

News Release

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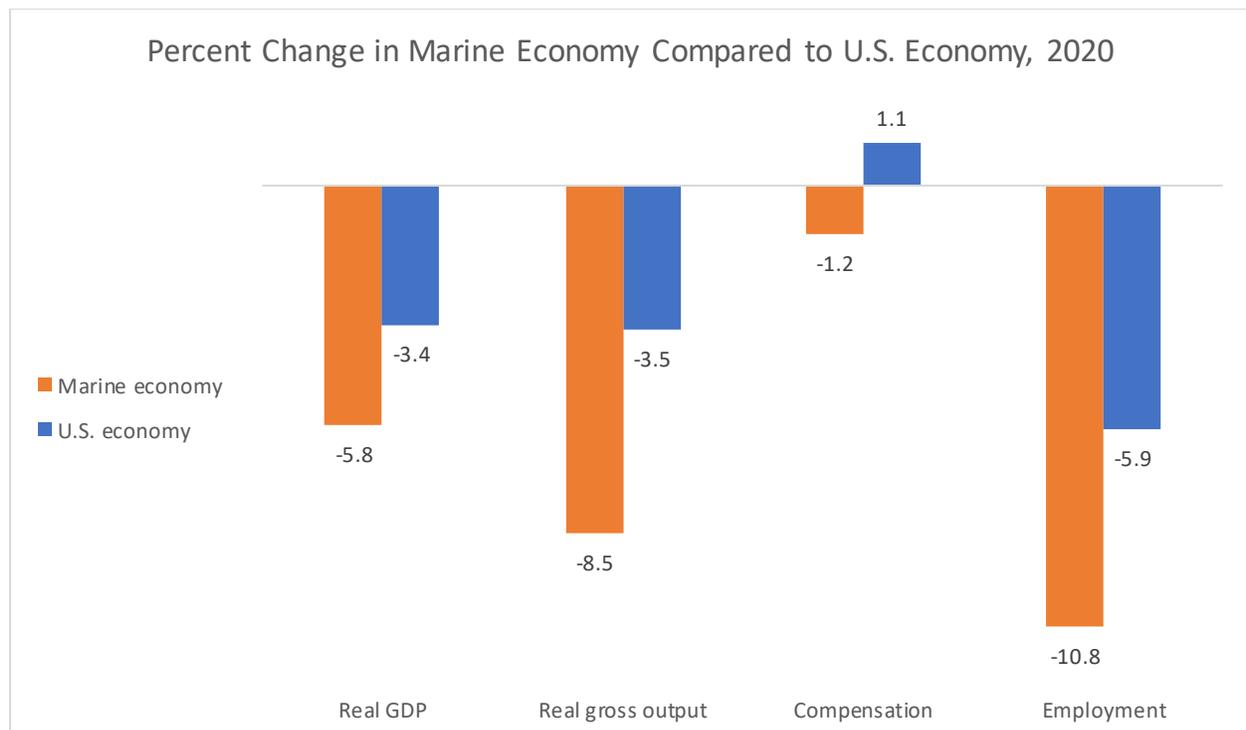
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Marine Economy Satellite Account, 2020

New statistics for 2020; prior years updated

The Marine Economy Satellite Account (MESA) statistics released today by the U.S. Bureau of Economic Analysis (BEA) show the marine economy accounted for 1.7 percent (table 3), or \$361.4 billion (table 2), of current-dollar U.S. gross domestic product (GDP) in 2020 and 1.7 percent, or \$610.3 billion, of current-dollar gross output (table 8).

Real (inflation-adjusted) GDP for the marine economy decreased 5.8 percent from 2019 to 2020, compared with a 3.4 percent decrease for the overall U.S. economy. Real gross output for the marine economy decreased 8.5 percent, while marine economy compensation decreased 1.2 percent, and employment decreased 10.8 percent.



Today's release also reflects updated statistics for 2014–2019. Gross output, value added, employment, and compensation were updated to include the results of the 2021 annual update of the [National Economic Accounts](#), which includes the Industry Economic Accounts. The updated statistics reflect newly available and revised source data as well as methodological improvements.

COVID-19 Impact on the Marine Economy Satellite Account

Marine economy estimates, including tourism and recreation estimates, were impacted by the response to the spread of COVID–19 in 2020, as governments issued and lifted "stay-at-home" orders. This led to rapid changes in demand, as consumers canceled, restricted, or redirected their spending. The U.S. government passed several laws to support and sustain businesses and individuals through the pandemic. The full economic effects of the COVID–19 pandemic cannot be quantified in the marine economy estimates because the impacts are generally embedded in source data and cannot be separately identified. For more information, refer to "[Federal Recovery Programs and BEA Statistics](#)."

Marine Economy by Activity

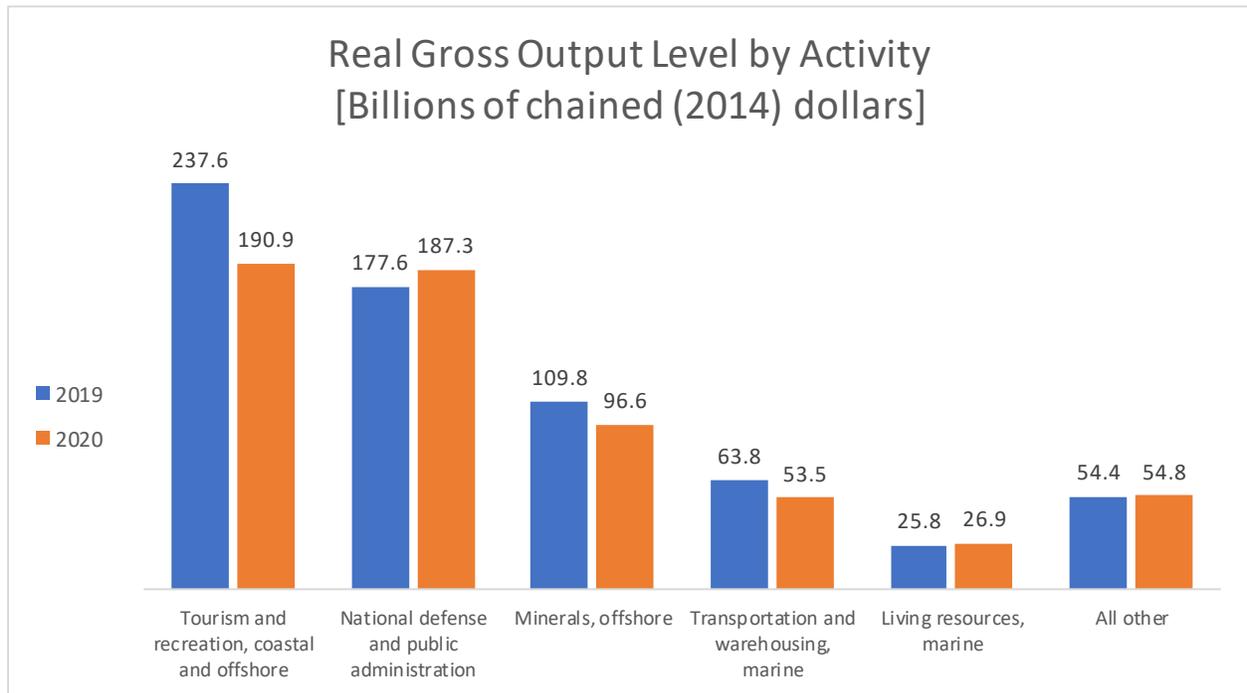
Marine economy activities fall into the following 10 general categories:

- Living resources, marine
- Construction, coastal and marine
- Research and education, marine
- Transportation and warehousing, marine
- Professional and technical services, marine
- Minerals, offshore
- Utilities, coastal
- Ship and boat building, nonrecreational
- Tourism and recreation, coastal and offshore
- National defense and public administration

MESA real gross output—principally a measure of the marine economy's inflation-adjusted sales or receipts, which includes sales to final users in the economy (GDP) and sales to other industries (intermediate inputs)—decreased \$57.3 billion in 2020 (table 7). Marine economy activity highlights for 2020 include the following:

- **Tourism and recreation, coastal and offshore** declined 19.7 percent (\$46.7 billion) to a level of \$190.9 billion, making it the largest contributor to the decline in MESA gross output.
- **Minerals, offshore** declined 12.0 percent (\$13.2 billion) to a level of \$96.6 billion, making it the second-largest contributor to the overall decline.

- **Transportation and warehousing, marine** decreased 16.1 percent (\$10.3 billion) to a level of \$53.5 billion.
- **National defense and public administration, marine** was the largest offset to the decline in MESA real gross output, increasing 5.5 percent (\$9.7 billion) to a level of \$187.3 billion.



U.S. Bureau of Economic Analysis

Marine Economy by Industry

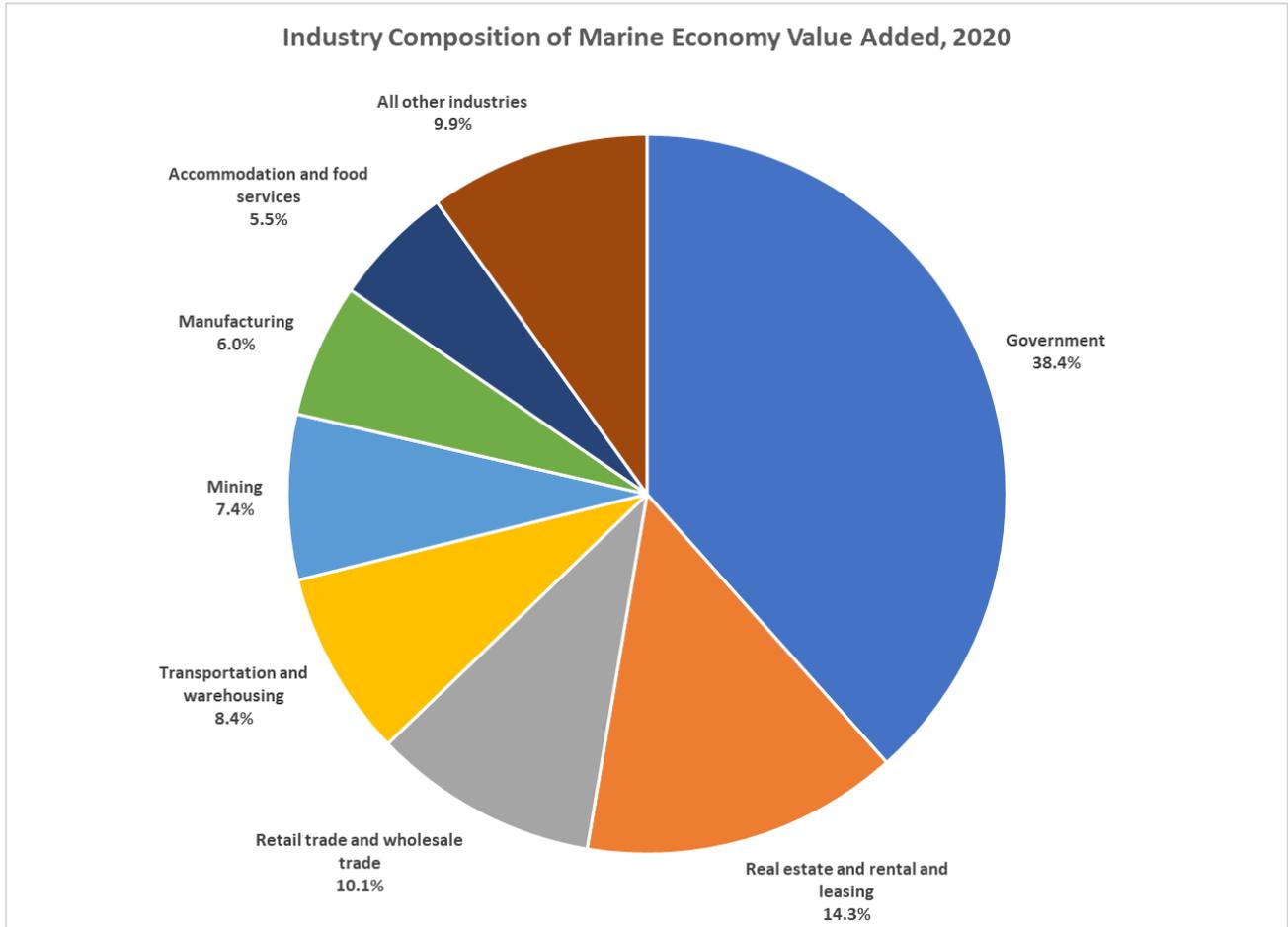
The marine economy by industry data, including value added (or GDP by industry), gross output, employment, and compensation, show the contribution of different industries to the marine economy.

Marine economy industry highlights for 2020 include the following:

- **Government** – as a share of marine economy current-dollar value added — was the largest sector, accounting for 38.4 percent (\$138.7 billion) (table 6), and was the largest industry sector for compensation (\$89.3 billion) and for employment (704,000 full- and part-time equivalent jobs).
- **Real estate and rental and leasing** had the second-largest share of the marine economy, accounting for 14.3 percent (\$51.6 billion) of current-dollar value added.
- **Transportation and warehousing** accounted for 8.4 percent (\$30.2 billion) of marine economy value added, with the second-largest level of compensation (\$22.7 billion). Half of the compensation level

was from **other transportation and support activities**, which includes scenic and sightseeing transportation as well as transportation support activities.

- **Accommodation and food services** accounted for 5.5 percent (\$19.8 billion) of value added and showed the second-largest level for employment (353,000) in 2020.



U.S. Bureau of Economic Analysis

The Marine Economy Satellite Account Estimation Methods

The Marine Economy Satellite Account measures the economic activity associated with the marine economy, identifies the industries responsible for producing these goods and services, and measures the output, value added, compensation, and employment associated with that production. Like other BEA satellite accounts, the MESA was built on BEA's comprehensive supply-use framework. The supply-use tables provide a detailed look at the relationships among industries and how each industry contributes to GDP. In practice, the MESA is a rearrangement of the published supply-use tables with new estimation methods that isolate marine-related spending and production. A variety of private and public data sources were used to identify marine-related spending and production to develop the MESA estimates.

An important feature of the MESA is the presentation of estimates of gross output and value added by marine economic activity, in addition to the traditional presentation of estimates by industry. This allows for the marine economy to be better analyzed in areas where significant economic activity occurs across a variety of traditional industries. For example, the marine tourism and recreation activity spans a variety of traditional industries, which can create difficulties when attempting to analyze the magnitude and growth of marine tourism and recreation. By presenting the statistics by activity, the MESA allows for a more focused examination of marine economic activity in the United States.

The geographic scope of the MESA includes the Atlantic, Pacific, and Arctic Oceans within the Exclusive Economic Zone (approximately 200 nautical miles off the U.S. coast) as well as marginal seas, such as the Gulf of Mexico, Chesapeake Bay, Puget Sound, Long Island Sound, San Francisco Bay, and others. Also included is the U.S. shoreline directly along these bodies of water. Furthermore, the Great Lakes are included up to the international boundary with Canada.

For additional information on the marine economy statistics as well as the data sources and methodology that underlie their preparation, refer to [*Defining and Measuring the U.S. Ocean Economy*](#).

The Marine Economy Satellite Account was produced in partnership with the National Oceanic and Atmospheric Administration.

Additional Information

Resources

- Find the latest information and the full set of tables for the Marine Economy Satellite Account (MESA) at BEA's [marine economy page](#).
- The full economic effects of the COVID-19 pandemic cannot be quantified in these statistics because the impacts are generally embedded in source data and cannot be separately identified. For more information about COVID-19 impacts, refer to [Federal Recovery Programs and BEA Statistics](#) on our website.
- Stay informed about BEA developments by reading BEA's blog (the [Wire](#)), signing up for BEA's email subscription service, or following BEA on Twitter @BEA_News.
- Access BEA data by registering for BEA's Data [Application Programming Interface](#) (API).
- For more on BEA's statistics, see our monthly online journal, the [Survey of Current Business](#).
- For upcoming economic indicators, see BEA's [news release schedule](#).

Definitions

Gross domestic product (GDP) or value added is the value of the goods and services produced by the nation's economy less the value of the goods and services used up in production. GDP is also equal to the sum of personal consumption expenditures, gross private domestic investment, net exports of goods and services, and government consumption expenditures and gross investment.

Gross output (GO) is the value of the goods and services produced by the nation's economy. It is principally measured using industry sales or receipts, including sales to final users (GDP) and sales to other industries (intermediate inputs).

Current-dollar estimates are valued in the prices of the period when the transactions occurred—that is, at “market value.” Also referred to as “nominal estimates” or as “current-price estimates.”

Chained-dollar estimates are calculated by taking the current-dollar level of a series in the base period and multiplying it by the change in the chained-type quantity index number for the series since the base period. Chained-dollar estimates correctly show growth rates for a series but are not additive in periods other than the base period.

MESA employment consists of all full-time, part-time, and temporary wage-and-salary jobs where the workers are engaged in the production of marine economy goods and services. Self-employed individuals are excluded from employment totals.

MESA compensation consists of the pay to employees (including wages and salaries and benefits such as employer contributions to pension and health funds) in return for their marine economy-related work during a given year. Pay to the self-employed is excluded from compensation but included in value added.

MESA value added (also referred to as GDP) consists of the value of marine economy goods and services produced less the value of expenses incurred for their production. The activity of self-employed individuals is included in value added.

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[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 Total Marine Economy	382,684	385,015	378,977	375,429	378,565	387,310	364,682
2 Living resources, marine	11,635	12,450	12,329	12,565	12,478	12,582	12,957
3 Commercial harvest, seafood markets, and processing	10,986	11,605	11,381	11,441	11,165	10,964	10,607
4 Commercial harvest and seafood markets	7,138	7,495	7,687	7,726	7,774	7,760	7,459
5 Seafood processing	3,848	4,107	3,723	3,743	3,457	3,294	3,224
6 Fish-based animal foods	59	80	87	84	80	90	81
7 Pharmaceuticals, marine-based	589	761	850	1,020	1,206	1,497	2,201
8 Construction, coastal and marine	3,161	3,160	3,685	3,644	3,594	4,349	4,409
9 Conservation	1,846	1,859	2,529	2,565	2,384	2,427	2,536
10 Dredging	142	140	189	160	195	440	375
11 Recreation facilities	1,174	1,160	965	918	1,009	1,464	1,480
12 Research and education, marine	6,084	6,458	6,553	6,436	6,512	6,899	7,393
13 Scientific research	3,671	3,933	4,126	4,033	4,384	4,589	5,086
14 National defense R&D	110	114	106	102	105	107	102
15 Federal nondefense R&D	1,074	1,162	1,214	1,260	1,319	1,354	1,276
16 State and local R&D	1,362	1,538	1,559	1,621	1,686	1,692	1,619
17 Nonacademic R&D	1,125	1,123	1,245	1,054	1,273	1,429	2,052
18 Educational programs and courses	2,227	2,327	2,227	2,209	1,955	2,119	2,157
19 Vocational training	142	148	154	143	147	161	137
20 Laboratories	45	50	53	57	50	51	45
21 Transportation and warehousing, marine	24,835	23,002	20,794	20,650	21,637	22,087	22,388
22 Freight transportation	17,417	16,347	15,688	14,997	14,693	14,005	14,878
23 Passenger transportation	6,037	5,250	3,744	3,986	4,997	6,024	5,028
24 Warehousing and storage	1,381	1,420	1,648	1,858	2,052	2,248	2,404
25 Professional and technical services, marine	3,197	3,474	3,578	3,271	3,279	3,157	3,046
26 Minerals, offshore	80,819	80,132	73,930	68,073	67,101	72,063	66,940
27 Oil and gas	79,129	78,502	72,282	66,115	65,137	70,258	65,294
28 Sand and gravel	1,326	1,292	1,341	1,532	1,501	1,418	1,324
29 Support services	364	337	272	260	288	278	235
30 Utilities, coastal	7,631	8,816	9,851	10,012	8,826	8,343	8,687
31 Traditional power generation	7,631	8,816	9,851	10,012	8,826	8,343	8,687
32 Ship and boat building, nonrecreational	6,414	7,846	7,160	6,509	7,142	7,460	8,036
33 Ship building ¹	5,182	6,446	5,939	5,344	5,841	6,285	7,022
34 Barges and other nonpropelled ships	115	89	95	86	75	60	47
35 Military ships	4,751	6,041	5,526	4,963	5,451	5,930	6,752
36 Other ships	316	318	318	294	315	296	229
37 Boat building ²	1,232	1,402	1,225	1,166	1,301	1,188	1,058
38 Fishing boats	73	60	46	30	32	30	23
39 Tugboats and towboats	224	244	260	258	273	256	198
40 Outboard motorboats	90	130	89	77	87	56	57
41 Inboard motorboats	277	375	277	286	386	354	355
42 Other boats	568	594	552	512	515	487	413
43 Tourism and recreation, coastal and offshore	125,435	127,068	127,040	129,999	135,258	136,840	111,852
44 Guided tours	7,220	6,480	5,695	6,519	7,484	6,682	3,477
45 Water guided tours	4,347	3,833	3,198	3,974	4,378	4,106	1,868
46 Other scenic tours	2,873	2,646	2,498	2,544	3,105	2,575	1,609
47 Recreational fishing, offshore	1,426	1,587	2,110	2,356	2,461	2,319	2,391
48 Boating and paddling, offshore	22,710	22,597	21,723	22,494	23,422	23,960	19,445
49 Sailing	1,131	1,118	1,188	1,196	1,166	1,243	885
50 Motorboating	15,265	15,420	15,004	15,430	15,848	16,128	13,160
51 Canoeing	35	36	39	40	38	43	42
52 Kayaking	130	128	126	128	128	129	159
53 Other boating and paddling ³	6,150	5,895	5,354	5,695	6,245	6,421	5,204
54 Other water activities ⁴	1,625	1,818	1,792	1,812	1,850	2,053	2,337
55 Other coastal recreation	15,513	15,740	15,479	15,841	16,584	16,904	14,678
56 Maritime museums and cultural institutions	1,101	868	927	888	964	919	793
57 Beachgoing	132	132	130	135	135	145	126
58 Amusement parks	1,446	1,516	1,587	1,482	1,586	1,542	841
59 Hiking and camping	746	749	719	778	811	961	999
60 Rving	5,124	5,056	4,777	4,947	5,261	5,441	4,971
61 Photography	179	265	206	192	182	197	215
62 Other general expenses	6,783	7,160	7,128	7,437	7,642	7,707	6,902
63 Trips and travel, coastal	76,941	78,855	80,258	81,002	83,478	84,984	69,838
64 Eating and drinking places	10,316	10,684	11,008	11,305	11,558	11,812	8,653
65 Hotel and lodging places	51,432	52,559	51,939	52,575	53,016	53,820	49,162

Table 1. Real Marine Economy Value Added by Activity

[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
66 Travel arrangement services	1,359	1,528	1,622	1,763	1,929	1,933	700
67 Transportation services	13,834	14,085	15,737	15,378	17,130	17,589	10,772
68 National defense and public administration	113,474	112,194	112,109	110,332	107,940	109,608	115,120
69 National defense and coast guard	107,073	106,074	105,910	103,783	101,267	102,870	107,969
70 Federal public administration	6,023	5,748	5,816	6,156	6,246	6,294	6,747
71 State and local public administration	378	372	383	389	419	438	394

Legend / Footnotes:

1. Consists of government and commercial vessels built in shipyards. Vessels include (but not limited to): naval surface combatants, cargo ships, barges, oil drilling platforms, passenger ships, tugboats, research vessels, submarines, and fishing vessels.
2. Consists of government and commercial vessels not built in shipyards. Vessels include (but not limited to): commercial fishing boats, motorboats (inboard and outboard), inflatables, tour boats, sailboats, and underwater remote operated vehicles. Activity associated with the manufacture of boats and other water craft used for recreational purposes is included in tourism and recreation sector.
3. Consists of (but not limited to) hovercraft, personal watercrafts, pontoon boats, life rafts and associated expenses such as repair services, insurance, fuel, etc.
4. Consists of swimming, snorkeling, SCUBA diving, surfing, and related water activities.

Note: Chained (2014) dollar series are calculated as the product of the chain-type quantity index and the 2014 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table 2. Marine Economy Value Added by Activity

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 Total Marine Economy	382,684	366,398	359,378	368,083	387,767	400,642	361,361
2 Living resources, marine	11,635	12,247	12,649	12,850	13,800	14,390	15,066
3 Commercial harvest, seafood markets, and processing	10,986	11,370	11,662	11,679	12,382	12,546	12,281
4 Commercial harvest and seafood markets	7,138	7,076	7,616	7,391	8,092	7,994	7,745
5 Seafood processing	3,848	4,294	4,046	4,288	4,291	4,552	4,536
6 Fish-based animal foods	59	61	66	69	69	70	73
7 Pharmaceuticals, marine-based	589	815	921	1,102	1,349	1,774	2,712
8 Construction, coastal and marine	3,161	3,283	3,866	3,906	3,948	5,020	5,222
9 Conservation	1,846	1,945	2,644	2,727	2,587	2,778	2,968
10 Dredging	142	147	198	171	212	506	443
11 Recreation facilities	1,174	1,192	1,024	1,008	1,149	1,735	1,811
12 Research and education, marine	6,084	6,502	6,630	6,654	6,952	7,519	8,330
13 Scientific research	3,671	3,900	4,070	4,064	4,586	4,890	5,613
14 National defense R&D	110	112	106	102	109	113	112
15 Federal nondefense R&D	1,074	1,184	1,263	1,334	1,455	1,539	1,507
16 State and local R&D	1,362	1,450	1,456	1,541	1,654	1,665	1,607
17 Nonacademic R&D	1,125	1,153	1,245	1,088	1,368	1,574	2,388
18 Educational programs and courses	2,227	2,397	2,341	2,371	2,146	2,389	2,505
19 Vocational training	142	153	164	158	166	183	161
20 Laboratories	45	51	55	60	54	56	50
21 Transportation and warehousing, marine	24,835	25,444	24,027	24,905	26,711	27,472	23,908
22 Freight transportation	17,417	17,610	16,427	17,142	18,089	18,313	17,775
23 Passenger transportation	6,037	6,383	5,907	5,799	6,363	6,718	3,548
24 Warehousing and storage	1,381	1,451	1,693	1,963	2,260	2,441	2,586
25 Professional and technical services, marine	3,197	3,537	3,648	3,308	3,304	3,295	3,440
26 Minerals, offshore	80,819	53,806	44,785	47,428	53,316	52,740	34,970
27 Oil and gas	79,129	52,292	43,329	45,660	51,468	51,006	33,316
28 Sand and gravel	1,326	1,163	1,164	1,483	1,523	1,409	1,380
29 Support services	364	352	292	286	325	324	275
30 Utilities, coastal	7,631	8,221	8,086	8,134	8,284	8,661	8,211
31 Traditional power generation	7,631	8,221	8,086	8,134	8,284	8,661	8,211
32 Ship and boat building, nonrecreational	6,414	7,962	7,260	6,424	6,794	7,115	7,761
33 Ship building ¹	5,182	6,508	5,954	5,225	5,506	5,884	6,610
34 Barges and other nonpropelled ships	115	89	93	82	68	62	50
35 Military ships	4,751	6,080	5,521	4,842	5,144	5,543	6,332
36 Other ships	316	338	340	301	294	279	228
37 Boat building ²	1,232	1,455	1,306	1,199	1,287	1,231	1,151
38 Fishing boats	73	64	49	31	30	28	23
39 Tugboats and towboats	224	259	278	264	255	243	198
40 Outboard motorboats	90	132	93	77	90	65	68
41 Inboard motorboats	277	380	298	306	419	406	421
42 Other boats	568	621	588	521	494	489	439
43 Tourism and recreation, coastal and offshore	125,435	131,145	133,185	139,055	148,316	153,753	125,246
44 Guided tours	7,220	6,841	6,250	7,226	8,494	7,902	4,300
45 Water guided tours	4,347	4,045	3,512	4,414	4,971	4,870	2,305
46 Other scenic tours	2,873	2,796	2,738	2,812	3,524	3,032	1,996
47 Recreational fishing, offshore	1,426	1,600	2,131	2,360	2,418	2,417	2,462
48 Boating and paddling, offshore	22,710	23,166	22,012	23,239	24,950	25,685	20,829
49 Sailing	1,131	1,161	1,266	1,256	1,263	1,397	1,034
50 Motorboating	15,265	15,811	15,370	16,031	16,986	17,619	14,457
51 Canoeing	35	37	41	42	41	49	49
52 Kayaking	130	132	133	139	146	154	191
53 Other boating and paddling ³	6,150	6,025	5,201	5,771	6,514	6,466	5,097
54 Other water activities ⁴	1,625	1,858	1,857	1,859	1,911	2,178	2,563
55 Other coastal recreation	15,513	16,028	15,769	16,246	17,108	17,656	14,999
56 Maritime museums and cultural institutions	1,101	902	990	976	1,081	1,054	966
57 Beachgoing	132	132	133	137	136	148	133
58 Amusement parks	1,446	1,612	1,789	1,729	1,900	1,943	1,172
59 Hiking and camping	746	795	735	796	845	1,007	1,044
60 Rving	5,124	5,209	4,889	5,212	5,705	5,892	5,165
61 Photography	179	252	179	171	163	168	190
62 Other general expenses	6,783	7,126	7,053	7,223	7,278	7,444	6,329
63 Trips and travel, coastal	76,941	81,652	85,167	88,124	93,434	97,914	80,093
64 Eating and drinking places	10,316	11,245	12,065	12,717	13,398	14,154	11,230
65 Hotel and lodging places	51,432	54,356	55,619	58,033	60,582	63,637	57,971

Table 2. Marine Economy Value Added by Activity

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020	
66	Travel arrangement services	1,359	1,527	1,623	1,743	1,888	1,938	661
67	Transportation services	13,834	14,523	15,861	15,631	17,566	18,186	10,230
68	National defense and public administration	113,474	114,252	115,242	115,420	116,343	120,678	129,207
69	National defense and coast guard	107,073	108,016	108,847	108,481	109,019	113,104	121,056
70	Federal public administration	6,023	5,849	5,999	6,540	6,886	7,108	7,697
71	State and local public administration	378	386	395	399	438	466	455

Legend / Footnotes:

1. Consists of government and commercial vessels built in shipyards. Vessels include (but not limited to): naval surface combatants, cargo ships, barges, oil drilling platforms, passenger ships, tugboats, research vessels, submarines, and fishing vessels.
2. Consists of government and commercial vessels not built in shipyards. Vessels include (but not limited to): commercial fishing boats, motorboats (inboard and outboard), inflatables, tour boats, sailboats, and underwater remote operated vehicles. Activity associated with the manufacture of boats and other water craft used for recreational purposes is included in tourism and recreation sector.
3. Consists of (but not limited to) hovercraft, personal watercrafts, pontoon boats, life rafts and associated expenses such as repair services, insurance, fuel, etc.
4. Consists of swimming, snorkeling, SCUBA diving, surfing, and related water activities.

Table 3. Marine Economy Value Added by Activity as a Percentage of Gross Domestic Product

[Percent]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 Total Marine Economy	2.2	2.0	1.9	1.9	1.9	1.9	1.7
2 Living resources, marine	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Commercial harvest, seafood markets, and processing	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4 Commercial harvest and seafood markets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Seafood processing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Fish-based animal foods	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Pharmaceuticals, marine-based	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Construction, coastal and marine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Conservation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Dredging	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Recreation facilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Research and education, marine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Scientific research	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 National defense R&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Federal nondefense R&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 State and local R&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Nonacademic R&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Educational programs and courses	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Vocational training	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Laboratories	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Transportation and warehousing, marine	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Freight transportation	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Passenger transportation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Warehousing and storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Professional and technical services, marine	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Minerals, offshore	0.5	0.3	0.2	0.2	0.3	0.2	0.2
27 Oil and gas	0.5	0.3	0.2	0.2	0.3	0.2	0.2
28 Sand and gravel	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Support services	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Utilities, coastal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Traditional power generation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Ship and boat building, nonrecreational	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Ship building ¹	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Barges and other nonpropelled ships	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Military ships	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Other ships	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Boat building ²	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Fishing boats	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Tugboats and towboats	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Outboard motorboats	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Inboard motorboats	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Other boats	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Tourism and recreation, coastal and offshore	0.7	0.7	0.7	0.7	0.7	0.7	0.6
44 Guided tours	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Water guided tours	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46 Other scenic tours	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Recreational fishing, offshore	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Boating and paddling, offshore	0.1	0.1	0.1	0.1	0.1	0.1	0.1
49 Sailing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Motorboating	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Canoeing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Kayaking	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Other boating and paddling ³	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Other water activities ⁴	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Other coastal recreation	0.1	0.1	0.1	0.1	0.1	0.1	0.1
56 Maritime museums and cultural institutions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Beachgoing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Amusement parks	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 Hiking and camping	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rving	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Photography	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Other general expenses	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Trips and travel, coastal	0.4	0.4	0.5	0.5	0.5	0.5	0.4
64 Eating and drinking places	0.1	0.1	0.1	0.1	0.1	0.1	0.1
65 Hotel and lodging places	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Table 3. Marine Economy Value Added by Activity as a Percentage of Gross Domestic Product

[Percent]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
66 Travel arrangement services	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Transportation services	0.1	0.1	0.1	0.1	0.1	0.1	0.0
68 National defense and public administration	0.6	0.6	0.6	0.6	0.6	0.6	0.6
69 National defense and coast guard	0.6	0.6	0.6	0.6	0.5	0.5	0.6
70 Federal public administration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 State and local public administration	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Legend / Footnotes:

1. Consists of government and commercial vessels built in shipyards. Vessels include (but not limited to): naval surface combatants, cargo ships, barges, oil drilling platforms, passenger ships, tugboats, research vessels, submarines, and fishing vessels.
2. Consists of government and commercial vessels not built in shipyards. Vessels include (but not limited to): commercial fishing boats, motorboats (inboard and outboard), inflatables, tour boats, sailboats, and underwater remote operated vehicles. Activity associated with the manufacture of boats and other water craft used for recreational purposes is included in tourism and recreation sector.
3. Consists of (but not limited to) hovercraft, personal watercrafts, pontoon boats, life rafts and associated expenses such as repair services, insurance, fuel, etc.
4. Consists of swimming, snorkeling, SCUBA diving, surfing, and related water activities.

Table 4. Marine Economy Value Added by Activity as a Percentage of Total Marine Economy Value Added

[Percent]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 Total Marine Economy	100.0						
2 Living resources, marine	3.0	3.3	3.5	3.5	3.6	3.6	4.2
3 Commercial harvest, seafood markets, and processing	2.9	3.1	3.2	3.2	3.2	3.1	3.4
4 Commercial harvest and seafood markets	1.9	1.9	2.1	2.0	2.1	2.0	2.1
5 Seafood processing	1.0	1.2	1.1	1.2	1.1	1.1	1.3
6 Fish-based animal foods	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Pharmaceuticals, marine-based	0.2	0.2	0.3	0.3	0.3	0.4	0.8
8 Construction, coastal and marine	0.8	0.9	1.1	1.1	1.0	1.3	1.4
9 Conservation	0.5	0.5	0.7	0.7	0.7	0.7	0.8
10 Dredging	0.0	0.0	0.1	0.0	0.1	0.1	0.1
11 Recreation facilities	0.3	0.3	0.3	0.3	0.3	0.4	0.5
12 Research and education, marine	1.6	1.8	1.8	1.8	1.8	1.9	2.3
13 Scientific research	1.0	1.1	1.1	1.1	1.2	1.2	1.6
14 National defense R&D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Federal nondefense R&D	0.3	0.3	0.4	0.4	0.4	0.4	0.4
16 State and local R&D	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17 Nonacademic R&D	0.3	0.3	0.3	0.3	0.4	0.4	0.7
18 Educational programs and courses	0.6	0.7	0.7	0.6	0.6	0.6	0.7
19 Vocational training	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Laboratories	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Transportation and warehousing, marine	6.5	6.9	6.7	6.8	6.9	6.9	6.6
22 Freight transportation	4.6	4.8	4.6	4.7	4.7	4.6	4.9
23 Passenger transportation	1.6	1.7	1.6	1.6	1.6	1.7	1.0
24 Warehousing and storage	0.4	0.4	0.5	0.5	0.6	0.6	0.7
25 Professional and technical services, marine	0.8	1.0	1.0	0.9	0.9	0.8	1.0
26 Minerals, offshore	21.1	14.7	12.5	12.9	13.7	13.2	9.7
27 Oil and gas	20.7	14.3	12.1	12.4	13.3	12.7	9.2
28 Sand and gravel	0.3	0.3	0.3	0.4	0.4	0.4	0.4
29 Support services	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30 Utilities, coastal	2.0	2.2	2.3	2.2	2.1	2.2	2.3
31 Traditional power generation	2.0	2.2	2.3	2.2	2.1	2.2	2.3
32 Ship and boat building, nonrecreational	1.7	2.2	2.0	1.7	1.8	1.8	2.1
33 Ship building ¹	1.4	1.8	1.7	1.4	1.4	1.5	1.8
34 Barges and other nonpropelled ships	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Military ships	1.2	1.7	1.5	1.3	1.3	1.4	1.8
36 Other ships	0.1	0.1	0.1	0.1	0.1	0.1	0.1
37 Boat building ²	0.3	0.4	0.4	0.3	0.3	0.3	0.3
38 Fishing boats	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Tugboats and towboats	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Outboard motorboats	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Inboard motorboats	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Other boats	0.1	0.2	0.2	0.1	0.1	0.1	0.1
43 Tourism and recreation, coastal and offshore	32.8	35.8	37.1	37.8	38.2	38.4	34.7
44 Guided tours	1.9	1.9	1.7	2.0	2.2	2.0	1.2
45 Water guided tours	1.1	1.1	1.0	1.2	1.3	1.2	0.6
46 Other scenic tours	0.8	0.8	0.8	0.8	0.9	0.8	0.6
47 Recreational fishing, offshore	0.4	0.4	0.6	0.6	0.6	0.6	0.7
48 Boating and paddling, offshore	5.9	6.3	6.1	6.3	6.4	6.4	5.8
49 Sailing	0.3	0.3	0.4	0.3	0.3	0.3	0.3
50 Motorboating	4.0	4.3	4.3	4.4	4.4	4.4	4.0
51 Canoeing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Kayaking	0.0	0.0	0.0	0.0	0.0	0.0	0.1
53 Other boating and paddling ³	1.6	1.6	1.4	1.6	1.7	1.6	1.4
54 Other water activities ⁴	0.4	0.5	0.5	0.5	0.5	0.5	0.7
55 Other coastal recreation	4.1	4.4	4.4	4.4	4.4	4.4	4.2
56 Maritime museums and cultural institutions	0.3	0.2	0.3	0.3	0.3	0.3	0.3
57 Beachgoing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Amusement parks	0.4	0.4	0.5	0.5	0.5	0.5	0.3
59 Hiking and camping	0.2	0.2	0.2	0.2	0.2	0.3	0.3
60 Rving	1.3	1.4	1.4	1.4	1.5	1.5	1.4
61 Photography	0.0	0.1	0.0	0.0	0.0	0.0	0.1
62 Other general expenses	1.8	1.9	2.0	2.0	1.9	1.9	1.8
63 Trips and travel, coastal	20.1	22.3	23.7	23.9	24.1	24.4	22.2
64 Eating and drinking places	2.7	3.1	3.4	3.5	3.5	3.5	3.1
65 Hotel and lodging places	13.4	14.8	15.5	15.8	15.6	15.9	16.0

Table 4. Marine Economy Value Added by Activity as a Percentage of Total Marine Economy Value Added

[Percent]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
66 Travel arrangement services	0.4	0.4	0.5	0.5	0.5	0.5	0.2
67 Transportation services	3.6	4.0	4.4	4.2	4.5	4.5	2.8
68 National defense and public administration	29.7	31.2	32.1	31.4	30.0	30.1	35.8
69 National defense and coast guard	28.0	29.5	30.3	29.5	28.1	28.2	33.5
70 Federal public administration	1.6	1.6	1.7	1.8	1.8	1.8	2.1
71 State and local public administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Legend / Footnotes:

1. Consists of government and commercial vessels built in shipyards. Vessels include (but not limited to): naval surface combatants, cargo ships, barges, oil drilling platforms, passenger ships, tugboats, research vessels, submarines, and fishing vessels.
2. Consists of government and commercial vessels not built in shipyards. Vessels include (but not limited to): commercial fishing boats, motorboats (inboard and outboard), inflatables, tour boats, sailboats, and underwater remote operated vehicles. Activity associated with the manufacture of boats and other water craft used for recreational purposes is included in tourism and recreation sector.
3. Consists of (but not limited to) hovercraft, personal watercrafts, pontoon boats, life rafts and associated expenses such as repair services, insurance, fuel, etc.
4. Consists of swimming, snorkeling, SCUBA diving, surfing, and related water activities.

Table 5. Real Marine Economy Value Added by Industry

[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 All Industries	382,684	385,015	378,977	375,429	378,565	387,310	364,682
2 Private industries	261,817	265,304	258,516	256,566	262,582	269,241	239,661
3 Agriculture, forestry, fishing, and hunting	4,797	5,050	4,914	4,967	5,024	5,032	4,774
4 Farms	441	446	483	475	479	420	444
5 Forestry, fishing, and related activities	4,356	4,605	4,432	4,492	4,545	4,607	4,328
6 Mining	70,466	70,532	66,484	60,689	58,659	64,734	61,036
7 Oil and gas extraction	53,033	58,712	62,291	55,815	50,619	55,792	58,833
8 Mining, except oil and gas	676	647	759	807	791	771	789
9 Support activities for mining	16,756	12,782	8,471	8,185	10,346	11,595	6,814
10 Utilities	5,833	6,817	7,535	7,754	6,861	6,523	6,889
11 Construction	2,932	2,880	3,321	3,271	3,243	3,930	3,957
12 Manufacturing	24,559	24,910	21,557	21,997	24,775	24,940	24,085
13 Durable goods	12,681	13,087	11,198	10,411	11,802	11,744	11,837
14 Wood products	4	4	4	4	4	4	4
15 Nonmetallic mineral products	32	35	37	37	34	37	37
16 Primary metals	2	1	1	1	3	2	1
17 Fabricated metal products	130	113	68	64	67	73	63
18 Machinery	3,758	3,044	2,015	1,988	2,574	2,333	2,158
19 Computer and electronic products	124	189	148	140	145	140	136
20 Electrical equipment, appliances, and components	207	182	146	159	190	158	142
21 Motor vehicles, bodies and trailers, and parts	108	110	106	79	78	91	102
22 Other transportation equipment	7,884	8,994	8,239	7,476	8,245	8,439	8,540
23 Furniture and related products	13	11	8	7	7	9	9
24 Miscellaneous manufacturing	420	414	441	468	463	473	661
25 Nondurable goods	11,877	11,818	10,369	11,790	13,194	13,429	12,372
26 Food and beverage and tobacco products	1,956	2,146	1,840	1,620	1,378	1,269	1,138
27 Textile mills and textile product mills	85	80	82	75	65	94	107
28 Apparel and leather and allied products	341	325	355	358	331	324	365
29 Paper products	0	0	0	0	0	0	1
30 Printing and related support activities	1	1	1	1	2	2	7
31 Petroleum and coal products	8,930	8,707	7,497	9,344	11,321	11,596	10,069
32 Chemical products	518	505	510	575	625	738	926
33 Plastics and rubber products	46	45	38	36	32	30	37
34 Wholesale trade	14,810	14,389	13,131	13,113	13,728	13,756	12,272
35 Retail trade	18,070	18,435	18,709	19,707	20,358	20,859	19,550
36 Motor vehicle and parts dealers	2,408	2,762	2,941	3,152	2,966	2,902	3,300
37 Food and beverage stores	2,095	2,061	2,076	2,222	2,193	2,229	2,367
38 General merchandise stores	2,697	2,899	2,871	3,055	3,205	3,195	3,640
39 Other retail	10,871	10,734	10,850	11,317	12,008	12,524	10,417
40 Transportation and warehousing	35,206	34,350	33,476	32,866	34,776	34,597	28,616
41 Air transportation	4,391	4,624	6,341	5,518	6,372	6,247	2,265
42 Rail transportation	580	517	337	359	415	373	215
43 Water transportation	13,460	11,485	9,571	8,999	9,243	9,235	8,948
44 Truck transportation	2,983	3,045	3,033	3,083	3,004	3,020	2,678
45 Transit and ground passenger transportation	1,015	989	1,153	1,233	1,433	1,612	933
46 Pipeline transportation	2,239	2,825	2,875	2,954	3,146	2,723	2,417
47 Other transportation and support activities	9,618	9,976	9,248	9,685	10,076	10,130	9,445
48 Warehousing and storage	920	965	1,186	1,350	1,513	1,674	1,839
49 Information	395	417	456	433	483	528	523
50 Publishing industries, except internet (includes software)	102	110	127	127	142	128	99
51 Motion picture and sound recording industries	14	15	19	16	18	22	37
52 Broadcasting and telecommunications	152	152	133	112	116	121	130
53 Data processing, internet publishing, and other information services	127	141	179	182	213	263	260
54 Finance, insurance, real estate, rental, and leasing	45,447	46,388	46,705	46,512	47,115	47,694	47,611
55 Finance and insurance	4,236	4,770	4,876	4,473	4,458	4,440	4,414
56 Federal Reserve banks, credit intermediation, and related activities	124	131	131	131	116	124	105
57 Securities, commodity contracts, and investments	0	0	0	0	0	0	0
58 Insurance carriers and related activities	4,111	4,639	4,745	4,341	4,344	4,317	4,312
59 Funds, trusts, and other financial vehicles	0	0	0	0	0	0	0
60 Real estate and rental and leasing	41,211	41,624	41,837	42,022	42,632	43,219	43,161
61 Real estate	40,193	40,201	40,070	40,204	40,845	41,240	41,438
62 Housing	40,191	40,199	40,068	40,202	40,843	41,238	41,436
63 Other real estate	2	2	2	2	2	2	2
64 Rental and leasing services and lessors of intangible assets	1,018	1,457	1,896	1,966	1,910	2,190	1,775
65 Professional and business services	4,622	4,658	4,759	5,033	5,508	5,232	2,628
66 Professional, scientific, and technical services	1,664	1,637	1,617	1,436	1,653	1,758	2,257

Table 5. Real Marine Economy Value Added by Industry

[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
67	Legal services	432	437	448	446	448	412
68	Computer systems design and related services	33	40	27	57	45	141
69	Miscellaneous professional, scientific, and technical services	1,200	1,161	1,141	932	1,161	1,718
70	Management of companies and enterprises	32	31	50	42	44	57
71	Administrative and waste management services	2,926	2,990	3,091	3,549	3,805	3,415
72	Administrative and support services	2,923	2,985	3,086	3,544	3,800	242
73	Waste management and remediation services	3	6	7	6	6	16
74	Educational services, health care, and social assistance	1,961	2,048	2,039	2,014	1,872	1,989
75	Educational services	1,858	1,934	1,909	1,876	1,731	1,845
76	Health care and social assistance	102	114	131	138	142	147
77	Ambulatory health care services	28	33	45	52	57	65
78	Hospitals	62	68	73	74	73	72
79	Nursing and residential care facilities	8	8	8	8	8	7
80	Social assistance	4	5	5	5	5	8
81	Arts, entertainment, recreation, accommodation, and food services	29,986	31,239	31,214	31,791	32,404	22,770
82	Arts, entertainment, and recreation	7,835	7,591	7,851	7,718	8,138	5,663
83	Performing arts, spectator sports, museums, and related activities	1,081	866	917	893	966	734
84	Amusements, gambling, and recreation industries	6,755	6,723	6,932	6,824	7,170	4,927
85	Accommodation and food services	22,151	23,649	23,364	24,068	24,272	17,110
86	Accommodation	12,764	13,927	13,351	13,761	13,744	9,200
87	Food services and drinking places	9,386	9,724	10,009	10,302	10,522	7,850
88	Other services, except government	2,734	2,757	2,799	2,774	2,731	2,223
89	Government	120,867	119,770	120,237	118,689	116,130	123,335
90	Federal	114,243	113,060	113,025	111,283	108,895	110,596
91	General government	114,192	113,011	112,976	111,232	108,843	110,546
92	National defense	104,898	104,001	103,789	101,621	99,111	105,844
93	Nondefense	9,294	9,010	9,187	9,605	9,719	10,168
94	Government enterprises	51	49	48	50	52	50
95	State and local	6,624	6,705	7,186	7,375	7,204	7,249
96	General government	3,392	3,625	3,719	3,815	3,778	3,983
97	Government enterprises	3,232	3,088	3,454	3,546	3,418	3,374

Legend / Footnotes:

Note: Chained (2014) dollar series are calculated as the product of the chain-type quantity index and the 2014 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table 6. Marine Economy Value Added by Industry

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 All Industries	382,684	366,398	359,378	368,083	387,767	400,642	361,361
2 Private industries	261,817	244,058	235,557	243,865	262,374	269,936	222,626
3 Agriculture, forestry, fishing, and hunting	4,797	4,496	4,687	4,493	5,085	4,890	4,674
4 Farms	441	425	416	435	434	387	410
5 Forestry, fishing, and related activities	4,356	4,071	4,271	4,057	4,651	4,503	4,265
6 Mining	70,466	43,747	35,931	38,860	44,170	43,741	26,828
7 Oil and gas extraction	53,033	30,416	27,580	30,716	35,466	34,210	21,690
8 Mining, except oil and gas	676	504	531	697	722	649	681
9 Support activities for mining	16,756	12,827	7,820	7,447	7,982	8,882	4,457
10 Utilities	5,833	6,118	5,952	6,151	6,235	6,431	6,136
11 Construction	2,932	3,003	3,503	3,523	3,573	4,560	4,718
12 Manufacturing	24,559	25,040	20,334	21,287	24,604	24,588	21,736
13 Durable goods	12,681	13,542	11,646	10,648	11,840	12,097	12,421
14 Wood products	4	4	4	4	4	5	5
15 Nonmetallic mineral products	32	36	40	41	39	43	45
16 Primary metals	2	1	1	1	3	2	1
17 Fabricated metal products	130	121	76	71	74	85	76
18 Machinery	3,758	3,177	2,107	2,048	2,653	2,490	2,344
19 Computer and electronic products	124	180	129	122	128	125	122
20 Electrical equipment, appliances, and components	207	191	155	167	196	168	155
21 Motor vehicles, bodies and trailers, and parts	108	115	114	86	89	114	129
22 Other transportation equipment	7,884	9,271	8,552	7,623	8,183	8,535	8,833
23 Furniture and related products	13	13	10	9	7	12	12
24 Miscellaneous manufacturing	420	432	457	476	463	518	698
25 Nondurable goods	11,877	11,498	8,688	10,639	12,764	12,491	9,314
26 Food and beverage and tobacco products	1,956	2,237	1,975	1,970	1,974	2,151	1,954
27 Textile mills and textile product mills	85	83	87	78	65	95	111
28 Apparel and leather and allied products	341	334	367	376	351	345	382
29 Paper products	0	0	0	0	0	1	1
30 Printing and related support activities	1	1	1	1	2	2	8
31 Petroleum and coal products	8,930	8,221	5,571	7,416	9,497	8,837	5,481
32 Chemical products	518	574	645	758	840	1,026	1,333
33 Plastics and rubber products	46	47	42	39	35	36	45
34 Wholesale trade	14,810	14,986	14,146	14,439	15,092	15,602	13,934
35 Retail trade	18,070	19,017	19,792	20,771	21,422	22,333	22,713
36 Motor vehicle and parts dealers	2,408	2,656	2,830	2,922	2,819	2,892	3,282
37 Food and beverage stores	2,095	2,213	2,342	2,512	2,557	2,650	2,986
38 General merchandise stores	2,697	2,820	2,813	2,969	3,058	3,149	3,492
39 Other retail	10,871	11,329	11,807	12,367	12,988	13,643	12,952
40 Transportation and warehousing	35,206	37,183	37,514	37,742	40,793	41,604	30,201
41 Air transportation	4,391	4,876	6,743	5,799	6,707	6,999	2,035
42 Rail transportation	580	515	330	360	428	409	245
43 Water transportation	13,460	13,375	11,697	11,664	12,377	12,396	8,014
44 Truck transportation	2,983	3,235	3,272	3,328	3,468	3,593	3,163
45 Transit and ground passenger transportation	1,015	1,041	1,261	1,343	1,517	1,697	943
46 Pipeline transportation	2,239	2,893	3,073	3,160	3,375	3,120	2,910
47 Other transportation and support activities	9,618	10,261	9,921	10,663	11,250	11,573	10,920
48 Warehousing and storage	920	987	1,218	1,426	1,672	1,817	1,972
49 Information	395	420	462	448	503	564	589
50 Publishing industries, except internet (includes software)	102	110	126	126	139	128	109
51 Motion picture and sound recording industries	14	15	19	17	20	24	43
52 Broadcasting and telecommunications	152	153	143	126	134	148	165
53 Data processing, internet publishing, and other information services	127	142	175	179	210	264	273
54 Finance, insurance, real estate, rental, and leasing	45,447	47,590	49,234	50,395	52,364	54,755	56,280
55 Finance and insurance	4,236	4,785	4,924	4,462	4,418	4,502	4,714
56 Federal Reserve banks, credit intermediation, and related activities	124	133	138	141	137	148	125
57 Securities, commodity contracts, and investments	0	0	0	0	0	0	0
58 Insurance carriers and related activities	4,111	4,651	4,786	4,321	4,281	4,355	4,589
59 Funds, trusts, and other financial vehicles	0	0	0	0	0	0	0
60 Real estate and rental and leasing	41,211	42,805	44,309	45,933	47,946	50,253	51,566
61 Real estate	40,193	41,527	42,841	44,427	46,464	48,591	50,298
62 Housing	40,191	41,524	42,838	44,425	46,461	48,588	50,295
63 Other real estate	2	2	3	3	3	3	2
64 Rental and leasing services and lessors of intangible assets	1,018	1,278	1,468	1,506	1,482	1,662	1,268
65 Professional and business services	4,622	4,818	5,003	5,437	6,083	5,970	3,055
66 Professional, scientific, and technical services	1,664	1,701	1,673	1,536	1,830	2,010	2,719

Table 6. Marine Economy Value Added by Industry

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
67 Legal services	432	453	477	493	509	531	518
68 Computer systems design and related services	33	41	27	59	47	48	159
69 Miscellaneous professional, scientific, and technical services	1,200	1,207	1,169	984	1,274	1,431	2,042
70 Management of companies and enterprises	32	32	50	43	48	58	65
71 Administrative and waste management services	2,926	3,085	3,280	3,858	4,205	3,901	271
72 Administrative and support services	2,923	3,082	3,277	3,855	4,202	3,898	267
73 Waste management and remediation services	3	3	3	3	3	3	3
74 Educational services, health care, and social assistance	1,961	2,098	2,136	2,165	2,059	2,243	2,296
75 Educational services	1,858	1,982	2,001	2,020	1,909	2,086	2,130
76 Health care and social assistance	102	116	135	146	150	157	167
77 Ambulatory health care services	28	33	45	52	55	60	65
78 Hospitals	62	70	77	81	81	82	84
79 Nursing and residential care facilities	8	8	9	9	9	9	9
80 Social assistance	4	4	4	5	5	6	9
81 Arts, entertainment, recreation, accommodation, and food services	29,986	32,686	33,875	35,050	37,190	39,208	26,665
82 Arts, entertainment, and recreation	7,835	7,962	8,482	8,286	9,023	9,396	6,864
83 Performing arts, spectator sports, museums, and related activities	1,081	899	981	985	1,089	1,060	897
84 Amusements, gambling, and recreation industries	6,755	7,063	7,501	7,301	7,934	8,336	5,967
85 Accommodation and food services	22,151	24,723	25,393	26,764	28,167	29,812	19,802
86 Accommodation	12,764	14,476	14,394	15,150	15,940	16,892	9,571
87 Food services and drinking places	9,386	10,247	10,999	11,614	12,227	12,920	10,230
88 Other services, except government	2,734	2,855	2,988	3,102	3,202	3,449	2,800
89 Government	120,867	122,341	123,820	124,218	125,393	130,706	138,736
90 Federal	114,243	115,122	116,190	116,432	117,413	121,823	130,337
91 General government	114,192	115,072	116,140	116,378	117,358	121,770	130,283
92 National defense	104,898	105,902	106,655	106,180	106,643	110,671	118,630
93 Nondefense	9,294	9,171	9,485	10,199	10,715	11,099	11,653
94 Government enterprises	51	49	50	54	55	53	54
95 State and local	6,624	7,219	7,630	7,786	7,980	8,883	8,399
96 General government	3,392	3,614	3,709	3,847	3,911	4,182	4,145
97 Government enterprises	3,232	3,605	3,921	3,939	4,068	4,701	4,254

Table 7. Real Marine Economy Gross Output by Activity

[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 Total Marine Economy	653,834	654,398	639,064	639,598	653,193	674,937	617,616
2 Living resources, marine	22,719	24,412	24,817	25,817	25,444	25,829	26,899
3 Commercial harvest, seafood markets, and processing	21,549	22,893	23,156	23,883	23,140	22,971	22,693
4 Commercial harvest and seafood markets	10,849	11,229	11,778	12,009	11,826	11,737	11,278
5 Seafood processing	10,700	11,656	11,389	11,876	11,331	11,251	11,402
6 Fish-based animal foods	175	190	197	192	180	194	192
7 Pharmaceuticals, marine-based	995	1,319	1,447	1,711	2,077	2,597	3,867
8 Construction, coastal and marine	5,267	5,630	6,514	6,145	5,798	7,126	7,084
9 Conservation	3,281	3,628	4,628	4,447	3,955	4,153	4,177
10 Dredging	260	284	358	286	335	790	649
11 Recreation facilities	1,726	1,718	1,531	1,416	1,507	2,168	2,241
12 Research and education, marine	8,426	8,812	9,142	9,026	9,182	9,837	10,804
13 Scientific research	5,297	5,462	5,921	5,809	6,342	6,819	7,764
14 National defense R&D	145	146	141	135	137	140	145
15 Federal nondefense R&D	1,417	1,505	1,634	1,700	1,739	1,814	1,873
16 State and local R&D	1,798	1,952	2,040	2,137	2,175	2,198	2,272
17 Nonacademic R&D	1,936	1,862	2,105	1,841	2,288	2,653	3,440
18 Educational programs and courses	2,815	3,005	2,871	2,869	2,520	2,686	2,762
19 Vocational training	266	289	298	291	284	296	260
20 Laboratories	49	55	59	63	55	56	49
21 Transportation and warehousing, marine	59,966	59,707	58,898	61,767	63,661	63,781	53,532
22 Freight transportation	38,995	38,646	37,761	38,459	37,880	35,848	35,292
23 Passenger transportation	18,422	18,510	18,360	20,139	22,510	24,535	14,158
24 Warehousing and storage	2,548	2,550	2,764	3,087	3,164	3,382	3,486
25 Professional and technical services, marine	5,957	6,286	6,570	6,508	6,379	6,419	6,287
26 Minerals, offshore	134,296	123,711	98,483	95,052	100,356	109,810	96,609
27 Oil and gas	131,176	120,555	95,401	91,658	96,774	106,526	93,659
28 Sand and gravel	2,511	2,543	2,464	2,729	2,768	2,653	2,400
29 Support services	610	581	486	459	511	497	415
30 Utilities, coastal	13,752	16,080	16,521	16,349	15,474	15,046	14,802
31 Traditional power generation	13,752	16,080	16,521	16,349	15,474	15,046	14,802
32 Ship and boat building, nonrecreational	13,475	16,594	14,834	14,996	15,678	15,979	15,837
33 Ship building ¹	10,794	13,470	12,001	12,159	12,608	13,239	13,576
34 Barges and other nonpropelled ships	239	186	189	193	159	133	98
35 Military ships	9,899	12,606	11,146	11,283	11,776	12,482	13,027
36 Other ships	656	680	666	683	674	624	456
37 Boat building ²	2,681	3,126	2,834	2,838	3,069	2,753	2,298
38 Fishing boats	151	128	96	70	68	63	46
39 Tugboats and towboats	466	521	545	599	585	543	396
40 Outboard motorboats	202	303	226	194	219	143	135
41 Inboard motorboats	652	869	744	760	1,039	913	843
42 Other boats	1,209	1,306	1,223	1,214	1,149	1,087	868
43 Tourism and recreation, coastal and offshore	217,015	220,555	225,132	227,950	235,924	237,623	190,878
44 Guided tours	15,658	14,386	13,190	14,475	16,635	15,159	10,078
45 Water guided tours	9,597	8,608	7,442	8,830	9,686	9,283	5,577
46 Other scenic tours	6,061	5,778	5,747	5,645	6,948	5,876	4,501
47 Recreational fishing, offshore	2,873	3,252	4,331	4,788	4,949	4,718	4,638
48 Boating and paddling, offshore	50,118	51,059	51,445	52,232	52,758	53,381	43,472
49 Sailing	2,041	2,062	2,210	2,219	2,172	2,303	1,647
50 Motorboating	32,074	33,125	33,703	34,290	34,455	34,729	28,391
51 Canoeing	59	61	65	66	65	74	73
52 Kayaking	183	183	179	184	185	187	268
53 Other boating and paddling ³	15,761	15,596	15,147	15,324	15,774	15,969	13,004
54 Other water activities ⁴	2,849	3,177	3,102	3,090	3,151	3,457	4,108
55 Other coastal recreation	29,757	30,195	30,205	30,451	31,242	31,578	26,907
56 Maritime museums and cultural institutions	1,887	1,713	1,691	1,667	1,755	1,734	1,418
57 Beachgoing	240	237	237	246	247	266	246
58 Amusement parks	2,282	2,424	2,575	2,434	2,621	2,562	1,528
59 Hiking and camping	1,388	1,388	1,335	1,444	1,514	1,753	1,783
60 Rving	10,894	10,637	10,485	10,572	10,885	11,114	9,548
61 Photography	253	359	284	272	255	267	290
62 Other general expenses	12,812	13,411	13,535	13,768	13,900	13,833	12,201
63 Trips and travel, coastal	115,760	118,514	122,829	122,855	126,916	129,117	101,811
64 Eating and drinking places	17,509	18,360	18,941	19,501	20,135	20,761	15,806
65 Hotel and lodging places	64,380	65,383	66,122	66,296	66,602	67,374	59,043

Table 7. Real Marine Economy Gross Output by Activity

[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
66 Travel arrangement services	2,909	3,230	3,546	3,842	4,256	4,449	2,129
67 Transportation services	30,962	31,527	34,594	33,326	36,472	37,111	23,681
68 National defense and public administration	172,959	171,447	172,005	169,024	168,698	177,553	187,259
69 National defense and coast guard	163,543	162,226	162,668	159,404	158,779	167,471	176,128
70 Federal public administration	8,440	8,204	8,282	8,568	8,796	8,918	9,957
71 State and local public administration	976	1,018	1,057	1,046	1,113	1,163	1,152

Legend / Footnotes:

1. Consists of government and commercial vessels built in shipyards. Vessels include (but not limited to): naval surface combatants, cargo ships, barges, oil drilling platforms, passenger ships, tugboats, research vessels, submarines, and fishing vessels.

2. Consists of government and commercial vessels not built in shipyards. Vessels include (but not limited to): commercial fishing boats, motorboats (inboard and outboard), inflatables, tour boats, sailboats, and underwater remote operated vehicles. Activity associated with the manufacture of boats and other water craft used for recreational purposes is included in tourism and recreation sector.

3. Consists of (but not limited to) hovercraft, personal watercrafts, pontoon boats, life rafts and associated expenses such as repair services, insurance, fuel, etc.

4. Consists of swimming, snorkeling, SCUBA diving, surfing, and related water activities.

Note: Chained (2014) dollar series are calculated as the product of the chain-type quantity index and the 2014 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table 8. Marine Economy Gross Output by Activity

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 Total Marine Economy	653,834	614,479	595,206	617,913	660,537	686,968	610,295
2 Living resources, marine	22,719	23,754	24,567	26,031	26,954	27,878	29,298
3 Commercial harvest, seafood markets, and processing	21,549	22,219	22,889	24,057	24,531	24,763	24,614
4 Commercial harvest and seafood markets	10,849	10,599	11,420	11,514	12,167	12,051	11,665
5 Seafood processing	10,700	11,620	11,469	12,543	12,364	12,713	12,949
6 Fish-based animal foods	175	164	160	163	157	163	169
7 Pharmaceuticals, marine-based	995	1,372	1,519	1,811	2,266	2,951	4,515
8 Construction, coastal and marine	5,267	5,689	6,591	6,399	6,276	7,992	8,047
9 Conservation	3,281	3,667	4,658	4,597	4,238	4,615	4,689
10 Dredging	260	287	361	296	359	879	730
11 Recreation facilities	1,726	1,735	1,572	1,505	1,678	2,497	2,627
12 Research and education, marine	8,426	8,852	9,229	9,315	9,769	10,667	12,010
13 Scientific research	5,297	5,441	5,895	5,911	6,679	7,309	8,539
14 National defense R&D	145	145	141	137	143	149	160
15 Federal nondefense R&D	1,417	1,526	1,687	1,793	1,910	2,043	2,162
16 State and local R&D	1,798	1,870	1,946	2,074	2,171	2,211	2,307
17 Nonacademic R&D	1,936	1,901	2,121	1,908	2,455	2,906	3,910
18 Educational programs and courses	2,815	3,061	2,965	3,028	2,724	2,971	3,126
19 Vocational training	266	293	308	308	307	325	290
20 Laboratories	49	57	61	67	60	62	55
21 Transportation and warehousing, marine	59,966	59,833	59,800	64,728	69,422	70,539	57,514
22 Freight transportation	38,995	38,578	37,109	39,804	41,593	40,865	39,680
23 Passenger transportation	18,422	18,666	19,865	21,679	24,380	25,993	14,042
24 Warehousing and storage	2,548	2,589	2,826	3,245	3,449	3,682	3,792
25 Professional and technical services, marine	5,957	6,391	6,721	6,702	6,644	6,872	7,058
26 Minerals, offshore	134,296	95,848	71,624	76,816	89,275	92,599	67,334
27 Oil and gas	131,176	92,899	68,889	73,659	85,874	89,338	64,362
28 Sand and gravel	2,511	2,354	2,227	2,666	2,840	2,701	2,504
29 Support services	610	596	508	491	561	560	469
30 Utilities, coastal	13,752	14,195	13,307	13,605	14,256	14,360	12,994
31 Traditional power generation	13,752	14,195	13,307	13,605	14,256	14,360	12,994
32 Ship and boat building, nonrecreational	13,475	16,689	14,924	15,116	15,887	16,384	16,447
33 Ship building ¹	10,794	13,515	12,010	12,200	12,716	13,458	13,935
34 Barges and other nonpropelled ships	239	186	187	191	158	141	106
35 Military ships	9,899	12,631	11,138	11,310	11,881	12,680	13,348
36 Other ships	656	698	686	699	677	637	481
37 Boat building ²	2,681	3,174	2,913	2,916	3,171	2,926	2,512
38 Fishing boats	151	131	99	71	69	65	49
39 Tugboats and towboats	466	535	561	613	589	555	418
40 Outboard motorboats	202	306	230	198	231	159	153
41 Inboard motorboats	652	872	765	791	1,112	1,006	950
42 Other boats	1,209	1,330	1,257	1,242	1,170	1,140	942
43 Tourism and recreation, coastal and offshore	217,015	211,192	215,019	225,519	243,381	248,316	195,650
44 Guided tours	15,658	14,708	13,727	15,302	18,023	16,856	11,477
45 Water guided tours	9,597	8,796	7,743	9,336	10,486	10,325	6,343
46 Other scenic tours	6,061	5,912	5,983	5,966	7,537	6,531	5,134
47 Recreational fishing, offshore	2,873	3,267	4,364	4,865	5,062	5,006	4,918
48 Boating and paddling, offshore	50,118	44,541	43,171	46,358	50,059	50,142	38,806
49 Sailing	2,041	2,101	2,282	2,299	2,319	2,524	1,852
50 Motorboating	32,074	29,942	29,724	31,607	33,646	33,969	26,883
51 Canoeing	59	62	67	69	69	82	83
52 Kayaking	183	186	186	196	205	216	314
53 Other boating and paddling ³	15,761	12,249	10,912	12,185	13,820	13,351	9,674
54 Other water activities ⁴	2,849	3,208	3,159	3,163	3,283	3,674	4,462
55 Other coastal recreation	29,757	29,001	28,755	29,736	31,377	31,936	26,515
56 Maritime museums and cultural institutions	1,887	1,747	1,751	1,770	1,906	1,922	1,635
57 Beachgoing	240	237	240	252	255	280	263
58 Amusement parks	2,282	2,520	2,781	2,707	2,987	3,034	1,934
59 Hiking and camping	1,388	1,422	1,338	1,468	1,576	1,841	1,874
60 Rving	10,894	9,295	8,821	9,475	10,435	10,491	8,348
61 Photography	253	347	257	252	240	243	271
62 Other general expenses	12,812	13,434	13,566	13,811	13,979	14,125	12,189
63 Trips and travel, coastal	115,760	116,468	121,844	126,096	135,577	140,702	109,473
64 Eating and drinking places	17,509	18,924	20,019	21,116	22,386	23,683	19,002
65 Hotel and lodging places	64,380	67,218	70,056	72,379	75,415	78,669	68,960

Table 8. Marine Economy Gross Output by Activity

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
66 Travel arrangement services	2,909	3,248	3,587	3,902	4,356	4,645	2,168
67 Transportation services	30,962	27,077	28,182	28,700	33,421	33,706	19,342
68 National defense and public administration	172,959	172,036	173,425	173,682	178,674	191,361	203,942
69 National defense and coast guard	163,543	162,745	163,933	163,646	167,962	180,226	191,529
70 Federal public administration	8,440	8,290	8,463	8,995	9,560	9,922	11,193
71 State and local public administration	976	1,002	1,029	1,041	1,152	1,213	1,220

Legend / Footnotes:

1. Consists of government and commercial vessels built in shipyards. Vessels include (but not limited to): naval surface combatants, cargo ships, barges, oil drilling platforms, passenger ships, tugboats, research vessels, submarines, and fishing vessels.

2. Consists of government and commercial vessels not built in shipyards. Vessels include (but not limited to): commercial fishing boats, motorboats (inboard and outboard), inflatables, tour boats, sailboats, and underwater remote operated vehicles. Activity associated with the manufacture of boats and other water craft used for recreational purposes is included in tourism and recreation sector.

3. Consists of (but not limited to) hovercraft, personal watercrafts, pontoon boats, life rafts and associated expenses such as repair services, insurance, fuel, etc.

4. Consists of swimming, snorkeling, SCUBA diving, surfing, and related water activities.

Table 9. Real Marine Economy Gross Output by Industry

[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 All Industries	653,834	654,398	639,064	639,598	653,193	674,937	617,616
2 Private industries	466,951	467,759	450,507	454,155	468,933	481,046	410,586
3 Agriculture, forestry, fishing, and hunting	6,676	6,740	6,699	6,914	6,547	6,425	6,014
4 Farms	732	753	801	791	772	706	710
5 Forestry, fishing, and related activities	5,944	5,987	5,897	6,121	5,774	5,713	5,302
6 Mining	117,454	109,307	86,621	83,803	87,754	97,434	85,475
7 Oil and gas extraction	78,184	73,388	72,443	69,118	74,934	80,530	77,307
8 Mining, except oil and gas	1,437	1,493	1,469	1,485	1,530	1,513	1,403
9 Support activities for mining	37,833	34,364	18,449	18,384	17,375	21,589	14,438
10 Utilities	10,034	11,675	11,858	11,778	11,350	10,966	10,570
11 Construction	5,015	5,342	6,139	5,763	5,439	6,698	6,624
12 Manufacturing	73,725	75,967	70,128	70,571	71,760	71,768	67,496
13 Durable goods	27,936	28,724	24,508	24,682	26,152	25,891	25,352
14 Wood products	4	4	4	4	4	4	4
15 Nonmetallic mineral products	60	64	69	66	60	63	64
16 Primary metals	4	3	2	2	7	4	3
17 Fabricated metal products	244	208	129	120	125	131	115
18 Machinery	8,263	6,179	3,831	3,834	4,621	4,420	4,183
19 Computer and electronic products	157	222	185	168	164	149	146
20 Electrical equipment, appliances, and components	396	323	276	292	363	297	280
21 Motor vehicles, bodies and trailers, and parts	355	362	293	201	192	269	283
22 Other transportation equipment	17,613	20,491	18,905	19,174	19,814	19,716	19,031
23 Furniture and related products	34	33	26	23	19	27	26
24 Miscellaneous manufacturing	806	837	784	792	783	803	1,208
25 Nondurable goods	45,789	47,261	46,649	46,916	46,288	46,643	42,331
26 Food and beverage and tobacco products	7,653	8,448	8,288	8,342	7,837	7,741	7,620
27 Textile mills and textile product mills	158	152	161	152	119	169	216
28 Apparel and leather and allied products	569	542	576	553	505	516	589
29 Paper products	1	1	1	1	1	1	4
30 Printing and related support activities	2	2	2	2	3	3	13
31 Petroleum and coal products	36,437	36,997	36,486	36,570	36,701	36,905	30,976
32 Chemical products	896	925	933	1,032	1,091	1,241	1,536
33 Plastics and rubber products	74	73	67	63	48	48	67
34 Wholesale trade	22,003	20,681	19,113	19,645	20,667	20,566	18,221
35 Retail trade	30,799	32,278	33,780	35,280	36,816	37,439	35,191
36 Motor vehicle and parts dealers	3,586	4,221	4,921	4,950	4,855	4,659	4,730
37 Food and beverage stores	3,167	3,162	3,198	3,403	3,357	3,476	3,837
38 General merchandise stores	4,238	4,505	4,456	4,605	4,825	4,768	5,355
39 Other retail	19,807	20,405	21,240	22,339	23,778	24,503	21,353
40 Transportation and warehousing	78,187	78,561	79,869	81,808	86,888	87,058	65,749
41 Air transportation	8,611	8,868	11,474	9,869	11,795	11,886	4,935
42 Rail transportation	1,106	945	618	644	735	706	417
43 Water transportation	38,899	37,267	36,826	39,343	40,891	40,765	29,532
44 Truck transportation	5,663	6,047	6,070	6,181	6,409	6,474	5,814
45 Transit and ground passenger transportation	1,604	1,665	1,935	2,233	2,767	2,885	1,635
46 Pipeline transportation	3,333	3,510	3,423	3,573	4,103	4,158	3,787
47 Other transportation and support activities	16,911	18,189	17,395	17,410	17,709	17,530	16,183
48 Warehousing and storage	2,060	2,068	2,276	2,552	2,603	2,788	2,902
49 Information	526	563	623	613	684	751	720
50 Publishing industries, except internet (includes software)	161	176	199	201	218	200	150
51 Motion picture and sound recording industries	20	21	26	23	26	32	56
52 Broadcasting and telecommunications	160	159	143	124	128	137	142
53 Data processing, internet publishing, and other information services	186	207	256	268	318	387	375
54 Finance, insurance, real estate, rental, and leasing	55,090	56,242	57,271	57,482	57,650	58,814	58,898
55 Finance and insurance	8,184	8,850	9,270	9,333	9,137	9,530	9,405
56 Federal Reserve banks, credit intermediation, and related activities	176	181	181	187	168	175	139
57 Securities, commodity contracts, and investments	0	0	0	0	0	0	0
58 Insurance carriers and related activities	8,008	8,669	9,089	9,146	8,971	9,356	9,270
59 Funds, trusts, and other financial vehicles	0	0	0	0	0	0	0
60 Real estate and rental and leasing	46,906	47,396	48,012	48,161	48,509	49,299	49,496
61 Real estate	44,961	45,080	45,438	45,563	45,912	46,493	47,098
62 Housing	44,959	45,077	45,436	45,560	45,909	46,491	47,096
63 Other real estate	2	2	2	2	2	2	2
64 Rental and leasing services and lessors of intangible assets	1,945	2,334	2,631	2,600	2,654	2,914	2,348
65 Professional and business services	9,413	9,611	10,251	10,802	12,209	11,947	7,029
66 Professional, scientific, and technical services	2,789	2,696	2,708	2,452	2,901	3,183	3,808

Table 9. Real Marine Economy Gross Output by Industry

[Millions of chained (2014) dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
67 Legal services	598	600	598	616	602	602	552
68 Computer systems design and related services	41	49	34	75	58	57	177
69 Miscellaneous professional, scientific, and technical services	2,149	2,046	2,077	1,757	2,243	2,528	3,096
70 Management of companies and enterprises	42	40	67	58	61	75	72
71 Administrative and waste management services	6,582	6,876	7,477	8,291	9,245	8,682	3,068
72 Administrative and support services	6,577	6,868	7,469	8,284	9,237	8,672	3,060
73 Waste management and remediation services	5	7	8	7	8	11	13
74 Educational services, health care, and social assistance	2,636	2,808	2,780	2,796	2,565	2,658	2,642
75 Educational services	2,520	2,679	2,629	2,634	2,401	2,493	2,476
76 Health care and social assistance	116	129	151	162	164	166	166
77 Ambulatory health care services	34	40	55	64	70	74	76
78 Hospitals	70	75	83	85	81	79	76
79 Nursing and residential care facilities	9	8	9	9	9	9	8
80 Social assistance	4	5	5	5	5	6	8
81 Arts, entertainment, recreation, accommodation, and food services	52,000	53,535	54,765	55,087	56,491	57,343	38,788
82 Arts, entertainment, and recreation	13,343	13,289	13,644	13,379	14,110	14,073	9,955
83 Performing arts, spectator sports, museums, and related activities	1,787	1,621	1,590	1,587	1,668	1,642	1,259
84 Amusements, gambling, and recreation industries	11,555	11,668	12,053	11,791	12,441	12,431	8,696
85 Accommodation and food services	38,658	40,246	41,121	41,704	42,386	43,268	28,831
86 Accommodation	22,214	22,952	23,246	23,269	23,317	23,594	13,573
87 Food services and drinking places	16,444	17,294	17,872	18,428	19,061	19,666	15,110
88 Other services, except government	3,393	3,423	3,478	3,519	3,514	3,634	2,793
89 Government	186,883	186,635	187,959	185,143	184,310	193,705	203,840
90 Federal	173,486	172,027	172,686	169,775	169,366	178,274	188,050
91 General government	173,382	171,926	172,589	169,677	169,269	178,180	187,967
92 National defense	160,451	159,226	159,608	156,355	155,685	164,371	172,953
93 Nondefense	12,932	12,701	12,979	13,309	13,564	13,803	14,992
94 Government enterprises	104	100	97	97	97	94	82
95 State and local	13,397	14,629	15,319	15,431	14,992	15,473	15,815
96 General government	4,964	5,299	5,525	5,623	5,568	5,865	5,965
97 Government enterprises	8,433	9,332	9,796	9,807	9,422	9,606	9,847

Legend / Footnotes:

Note: Chained (2014) dollar series are calculated as the product of the chain-type quantity index and the 2014 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table 10. Marine Economy Gross Output by Industry

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
1 All Industries	653,834	614,479	595,206	617,913	660,537	686,968	610,295
2 Private industries	466,951	427,654	406,399	428,276	465,690	478,519	389,009
3 Agriculture, forestry, fishing, and hunting	6,676	6,059	6,288	6,286	6,547	6,241	5,887
4 Farms	732	711	689	700	685	635	640
5 Forestry, fishing, and related activities	5,944	5,348	5,599	5,587	5,862	5,606	5,247
6 Mining	117,454	81,162	59,342	64,876	75,995	78,755	54,715
7 Oil and gas extraction	78,184	45,547	40,267	45,420	58,212	56,969	40,517
8 Mining, except oil and gas	1,437	1,307	1,223	1,396	1,515	1,447	1,356
9 Support activities for mining	37,833	34,308	17,852	18,060	16,268	20,340	12,841
10 Utilities	10,034	10,312	9,581	9,824	10,463	10,475	9,315
11 Construction	5,015	5,401	6,219	6,009	5,893	7,523	7,536
12 Manufacturing	73,725	62,994	54,172	58,801	64,577	62,913	53,144
13 Durable goods	27,936	29,059	24,811	25,163	26,998	27,258	27,064
14 Wood products	4	5	5	5	4	5	5
15 Nonmetallic mineral products	60	65	72	71	67	72	75
16 Primary metals	4	3	2	2	7	4	3
17 Fabricated metal products	244	212	132	125	134	145	129
18 Machinery	8,263	6,252	3,855	3,871	4,738	4,633	4,428
19 Computer and electronic products	157	213	164	150	148	136	134
20 Electrical equipment, appliances, and components	396	329	282	300	377	314	301
21 Motor vehicles, bodies and trailers, and parts	355	365	297	207	206	303	321
22 Other transportation equipment	17,613	20,732	19,181	19,606	20,502	20,754	20,368
23 Furniture and related products	34	34	28	25	20	30	31
24 Miscellaneous manufacturing	806	850	792	800	794	860	1,268
25 Nondurable goods	45,789	33,934	29,361	33,638	37,579	35,656	26,080
26 Food and beverage and tobacco products	7,653	8,296	8,140	8,761	8,550	8,726	8,580
27 Textile mills and textile product mills	158	154	163	155	122	176	228
28 Apparel and leather and allied products	569	551	588	572	530	544	617
29 Paper products	1	1	1	1	1	1	4
30 Printing and related support activities	2	2	2	2	3	4	14
31 Petroleum and coal products	36,437	23,882	19,353	22,877	27,011	24,637	14,646
32 Chemical products	896	975	1,043	1,204	1,308	1,514	1,917
33 Plastics and rubber products	74	74	70	67	52	53	76
34 Wholesale trade	22,003	21,322	20,218	21,235	22,526	23,018	20,481
35 Retail trade	30,799	33,027	35,211	37,112	39,223	40,631	40,210
36 Motor vehicle and parts dealers	3,586	4,135	4,848	4,818	4,854	4,833	4,935
37 Food and beverage stores	3,167	3,320	3,474	3,735	3,803	4,011	4,621
38 General merchandise stores	4,238	4,442	4,425	4,584	4,791	4,856	5,373
39 Other retail	19,807	21,131	22,464	23,975	25,775	26,931	25,282
40 Transportation and warehousing	78,187	78,108	79,992	84,286	93,152	95,174	69,412
41 Air transportation	8,611	8,422	10,648	9,361	11,609	12,123	4,381
42 Rail transportation	1,106	910	586	633	763	756	446
43 Water transportation	38,899	37,186	36,979	40,892	44,627	45,051	30,776
44 Truck transportation	5,663	5,948	5,935	6,180	6,812	7,037	6,293
45 Transit and ground passenger transportation	1,604	1,683	2,005	2,345	2,941	3,080	1,713
46 Pipeline transportation	3,333	3,562	3,590	3,774	4,394	4,708	4,460
47 Other transportation and support activities	16,911	18,299	17,924	18,423	19,169	19,385	18,189
48 Warehousing and storage	2,060	2,098	2,324	2,678	2,836	3,033	3,154
49 Information	526	567	633	635	717	806	805
50 Publishing industries, except internet (includes software)	161	178	199	203	220	206	165
51 Motion picture and sound recording industries	20	21	26	25	28	35	64
52 Broadcasting and telecommunications	160	160	154	139	148	166	178
53 Data processing, internet publishing, and other information services	186	208	254	268	321	399	399
54 Finance, insurance, real estate, rental, and leasing	55,090	57,558	60,149	62,103	64,148	67,462	69,412
55 Finance and insurance	8,184	8,928	9,441	9,559	9,459	10,080	10,289
56 Federal Reserve banks, credit intermediation, and related activities	176	184	189	199	194	205	163
57 Securities, commodity contracts, and investments	0	0	0	0	0	0	0
58 Insurance carriers and related activities	8,008	8,744	9,251	9,359	9,265	9,875	10,126
59 Funds, trusts, and other financial vehicles	0	0	0	0	0	0	0
60 Real estate and rental and leasing	46,906	48,630	50,708	52,544	54,690	57,382	59,122
61 Real estate	44,961	46,465	48,436	50,234	52,330	54,808	57,121
62 Housing	44,959	46,462	48,433	50,231	52,327	54,805	57,119
63 Other real estate	2	2	3	3	3	3	2
64 Rental and leasing services and lessors of intangible assets	1,945	2,166	2,272	2,310	2,360	2,574	2,001
65 Professional and business services	9,413	9,817	10,601	11,410	13,182	13,204	7,854
66 Professional, scientific, and technical services	2,789	2,768	2,782	2,593	3,165	3,561	4,414

Table 10. Marine Economy Gross Output by Industry

[Millions of current dollars]

Bureau of Economic Analysis

	2014	2015	2016	2017	2018	2019	2020
67 Legal services	598	620	630	672	674	699	672
68 Computer systems design and related services	41	50	34	78	62	62	200
69 Miscellaneous professional, scientific, and technical services	2,149	2,098	2,119	1,842	2,429	2,800	3,542
70 Management of companies and enterprises	42	41	67	60	66	83	83
71 Administrative and waste management services	6,582	7,008	7,752	8,757	9,952	9,560	3,357
72 Administrative and support services	6,577	7,003	7,747	8,752	9,946	9,554	3,350
73 Waste management and remediation services	5	5	5	5	6	6	6
74 Educational services, health care, and social assistance	2,636	2,855	2,872	2,959	2,776	2,943	3,008
75 Educational services	2,520	2,724	2,717	2,788	2,602	2,762	2,820
76 Health care and social assistance	116	131	155	170	174	181	188
77 Ambulatory health care services	34	40	55	65	70	76	79
78 Hospitals	70	77	86	91	89	89	91
79 Nursing and residential care facilities	9	9	9	9	10	10	9
80 Social assistance	4	5	5	5	6	6	9
81 Arts, entertainment, recreation, accommodation, and food services	52,000	54,948	57,455	58,875	62,467	65,024	43,824
82 Arts, entertainment, and recreation	13,343	13,653	14,258	14,070	15,285	15,668	11,485
83 Performing arts, spectator sports, museums, and related activities	1,787	1,658	1,657	1,696	1,824	1,834	1,465
84 Amusements, gambling, and recreation industries	11,555	11,995	12,601	12,374	13,460	13,834	10,020
85 Accommodation and food services	38,658	41,295	43,196	44,805	47,182	49,356	32,339
86 Accommodation	22,214	23,466	24,303	24,849	25,989	26,918	14,204
87 Food services and drinking places	16,444	17,829	18,893	19,956	21,193	22,438	18,135
88 Other services, except government	3,393	3,522	3,665	3,865	4,025	4,349	3,407
89 Government	186,883	186,825	188,807	189,637	194,848	208,449	221,286
90 Federal	173,486	172,647	174,180	174,524	179,466	192,256	204,956
91 General government	173,382	172,548	174,082	174,423	179,364	192,157	204,868
92 National defense	160,451	159,709	160,802	160,443	164,603	176,777	187,958
93 Nondefense	12,932	12,839	13,280	13,979	14,761	15,380	16,910
94 Government enterprises	104	99	98	101	102	99	88
95 State and local	13,397	14,179	14,627	15,113	15,382	16,193	16,330
96 General government	4,964	5,222	5,430	5,626	5,749	6,127	6,271
97 Government enterprises	8,433	8,956	9,197	9,487	9,633	10,067	10,059