiality restrictions.

2008 Economic Impacts of the Maine Seafood Industry (*thousands of dollars*)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	1,009,250	527,232	19,806
Commercial Harvesters	195,246	73,785	2,351
Seafood Processors and Dealers	85,114	28,668	825
Seafood Wholesalers and Distributors	125,136	64,438	1,241
Retail Sectors	603,755	360,341	15,389

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	265,213	269,082	241,383	290,315	287,049	367,093	391,903	361,849	348,336	301,021
Finfish & Other	56,789	56,732	56,662	47,489	49,292	48,954	47,090	37,104	36,894	40,100
Shellfish	208,425	212,350	184,721	242,826	237,757	318,139	344,813	324,745	311,442	260,921
Bloodworms	2,888	1,592	4,851	5,759	5,292	7,524	6,039	5,037	6,050	5,881
Clam, Ocean Quahog	2,611	3,310	3,499	4,748	4,480	3,842	3,607	3,919	3,194	2,195
Clam, Softshell	10,465	9,546	16,609	14,370	15,859	16,628	14,081	13,165	12,492	12,491
Cod & Haddock	3,976	5,330	6,469	5,944	4,673	5,401	5,168	3,994	3,728	1,484
Goosefish	5,207	8,876	7,991	6,248	7,852	6,840	6,219	3,238	2,402	ND ¹
Herring, Atlantic	7,710	6,400	7,165	4,618	7,296	7,943	9,341	10,602	9,176	8,305
Lobster	184,614	187,715	153,982	210,950	205,715	289,079	317,948	297,165	285,296	235,472
Mussel, Blue	688	1,037	2,650	4,117	4,487	3,319	2,625	2,619	1,943	1,614
Pollock	3,111	3,258	2,448	2,386	2,206	2,347	3,105	2,309	2,160	ND ¹
Sea Urchins	20,300	17,739	12,694	7,657	8,569	7,866	5,142	3,693	4,368	5,206

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	229,604	228,213	236,240	202,483	223,533	228,388	214,424	217,712	184,456	178,545
Finfish & Other	155,592	144,484	167,022	113,132	141,621	130,407	121,239	121,340	96,579	92,590
Shellfish	74,012	83,729	69,218	89,351	81,912	97,981	93,185	96,372	87,877	85,955
Bloodworms	515	327	644	683	594	615	456	450	549	535
Clam, Ocean Quahog	948	1,208	1,083	1,287	1,194	1,013	1,001	1,214	1,011	669
Clam, Softshell	2,282	2,284	2,660	2,423	2,364	2,380	1,857	1,867	1,931	1,945
Cod & Haddock	3,163	4,295	5,741	5,172	3,860	4,594	4,039	2,448	2,346	1,132
Goosefish	7,629	8,601	10,983	11,127	13,291	10,567	7,115	3,666	2,376	ND ¹
Herring, Atlantic	111,416	100,097	115,825	67,169	96,681	89,687	87,451	96,214	72,757	65,570
Lobster	53,494	57,215	48,618	63,626	54,971	71,574	68,730	72,667	64,335	67,227
Mussel, Blue	1,809	2,838	2,749	4,793	4,287	4,102	3,357	2,898	2,643	2,266
Pollock	3,568	3,955	3,447	2,958	4,085	4,190	5,259	3,678	4,249	ND ¹
Sea Urchins	15,435	12,898	9,901	6,321	5,963	5,742	3,517	2,800	2,762	2,788

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Bloodworms	5.61	4.87	7.53	8.43	8.91	12.24	13.24	11.20	11.02	11.00
Clam, Ocean Quahog	2.75	2.74	3.23	3.69	3.75	3.79	3.60	3.23	3.16	3.28
Clam, Softshell	4.59	4.18	6.25	5.93	6.71	6.99	7.58	7.05	6.47	6.42
Cod & Haddock	1.26	1.24	1.13	1.15	1.21	1.18	1.28	1.63	1.59	1.31
Goosefish	0.68	1.03	0.73	0.56	0.59	0.65	0.87	0.88	1.01	ND ¹
Herring, Atlantic	0.07	0.06	0.06	0.07	0.08	0.09	0.11	0.11	0.13	0.13
Lobster	3.45	3.28	3.17	3.32	3.74	4.04	4.63	4.09	4.43	3.50
Mussel, Blue	0.38	0.37	0.96	0.86	1.05	0.81	0.78	0.90	0.74	0.71
Pollock	0.87	0.82	0.71	0.81	0.54	0.56	0.59	0.63	0.51	ND ¹
Sea Urchins	1.32	1.38	1.28	1.21	1.44	1.37	1.46	1.32	1.58	1.87

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	110	8,129	4,594
Private Boat	99	8,374	4,944
Shore	583	41,673	22,970
Total Durable Equipment Impacts	493	50,065	24,254
Total State Trip and Durable Equipment Economic Impacts	1,286	108,242	56,761

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

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	5,219	601	Fishing Tackle	20,983
Private Boat	2,789	5,571	Other Equipment	9,520
Shore	27,769	2,789	Boat Expenses	25,483
Total Trip Expenditures	35,777	8,961	Vehicle Expenses	14,765
			Second Home Expenses	526
			Total Durable Equipment Expenditures	71,275
Total State Trip and Durable Equipment Expenditures				116,013

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	112	139	126	127	165	113	190	182	174	121
Non-Coastal	10	20	16	17	23	21	20	22	13	9
Out of State	95	150	166	172	170	148	173	285	260	180
Total Anglers	216	310	308	316	358	282	383	489	447	310

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	9	17	20	13	14	38	38	31	33	31
Private / Rental	270	482	444	422	410	315	552	517	486	382
Shore	350	396	469	471	495	406	499	649	703	426
Total Trips	629	895	932	906	919	758	1,089	1,197	1,222	840

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	21	62	60	72	58	37	69	73	71	49
	R	650	943	871	1,392	847	748	3,024	4,063	1,105	470
Bluefish	H	8	(1)	15	24	14	17	19	6	37	24
	R	20	4	40	42	23	38	51	42	72	65
Cod, Atlantic	H	13	41	92	15	11	42	26	12	22	35
	R	30	50	73	16	25	43	43	41	79	59
Flounder, Winter	H	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	R	1	(1)	3	(1)	1	(1)	(1)	1	(1)	1
Haddock	H	1	11	12	3	1	12	7	8	13	15
	R	1	16	17	4	4	3	3	4	13	3
Mackerel, Atlantic	H	881	1,406	1,175	1,207	616	778	761	387	1,139	839
	R	165	304	319	234	106	79	32	95	95	227
Pollock	H	16	74	58	76	10	57	45	78	43	90
	R	33	103	130	48	17	39	53	27	19	162
Shad, American	H	1	1	(1)	(1)	(1)	(1)	1	4	(1)	(1)
	R	(1)	1	2	(1)	1	2	(1)	20	3	4
Shark, Blue	H	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	R	3	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)
Tuna, Bluefin	H	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)
	R	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

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

Maine's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	38,334 (0.6%)	456,715 (0.4%)	11,559 (0.3%)	22,035 (0.4%)	31,731 (0.4%)	8.09
2007	42,506 (0.6%)	503,789 (0.4%)	17,049 (0.3%)	27,737 (0.4%)	48,021(0.4%)	14.38
% change	10.9%	10.3%	47.5%	23.8%	51.3%	77.7%

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	54	51	55	50	62	57	52	54	65
	Receipts	4,154	3,657	6,301	3,023	4,699	5,642	5,082	6,463	7,177
Seafood Sales, retail	Firms	56	60	51	62	60	55	51	45	55
	Receipts	6,602	9,505	8,486	8,980	8,365	8,621	7,331	7,115	5,905

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	43	40	36	33	35	28	27	27	27
	Employees	1,024	992	1,007	639	656	576	614	616	536
	Payroll	12,676	12,110	13,125	11,301	13,999	19,767	12,349	12,304	9,351
Seafood sales, wholesale	Establishments	201	194	182	190	181	177	177	167	170
	Employees	1,722	1,631	1,235	1,256	985	1,048	1,152	996	1,015
	Payroll	34,045	36,325	32,599	36,043	29,643	30,108	30,513	32,192	32,005
Seafood sales, retail	Establishments	32	34	41	47	51	50	49	55	50
	Employees	146	ND	ND	173	181	189	184	179	181
	Payroll	2,512	ND	ND	3,971	4,663	5,112	4,678	4,753	4,635

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	7	6	6	4	5	4	3	3	3
	Employees	ND ³	ND	ND	30	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	939	ND	ND	ND	ND	ND
Deep sea freight transportation	Establishments	3	3	4	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	2	2	4	1	1	1	1	2
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Marinas	Establishments	91	91	89	85	79	84	84	84	86
	Employees	508	592	600	503	416	406	411	417	464
	Payroll	14,712	16,454	18,121	16,055	12,853	13,369	14,215	15,353	18,600
Marine cargo handling	Establishments	5	4	4	4	4	4	3	3	3
	Employees	ND	ND	ND	91	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	3,183	ND	ND	ND	ND	ND
Navigational services to shipping	Establishments	16	14	16	18	17	16	16	12	15
	Employees	55	49	45	88	106	91	88	93	105
	Payroll	3,015	3,175	3,371	4,341	5,521	4,927	5,890	6,260	6,737
Port & harbor operations	Establishments	1	1	1	NA ⁴	1	1	1	1	2
	Employees	ND	ND	ND	NA	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	NA	ND	ND	ND	ND	ND
Ship & boat building	Establishments	75	72	79	87	91	86	92	89	94
	Employees	ND	ND	8,242	ND	7,630	7,753	ND	6,808	6,751
	Payroll	ND	ND	300,378	ND	332,332	328,179	ND	320,288	345,036

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 the Massachusetts Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	3,965,159	2,107,026	73,029
Commercial Harvesters	356,116	146,006	2,982
Seafood Processors and Dealers	466,914	182,965	3,796
Seafood Wholesalers and Distributors	595,583	290,278	5,035
Retail Sectors	2,546,546	1,487,776	61,216

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	260,250	290,950	278,946	296,922	292,602	325,982	427,340	437,047	420,177	399,735
Finfish & Other	110,159	120,595	122,944	122,845	116,767	109,158	117,000	110,169	109,442	121,838
Shellfish	150,091	170,356	156,002	174,077	175,835	216,824	310,340	326,879	310,735	277,897
Clam, Ocean Quahog	6,905	5,235	ND ²	ND ²	7,325	6,919	ND ²	8,297	10,100	ND ²
Clams, All Other	653	581	5,927	8,169	823	4,721	19,027	14,071	15,698	24,828
Cod & Haddock	27,372	29,573	36,905	40,550	36,668	31,447	31,954	25,452	32,033	38,640
Flounders	27,425	30,521	33,086	33,092	32,995	29,898	28,815	24,593	22,091	20,910
Goosefish	21,847	24,121	18,263	15,546	15,585	15,676	21,485	17,712	14,381	14,054
Herring, Atlantic	1,260	604	2,769	2,285	5,461	4,570	8,280	7,828	8,270	11,304
Lobster	66,770	70,116	53,430	56,569	52,329	51,581	49,556	52,557	51,357	45,155
Mackerel, Atlantic	331	184	141	713	1,888	6,542	3,907	10,202	4,736	4,258
Oyster, Eastern	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	24	2,738	4,620	4,559	5,466
Scallop, Sea	70,226	85,294	87,357	100,551	106,938	144,728	226,948	234,797	218,291	190,217

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	198,677	189,031	240,759	243,501	295,439	338,215	338,006	348,651	304,811	326,082
Finfish & Other	143,932	130,095	182,473	175,490	231,978	267,338	267,302	268,293	227,648	255,474
Shellfish	54,745	58,937	58,286	68,011	63,461	70,877	70,704	80,357	77,162	70,607
Clam, Ocean Quahog	16,530	12,397	ND ²	ND ²	14,226	14,085	ND ²	16,798	20,158	ND ²
Clams, All Other	880	734	10,836	17,057	1,045	6,315	19,830	4,515	4,194	22,489
Cod & Haddock	23,616	26,685	37,162	37,521	32,013	26,922	24,539	15,862	20,369	28,548
Flounders	21,384	29,041	33,989	28,987	29,418	30,704	22,115	13,182	11,022	11,653
Goosefish	26,422	20,888	22,120	22,794	23,979	22,357	21,849	17,496	13,318	12,474
Herring, Atlantic	23,756	9,615	48,960	40,508	79,873	68,424	99,449	82,821	73,308	93,771
Lobster	15,534	15,803	12,133	12,853	11,385	11,295	9,879	10,967	10,155	10,530
Mackerel, Atlantic	1,302	479	387	5,549	23,451	72,687	52,246	89,535	46,240	35,446
Oyster, Eastern	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	9	105	213	127	149
Scallop, Sea	12,254	16,175	22,640	25,290	25,371	27,940	29,045	36,108	32,540	27,056

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Clam, Ocean Quahog	0.42	0.42	ND ²	ND ²	0.51	0.49	ND ²	0.49	0.50	ND ²
Clams, All Other	0.74	0.79	0.55	0.48	0.79	0.75	0.96	3.12	3.74	1.10
Cod & Haddock	1.16	1.11	0.99	1.08	1.15	1.17	1.30	1.60	1.57	1.35
Flounders	1.28	1.05	0.97	1.14	1.12	0.97	1.30	1.87	2.00	1.79
Goosefish	0.83	1.15	0.83	0.68	0.65	0.70	0.98	1.01	1.08	1.13
Herring, Atlantic	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.09	0.11	0.12
Lobster	4.30	4.44	4.40	4.40	4.60	4.57	5.02	4.79	5.06	4.29
Mackerel, Atlantic	0.25	0.38	0.36	0.13	0.08	0.09	0.07	0.11	0.10	0.12
Oyster, Eastern	NA ¹	NA ¹	NA ¹	NA ¹	NA ¹	2.74	26.09	21.74	36.02	36.64
Scallop, Sea	5.73	5.27	3.86	3.98	4.21	5.18	7.81	6.50	6.71	7.03

¹NA = these data are not available.

²ND = 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	557	53,580	31,966
Private Boat	707	82,731	50,724
Shore	1,988	205,057	121,411
Total Durable Equipment Impacts	2,700	444,524	223,383
Total State Trip and Durable Equipment Economic Impacts	5,952	785,893	427,484

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

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	22,443	13,035	Fishing Tackle	158,118
Private Boat	14,971	59,006	Other Equipment	42,788
Shore	101,282	41,537	Boat Expenses	83,950
Total Trip Expenditures	138,696	113,578	Vehicle Expenses	207,311
			Second Home Expenses	11,505
			Total Durable Equipment Expenditures	503,672
Total State Trip and Durable Equipment Expenditures				755,946

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	240	493	392	465	434	535	585	623	664	655
Non-Coastal	57	90	79	96	112	131	135	151	179	170
Out of State	174	265	279	344	306	335	391	484	465	469
Total Anglers	471	848	750	906	852	1,000	1,112	1,258	1,309	1,293

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	146	172	134	106	145	133	246	242	242	235
Private Boat	1,552	2,518	2,569	2,399	2,329	2,456	2,383	2,438	2,419	2,322
Shore	1,285	1,931	1,821	1,701	1,611	1,913	1,809	2,044	2,049	1,907
Total Trips	2,983	4,622	4,524	4,206	4,085	4,502	4,439	4,724	4,710	4,465

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
Atlantic Bonito	H	1	4	13	6	11	4	15	5	4	3
	R	1	8	8	17	(1)	3	12	18	12	5
Bass, Striped	H	127	181	288	309	407	400	368	340	347	343
	R	4,576	7,382	5,411	5,719	4,362	5,892	4,840	8,657	5,772	3,641
Bluefish	H	197	221	357	229	374	406	589	686	587	414
	R	397	596	948	628	1,019	1,468	1,812	1,507	1,344	1,242
Cod, Atlantic	H	284	599	842	585	583	519	558	188	239	372
	R	471	975	1,119	1,049	937	843	1,337	534	883	1,029
Flounder, Summer	H	175	379	152	155	177	281	203	219	76	150
	R	219	445	210	336	244	388	308	556	99	181
Flounder, Winter	H	60	74	61	53	45	40	42	43	37	155
	R	46	100	97	34	30	17	39	35	17	65
Haddock	H	6	81	73	61	75	215	334	151	291	263
	R	12	88	45	125	130	104	87	89	55	108
Mackerel, Atlantic	H	1,321	2,049	1,811	2,024	1,313	722	1,967	4,296	1,789	2,047
	R	77	231	157	61	45	73	21	203	83	261
Porgies (Scup)	H	1,029	1,382	881	975	1,624	1,511	397	314	729	660
	R	521	748	832	879	1,221	855	516	931	936	1,177
Wrasses (Tautog)	H	91	88	116	103	47	23	48	63	76	24
	R	152	139	205	284	190	63	148	266	331	86

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

Massachusetts' State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	167,929 (2.4%)	2,924,913 (2.7%)	105,871 (3.2%)	181,507 (3.1%)	236,079 (2.7%)	7.54 (2001)
2007	176,701 (2.3%)	3,073,941 (2.5%)	157,236 (3.1%)	224,373 (3.1%)	352,178 (2.6%)	9.25 (2005)
% change	5.2%	5.1%	48.5%	23.6%	49.1%	26.5%

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Firms	31	22	29	26	23	25	28	36	24
	Receipts	3,455	2,684	1,762	1,296	676	2,284	2,266	2,525	908
Seafood Sales, retail	Firms	70	62	62	78	59	64	59	62	57
	Receipts	9,075	6,128	6,171	7,314	5,409	5,933	5,528	4,905	4,421

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	42	42	41	45	55	53	50	47	52
	Employees	1,880	2,251	2,164	2,231	2,717	2,743	2,671	2,607	2,684
	Payroll	77,625	82,907	83,249	92,776	110,917	112,642	115,704	120,912	113,580
Seafood sales, wholesale	Establishments	247	229	212	207	163	148	151	139	160
	Employees	2,486	2,685	2,508	2,393	1,880	1,890	1,836	1,706	1,803
	Payroll	99,482	104,358	105,904	107,871	74,431	75,689	76,070	77,106	81,863
Seafood sales, retail	Establishments	111	109	115	126	124	128	116	115	126
	Employees	451	435	451	490	720	686	677	692	737
	Payroll	7,071	7,401	8,224	10,673	17,760	17,454	17,725	18,165	19,267

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	12	10	13	13	10	12	14
	Employees	585	ND ³	ND	ND	ND	688	ND	623	283
	Payroll	27,494	ND	ND	ND	ND	36,533	ND	38,421	18,620
Deep sea freight transportation	Establishments	14	12	14	12	10	10	10	11	12
	Employees	375	368	ND	ND	ND	ND	ND	509	ND
	Payroll	24,000	31,434	ND	ND	ND	ND	ND	38,982	ND
Deep sea passenger transportation	Establishments	2	2	2	2	1	1	4	4	1
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Marinas	Establishments	133	131	136	139	145	135	139	141	173
	Employees	838	865	996	988	969	989	973	1,064	1,154
	Payroll	28,090	30,790	34,865	35,169	40,700	41,474	43,103	45,894	51,705
Marine cargo handling	Establishments	3	6	7	7	6	6	5	4	5
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	69
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	2,867
Navigational services to shipping	Establishments	6	4	5	5	5	7	6	11	9
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	65
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	4,540
Port & harbor operations	Establishments	NA ⁴	NA	NA	NA	3	3	3	4	3
	Employees	NA	NA	NA	NA	ND	ND	ND	ND	69
	Payroll	NA	NA	NA	NA	ND	ND	ND	ND	647
Ship & boat building	Establishments	51	54	56	50	53	55	50	47	49
	Employees	601	599	577	617	ND	ND	588	ND	588
	Payroll	21,068	18,503	18,813	21,710	ND	ND	20,050	ND	26,445

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 the New Hampshire Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	371,868	208,042	7,492
Commercial Harvesters	36,426	16,251	635
Seafood Processors and Dealers	43,614	22,456	488
Seafood Wholesalers and Distributors	62,226	31,702	581
Retail Sectors	229,603	137,633	5,789

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	12,538	16,197	17,865	16,689	15,127	17,214	22,084	18,844	19,366	20,793
Finfish & Other	5,514	7,848	8,231	7,350	5,748	6,449	6,840	4,785	4,151	4,561
Shellfish	7,024	8,349	9,634	9,339	9,380	10,765	15,244	14,059	15,215	16,233
Cod, Atlantic	394	1,807	2,017	1,983	1,853	2,244	1,913	1,708	1,972	2,138
Goosefish	1,714	2,715	2,812	1,853	1,097	1,456	1,484	794	375	255
Haddock	104	187	181	134	144	157	136	132	123	75
Hake	550	463	367	321	303	200	279	219	244	ND ¹
Herring, Atlantic	148	306	399	783	1,170	1,147	1,255	199	147	ND ¹
Lobster	5,916	7,081	8,072	2	ND ¹	10,199	14,377	13,915	ND ¹	15,845
Pollock	1,430	1,045	891	847	589	569	1,138	1,221	902	ND ¹
Scallop, Sea	ND ¹	ND ¹	689	726	375	276	527	24	30	25
Shark, Spiny Dogfish	205	605	148	85	27	0	ND ¹	183	ND ¹	414
Shrimp	282	375	369	104	212	222	340	120	322	291

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	11,251	17,886	18,584	23,200	27,435	23,796	21,281	10,339	8,433	10,953
Finfish & Other	8,753	14,931	15,078	20,354	24,747	21,074	18,081	7,375	5,177	6,982
Shellfish	2,498	2,954	3,505	2,846	2,688	2,722	3,200	2,963	3,256	3,971
Cod, Atlantic	350	1,756	1,976	1,583	1,458	1,633	1,293	1,024	1,168	1,369
Goosefish	1,384	1,873	2,463	1,876	1,629	1,640	1,226	621	317	220
Haddock	74	134	135	95	108	123	99	73	61	44
Hake	888	1,094	820	557	729	405	372	241	313	ND ¹
Herring, Atlantic	2,443	5,582	7,015	14,125	18,933	15,589	12,562	2,020	936	ND ¹
Lobster	1,380	1,710	2,028	0	ND ¹	2,097	2,556	2,666	ND ¹	3,253
Pollock	1,641	1,337	1,183	997	1,109	1,202	1,997	2,566	2,036	ND ¹
Scallop, Sea	ND ¹	ND ¹	171	177	100	44	76	3	4	3
Shark, Spiny Dogfish	1,238	2,334	536	349	175	0	ND ¹	620	ND ¹	1,370
Shrimp	376	468	506	90	223	432	567	294	783	572

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Cod, Atlantic	1.13	1.03	1.02	1.25	1.27	1.37	1.48	1.67	1.69	1.56
Goosefish	1.24	1.45	1.14	0.99	0.67	0.89	1.21	1.28	1.18	1.16
Haddock	1.41	1.39	1.35	1.41	1.33	1.27	1.38	1.82	2.01	1.73
Hake	0.62	0.42	0.45	0.58	0.41	0.49	0.75	0.91	0.78	ND ¹
Herring, Atlantic	0.06	0.05	0.06	0.06	0.06	0.07	0.10	0.10	0.16	ND ¹
Lobster	4.29	4.14	3.98	3.86	ND ¹	4.86	5.62	5.22	ND ¹	4.87
Pollock	0.87	0.78	0.75	0.85	0.53	0.47	0.57	0.48	0.44	ND ¹
Scallop, Sea	ND ¹	ND ¹	4.04	4.10	3.76	6.22	6.89	7.44	8.26	7.79
Shark, Spiny Dogfish	0.17	0.26	0.28	0.24	0.16	0.18	ND ¹	0.30	ND ¹	0.30
Shrimp	0.75	0.80	0.73	1.16	0.95	0.51	0.60	0.41	0.41	0.51

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	129	10,582	6,200
Private Boat	47	4,833	2,921
Shore Mode	39	3,561	2,110
Total Durable Equipment Impacts	142	20,033	10,208
Total State Trip and Durable Equipment Economic Impacts	357	39,009	21,439

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

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	4,160	3,197	Fishing Tackle	10,859
Private Boat	717	4,166	Other Equipment	3,018
Shore	1,958	1,385	Boat Expenses	3,820
Total Trip Expenditures	6,835	8,748	Vehicle Expenses	8,008
			Second Home Expenses	0
			Total Durable Equipment Expenditures	25,705
Total State Trip and Durable Equipment Expenditures				41,288

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	55	77	68	60	91	81	105	90	97	63
Non-Coastal	8	10	13	11	16	13	14	15	13	8
Out of State	60	85	74	65	75	69	84	82	63	46
Total Anglers	123	172	154	137	182	163	203	187	172	118

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	25	34	83	29	35	39	47	88	94	82
Private Boat	112	145	177	143	230	141	236	192	248	147
Shore	147	189	100	147	150	181	237	267	196	119
Total Trips	285	368	360	318	416	360	520	547	538	349

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	5	4	15	13	25	10	26	15	7	7
	R	146	210	164	238	260	197	513	568	289	84
Bluefish	H	4	1	8	19	8	21	23	10	32	6
	R	5	1	14	14	17	10	42	26	18	2
Bottomfish, Unidentified	H	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	R	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Cod, Atlantic	H	39	70	164	39	108	44	69	61	51	73
	R	68	148	184	70	208	56	143	225	221	198
Flounder or Sole, Unidentified	H	11	8	9	8	7	2	3	10	13	14
	R	6	8	6	10	3	2	3	5	10	8
Flounder, Winter	H	(1)	4	(1)	(1)	(1)	2	1	(1)	5	(1)
	R	1	9	2	5	1	2	4	6	2	2
Haddock	H	7	17	36	19	44	51	107	120	95	81
	R	7	29	50	43	128	17	36	86	41	18
Mackerel, Atlantic	H	446	581	828	212	409	86	333	153	151	573
	R	109	120	297	69	61	10	25	31	11	58
Pollock	H	74	177	167	89	63	53	49	80	56	53
	R	110	293	265	63	42	28	29	39	15	18
Tuna, Bluefin	H	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	R	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

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

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

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	36,842 (0.5%)	518,526 (0.5%)	14,864 (0.5%)	26,752 (0.5%)	39,102 (0.5%)	0.08
2007	39,453 (0.5%)	573,209 (0.5%)	22,791 (0.5%)	34,872 (0.4%)	57,820 (0.4%)	ND
% change	6.9%	11.4%	47.3%	25.7%	43.4%	--

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	7	4	4	4	5
	Receipts	ND ⁴	NA	NA	ND	1,205	1,147	842	1,087	927
Seafood Sales, retail	Firms	7	6	8	9	14	15	11	10	11
	Receipts	850	419	1,055	862	960	1,438	1,330	1,496	1,540

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	8	10	8	9	11	10	10	10	7
	Employees	298	298	ND	368	322	448	418	ND	ND
	Payroll	9,377	9,952	ND	13,452	13,676	18,886	16,275	ND	ND
Seafood sales, wholesale	Establishments	16	14	14	14	11	12	10	9	8
	Employees	ND	68	75	78	ND	82	ND	ND	92
	Payroll	ND	1,813	2,222	2,093	ND	2,511	ND	ND	3,360
Seafood sales, retail	Establishments	7	7	9	9	12	12	12	15	15
	Employees	ND	ND	ND	ND	ND	ND	79	78	93
	Payroll	ND	ND	ND	ND	ND	ND	2,053	2,201	2,077

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Coastal & Great Lakes freight transportation	Establishments	NA	1	1	1	NA	NA	1	1	1
	Employees	NA	ND	ND	ND	NA	NA	ND	ND	ND
	Payroll	NA	ND	ND	ND	NA	NA	ND	ND	ND
Deep sea freight transportation	Establishments	1	2	1	1	1	1	2	2	1
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Deep sea passenger transportation	Establishments	1	1	1	1	NA	NA	NA	NA	NA
	Employees	ND	ND	ND	ND	NA	NA	NA	NA	NA
	Payroll	ND	ND	ND	ND	NA	NA	NA	NA	NA
Marinas	Establishments	43	39	42	36	40	40	38	35	35
	Employees	233	249	209	228	196	226	194	ND	171
	Payroll	6,757	7,768	8,135	10,872	9,043	9,315	8,871	ND	7,774
Navigational services to shipping	Establishments	2	2	2	2	3	3	4	4	2
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Port & harbor operations	Establishments	1	1	1	1	NA	NA	NA	NA	NA
	Employees	ND	ND	ND	ND	NA	NA	NA	NA	NA
	Payroll	ND	ND	ND	ND	NA	NA	NA	NA	NA
Ship & boat building	Establishments	4	5	6	8	10	8	6	6	8
	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.

³ NA = Data are not available.

⁴ ND = Data are suppressed due to confidentiality restrictions.

2008 Economic Impacts of the Rhode Island Seafood Industry (thousands of dollars)

	Sales Impacts	Income Impacts	Job Impacts
Total Impacts	520,340	280,174	10,626
Commercial Harvesters	106,749	45,712	1,904
Seafood Processors & Dealers	38,214	13,863	339
Seafood Wholesalers & Distributors	78,556	40,525	737
Retail Sector	296,821	180,075	7,645

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	86,034	80,965	68,657	64,718	66,088	77,452	91,414	98,576	73,539	66,647
Finfish & Other	27,353	26,949	26,503	25,115	24,408	25,826	24,676	28,178	24,996	22,831
Shellfish	58,682	54,016	42,154	39,602	41,679	51,627	66,738	70,397	48,543	43,817
Clam, Quahog	4,665	7,991	7,208	7,043	6,370	5,870	3,439	3,528	5,080	5,851
Flounder, Summer	3,766	3,800	3,787	3,992	4,060	5,308	5,868	5,045	4,416	4,573
Flounders, All Other	3,337	3,962	3,085	3,194	2,728	2,137	1,734	3,502	3,585	2,106
Goosefish	6,652	6,892	5,455	4,757	4,813	3,418	4,547	4,501	3,533	3,545
Herring, Atlantic	1,865	2,337	2,295	1,312	1,195	1,213	1,075	2,667	982	634
Lobster	31,616	28,103	18,747	15,875	16,731	14,623	23,009	18,392	12,146	12,887
Mackerel, Atlantic	848	444	280	3,031	2,385	3,813	2,888	3,293	1,182	ND ¹
Scallop, Sea	ND ¹	1,392	684	ND ¹	279	1,511	13,268	20,783	8,963	2,022
Scups or Porgies	1,672	1,252	1,282	2,229	2,098	1,982	2,323	2,785	2,783	2,314
Squid	16,128	12,937	11,596	13,208	14,319	25,015	16,974	16,731	ND ¹	4,147

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total Landings	125,924	121,371	116,713	103,530	97,456	114,993	97,564	112,884	75,208	71,709
Finfish & Other	83,085	82,008	82,871	70,552	62,340	62,282	47,819	60,868	40,864	34,364
Shellfish	42,839	39,363	33,842	32,978	35,116	52,711	49,745	52,016	34,344	37,345
Clam, Quahog	860	1,409	1,220	1,192	1,131	1,080	642	679	615	567
Flounder, Summer	1,635	1,704	1,799	2,286	2,178	3,085	2,925	2,123	1,516	1,468
Flounders, All Other	2,899	4,070	3,148	2,781	2,428	2,360	1,315	1,850	1,872	1,097
Goosefish	7,526	5,897	6,081	5,148	6,830	4,284	4,143	3,864	3,117	3,072
Herring, Atlantic	36,362	40,414	36,400	12,774	13,440	13,639	11,605	23,150	7,537	4,511
Lobster	8,156	6,908	4,452	3,835	3,475	3,064	4,344	3,750	2,299	2,756
Mackerel, Atlantic	4,335	1,939	1,131	20,930	10,768	15,269	8,075	10,143	4,242	ND ¹
Scallop, Sea	ND ¹	238	181	ND ¹	76	249	1,612	3,290	1,357	290
Scups or Porgies	1,280	1,017	1,617	3,675	3,814	3,425	3,424	3,643	3,934	2,133
Squid	20,233	26,051	22,769	23,713	25,862	43,539	22,135	21,296	ND ¹	11,757

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Clam, Quahog	5.42	5.67	5.91	5.91	5.63	5.44	5.35	5.20	8.26	10.32
Flounder, Summer	2.30	2.23	2.11	1.75	1.86	1.72	2.01	2.38	2.91	3.11
Flounders, All Other	1.15	0.97	0.98	1.15	1.12	0.91	1.32	1.89	1.91	1.92
Goosefish	0.88	1.17	0.90	0.92	0.70	0.80	1.10	1.16	1.13	1.15
Herring, Atlantic	0.05	0.06	0.06	0.10	0.09	0.09	0.09	0.12	0.13	0.14
Lobster	3.88	4.07	4.21	4.14	4.82	4.77	5.30	4.91	5.28	4.68
Mackerel, Atlantic	0.20	0.23	0.25	0.14	0.22	0.25	0.36	0.32	0.28	ND ¹
Scallop, Sea	ND ¹	5.86	3.78	ND ¹	3.67	6.07	8.23	6.32	6.61	6.98
Scups or Porgies	1.31	1.23	0.79	0.61	0.55	0.58	0.68	0.76	0.71	1.08
Squid	0.80	0.50	0.51	0.56	0.55	0.57	0.77	0.79	ND ¹	0.35

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	93	8,551	5,112
Private Boat	310	29,159	17,467
Shore	339	28,435	16,350
Total Durable Equipment Impacts	725	100,312	43,267
Total State Trip and Durable Equipment Economic Impacts	1,467	166,457	82,197

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

Fishing Mode	Trip Expenditures		Durable Equipment Expenditures	Expenditures
	Non-Residents	Residents		
For-Hire	5,234	1,212	Fishing Tackle	58,573
Private Boat	17,276	12,567	Other Equipment	18,408
Shore	19,222	6,331	Boat Expenses	17,886
Total Trip Expenditures	41,732	20,110	Vehicle Expenses	23,819
			Second Home Expenses	1,914
			Total Durable Equipment Expenditures	120,602
Total State Trip and Durable Equipment Expenditures				182,444

Recreational Anglers by Residential Area (thousands of anglers)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Coastal	108	112	137	134	147	129	145	177	171	169
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	214	184	260	214	253	237	241	291	229	297
Total Anglers	321	296	397	348	400	366	386	468	401	465

Recreational Fishing Effort by Mode (thousands of trips)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
For-Hire	22	40	20	37	60	51	48	52	61	60
Private Boat	577	737	687	595	582	615	772	671	621	783
Shore	663	596	789	880	952	836	790	982	863	778
Total Trips	1,262	1,373	1,496	1,512	1,595	1,503	1,611	1,704	1,545	1,621

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
Atlantic Bonito	H	25	3	2	11	2	6	1	(1)	4	(1)
	R	26	1	1	1	4	5	1	(1)	5	1
Bass, Striped	H	56	95	80	78	115	85	113	74	102	56
	R	360	542	377	530	449	670	741	1,356	741	436
Bluefish	H	330	280	365	325	334	307	310	362	327	337
	R	784	497	893	801	932	818	558	655	860	459
Cod, Atlantic	H	37	39	6	6	1	3	1	2	1	2
	R	13	20	2	8	5	3	2	2	1	1
Flounder, Summer	H	432	807	268	191	205	288	188	264	232	207
	R	440	921	392	770	351	297	341	1,044	867	968
Flounder, Winter	H	74	51	82	30	8	8	1	1	1	1
	R	32	17	17	20	1	3	(1)	(1)	3	1
Porgies (Scup)	H	719	1,235	1,134	603	1,027	908	446	428	452	569
	R	279	876	1,074	933	805	517	666	884	736	1,286
Sea bass, Black	H	25	197	123	78	70	53	56	53	54	51
	R	121	401	151	241	205	39	52	259	162	168
Tuna, Yellowfin	H	2	5	1	1	2	(1)	1	(1)	(1)	(1)
	R	(1)	(1)	(1)	(1)	11	(1)	1	(1)	(1)	(1)
Wrasses (Tautog)	H	52	39	40	62	120	173	106	81	164	99
	R	153	64	74	135	197	153	212	188	205	134

¹All Rhode Island 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.

Rhode Island's State Economy (% of national total)

	Establishments	Employees	Annual Payroll (\$ millions)	Employee Compensation (\$ millions) ¹	Gross State Product (\$ millions)	Commercial Location Quotient ²
1998	28,245 (0.4%)	402,485 (0.4%)	11,116 (0.3%)	20,063 (0.3%)	29,537 (0.3%)	2.88
2007	30,359 (0.4%)	441,353 (0.4%)	16,976 (0.3%)	26,026 (0.3%)	46,699 (0.3%)	3.04
% change	7.5%	9.7%	52.7%	29.7%	58.0%	5.5%

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	6	8	8
	Receipts	ND ⁴	ND	ND	ND	ND	ND	2,024	1,662	2,291
Seafood Sales, retail	Firms	11	14	17	20	16	14	16	24	23
	Receipts	1,505	1,860	2,577	2,433	2,227	2,186	2,215	3,266	3,536

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

		1999	2000	2001	2002	2003	2004	2005	2006	2007
Seafood product preparation & packaging	Establishments	6	6	6	9	7	7	7	7	6
	Employees	241	227	240	184	355	355	270	231	196
	Payroll	6,681	7,184	7,581	7,284	10,381	10,867	5,549	6,137	6,876
Seafood sales, wholesale	Establishments	43	40	41	39	38	35	32	36	35
	Employees	393	411	382	380	394	259	206	188	224
	Payroll	12,471	13,153	14,250	14,505	15,724	12,269	9,851	10,209	11,447
Seafood sales, retail	Establishments	24	26	26	27	29	34	31	28	27
	Employees	102	97	ND	151	162	163	140	ND	109
	Payroll	2,018	2,596	ND	3,015	2,870	2,707	2,447	ND	2,207

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	1	2	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
Deep sea freight transportation	Establishments	1	2	2	1	1	2	2	2	2
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Deep sea passenger transportation	Establishments	3	3	3	2	3	NA	NA	NA	1
	Employees	ND	ND	ND	ND	ND	NA	NA	NA	ND
	Payroll	ND	ND	ND	ND	ND	NA	NA	NA	ND
Marinas	Establishments	51	55	54	56	61	60	66	63	68
	Employees	414	504	555	522	405	475	408	457	463
	Payroll	13,146	14,698	18,967	17,609	14,456	15,111	15,843	18,748	22,029
Marine cargo handling	Establishments	3	4	3	3	1	1	1	2	2
	Employees	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Payroll	ND	ND	ND	ND	ND	ND	ND	ND	ND
Navigational services to shipping	Establishments	8	8	9	10	8	8	8	7	7
	Employees	ND	ND	ND	36	46	ND	ND	ND	ND
	Payroll	ND	ND	ND	2,162	2,585	ND	ND	ND	ND
Port & harbor operations	Establishments	1	1	NA	NA	2	2	2	2	2
	Employees	ND	ND	NA	NA	ND	ND	ND	ND	ND
	Payroll	ND	ND	NA	NA	ND	ND	ND	ND	ND
Ship & boat building	Establishments	32	28	33	31	37	38	36	38	37
	Employees	ND	1,079	ND	1,329	ND	ND	ND	1,325	1,374
	Payroll	ND	37,259	ND	47,328	ND	ND	ND	52,682	55,788

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.

