

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.