

# **NOAA Report on the U.S. Ocean and Great Lakes Economy: Regional and State Profiles**

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**Office for Coastal Management**

ECONOMICS



## NOAA's Office for Coastal Management

“Coastal management” is the term used by communities and organizations striving to keep the nation’s coasts safe from storms, rich in natural resources, and economically strong.

The national lead for these efforts is the National Oceanic and Atmospheric Administration’s Office for Coastal Management, an organization devoted to partnerships, science, and good policy. This agency, housed within the National Ocean Service, oversees major initiatives that include the Coral Reef Conservation Program, Digital Coast, National Coastal Zone Management Program, and National Estuarine Research Reserve System.

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**Data Note:** This report is based on 2015 Economics: National Ocean Watch (ENOW) data, produced by NOAA’s Office for Coastal Management. The employment and gross domestic product statistics are derived from the Bureau of Labor Statistics’ Quarterly Census of Employment and Wages data (accessed in September 2017) and the Bureau of Economic Analysis’ gross domestic product by state data (released in July 2017).

# Table of Contents

Introduction.....	1
Regional Profiles .....	2
Great Lakes.....	5
Gulf of Mexico .....	7
Mid-Atlantic .....	9
Northeast .....	11
North Pacific.....	13
Pacific.....	15
Southeast .....	17
West Coast.....	19
State Profiles.....	21
Alabama .....	23
Alaska.....	25
California.....	27
Connecticut .....	29
Delaware .....	31
Florida.....	33
Georgia .....	35
Hawaii .....	37
Illinois.....	39
Indiana .....	41
Louisiana .....	43
Maine.....	45
Maryland .....	47
Massachusetts .....	49
Michigan .....	51
Minnesota.....	53
Mississippi .....	55
New Hampshire .....	57
New Jersey .....	59
New York.....	61
North Carolina .....	63
Ohio.....	65
Oregon.....	67
Pennsylvania .....	69
Rhode Island.....	71
South Carolina.....	73
Texas .....	75
Virginia .....	77
Washington.....	79
Wisconsin .....	81

# Introduction

The U.S. ocean and Great Lakes economy includes six economic sectors that depend on the oceans and Great Lakes:

- Living resources
- Marine construction
- Marine transportation
- Offshore mineral extraction
- Ship and boat building
- Tourism and recreation

NOAA's Economics: National Ocean Watch (ENOW) data set provides time-series data describing these six sectors. ENOW data are available for the years 2005 through 2015 for about 400 coastal counties, 30 coastal states, eight regions, and the nation. NOAA produces these data in partnership with the Bureau of Economic Analysis, Bureau of Labor Statistics, and Bureau of the Census using a selection of these agencies' most respected and commonly used data sets.

The annual *NOAA Report on the U.S. Ocean and Great Lakes Economy* provides a national overview of the ocean economy, while this report provides regional and state profiles using the same information. The profiles summarize how the six economic sectors dependent on the ocean and Great Lakes contribute to the regional and state economies.

# Regional Profiles

The ocean and Great Lakes economy of the United States varies from place to place in size and composition. The tourism and recreation sector is important in most coastal counties, but oil and gas production is concentrated mostly in the Gulf of Mexico and Alaska. Shipbuilding is concentrated in a few very large shipyards. Tourism and recreation also employs high numbers of people, but wages are relatively low, which means the contribution to the gross domestic product is lower than the employment numbers might suggest. In other sectors, such as offshore mineral production, the reverse is true.

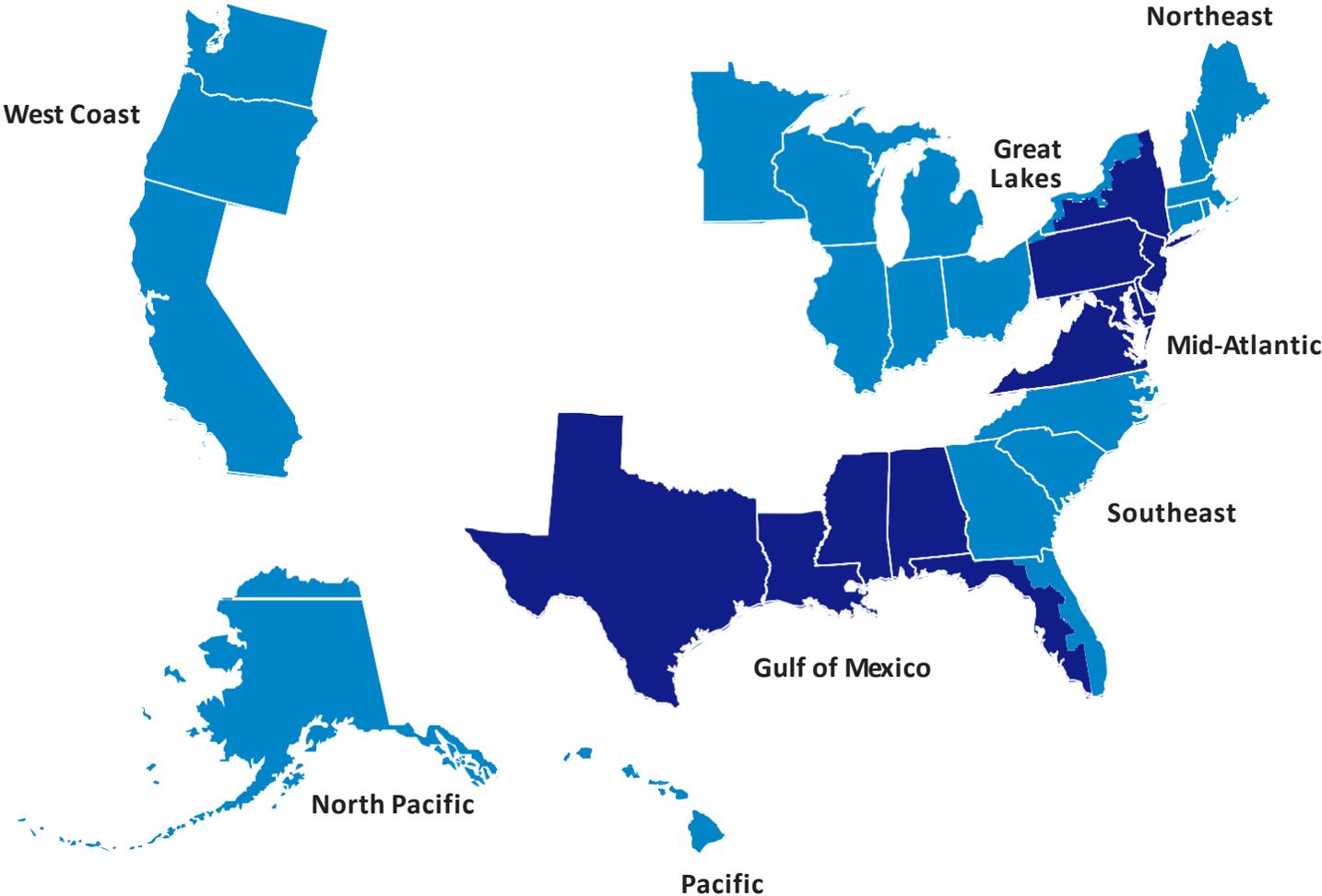
To assess the variability of the U.S. ocean economy, eight regions<sup>1</sup> were studied: Great Lakes, Gulf of Mexico, Mid-Atlantic, Northeast, North Pacific (Alaska), Pacific (Hawaii), Southeast, and West Coast. Each region has a distinct character.

- The Great Lakes region is home to one of the world's largest freshwater fisheries, supporting commercial and, more importantly, recreational fishing.
- The Gulf of Mexico is dominated by offshore mineral extraction (primarily oil and natural gas), which puts this region at the top in terms of gross domestic product.
- The Mid-Atlantic and West Coast regions provide the greatest employment, due in part to the dominance of the labor-intensive tourism and recreation sector.
- The Northeast region, the cradle of the U.S. ocean economy, has a large diversity of ocean-related activities, including fishing and lobster harvesting, shipping, and shipbuilding.
- The North Pacific (Alaska) has the busiest water for commercial fishing in the world. This region is home to the nation's largest contributor of jobs in the seafood-harvesting sector.
- The Pacific region's (Hawaii) economy depends on ocean-related employment more than any other region.
- The Southeast's recovery from the recession has been stronger than any other region, led by growth in tourism and marine transportation.
- The West Coast is home to some of the nation's largest deepwater ports and accounts for almost one-third of the gross domestic product in the nation's marine transportation sector.

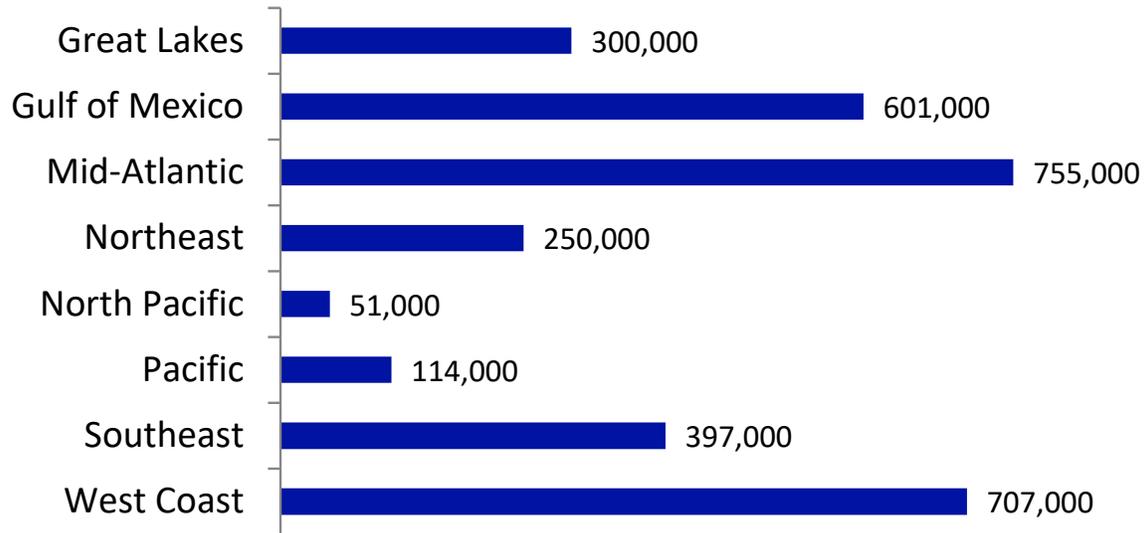
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<sup>1</sup> The regional delineation used in this report was based on the National Ocean Policy (NOP) framework for Coastal and Marine Spatial Planning and the NOAA Coastal Assessment Framework's list of coastal counties. This report includes data for only eight of the nine NOP regions, since ENOW data have not yet been developed for the Caribbean region.

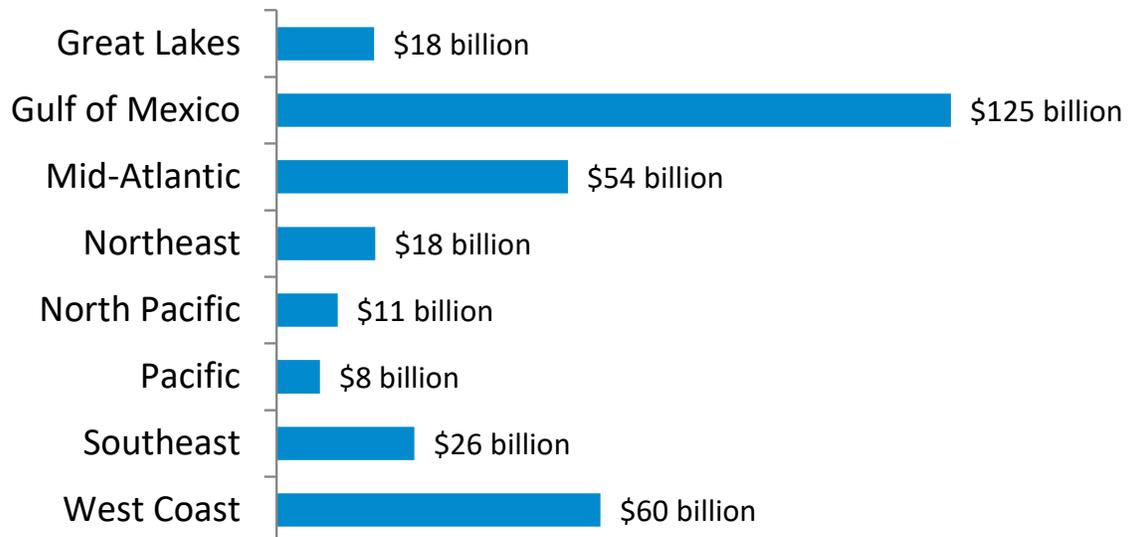
# U.S. Ocean and Great Lakes Economy: Regions and States



## Ocean Employment by Region, 2015



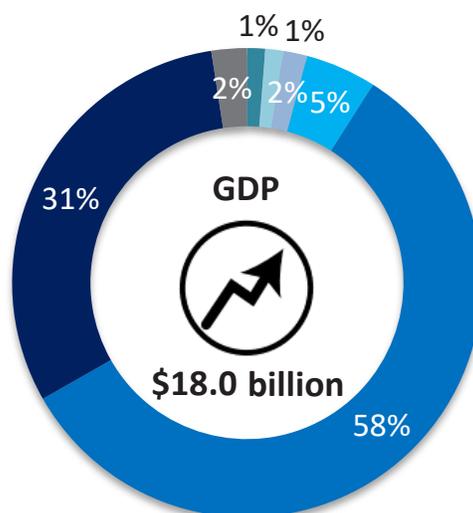
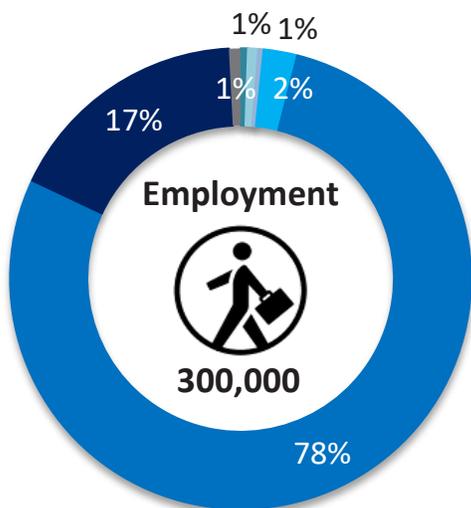
## Ocean Gross Domestic Product by Region, 2015



# 2015 U.S. Ocean Economy Great Lakes

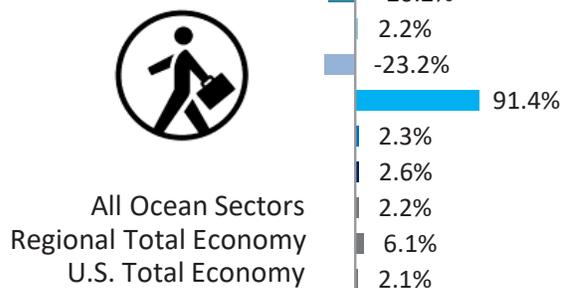
## Annual Totals

The ocean economy accounted for 1.1% of total employment and 0.6% of total GDP in the region

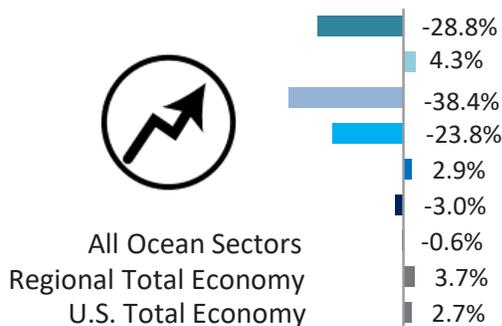


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

### Annual Changes in Employment



### Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

**Note:** Some data are suppressed to maintain the confidentiality of individual businesses. The share of the suppressed data is represented in gray in the circle charts.

# Great Lakes Maritime Economy

**Total economy.** The region employed 26.1 million people and generated \$1.3 trillion in wages and \$3.1 trillion in gross domestic product. This translates to 18.7 percent of U.S. employment, 17.5 percent of U.S. wages, and 17.1 percent of the nation's gross domestic product.

**Maritime economy.** The Great Lakes' maritime economy employed 300,000 people and generated \$8.4 billion in wages and \$18.0 billion of gross domestic product. The maritime economy accounted for 1.1 percent of the Great Lakes' total employment, 0.6 percent of its wages, and 0.6 percent of its gross domestic product.

**Employment.** Employment across the Great Lakes' maritime economy grew by 2.2 percent, compared to the regional employment growth of 6.1 percent and 2.1 percent nationally. Within the region's maritime economy, the tourism and recreation sector was the largest employer with 78.0 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Maritime economy annual wages averaged \$27,974 for the Great Lakes, below the overall average for the region of \$49,638. This was largely due to the relatively low average wages in tourism and recreation sector and this sector's dominance in the maritime economy. However, three of the six maritime sectors (marine construction, offshore mineral extraction, and marine transportation) had wages above the regional average.

**Gross domestic product.** Gross domestic product for the ocean economy declined by 0.6 percent here, compared to overall growth rates of 3.7 percent for the region and 2.7 percent nationally. The Great Lakes maritime economy was affected by the 2007-2010 economic downturn more severely than were the regional and U.S. economies, and is still recovering slowly. The tourism and recreation sector accounted for the largest percentage of the region's maritime economy at 57.7 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Illinois and Michigan accounted for about half the employment and gross domestic product in the region's maritime economy due to the concentration of tourism and recreation activities in these two states.

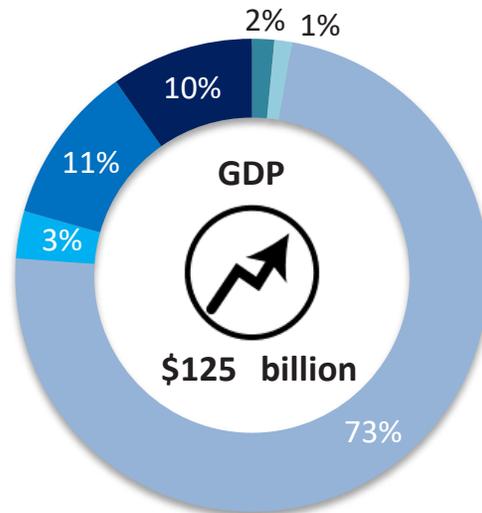
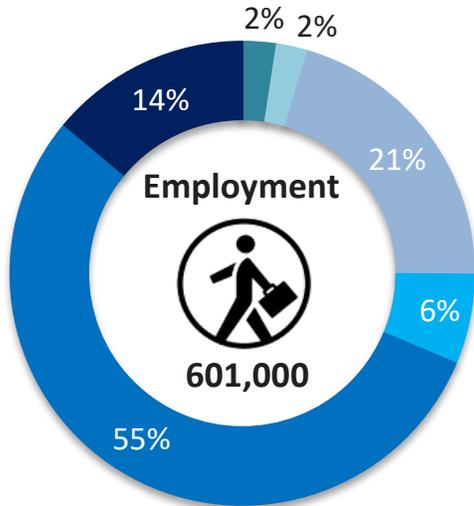
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**About this Information:** *The region contains Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin, and the Great Lakes portions of Pennsylvania and New York. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean Economy Gulf of Mexico

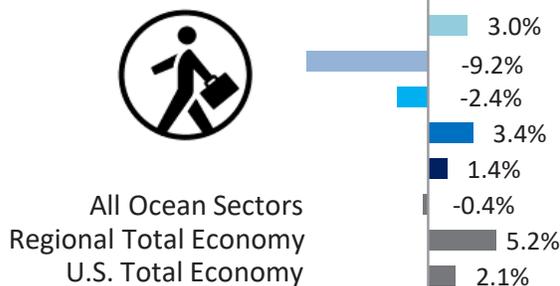
## Annual Totals

The ocean economy accounted for 3.0% of total employment and 5.0% of total GDP in the region

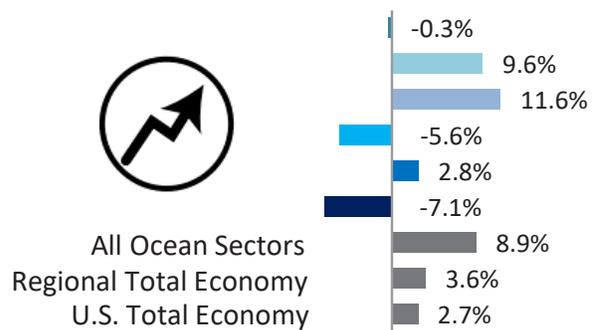


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

# Gulf of Mexico Ocean Economy

**Total economy.** The region employed 20.0 million people and generated \$1.0 trillion in wages and \$2.5 trillion in gross domestic product. This translates to 14.3 percent of U.S. employment, 13.5 percent of U.S. wages, and 13.8 percent of the nation's gross domestic product.

**Ocean economy.** The Gulf's ocean economy employed 601,000 people and generated \$35.6 billion in wages and \$125 billion of gross domestic product. The ocean economy accounted for 3.0 percent of the region's total employment, 3.6 percent of its wages, and 5.0 percent of its gross domestic product.

**Employment.** Employment across the Gulf's ocean economy declined by 0.4 percent, compared to the region's employment growth of 5.2 percent, and 2.1 percent nationally. This was largely due to the decline of employment in the offshore mineral extraction sector. Within the ocean economy, the tourism and recreation sector was the largest employer with 54.7 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$59,345 in this region, above the overall average wage for the region of \$49,987. This was largely due to the high wages found in the offshore mineral extraction sector. Three of the other ocean sectors (marine construction, ship and boat building, and marine transportation) also had wages above the regional average.

**Gross domestic product.** Gross domestic product for the ocean economy grew by 8.9 percent here, compared to overall growth rates of 3.6 percent for the region and 2.7 percent nationally. The Gulf's ocean economy was affected by the 2007-2010 economic downturn more severely than were other regional and U.S. economies, making this change of events particularly noteworthy. The inflation-adjusted gross domestic product in 2015 was 51.3 percent higher than pre-recession levels (2007), contrasted with a 6.2 percent growth in the U.S. economy as a whole. The offshore mineral extraction sector accounted for the largest percentage of the region's ocean economy at 74.8 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Of all regions, the Gulf contributed the highest percentage of gross domestic product in the entire U.S. ocean economy (39.0 percent). Texas was the largest contributor of gross domestic product (75.1 percent) in the Gulf's ocean economy. Meanwhile, Florida's Gulf counties employed the most workers (41.5 percent) in the region's ocean economy, thanks to the tourism and recreation sector. Harris County, Texas, was the largest single contributor among all the counties in this region, accounting for 20.3 percent of the Gulf's ocean economy workforce and 67.7 percent of its gross domestic product. In terms of gross domestic product, this county was also the largest ocean economy contributor in the nation.

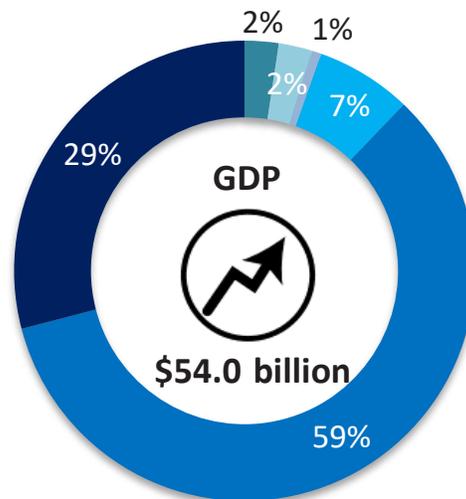
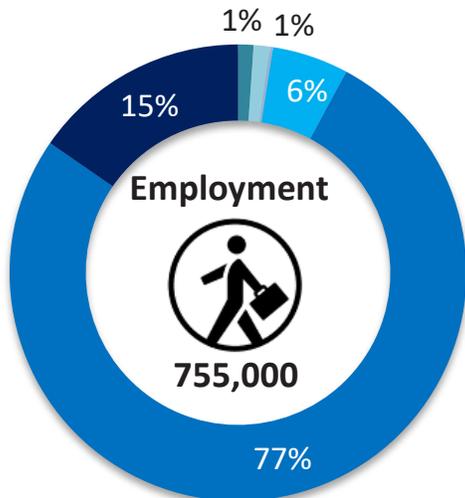
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**About this Information:** *The Gulf of Mexico region contains Alabama, Louisiana, Mississippi, Texas, and the portion of Florida that faces the Gulf. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean Economy Mid-Atlantic

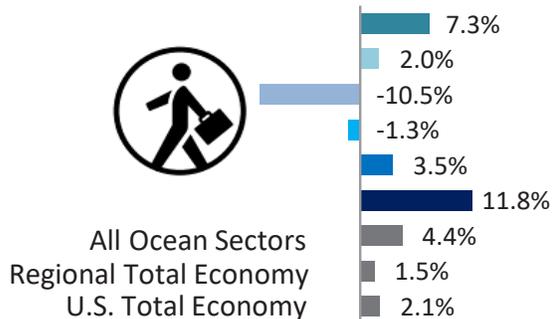
## Annual Totals

The ocean economy accounted for 3.3 % of total employment and 1.6% of total GDP in the region

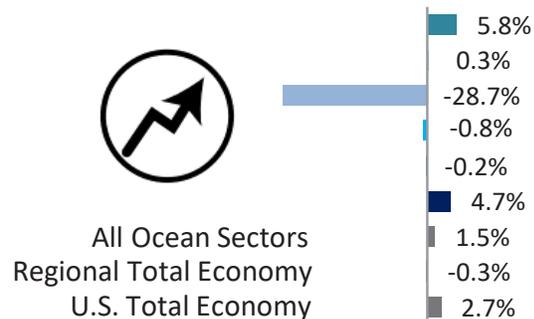


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

# Mid-Atlantic Ocean Economy

**Total economy.** The region employed 23.0 million people and generated \$1.4 trillion in wages and \$3.4 trillion in gross domestic product. This translates to 16.5 percent of U.S. employment, 19.2 percent of U.S. wages, and 18.7 percent of the nation's gross domestic product.

**Ocean economy.** The Mid-Atlantic's ocean economy employed 755,000 people and generated \$27.8 billion in wages and \$54.0 billion of gross domestic product. The ocean economy accounted for 3.3 percent of the region's total employment, 2.0 percent of its wages, and 1.6 percent of its gross domestic product.

**Employment.** Employment across the Mid-Atlantic ocean economy grew by 4.4 percent, in contrast to the region's employment growth of 1.5 percent and 2.1 percent nationally. Within the ocean economy, the tourism and recreation sector was the largest employer with 76.8 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$36,896 in this region, below the regional average of \$61,436. This was largely due to the relatively low average wages found in the tourism and recreation sector and this sector's dominance in the ocean economy. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the regional average.

**Gross domestic product.** The Mid-Atlantic's ocean economy weathered the 2007-2010 economic downturn much better than the regional and U.S. economies. The uptrend continued in 2015 at a rate of 1.5 percent, compared to a decline of 0.3 percent for the region and overall growth of 2.7 percent nationally. Inflation-adjusted gross domestic product in 2015 was still higher than pre-recession levels (2007) at 21.0 percent, contrasted with 6.2 percent growth in the U.S. economy as a whole. The tourism and recreation sector accounted for the largest percentage of the region's ocean economy at 58.7 percent, while the marine transportation sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Of all the regions, the Mid-Atlantic region employed the highest percentage of the entire U.S. ocean economy workforce (23.8 percent). New York was the largest single contributor, accounting for almost half the employment and gross domestic product in the region's ocean economy. Home to several major shipyards, Virginia alone accounted for about 23.0 percent of employment in the nation's ship and boat building sector, and 18.1 percent of the sector's gross domestic product.

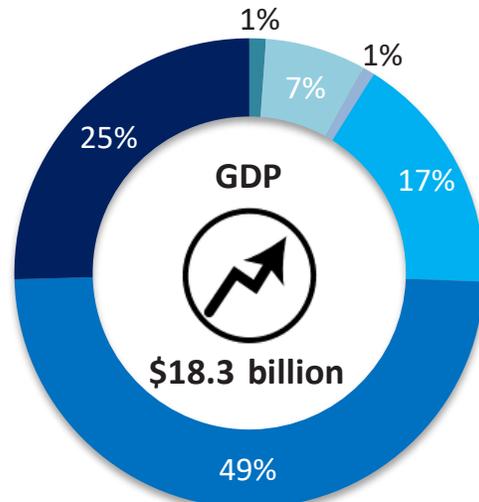
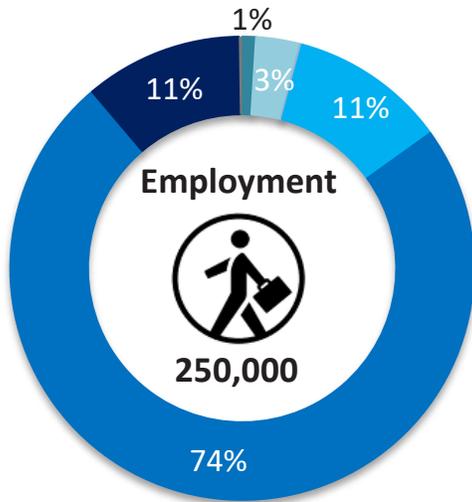
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**About this Information:** *The region contains Delaware, Maryland, New Jersey, Virginia, and the portions of New York and Pennsylvania that face the Atlantic Ocean. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean Economy Northeast

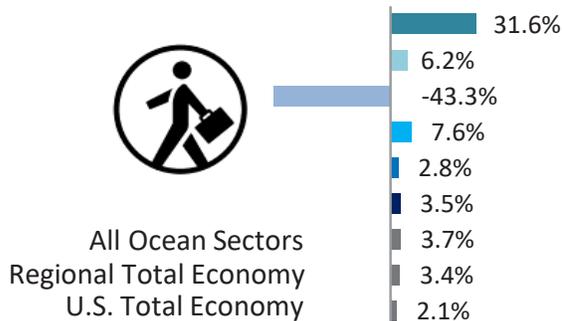
## Annual Totals

The ocean economy accounted for 3.7% of total employment and 2.0% of total GDP in the region

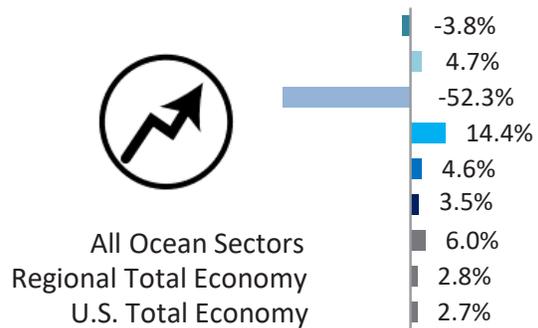


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

# Northeast Ocean Economy

**Total economy.** The region employed 6.8 million people and generated \$420 billion in wages and \$932 billion in gross domestic product. This translates to 4.9 percent of U.S. employment, 5.7 percent of U.S. wages, and 5.2 percent of the nation's gross domestic product.

**Ocean economy.** The Northeast's ocean economy employed 250,000 people and generated \$9.3 billion in wages and \$18.3 billion of gross domestic product. The ocean economy accounted for 3.7 percent of the region's total employment, 2.2 percent of its wages, and 2.0 percent of its gross domestic product.

**Employment.** Employment across the Northeast's ocean economy grew by 3.7 percent, in contrast to the region's employment growth of 3.4 percent and 2.1 percent nationally. Within the ocean economy, the tourism and recreation sector was the largest employer with 73.7 percent. This sector also experienced the highest employment gains.

**Wages.** Ocean economy annual wages averaged \$37,015 in this region, below the overall average wage for the region of \$61,788. This was largely due to the relatively low average wages found in tourism and recreation and this sector's dominance in the ocean economy. However, two of the ocean sectors (ship and boat building, and marine transportation) had wages above the regional average.

**Gross domestic product.** The Northeast's ocean economy weathered the 2007-2010 economic downturn much better than the regional and U.S. economies. The uptrend continued in 2015, as gross domestic product for the ocean economy grew by 6.0 percent, compared to overall regional growth rates of 2.8 percent and 2.7 percent nationally. The inflation-adjusted gross domestic product in 2015 was 26.1 percent higher than pre-recession levels (2007), contrasted with a 6.2 percent growth in the U.S. economy as a whole. The tourism and recreation sector accounted for the largest percentage of the region's ocean economy at 49.2 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Massachusetts was the largest single contributor to the Northeast's ocean economy, accounting for more than one-third of its employment and gross domestic product. Home to the port of Boston, Middlesex County, Massachusetts, accounted for almost one-third of the gross domestic product in the region's marine transportation sector.

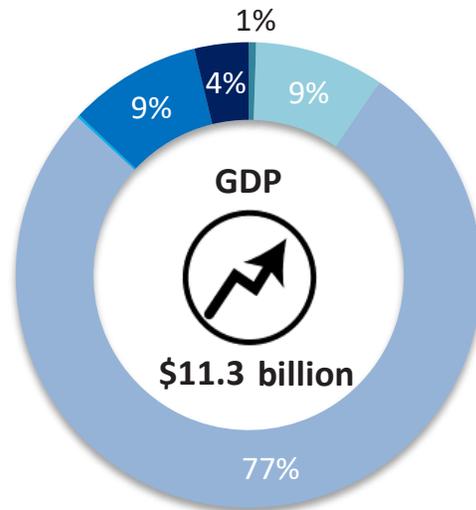
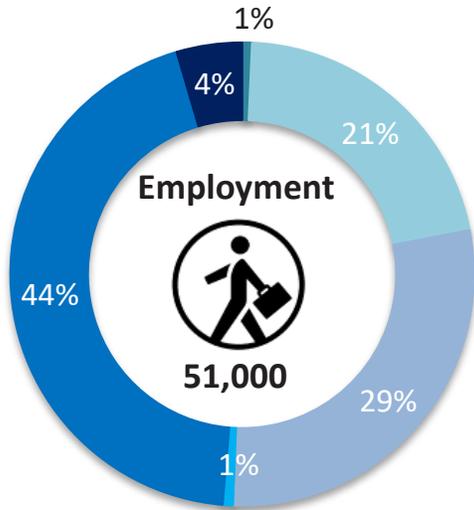
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**About this Information:** *The region contains Connecticut, Maine, Massachusetts, New Hampshire, and Rhode Island. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean Economy North Pacific

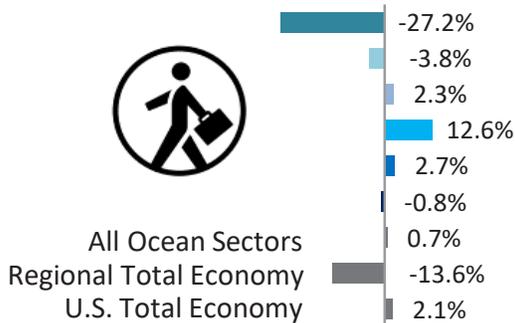
## Annual Totals

The ocean economy accounted for 17.8% of total employment and 24.2% of total GDP in the region

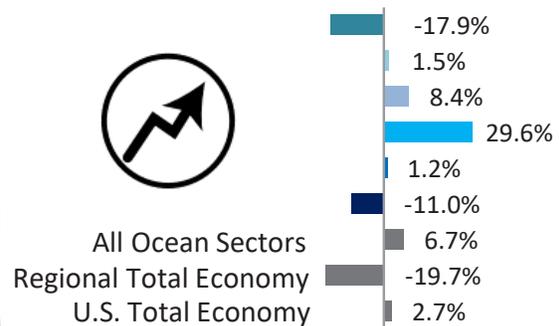


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

# North Pacific Ocean Economy

**Total economy.** The region employed 330,000 people and generated \$17.6 billion in wages and \$58.1 billion in gross domestic product. This translates to 0.2 percent of U.S. employment, 0.2 percent of U.S. wages, and 0.3 percent of the nation's gross domestic product.

**Ocean economy.** The North Pacific's ocean economy employed 51,000 people and generated \$3.2 billion in wages and \$11.3 billion of gross domestic product. The ocean economy accounted for 15.4 percent of the region's total employment, 18.2 percent of its wages, and 19.5 percent of its gross domestic product.

**Employment.** Employment across the North Pacific's ocean economy grew by 0.7 percent, in contrast to the region's employment decline of 13.6 percent and overall growth of 2.1 percent nationally. Within the ocean economy, the tourism and recreation sector was the largest employer with 44.1 percent. This sector also experienced the highest employment gains.

**Wages.** Ocean economy annual wages averaged \$63,231 in this region, above the overall average wage for the region of \$53,418. This was largely due to the high wages found in the offshore mineral extraction sector. Three of the other ocean sectors (marine construction, offshore mineral extraction, and marine transportation) also had wages above the regional average.

**Gross domestic product.** The North Pacific's ocean economy weathered the 2007-2010 economic downturn much better than the regional and U.S. economies. The uptrend continued in 2015, as gross domestic product from the ocean economy grew by 6.7 percent here, compared to a regional decline rate of 19.7 percent and overall growth rate of 2.7 percent nationally. The offshore mineral extraction sector accounted for the largest percentage of the region's ocean economy at 77.3 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Surrounded by the world's busiest commercial fishing waters, Alaska employed the most workers in the nation's living resources sector. Anchorage, Alaska, was the largest single contributor, accounting for 38.4 percent of the North Pacific's ocean economy workforce and 42.8 percent of its gross domestic product. In the nation's offshore mineral extraction sector, Anchorage was the second largest contributor in terms of gross domestic product.

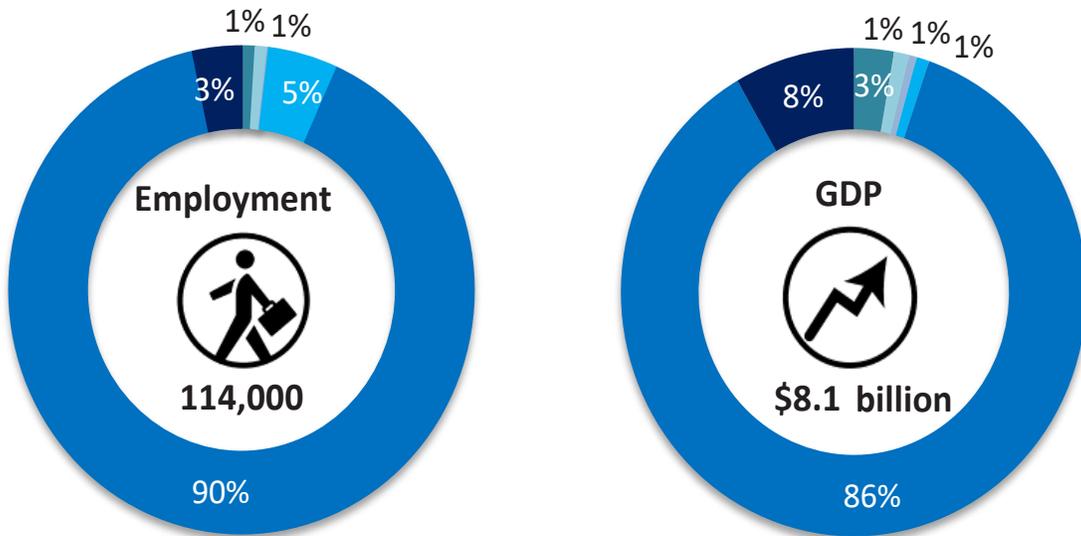
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**About this Information:** *The region contains the state of Alaska. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean Economy Pacific

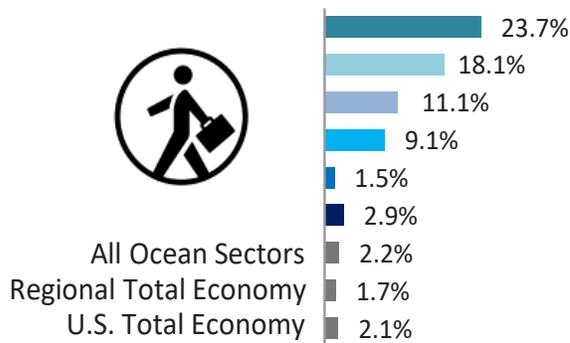
## Annual Totals

The ocean economy accounted for 17.9% of total employment and 10.0% of total GDP in the region

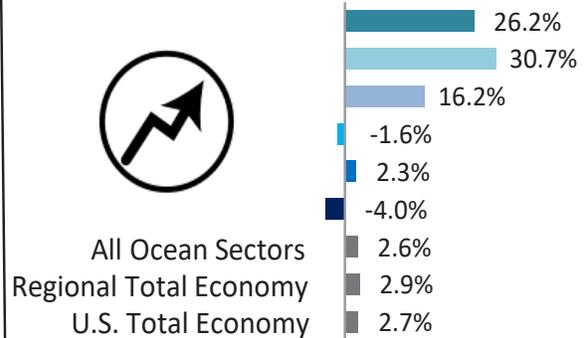


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

# Pacific Ocean Economy

**Total economy.** The region employed 626,000 people and generated \$28.3 billion in wages and \$76.4 billion in gross domestic product. This translates to 0.4 percent of U.S. employment, 0.4 percent of U.S. wages, and 0.4 percent of the nation's gross domestic product.

**Ocean economy.** The Pacific's ocean economy employed 114,000 people and generated \$4.2 billion in wages and \$8.1 billion of gross domestic product. The ocean economy accounted for 17.9 percent of the region's total employment, 14.0 percent of its wages, and 10.0 percent of its gross domestic product.

**Employment.** Employment across the Pacific's ocean economy grew by 2.2 percent, in contrast to the region's employment growth of 1.7 percent and 2.1 percent nationally. Within the ocean economy, the tourism and recreation sector was the largest employer with 89.9 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$36,531 in this region, below the overall average wage for the region of \$46,885. This was largely due to the relatively low average wages found in tourism and recreation and this sector's dominance in the ocean economy. However, four of the ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the regional average.

**Gross domestic product.** The Pacific region's ocean economy grew by 2.6 percent, compared to overall regional growth rates of 2.9 percent and 2.7 percent nationally. The Pacific's ocean economy was affected by the 2007-2010 economic downturn more severely than were the regional and U.S. economies. The inflation-adjusted gross domestic product in 2015 for the region's ocean economy is 0.7 percent higher than pre-recession levels (2007), slower than the 6.2 percent growth in the U.S. economy as a whole. The tourism and recreation sector accounted for the largest percentage of the region's ocean economy at 86.4 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** The Pacific region's (Hawaii) economy depends on ocean-related employment more than any other region (18.2 percent). Honolulu County, Hawaii, was the largest single contributor to the region's ocean economy, accounting for 46.2 percent of its employment and 35.0 percent of its gross domestic product.

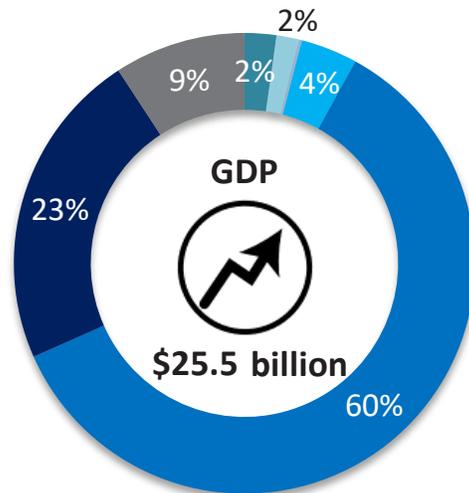
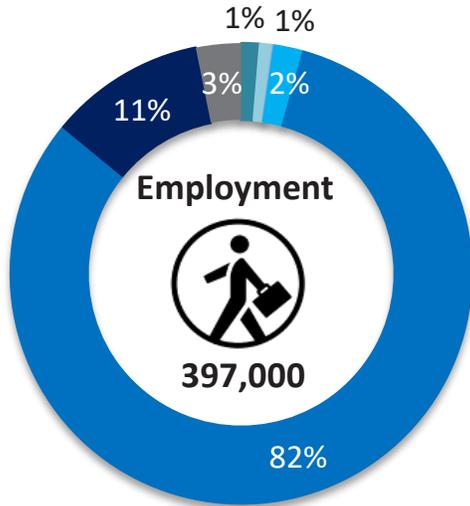
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**About this Information:** *The region contains the state of Hawaii. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean Economy Southeast

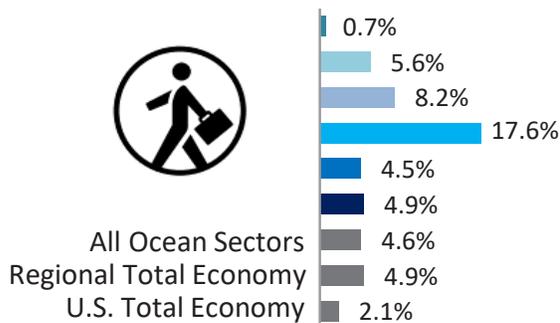
## Annual Totals

The ocean economy accounted for 2.7% of total employment and 1.5% of total GDP in the region

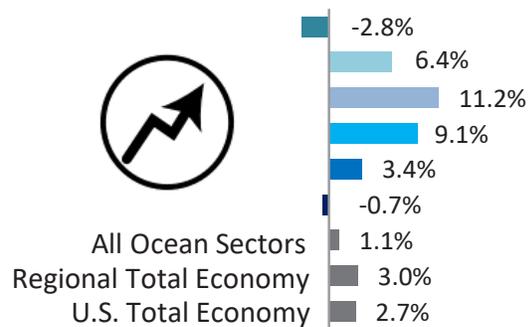


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

**Note:** Some data are suppressed to maintain the confidentiality of individual businesses. The share of the suppressed data is represented in gray in the circle charts.

# Southeast Ocean Economy

**Total economy.** The region employed 14.9 million people and generated \$700 billion in wages and \$1.7 trillion in gross domestic product. This translates to 10.7 percent of U.S. employment, 9.5 percent of U.S. wages, and 9.7 percent of the nation's gross domestic product.

**Ocean economy.** The Southeast's ocean economy employed 397,000 people and generated \$11.2 billion in wages and \$25.5 billion of gross domestic product. The ocean economy accounted for 2.7 percent of the region's total employment, 1.6 percent of its wages, and 1.5 percent of its gross domestic product.

**Employment.** Employment across the Southeast's ocean economy grew by 4.6 percent, compared to the region's similar employment growth of 4.9 percent, and 2.1 percent nationally. Within the ocean economy, the tourism and recreation sector was the largest employer with 81.6 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$28,369 in this region, below the overall average wage for the region of \$47,025. This was largely due to the relatively low average wages found in tourism and recreation and this sector's dominance in the ocean economy. However, two of the ocean sectors (marine construction and marine transportation) had wages above the regional average.

**Gross domestic product.** The Southeast's ocean economy weathered the 2007-2010 economic downturn much better than the regional and U.S. economies. The uptrend slowed in 2015, as gross domestic product from the ocean economy grew by 1.1 percent here, compared to an overall regional growth rate of 3.0 percent and 2.7 percent nationally. The inflation-adjusted gross domestic product in 2015 was 8.6 percent higher than pre-recession levels (2007), contrasted with a 6.2 percent growth in the U.S. economy as a whole. The tourism and recreation sector accounted for the largest percentage of the region's ocean economy at 60.4 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Of all the regions, the Southeast recovered the fastest in its ocean economy since 2007. Florida's Atlantic counties accounted for almost two-thirds of the employment and gross domestic product in the Southeast's ocean economy. Miami-Dade County, Florida, was the largest single contributor to the region's ocean economy, accounting for 19.9 percent of its employment and 30.4 percent of its gross domestic product.

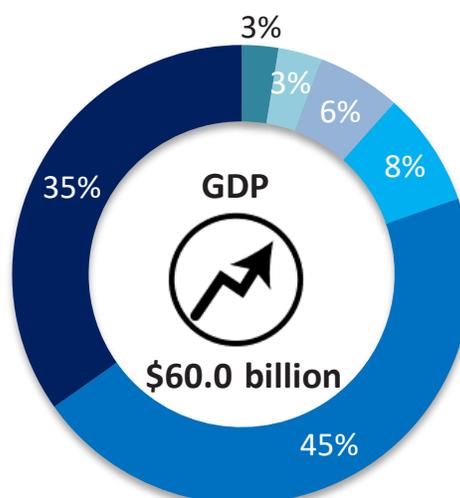
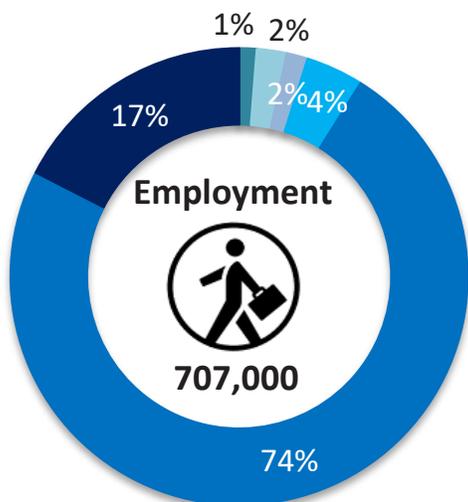
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**About this Information:** *The region contains Georgia, North Carolina, South Carolina, and the portion of Florida that faces the Atlantic Ocean. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean Economy West Coast

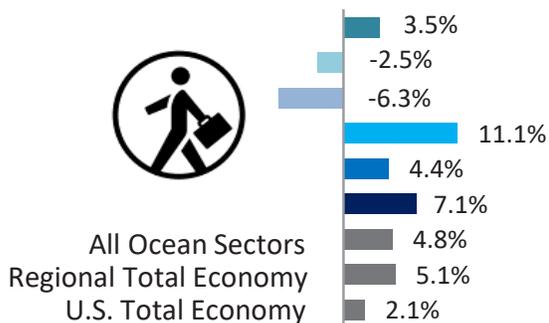
## Annual Totals

The ocean economy accounted for 3.3% of total employment and 1.9% of total GDP in the region

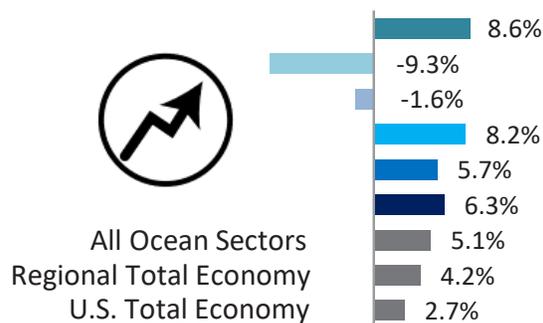


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

# West Coast Ocean Economy

**Total economy.** The region employed 21.2 million people and generated \$1.3 trillion in wages and \$3.2 trillion in gross domestic product. This translates to 15.2 percent of U.S. employment, 17.2 percent of U.S. wages, and 17.5 percent of the nation's gross domestic product.

**Ocean economy.** The West Coast's ocean economy employed 707,000 people and generated \$28.1 billion in wages and \$60.0 billion of gross domestic product. The ocean economy accounted for 3.3 percent of the region's total employment, 2.2 percent of its wages, and 1.9 percent of its gross domestic product.

**Employment.** Employment across the West Coast's ocean economy grew by 4.8 percent, compared to the region's similar employment growth of 5.1 percent and 2.1 percent nationally. Within the ocean economy, the tourism and recreation sector was the largest employer with 73.6 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$39,775 in this region, below the overall average wage for the region of \$59,829. This was largely due to the relatively low average wages found in tourism and recreation and this sector's dominance in the ocean economy. However, four of the ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the regional average.

**Gross domestic product.** The West Coast's ocean economy weathered the 2007-2010 economic downturn much better than the regional and U.S. economies. The uptrend continued in 2015, as gross domestic product from the ocean economy grew by 5.1 percent here, compared to overall regional growth rates of 4.2 percent and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the region's ocean economy at 45.6 percent. This sector also experienced the highest absolute gains in gross domestic product.

**Superlatives.** With some of the nation's largest deepwater ports, the West Coast region alone accounted for almost one-third of the gross domestic product in the nation's marine transportation sector. California was the largest single contributor, accounting for about three-fourths of West Coast's ocean economy. The state also accounted for almost one-fourth of the nation's marine transportation sector. Washington State has some of the largest seafood processors in the nation. The state has its own important commercial fishing industry but is also the base of many commercial fishing boats working in Alaskan waters. At the county level, Los Angeles County and San Diego County were the two largest contributors, accounting for about one-third of the region's ocean economy employment and gross domestic product. Los Angeles County was also the largest contributor to the nation's marine transportation sector of all the coastal counties.

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**About this Information:** *The region contains California, Oregon, and Washington. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

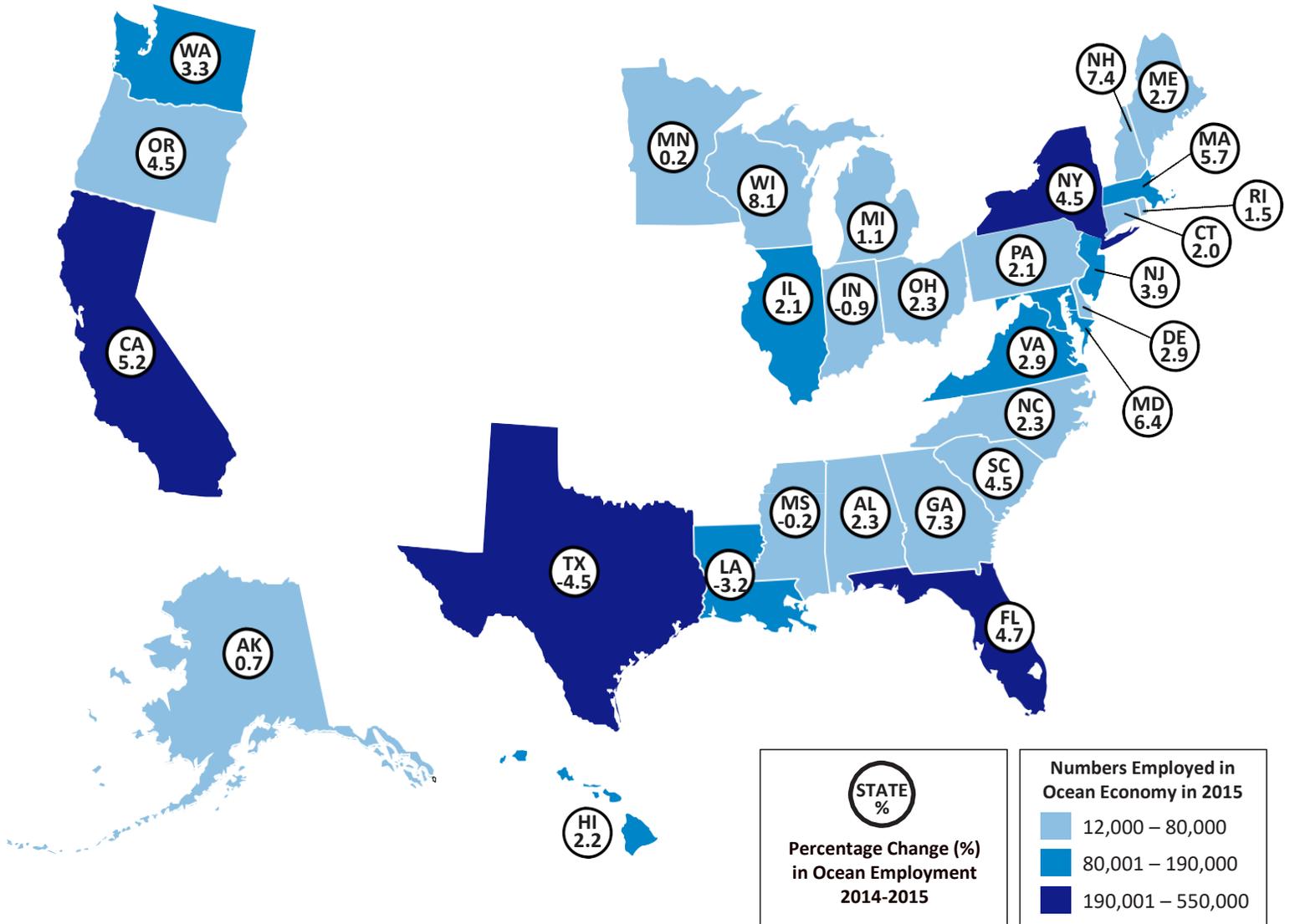
# State Profiles

ENOW also reports on the U.S. ocean and Great Lakes economy for the 30 states that are directly adjacent to these water bodies. The profiles that follow summarize how the six economic sectors dependent on the ocean and Great Lakes contribute to these coastal state economies.

On average, the ocean economy accounted for 2.8 percent of total employment and 2.1 percent of total gross domestic product in these coastal states. The percentage share of the ocean economy varies by state according to the length of the state's shoreline and its ocean sectors. For example, in 2015, the ocean economy accounted for more than 15 percent of the total employment in Alaska and Hawaii, while it only accounted for about 0.5 percent in Indiana and Minnesota.

The map below shows the distribution and annual growth of employment for the 30 states in 2015. Four of the states (California, Florida, New York, and Texas) together accounted for about half the employment and gross domestic product in the U.S. ocean and Great Lakes economy. California was the largest employer in the nation's ocean economy, accounting for 17.1 percent, while Texas was the largest contributor in terms of gross domestic product, accounting for 29.3 percent of the goods and services. Wisconsin, Georgia, and New Hampshire were the leading states in the growth of ocean employment, each growing more than 5 percent between 2014 and 2015.

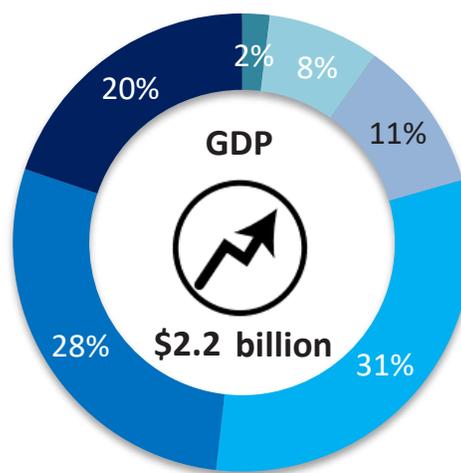
# Ocean Employment Numbers by State and Percentage Change



# 2015 U.S. Ocean and Great Lakes Economy Alabama

## Annual Totals

The ocean economy accounted for 1.6% of total employment and 1.1% of total GDP in the state

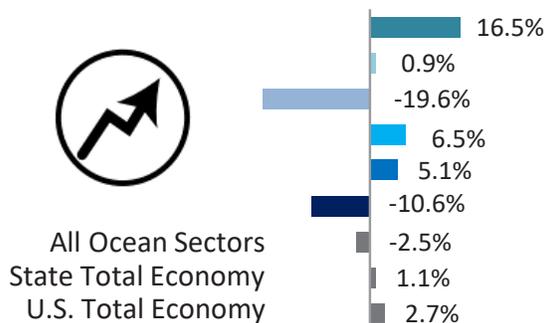


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Alabama Ocean Economy

**Total economy.** Alabama employed 1.9 million people and generated \$83.7 billion in wages and \$200 billion in gross domestic product. This translates to 1.4 percent of U.S. employment, 1.1 percent of U.S. wages, and 1.1 percent of the nation's gross domestic product.

**Ocean economy.** Alabama's ocean economy employed 29,494 people and generated \$974 million in wages and \$2.2 billion in gross domestic product. The ocean economy accounted for 1.6 percent of Alabama's employment, 1.2 percent of its wages, and 1.1 percent of its gross domestic product.

**Employment.** Employment across Alabama's ocean economy grew by 2.3 percent, in contrast to the state's employment growth of 3.9 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 58.5 percent and experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$33,014 for Alabama, below the overall average for the state of \$46,021. This was largely due to the relatively low average wages in tourism and recreation and living resources sectors. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Alabama's ocean economy declined by 2.5 percent, compared to overall growth rates of 1.1 percent for the state and 2.7 percent nationally. The offshore mineral extraction sector experienced the largest reduction in gross domestic product, losing \$74.0 million. The ship and boat building sector accounted for the largest percentage of the state's ocean economy at 31.2 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Mobile County was the largest contributor to the state's ocean economy, accounting for about 54.4 percent of the employment and 66.6 percent of the gross domestic product. Mobile County ranked third among all coastal counties in the U.S. in the ship and boat building sector. Overall, Alabama's ocean economy ranked 25th in employment and 23rd in gross domestic product among coastal states.

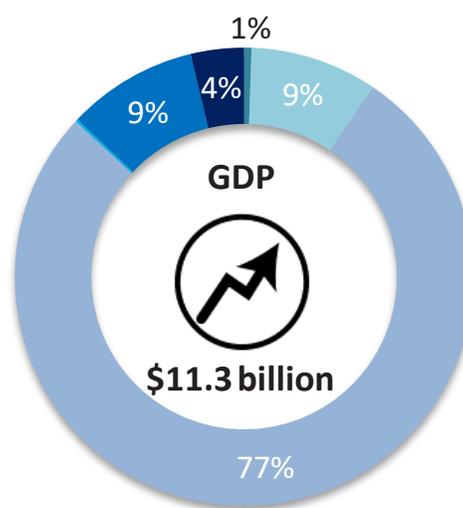
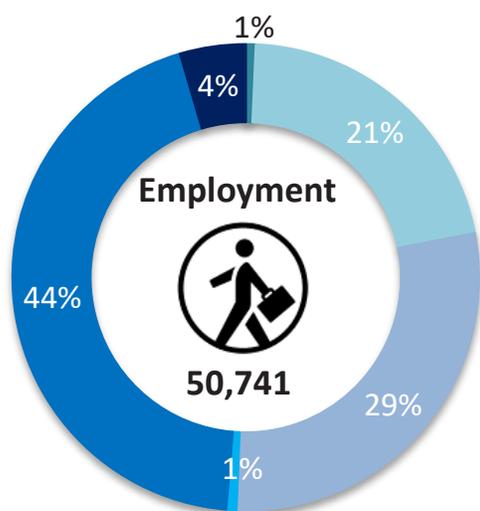
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# 2015 U.S. Ocean and Great Lakes Economy Alaska

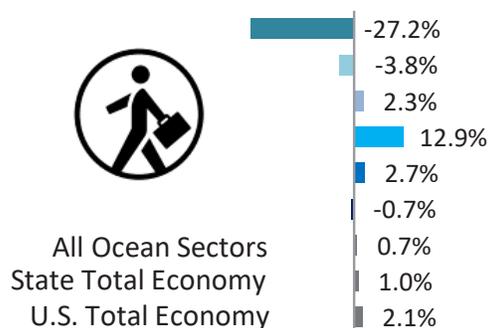
## Annual Totals

The ocean economy accounted for 15.3 % of total employment and 21.2 % of total GDP in the state

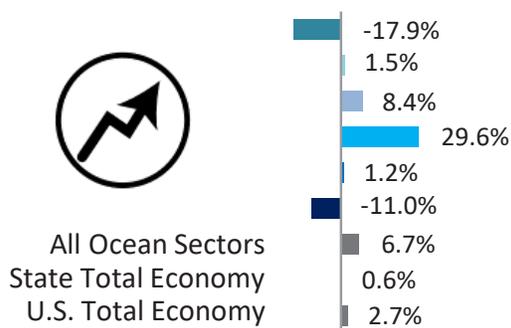


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Alaska Ocean Economy

**Total economy.** Alaska employed 331,681 people and generated \$18.2 billion in wages and \$53.4 billion in gross domestic product. This translates to 0.2 percent of U.S. employment, 0.2 percent of U.S. wages, and 0.3 percent of the nation's gross domestic product.

**Ocean economy.** Alaska's ocean economy employed 50,741 people and generated \$3.2 billion in wages and \$11.3 billion in gross domestic product. The ocean economy accounted for 15.3 percent of Alaska's employment, 17.7 percent of its wages, and 21.2 percent of its gross domestic product.

**Employment.** Employment across Alaska's ocean economy grew by 0.7 percent, in contrast to the state's employment growth of 1.0 percent, and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 44.1 percent, and experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$63,231 for Alaska, above the overall average for the state of \$55,325. This was largely due to the high average wages in the offshore mineral extraction sector. Two of the other ocean sectors (marine construction and marine transportation) also had wages above the state average.

**Gross domestic product.** Gross domestic product for Alaska's ocean economy grew by 6.7 percent, compared to an overall growth rate of 0.6 percent for the state and 2.7 percent nationally. The offshore mineral extraction sector accounted for the largest percentage of the state's ocean economy at 77.3 percent and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Alaska was the largest employer in the nation's living resources sector and the second largest contributor in the nation's offshore mineral extraction sector, behind Texas. Anchorage, Alaska, was the largest contributor to the state's ocean economy, as tourism and recreation and offshore mineral extraction activities were highly concentrated in this area. In the nation's offshore mineral extraction sector, Anchorage was the second largest contributor in terms of gross domestic product, behind Harris County, Texas. Overall, Alaska's ocean economy ranked 16th in employment and 7th in gross domestic product among coastal states.

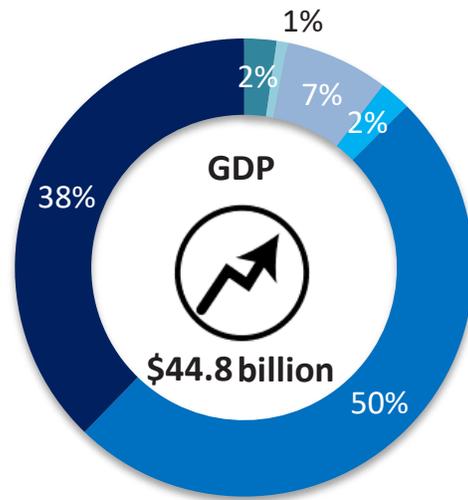
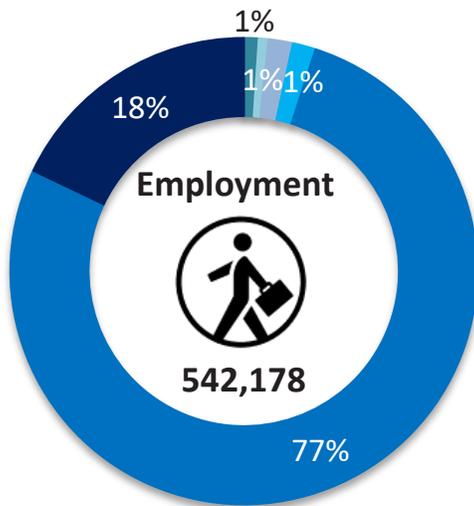
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# 2015 U.S. Ocean and Great Lakes Economy California

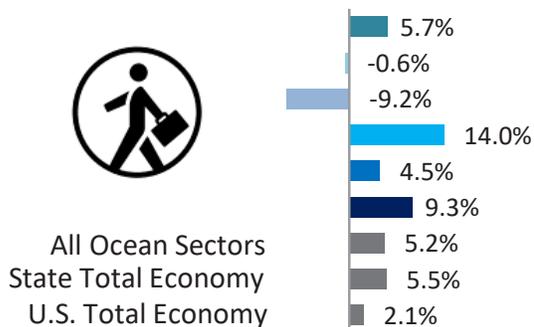
## Annual Totals

The ocean economy accounted for 3.3% of total employment and 1.8% of total GDP in the state

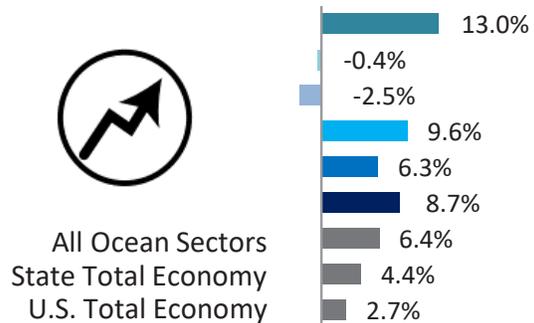


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## California Ocean Economy

**Total economy.** California employed 16.3 million people and generated \$1.0 trillion in wages and \$2.5 trillion in gross domestic product. This translates to 11.7 percent of U.S. employment, 13.6 percent of U.S. wages, and 13.8 percent of the nation's gross domestic product.

**Ocean economy.** California's ocean economy employed 542,178 people and generated \$21.6 billion in wages and \$44.8 billion in gross domestic product. The ocean economy accounted for 3.3 percent of California's employment, 2.2 percent of its wages, and 1.8 percent of its gross domestic product.

**Employment.** Employment across California's ocean economy grew by 5.2 percent, similar to the state's employment growth of 5.5 percent, and compared to a rate of 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 77.1 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$39,880 for California, below the overall average for the state of \$65,083. This was largely due to the relatively low average wages per employee in tourism and recreation and this sector's dominance in the ocean economy. However, three of the six ocean sectors (marine construction, offshore mineral extraction, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for California's ocean economy grew by 6.4 percent, compared to overall growth rates of 4.4 percent for the state and 2.7 percent nationally. The offshore mineral extraction sector experienced the largest reduction in gross domestic product, losing \$103.3 million. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 49.7 percent, while the marine transportation sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** In the nation's marine transportation sector, California accounted for the largest percentage at about one-fourth of the employment and gross domestic product. More than half of the state's ocean economy was concentrated in Los Angeles, San Diego, and San Francisco. Los Angeles and San Diego Counties ranked among the top five coastal counties in the U.S. ocean and Great Lakes economy for employment and gross domestic product. Los Angeles County's contribution to the nation's marine transportation sector was the greatest of all counties. Overall, California's ocean economy ranked 1st in terms of employment and 2nd in terms of gross domestic product.

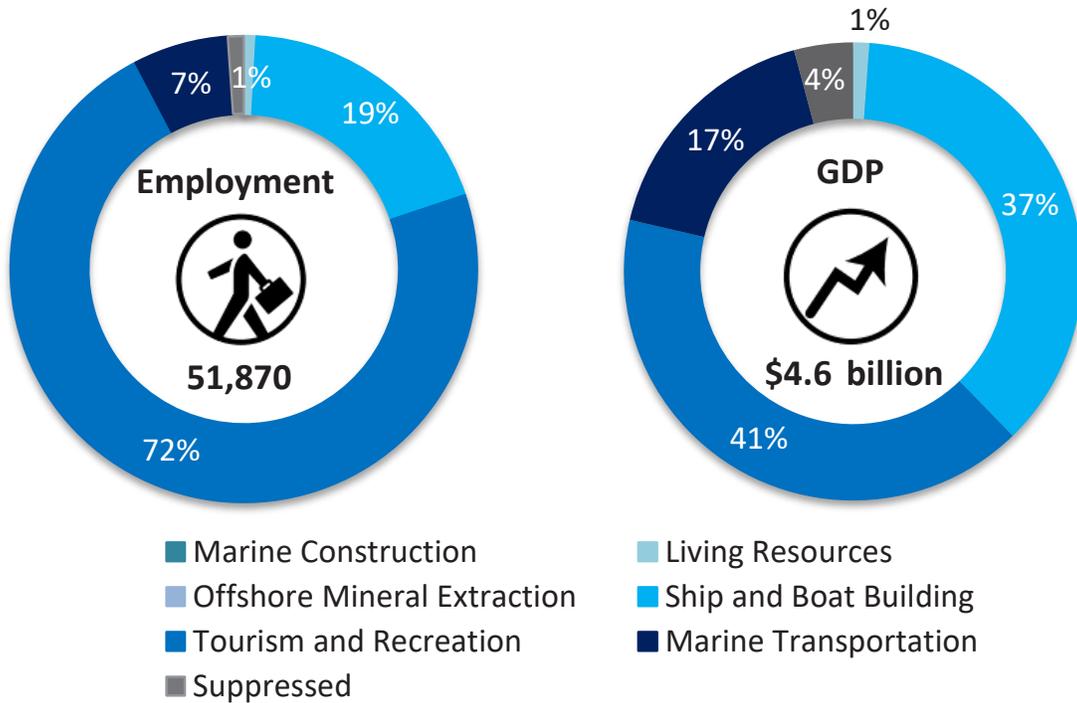
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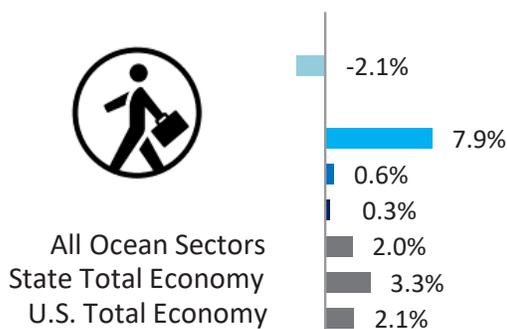
# 2015 U.S. Ocean and Great Lakes Economy Connecticut

## Annual Totals

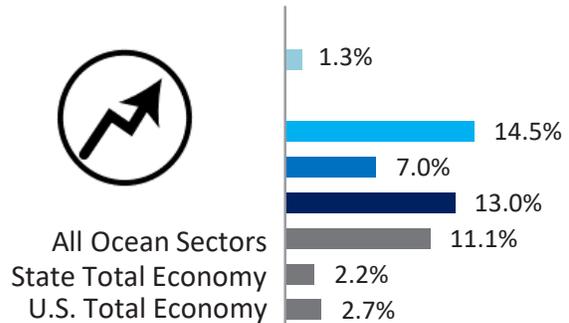
The ocean economy accounted for 3.1 % of total employment and 1.8 % of total GDP in the state



## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

**Note:** Some data are suppressed to maintain the confidentiality of individual businesses. The share of the suppressed data is represented in gray in the circle charts. The unknown trends of the suppressed data are represented as blank in the bar charts.

## Connecticut Ocean Economy

**Total economy.** Connecticut employed 1.7 million people and generated \$109 billion in wages and \$256 billion in gross domestic product. This translates to 1.2 percent of U.S. employment, 1.5 percent of U.S. wages, and 1.4 percent of the nation's gross domestic product.

**Ocean economy.** Connecticut's ocean economy employed 51,870 people and generated \$2.1 billion in wages and \$4.6 billion in gross domestic product. The ocean economy accounted for 3.1 percent of Connecticut's employment, 1.9 percent of its wages, and 1.8 percent of its gross domestic product.

**Employment.** Employment across Connecticut's ocean economy grew by 2.0 percent, compared to the state's employment growth of 3.3 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 72.5 percent. The ship and boat building sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$40,410 for Connecticut, below the overall average for the state of \$67,689. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, two of the six ocean sectors (ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Connecticut's ocean economy grew by 11.1 percent, in contrast to the growth rate of 2.2 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 40.9 percent, while the ship and boat building sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Fairfield County was the largest employer in the state's ocean economy due to the dominance of tourism and recreation in this county. New London County was the largest contributor in gross domestic product in the state's ocean economy. Overall, Connecticut's ocean economy ranked 15th in employment and 14th in gross domestic product among all coastal states.

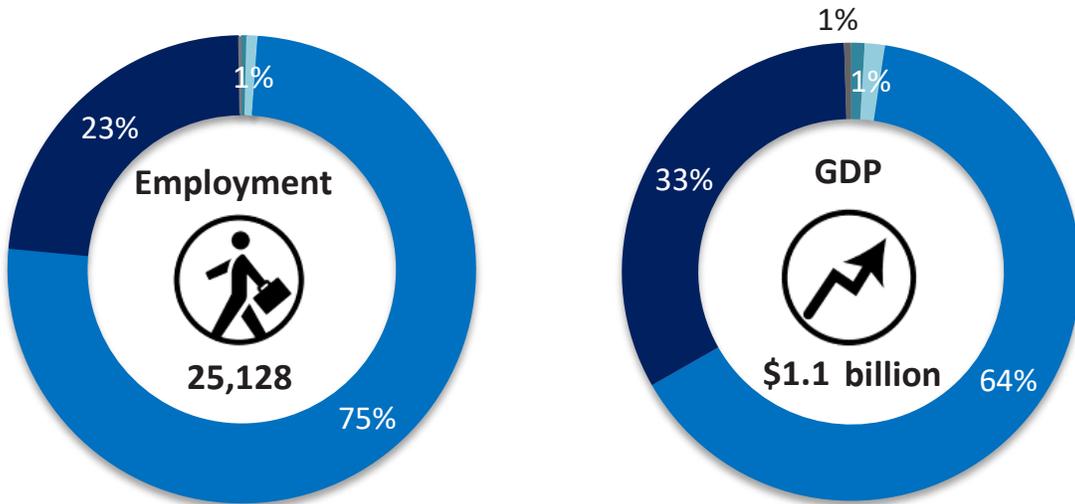
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# 2015 U.S. Ocean and Great Lakes Economy Delaware

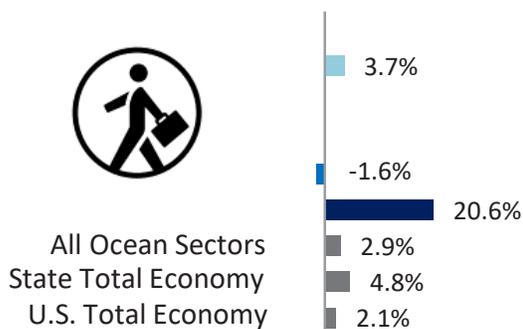
## Annual Totals

The ocean economy accounted for 5.8% of total employment and 1.7% of total GDP in the state

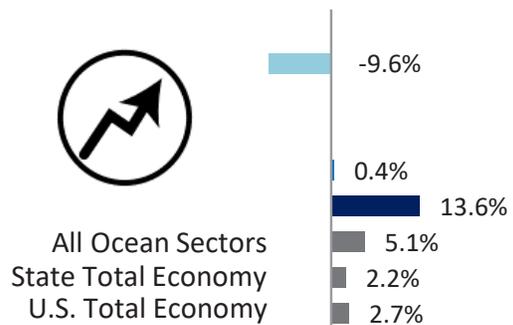


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Delaware Ocean Economy

**Total economy.** Delaware employed 433,749 people and generated \$23.4 billion in wages and \$68.9 billion in gross domestic product. This translates to 0.3 percent of U.S. employment, 0.3 percent of U.S. wages, and 0.4 percent of the nation's gross domestic product.

**Ocean economy.** Delaware's ocean economy employed 25,128 people and generated \$603 million in wages and \$1.1 billion in gross domestic product. The ocean economy accounted for 5.8 percent of Delaware's employment, 2.6 percent of its wages, and 1.7 percent of its gross domestic product.

**Employment.** Employment across Delaware's ocean economy grew by 2.9 percent, compared to the state's employment growth of 4.8 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 75.3 percent, while the marine transportation sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$23,992 for Delaware, below the overall average for the state of \$56,556. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy.

**Gross domestic product.** Gross domestic product for Delaware's ocean economy grew by 5.1 percent, compared to a growth rate of 2.2 percent for the state and an overall growth rate of 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 64.4 percent, while the marine transportation sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Delaware experienced a rapid expansion in the marine transportation sector, growing outstandingly by 20.6 percent in employment and 13.6 percent in gross domestic product. Overall, Delaware's ocean economy ranked 27th in employment and 29th in gross domestic product among all coastal states.

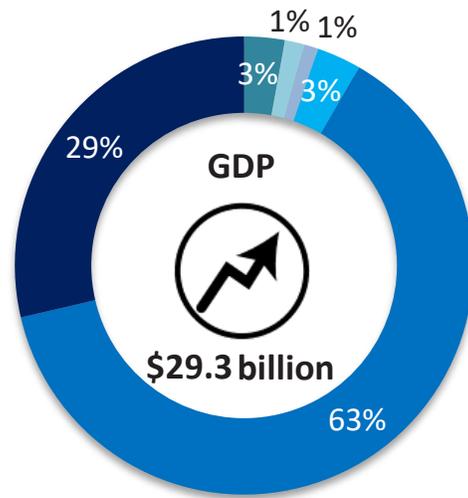
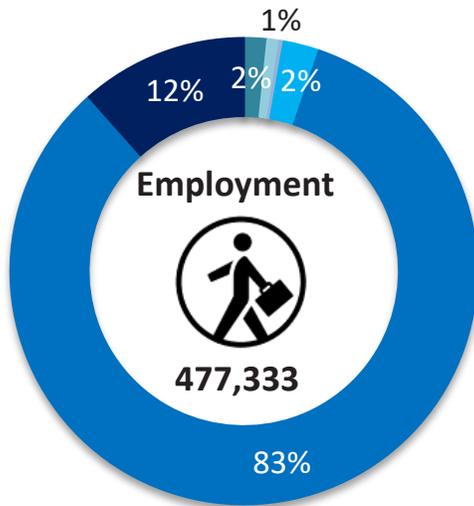
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**About this Information:** *This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean and Great Lakes Economy Florida

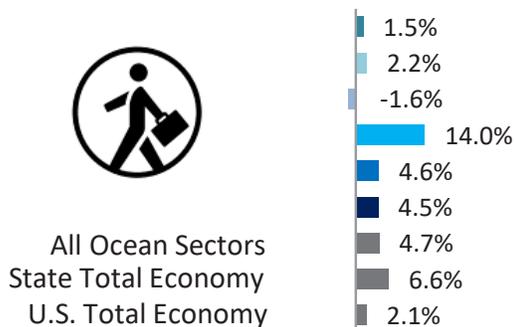
## Annual Totals

The ocean economy accounted for 5.9% of total employment and 3.3% of total GDP in the state

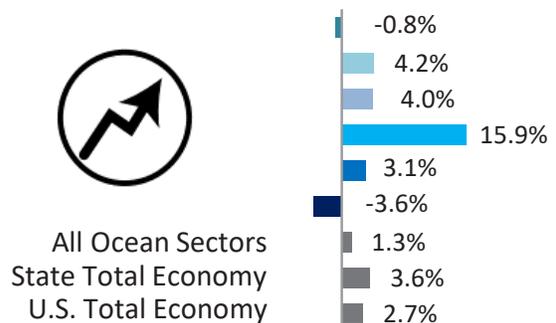


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Florida Ocean Economy

**Total economy.** Florida employed 8.0 million people and generated \$372 billion in wages and \$884 billion in gross domestic product. This translates to 5.8 percent of U.S. employment, 5.0 percent of U.S. wages, and 4.9 percent of the nation's gross domestic product.

**Ocean economy.** Florida's ocean economy employed 477,333 people and generated \$13.8 billion in wages and \$29.3 billion in gross domestic product. The ocean economy accounted for 5.9 percent of Florida's employment, 3.7 percent of its wages, and 3.3 percent of its gross domestic product.

**Employment.** Employment across Florida's ocean economy grew by 4.7 percent, compared to the state's employment growth of 6.6 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 83.2 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$29,000 for Florida, below the overall average for the state of \$49,321. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, three of the six ocean sectors (marine construction, offshore mineral extraction, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Florida's ocean economy grew by 1.3 percent, compared to overall growth rates of 3.6 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 63.0 percent and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Florida is the largest employer in the nation's marine construction sector. Miami-Dade County was the largest contributor to the state's ocean economy, accounting for 16.5 percent of the state's ocean economy employment and 26.5 percent of its gross domestic product. Overall, Florida's ocean economy ranked second in employment and third in gross domestic product among all coastal states.

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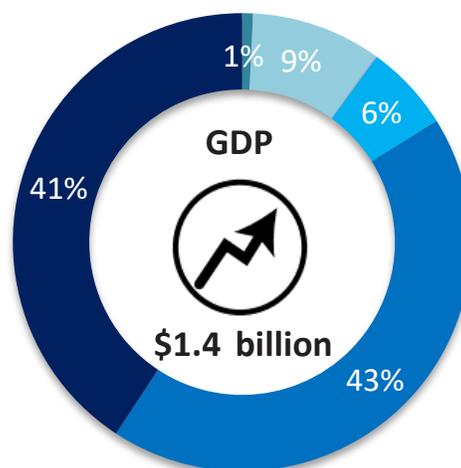
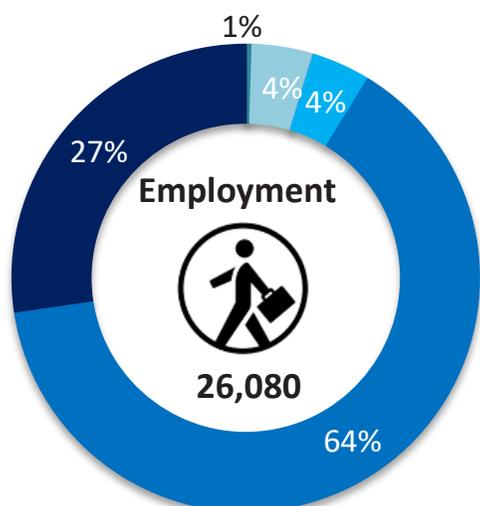
**About this Information:** *The statistics for Florida reflect both the ocean economy of counties facing the Atlantic Ocean and the ocean economy of counties facing the Gulf Coast. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean and Great Lakes Economy

## Georgia

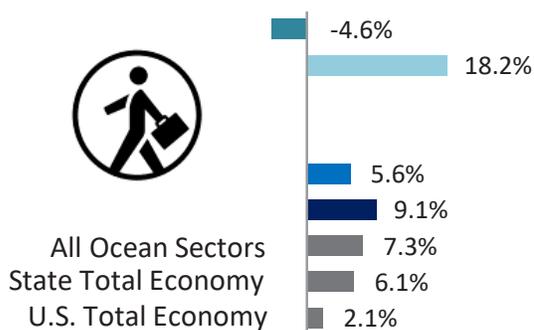
### Annual Totals

The ocean economy accounted for 0.6% of total employment and 0.3% of total GDP in the state

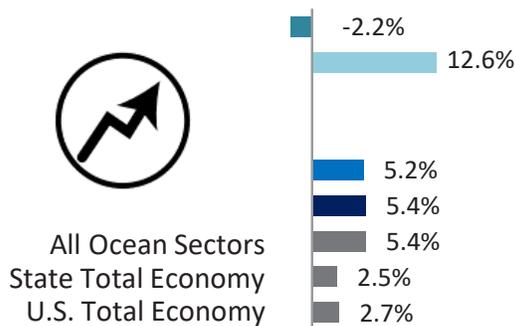


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

### Annual Changes in Employment



### Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Georgia Ocean Economy

**Total economy.** Georgia employed 4.2 million people and generated \$206 billion in wages and \$502 billion in gross domestic product. This translates to 3.0 percent of U.S. employment 2.8 percent of U.S. wages, and 2.8 percent of the nation's gross domestic product.

**Ocean economy.** Georgia's ocean economy employed 26,080 people and generated \$710 million in wages and \$1.4 billion in gross domestic product. The ocean economy accounted for 0.6 percent of Georgia's employment, 0.3 percent of its wages, and 0.3 percent of its gross domestic product.

**Employment.** Employment across Georgia's ocean economy grew by 7.3 percent, in contrast to the state's employment growth of 6.1 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 63.9 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$27,210 for Georgia, below the overall average for the state of \$52,596. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy

**Gross domestic product.** Gross domestic product for Georgia's ocean economy grew by 5.4 percent, compared to overall growth rates of 2.5 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 43.1 percent, while the marine transportation sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Chatham County was the largest contributor to the state's ocean economy, since the marine transportation and tourism and recreation sectors were concentrated in this area. Overall, Georgia's ocean economy ranked 26th in employment and 27th in gross domestic product among all coastal states.

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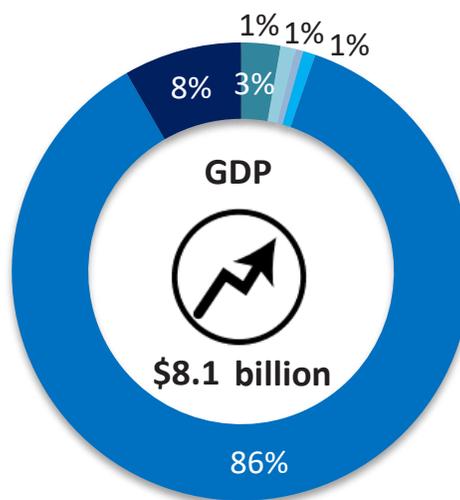
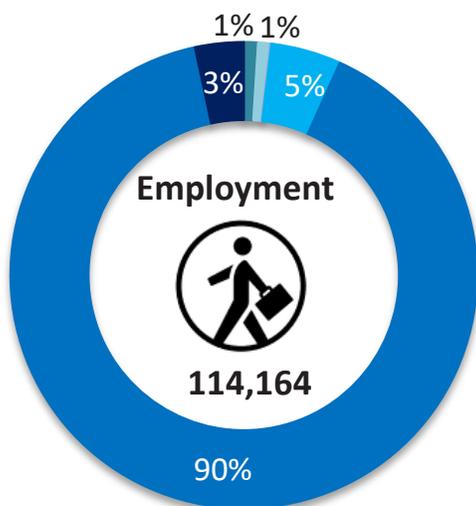
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# 2015 U.S. Ocean and Great Lakes Economy

## Hawaii

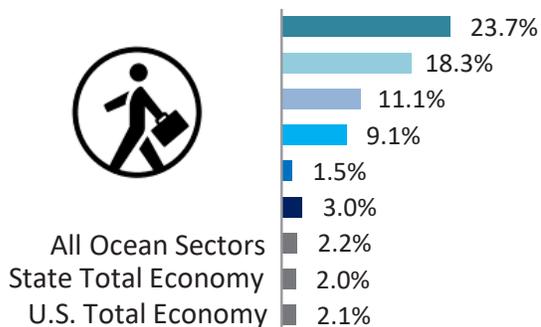
### Annual Totals

The ocean economy accounted for 17.9% of total employment and 10.0% of total GDP in the state

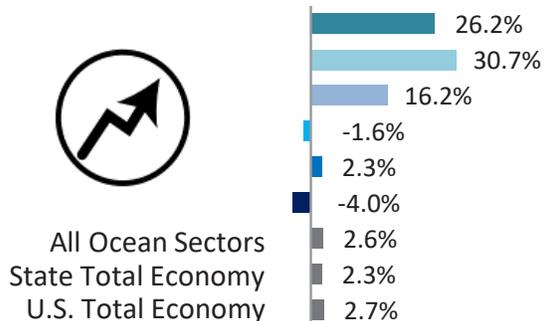


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

### Annual Changes in Employment



### Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Hawaii Ocean Economy

**Total economy.** Hawaii employed 637,855 people and generated \$29.9 billion in wages and \$80.6 billion in gross domestic product. This translates to 0.5 percent of U.S. employment, 0.4 percent of U.S. wages, and 0.4 percent of the nation's gross domestic product.

**Ocean economy.** Hawaii's ocean economy employed 114,164 people and generated \$4.2 billion in wages and \$8.1 billion in gross domestic product. The ocean economy accounted for 17.9 percent of Hawaii's employment, 13.9 percent of its wages, and 10.0 percent of its gross domestic product.

**Employment.** Employment across Hawaii's ocean economy grew by 2.2 percent, similar to the state's employment growth of 2.0 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 89.9 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$36,531 for Hawaii, below the overall average for the state of \$47,860. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Hawaii's ocean economy grew by 2.6 percent, similar to overall growth rates of 2.3 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 86.4, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Hawaii's economy depends on ocean-related employment more than any other region (17.9 percent). The state experienced a rapid expansion in the marine construction sector in 2015, growing outstandingly by 23.7 percent in employment and 26.2 percent in gross domestic product. Honolulu County was the largest contributor to Hawaii's ocean economy, accounting for 46.2 percent of the state's ocean economy employment and 35.0 percent of its gross domestic product. Overall, Hawaii's ocean economy ranked 8th in employment and 10th in gross domestic product among all coastal states.

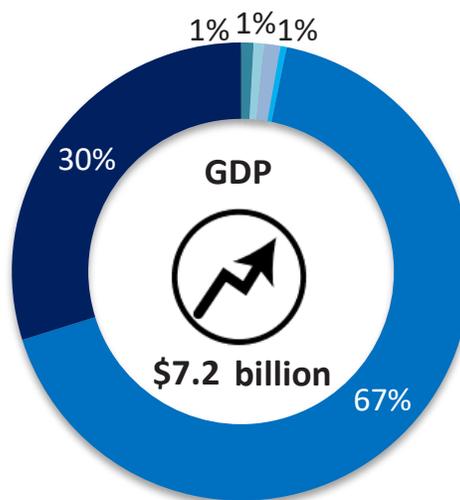
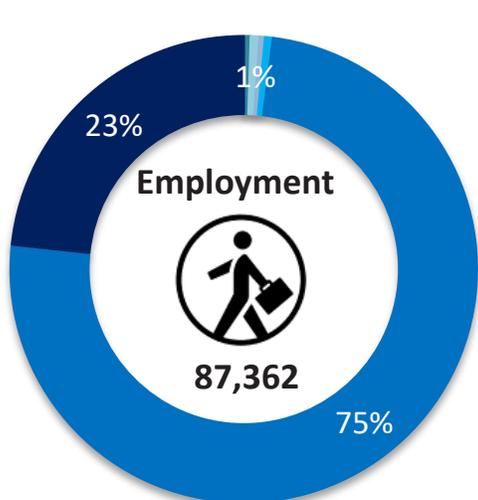
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# 2015 U.S. Ocean and Great Lakes Economy Illinois

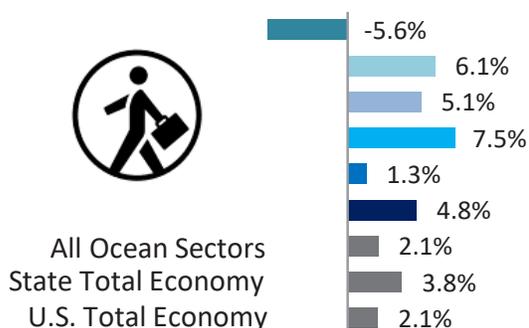
## Annual Totals

The ocean economy accounted for 1.5% of total employment and 0.9% of total GDP in the state



- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Illinois Maritime Economy

**Total economy.** Illinois employed 5.8 million people and generated \$327 billion in wages and \$772 billion in gross domestic product. This translates to 4.2 percent of U.S. employment, 4.4 percent of U.S. wages, and 4.3 percent of the nation's gross domestic product.

**Maritime economy.** Illinois's maritime economy employed 87,362 people and generated \$3.2 billion in wages and \$7.2 billion in gross domestic product. The maritime economy accounted for 1.5 percent of Illinois' employment, 1.0 percent of its wages, and 0.9 percent of its gross domestic product.

**Employment.** Employment across Illinois' maritime economy grew by 2.1 percent, compared to the state's employment growth of 3.8 percent and 2.1 percent nationally. Within the state's maritime economy, the tourism and recreation sector was the largest employer with 74.7 percent. The marine transportation sector experienced the highest absolute gains in employment.

**Wages.** Maritime economy annual wages averaged \$36,498 for Illinois, below the overall average for the state of \$58,103. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the maritime economy. However, two of the six maritime sectors (marine construction and offshore mineral extraction) had wages above the state average.

**Gross domestic product.** Gross domestic product for Illinois' maritime economy grew by 2.7 percent, compared to overall growth rates of 1.0 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's maritime economy at 67.0 percent, and also experienced the highest absolute gains in gross domestic product.

**Superlatives.** Cook County was the largest contributor to the state's maritime economy, accounting for more than four-fifths of the state's maritime economy employment and gross domestic product. Overall, Illinois' maritime economy ranked 12th in employment and 12th in gross domestic product among all coastal states.

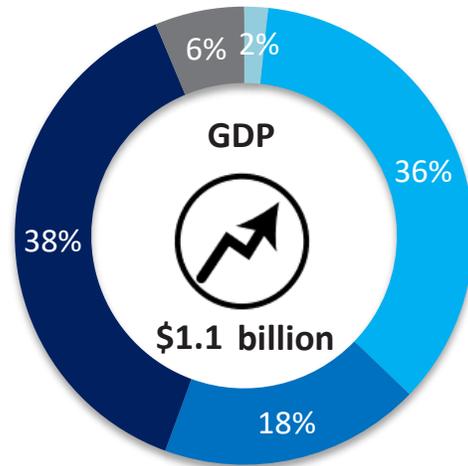
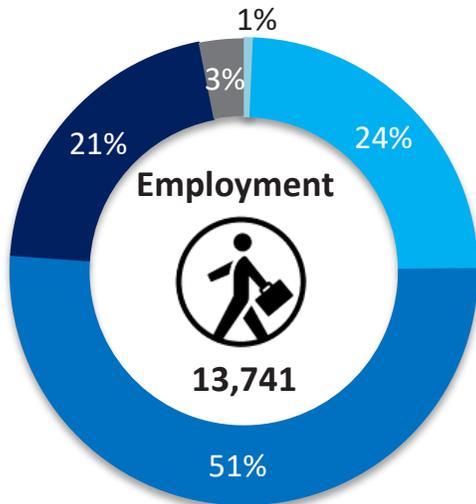
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# 2015 U.S. Ocean and Great Lakes Economy Indiana

## Annual Totals

The ocean economy accounted for 0.5% of total employment and 0.3% of total GDP in the state

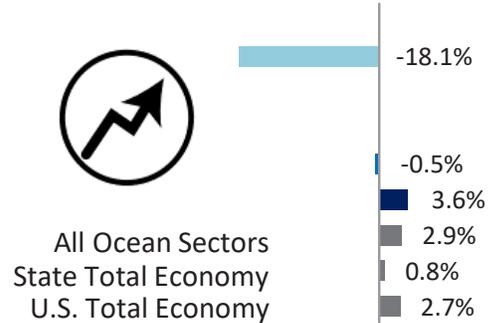


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Indiana Maritime Economy

**Total economy.** Indiana employed 2.9 million people and generated \$129 billion in wages and \$333 billion in gross domestic product. This translates to 2.1 percent of U.S. employment, 1.7 percent of U.S. wages, and 1.9 percent of the nation's gross domestic product.

**Ocean economy.** Indiana's ocean economy employed 13,741 people and generated \$476 million in wages and \$1.1 billion in gross domestic product. The ocean economy accounted for 0.5 percent of Indiana's employment, 0.4 percent of its wages, and 0.3 percent of its gross domestic product.

**Employment.** Employment across Indiana's ocean economy fell by 0.9 percent, in contrast to the state's employment growth of 4.0 percent and 2.1 percent rates nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 51.3 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$34,638 for Indiana, below the overall average for the state of \$45,671. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, two of the six ocean sectors (ship and boat building and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Indiana's ocean economy grew by 2.9 percent, compared to a growth rate of 0.8 percent for the state and overall growth 2.7 percent nationally. The marine transportation sector accounted for the largest percentage of the state's ocean economy at 38.1 percent and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Overall, Indiana's ocean economy ranked 29th in employment and 30th in gross domestic product among all coastal states.

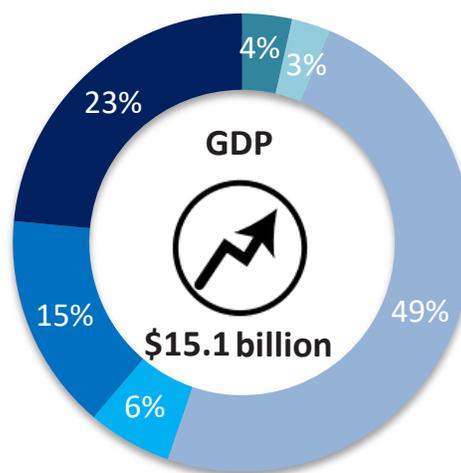
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# 2015 U.S. Ocean and Great Lakes Economy Louisiana

## Annual Totals

The ocean economy accounted for 5.8 % of total employment and 6.3 % of total GDP in the state

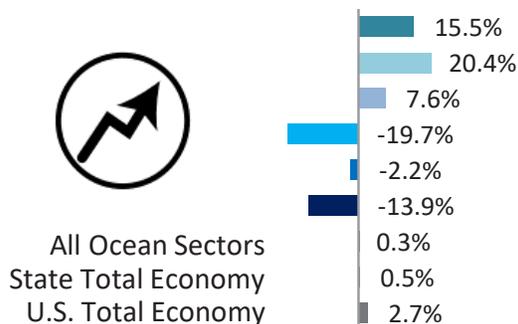


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Louisiana Ocean Economy

**Total economy.** Louisiana employed 1.9 million people and generated \$88.7 billion in wages and \$238 billion in gross domestic product. This translates to 1.4 percent of U.S. employment, 1.2 percent of U.S. wages, and 1.3 percent of the nation's gross domestic product.

**Ocean economy.** Louisiana's ocean economy employed 112,297 people and generated \$6.1 billion in wages and \$15.1 billion in gross domestic product. The ocean economy accounted for 5.8 percent of Louisiana's employment, 6.9 percent of its wages, and 6.3 percent of its gross domestic product.

**Employment.** Employment across Louisiana's ocean economy fell by 3.2 percent, in contrast to the state's employment growth of 1.4 percent and 2.1 percent growth nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 44.9 percent. The marine construction sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$54,688 for Louisiana, above the overall average for the state of \$46,561. This was largely due to the high average wage per employee in the offshore mineral extraction sector. Three other ocean sectors (marine construction, ship and boat building, and marine transportation) also had wages above the state average.

**Gross domestic product.** Gross domestic product for Louisiana's ocean economy grew by 0.3 percent, similar to a growth rate of 0.5 percent for the state, and compared to 2.7 percent nationally. The offshore mineral extraction sector accounted for the largest percentage of the state's ocean economy at 49.0 percent, and also experienced the highest absolute gains in gross domestic product.

**Superlatives.** Louisiana was the third largest contributor to the nation's offshore mineral extraction sector. This sector accounted for one-fifth of the employment and half of the gross domestic product in the state's ocean economy. Orleans Parish was the largest contributor to the state's ocean economy, accounting for about one-fourth of the state's ocean economy employment and gross domestic product. Overall, Louisiana's ocean economy ranked 9th in employment and 5th in gross domestic product among all coastal states.

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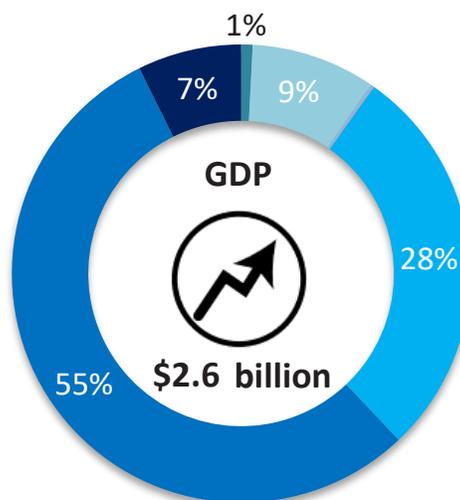
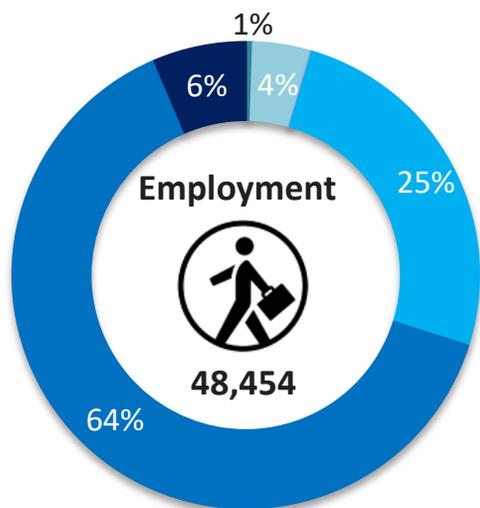
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# 2015 U.S. Ocean and Great Lakes Economy

## Maine

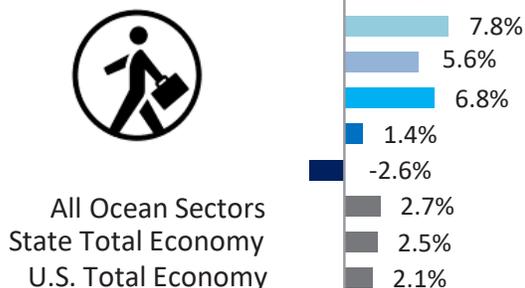
### Annual Totals

The ocean economy accounted for 8.1 % of total employment and 4.5 % of total GDP in the state

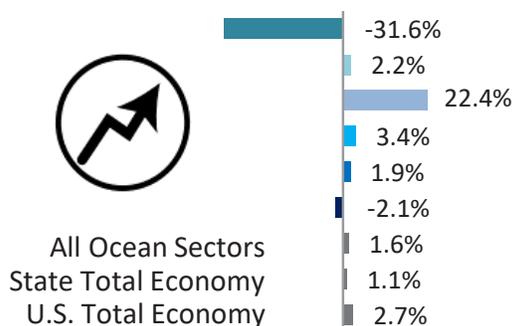


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

### Annual Changes in Employment



### Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Maine Ocean Economy

**Total economy.** Maine employed 595,889 people and generated \$24.9 billion in wages and \$57.3 billion in gross domestic product. This translates to 0.4 percent of U.S. employment, 0.3 percent of U.S. wages, and 0.3 percent of the nation's gross domestic product.

**Ocean economy.** Maine's ocean economy employed 48,454 people and generated \$1.7 billion in wages and \$2.6 billion in gross domestic product. The ocean economy accounted for 8.1 percent of Maine's employment, 7.0 percent of its wages, and 4.5 percent of its gross domestic product.

**Employment.** Employment across Maine's ocean economy grew by 2.7 percent, similar to the state's employment growth of 2.5 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 63.7 percent. The ship and boat building sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$35,762 for Maine, below the overall average for the state of \$42,823. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, three of the six ocean sectors (marine construction, offshore mineral extraction, and ship and boat building) had wages above the state average.

**Gross domestic product.** Gross domestic product for Maine's ocean economy grew by 1.6 percent, compared to overall growth rates of 1.1 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 54.7 percent, and also experienced the highest absolute gains in gross domestic product.

**Superlatives.** Cumberland County was the largest employer and producer in the state's ocean economy. York County also played an important role, with a significant amount of ship and boat building taking place in the area. York County, in fact, ranked as the fourth largest contributor in the nation's ship and boat building sector among all the coastal counties. Overall, Maine's ocean economy ranked 19th in employment and 19th in gross domestic product among all coastal states.

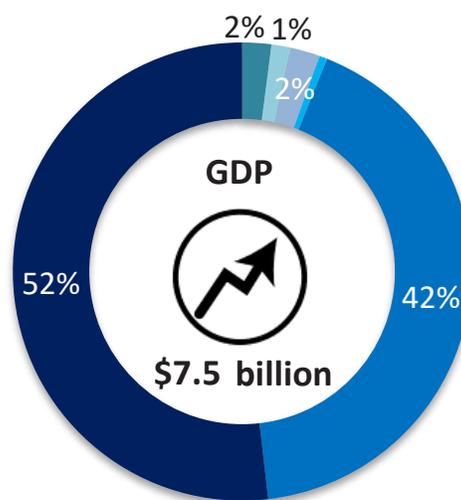
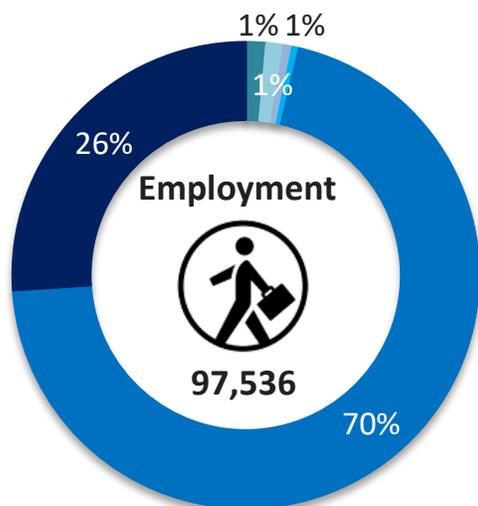
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# 2015 U.S. Ocean and Great Lakes Economy Maryland

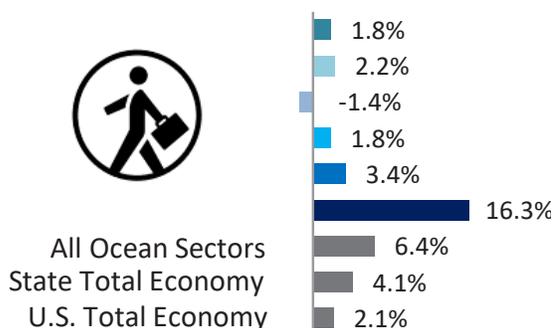
## Annual Totals

The ocean economy accounted for 3.8% of total employment and 2.0% of total GDP in the state

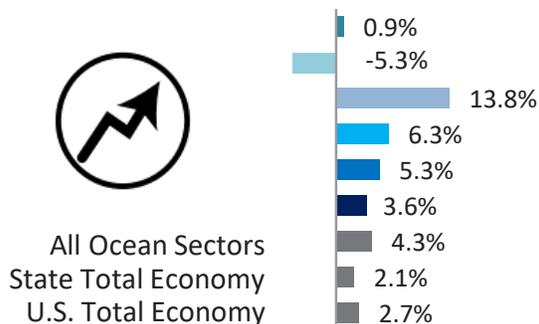


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Maryland Ocean Economy

**Total economy.** Maryland employed 2.6 million people and generated \$148 billion in wages and \$366 billion in gross domestic product. This translates to 1.9 percent of U.S. employment, 2.0 percent of U.S. wages, and 2.0 percent of the nation's gross domestic product.

**Ocean economy.** Maryland's ocean economy employed 97,536 people and generated \$3.7 billion in wages and \$7.5 billion in gross domestic product. The ocean economy accounted for 3.8 percent of Maryland's employment, 2.5 percent of its wages, and 2.0 percent of its gross domestic product.

**Employment.** Employment across Maryland's ocean economy grew by 6.4 percent, compared to the state's employment growth of 4.1 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 70.3 percent. The marine transportation sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$38,196 for Maryland, below the overall average for the state of \$59,517. This was largely due to the relatively low average wages in tourism and recreation and this sector's prominence in the ocean economy. However, two of the six ocean sectors (marine construction and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Maryland's ocean economy grew by 4.3 percent, compared to a growth rate of 2.1 percent for the state and overall growth rate of 2.7 percent nationally. The marine transportation sector accounted for the largest percentage of the state's ocean economy at 51.8 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Anne Arundel County was the largest contributor to the state's ocean economy, accounting for 29.3 percent of the employment and 40.6 percent of the gross domestic product. Overall, Maryland's ocean economy ranked 10th in employment and 11th in gross domestic product among all coastal states.

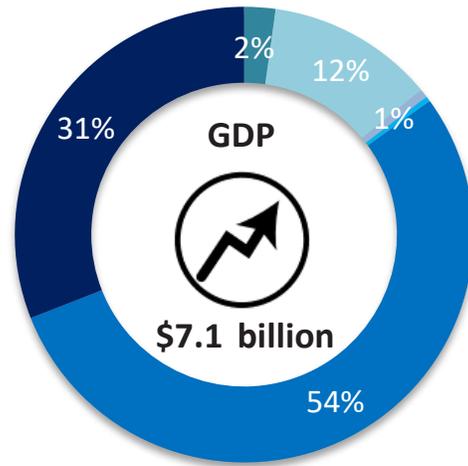
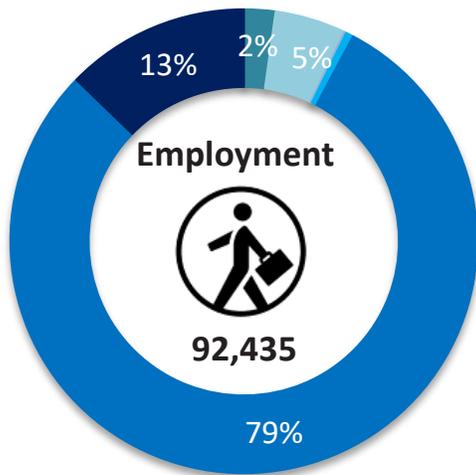
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# 2015 U.S. Ocean and Great Lakes Economy Massachusetts

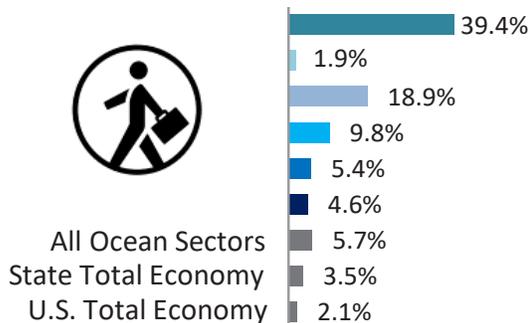
## Annual Totals

The ocean economy accounted for 2.7% of total employment and 1.5% of total GDP in the state

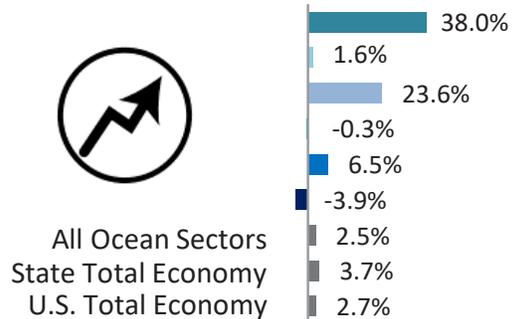


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Massachusetts Ocean Economy

**Total economy.** Massachusetts employed 3.4 million people and generated \$229 billion in wages and \$488 billion in gross domestic product. This translates to 2.5 percent of U.S. employment, 3.1 percent of U.S. wages, and 2.7 percent of the nation's gross domestic product.

**Ocean economy.** Massachusetts' ocean economy employed 92,435 people and generated \$3.4 billion in wages and \$7.1 billion in gross domestic product. The ocean economy accounted for 2.7 percent of Massachusetts' employment, 1.5 percent of its wages, and 1.5 percent of its gross domestic product.

**Employment.** Employment across Massachusetts' ocean economy grew by 5.7 percent, compared to the state's employment growth of 3.5 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 79.5 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$36,586 for Massachusetts, below the overall average for the state of \$69,009. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, the marine transportation sector had wages much higher than the state average (\$96,362).

**Gross domestic product.** Gross domestic product for Massachusetts' ocean economy grew by 2.5 percent, compared to overall growth rates of 3.7 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 54.0 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Massachusetts experienced a rapid expansion in the marine construction sector in 2015, growing outstandingly by 39.4 percent in employment and 38.0 percent in gross domestic product. Suffolk County was the largest employer and producer of the state's ocean economy. Middlesex County also played an important role because of the significant amount of marine transportation activities taking place in this area. Overall, Massachusetts' ocean economy ranked 11th in employment and 13th in gross domestic product among all coastal states.

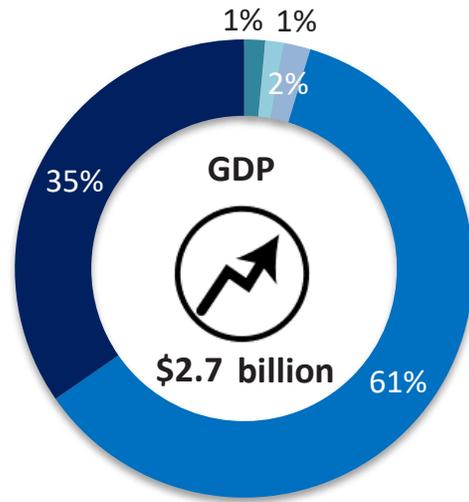
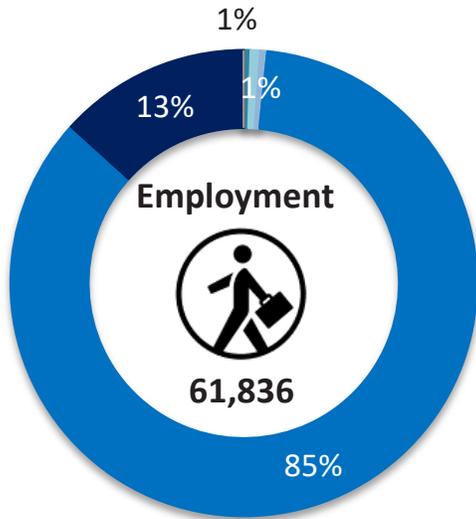
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# 2015 U.S. Ocean and Great Lakes Economy Michigan

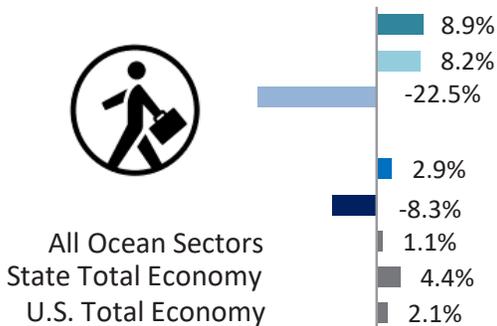
## Annual Totals

The ocean economy accounted for 1.5 % of total employment and 0.6 % of total GDP in the state

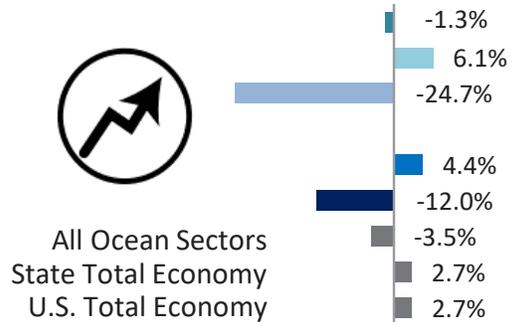


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Michigan Maritime Economy

**Total economy.** Michigan employed 4.2 million persons and generated \$208 billion in wages and \$471 billion in gross domestic product. This translates to 3.0 percent of the employment, 2.8 percent of U.S. wages, and 2.6 percent of the nation's gross domestic product.

**Ocean economy.** Michigan's maritime economy employed 61,836 persons and generated \$1.5 billion in wages and \$2.7 billion in gross domestic product. The maritime economy accounted for 1.5 percent of Michigan's employment, 0.7 percent of its wages, and 0.6 percent of the gross domestic product.

**Employment.** Employment in Michigan's maritime economy grew by 1.1 percent, in contrast to the state's employment growth of 4.4 percent and 2.1 percent nationally. Within the maritime economy, the tourism and recreation sector was the largest employer with 85.1 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Maritime economy annual wages averaged \$23,899 for Michigan, below the state average of \$52,279. This was largely due to the relatively low average wage per employee in the tourism and recreation sector. However, three of the six sectors (marine construction, offshore mineral extraction, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Michigan's maritime economy fell by 3.5 percent, compared to overall growth rates of 2.7 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's maritime economy at 60.7 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Wayne County was the largest contributor to the state's maritime economy, accounting for 20.9 percent of the employment and 21.8 percent of the gross domestic product. Overall, Michigan's maritime economy ranked 14th in employment and 17th in gross domestic product among all coastal states.

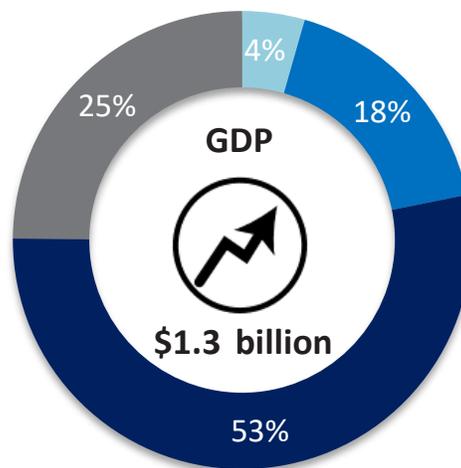
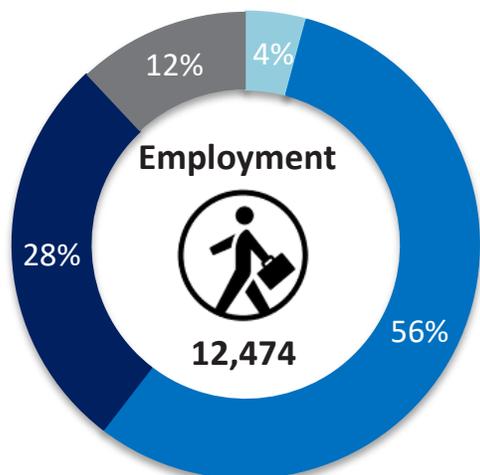
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# 2015 U.S. Ocean and Great Lakes Economy Minnesota

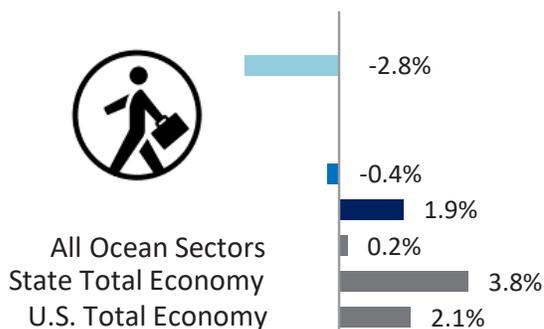
## Annual Totals

The ocean economy accounted for 0.4 % of total employment and 0.4 % of total GDP in the state

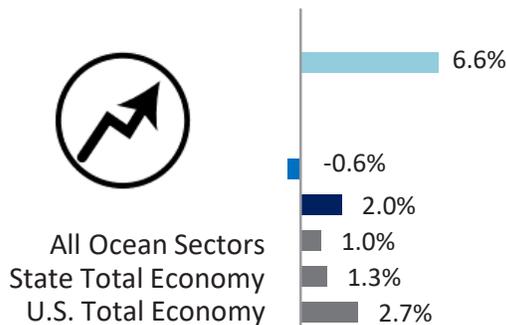


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Minnesota Maritime Economy

**Total economy.** Minnesota employed 2.8 million people and generated \$149 billion in wages and \$327 billion in gross domestic product. This translates to 2.0 percent of U.S. employment, 2.0 percent of U.S. wages, and 1.8 percent of the nation's gross domestic product.

**Maritime economy.** Minnesota's maritime economy employed 12,474 people and generated \$486 million in wages and \$1.3 billion in gross domestic product. The maritime economy accounted for 0.4 percent of Minnesota's employment, 0.3 percent of its wages, and 0.4 percent of its gross domestic product.

**Employment.** Employment across Minnesota's maritime economy grew by 0.2 percent, in contrast to the state's employment growth of 3.8 percent and 2.1 percent nationally. Within the state's maritime economy, the tourism and recreation sector was the largest employer with 56.2 percent. The marine transportation sector experienced the highest absolute gains in employment.

**Wages.** Maritime economy annual wages averaged \$38,957 for Minnesota, below the overall average for the state of \$55,566. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the maritime economy. However, marine transportation had wages of \$81,667, well above the state average.

**Gross domestic product.** Gross domestic product for Minnesota's maritime economy grew by 1.0 percent, compared to overall growth rates of 1.3 percent for the state and 2.7 percent nationally. The marine transportation sector accounted for the largest percentage of the state's maritime economy at 53.3 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** St. Louis County was the largest employer in the state's maritime economy, accounting for 48.5 percent of the employment and 25.7 percent of the gross domestic products. Overall, Minnesota's maritime economy ranked 30th in employment and 28th in gross domestic product among all coastal states.

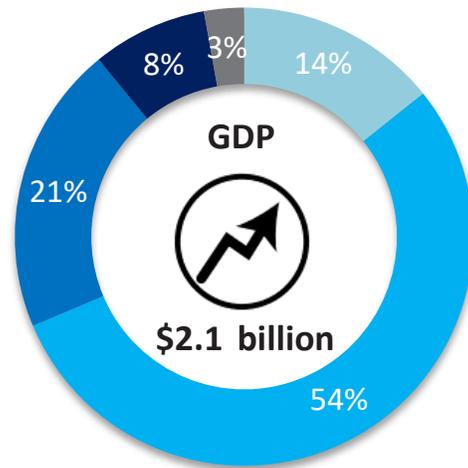
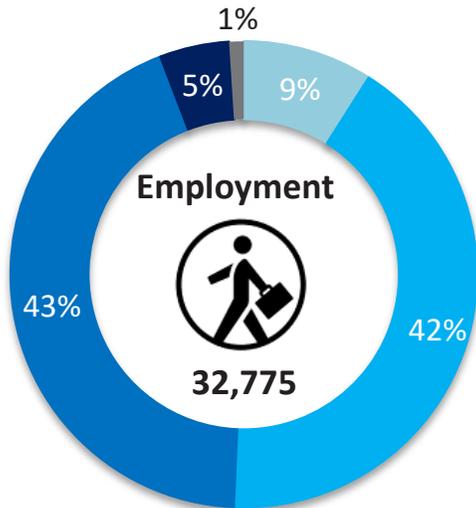
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# 2015 U.S. Ocean and Great Lakes Economy Mississippi

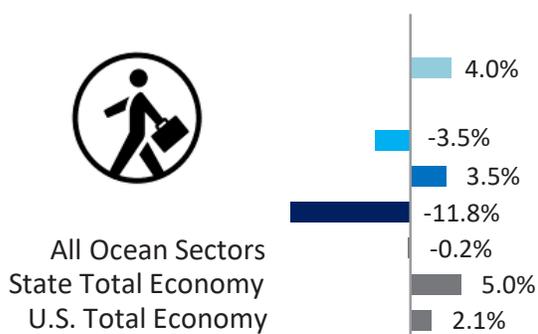
## Annual Totals

The ocean economy accounted for 2.9% of total employment and 2.0% of total GDP in the state

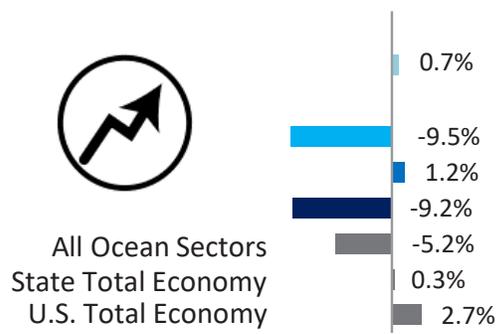


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

**Note:** Some data are suppressed to maintain the confidentiality of individual businesses. The share of the suppressed data is represented in gray in the circle charts. The unknown trends of the suppressed data are represented as blank in the bar charts.

## Mississippi Ocean Economy

**Total economy.** Mississippi employed 1.1 million people and generated \$41.9 billion in wages and \$106 billion in gross domestic product. This translates to 0.8 percent of U.S. employment, 0.6 percent of U.S. wages, and 0.6 percent of the nation's gross domestic product.

**Maritime economy.** Mississippi's ocean economy employed 32,775 people and generated \$1.2 billion in wages and \$2.1 billion in gross domestic product. The ocean economy accounted for 2.9 percent of Mississippi's employment, 3.0 percent of its wages, and 2.0 percent of its gross domestic product.

**Employment.** Employment across Mississippi's ocean economy fell by 0.2 percent, in contrast to the state's employment growth of 5.0 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 43.5 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$38,056 for Mississippi, close to the overall average for the state of \$39,532. This was largely due to the low average wage per employee in the tourism and recreation sector. Two of the six ocean sectors (ship and boat building and marine transportation) had wages above the state average.

**Gross domestic product.** Mississippi's ocean economy fell by 5.2 percent, compared to an overall growth rate of 0.3 percent for the state and a growth rate of 2.7 percent nationally. This was largely impacted by a decline in the ship and boat building sector. The ship and boat building sector accounted for the largest percentage of the state's ocean economy at 54.4 percent. Since 2005, this sector has experienced large swings in the level of activity.

**Superlatives.** St. Louis County was the largest employer in the state's ocean economy, accounting for 49.8 percent of the employment and 56.8 percent of the gross domestic product. Overall, Mississippi's ocean economy ranked 24th in employment and 24th in gross domestic product among all coastal states.

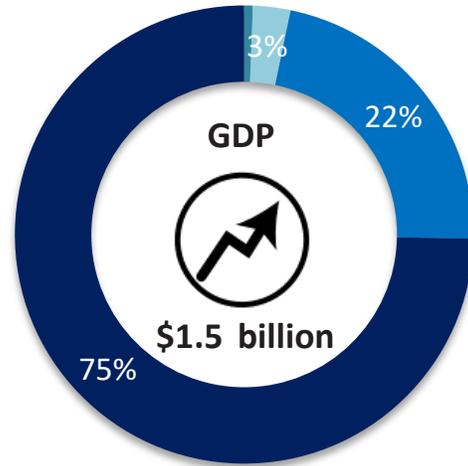
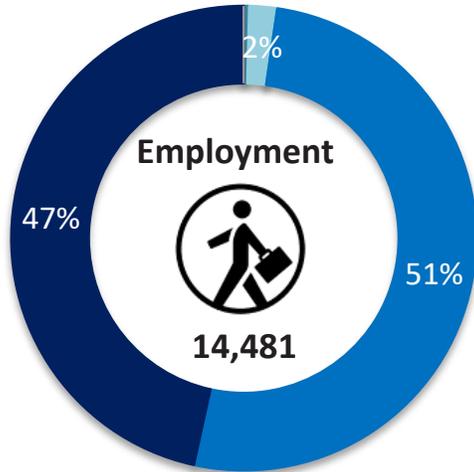
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# 2015 U.S. Ocean and Great Lakes Economy New Hampshire

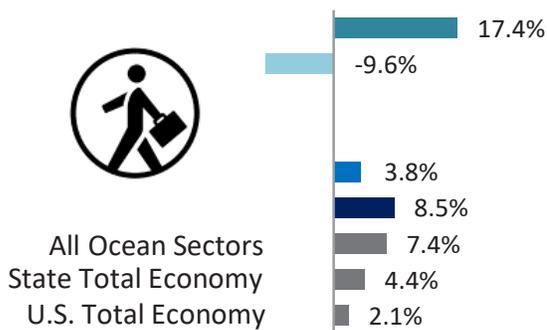
## Annual Totals

The ocean economy accounted for 2.3 % of total employment and 2.0 % of total GDP in the state

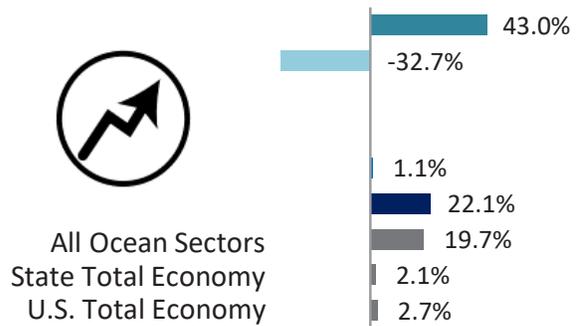


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

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## New Hampshire Ocean Economy

**Total economy.** New Hampshire employed 636,806 people and generated \$33.5 billion in wages and \$74.3 billion in gross domestic product. This translates to 0.5 percent of U.S. employment, 0.5 percent of U.S. wages, and 0.4 percent of the nation's gross domestic product.

**Ocean economy.** New Hampshire's ocean economy employed 14,481 people and generated \$840 million in wages and \$1.5 billion in gross domestic product. The ocean economy accounted for 2.3 percent of New Hampshire's employment, 2.5 percent of its wages, and 2.0 percent of its gross domestic product.

**Employment.** Employment across New Hampshire's ocean economy grew by 7.4 percent, in contrast to the state's employment growth of 4.4 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 51.1 percent. The marine transportation sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$58,030 for New Hampshire, above the overall average for the state of \$54,842. This was largely due to the high average wage per employee in the marine transportation sector. The marine construction sector also had wages above the state average (\$97,241).

**Gross domestic product.** Gross domestic product for New Hampshire's ocean economy grew by 19.7 percent, compared to overall growth rates of 2.1 percent for the state and 2.7 percent nationally. The marine transportation sector accounted for the largest percentage of the state's ocean economy at 74.7 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Employment and gross domestic product in the state's ocean economy were concentrated in Rockingham County. New Hampshire experienced a rapid expansion in the marine construction sector in 2015, growing outstandingly by 17.4 percent in employment and 43.0 percent in gross domestic product. Overall, New Hampshire's ocean economy ranked 28th in employment and 26th in gross domestic product among all coastal states.

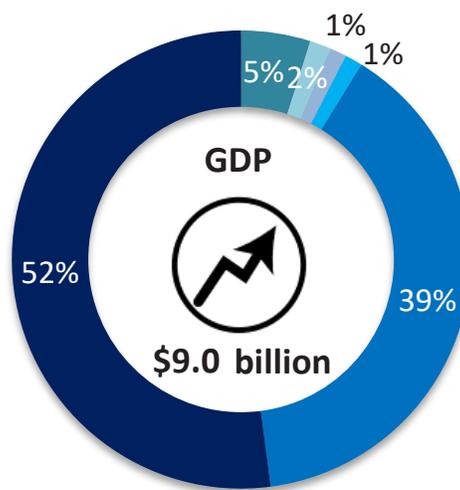
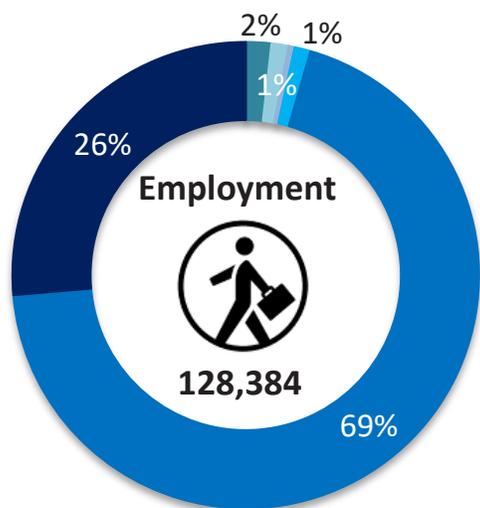
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# 2015 U.S. Ocean and Great Lakes Economy New Jersey

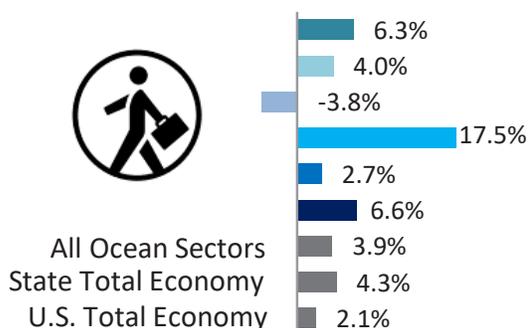
## Annual Totals

The ocean economy accounted for 3.3% of total employment and 1.6% of total GDP in the state

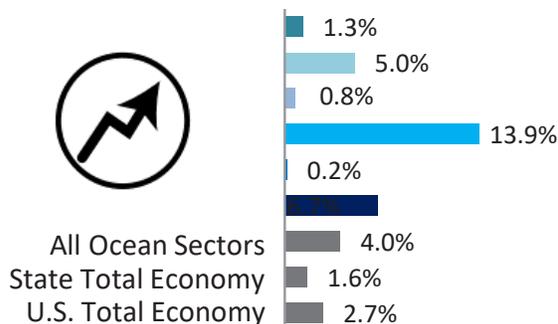


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## New Jersey Ocean Economy

**Total economy.** New Jersey employed 3.9 million people and generated \$243 billion in wages and \$564 billion in gross domestic product. This translates to 2.8 percent of U.S. employment, 3.3 percent of U.S. wages, and 3.1 percent of the nation's gross domestic product.

**Ocean economy.** New Jersey's ocean economy employed 128,384 people and generated \$4.8 billion in wages and \$9.0 billion in gross domestic product. The ocean economy accounted for 3.3 percent of New Jersey's employment, 2.0 percent of its wages, and 1.6 percent of its gross domestic product.

**Employment.** Employment across New Jersey's ocean economy grew by 3.9 percent, similar to the state's employment growth of 4.3 percent, and compared to 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 69.1 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$37,238 for New Jersey, below the overall average for the state of \$65,069. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, three of the six ocean sectors (marine construction, offshore mineral extraction, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for New Jersey's ocean economy grew by 4.0 percent, compared to a growth rate of 1.6 percent for the state and overall growth rate of 2.7 percent nationally. The marine transportation sector accounted for the largest percentage of the state's ocean economy at 52.1 percent and experienced the highest absolute gains in gross domestic product.

**Superlatives.** New Jersey experienced a rapid expansion in the ship and boat building sector in 2015, growing by 17.5 percent in employment and 13.9 percent in gross domestic product. Hudson County was the largest employer and producer of the state's ocean economy. Overall, New Jersey's ocean economy ranked 6th in employment and 8th in gross domestic product among all coastal states.

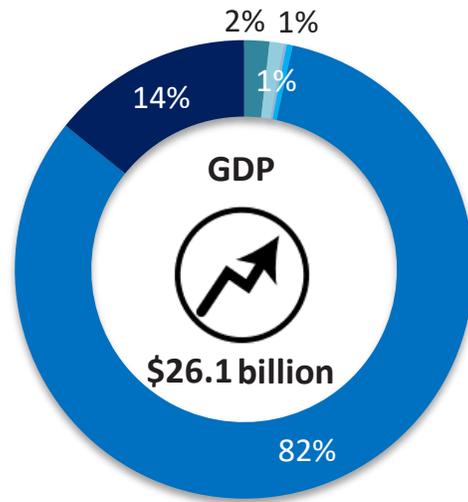
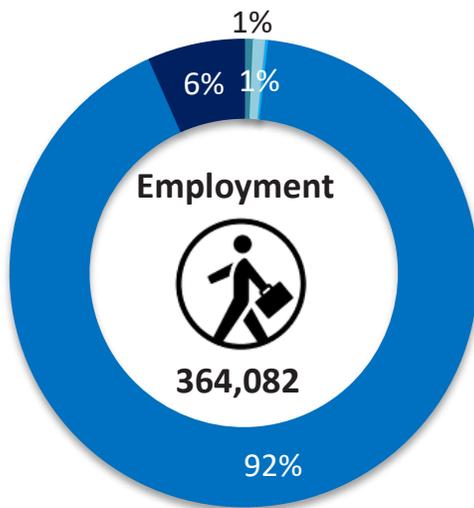
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# 2015 U.S. Ocean and Great Lakes Economy New York

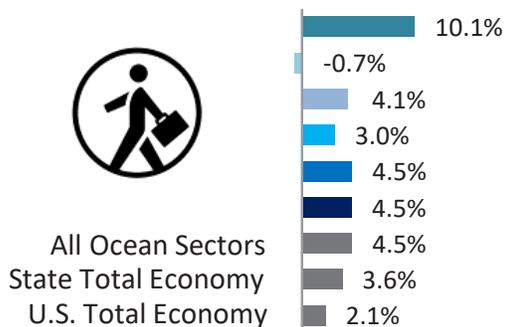
## Annual Totals

The ocean economy accounted for 4.0 % of total employment and 1.8 % of total GDP in the state

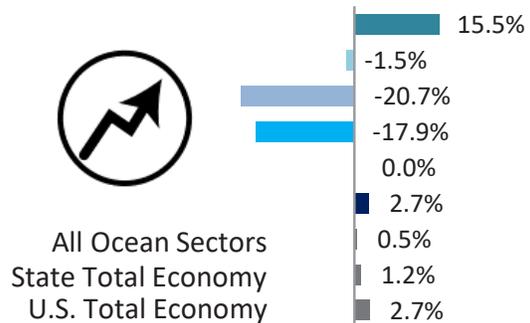


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## New York Ocean Economy

**Total economy.** New York employed 9.0 million people and generated \$609 billion in wages and \$1.4 trillion in gross domestic product. This translates to 6.5 percent of U.S. employment, 8.2 percent of U.S. wages, and 8.0 percent of the nation's gross domestic product.

**Ocean economy.** New York's ocean economy employed 364,082 people and generated \$12.7 billion in wages and \$26.1 billion in gross domestic product. The ocean economy accounted for 4.0 percent of New York's employment, 2.1 percent of its wages, and 1.8 percent of its gross domestic product.

**Employment.** Employment across New York's ocean economy grew by 4.5 percent, compared to the state's employment growth of 3.6 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 91.7 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$34,819 for New York, below the overall average for the state of \$69,956. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for New York's ocean economy grew by 0.5 percent, compared to overall growth rates of 1.2 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 82.4 percent, while the marine transportation sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** New York County was the largest contributor to the state's ocean economy, accounting for 57.5 percent of the employment and 64.1 percent of the gross domestic product. Overall, New York's ocean economy ranked 3rd in employment and 4th in gross domestic product among all coastal states.

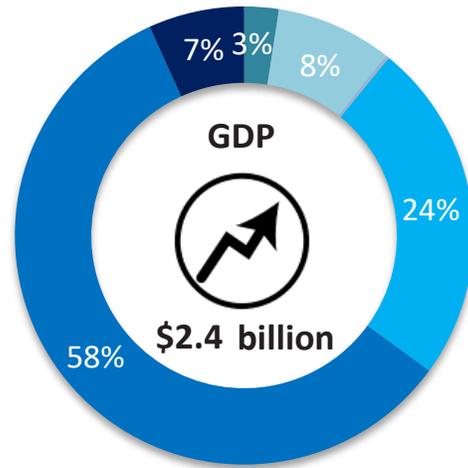
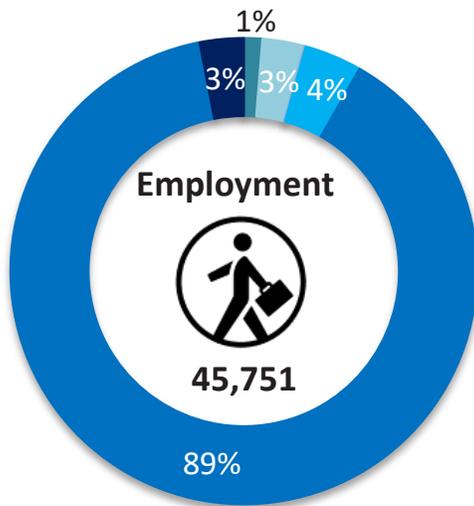
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**About this Information:** *The statistics for New York reflect both the ocean economy of counties facing the Atlantic Ocean and the maritime economy of counties facing the Great Lakes. This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean and Great Lakes Economy North Carolina

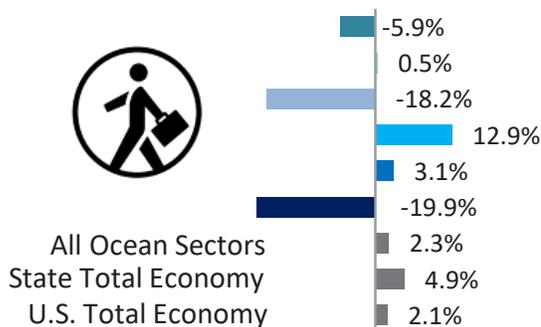
## Annual Totals

The ocean economy accounted for 1.1% of total employment and 0.5% of total GDP in the state

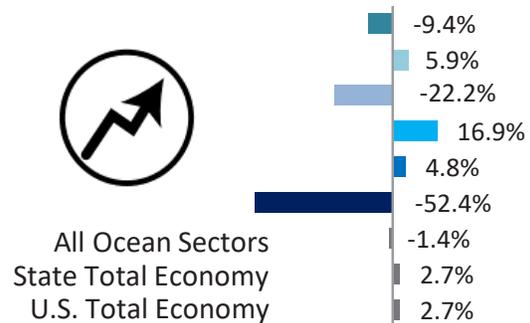


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## North Carolina Ocean Economy

**Total economy.** North Carolina employed 4.2 million people and generated \$194 billion in wages and \$500 billion in gross domestic product. This translates to 3.0 percent of U.S. employment, 2.6 percent of U.S. wages, and 2.8 percent of the nation's gross domestic product.

**Ocean economy.** North Carolina's ocean economy employed 45,751 people and generated \$865 million in wages and \$2.4 billion in gross domestic product. The ocean economy accounted for 1.1 percent of North Carolina's employment, 0.4 percent of its wages, and 0.5 percent of its gross domestic product.

**Employment.** Employment across North Carolina's ocean economy grew by 2.3 percent, in contrast to the state's employment growth of 4.9 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 88.7 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$18,908 for North Carolina, below the overall average for the state of \$48,809. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, the marine transportation sector had wages above the state average (\$50,754).

**Gross domestic product.** Gross domestic product for North Carolina's ocean economy fell by 1.4 percent, compared to overall growth rates of 2.7 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 58.2 percent, while the ship and boat building sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** In 2015, North Carolina experienced a dramatic decline in the marine transportation sector, falling by 19.9 percent in employment and 52.4 percent in gross domestic product. New Hanover County was the largest contributor to the state's ocean economy, accounting for 28.2 percent of the employment and 19.7 percent of the gross domestic product. Overall, North Carolina's ocean economy ranked 20th in employment and 22nd in gross domestic product among all coastal states.

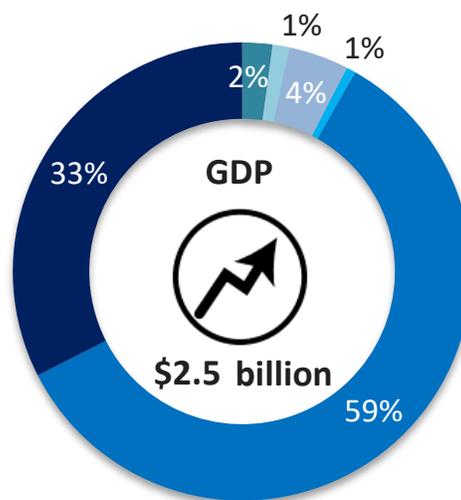
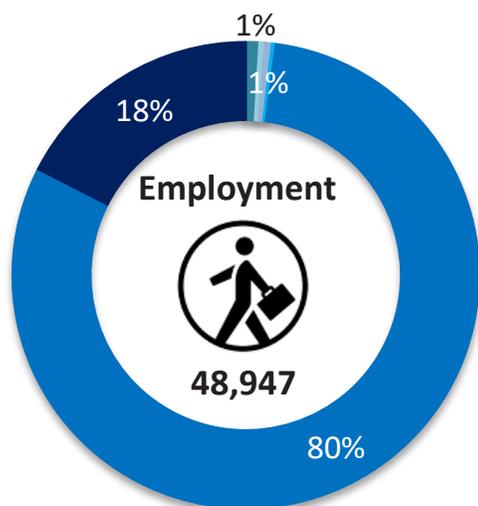
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# 2015 U.S. Ocean and Great Lakes Economy Ohio

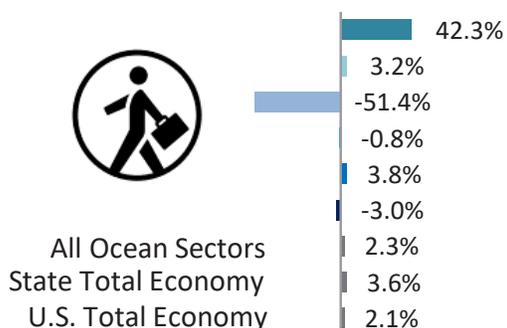
## Annual Totals

The ocean economy accounted for 0.9 % of total employment and 0.4 % of total GDP in the state

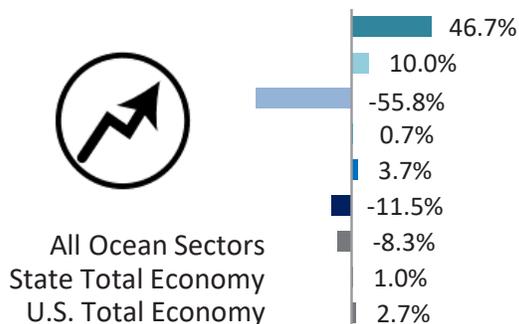


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Ohio Maritime Economy

**Total economy.** Ohio employed 5.3 million people and generated \$248 billion in wages and \$607 billion in gross domestic product. This translates to 3.8 percent of U.S. employment, 3.4 percent of U.S. wages, and 3.4 percent of the nation's gross domestic product.

**Ocean economy.** Ohio's maritime economy employed 48,947 people and generated \$1.2 billion in wages and \$2.5 billion in gross domestic product. The maritime economy accounted for 0.9 percent of Ohio's employment, 0.5 percent of its wages, and 0.4 percent of its gross domestic product.

**Employment.** Employment across Ohio's maritime economy grew by 2.3 percent, compared to the state's employment growth of 3.6 percent and 2.1 percent nationally. Within the state's maritime economy, the tourism and recreation sector was the largest employer with 80.5 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Maritime economy annual wages averaged \$24,169 for Ohio, below the overall average for the state of \$48,826. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the maritime economy. However, three of the six maritime sectors (marine construction, offshore mineral extraction, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Ohio's maritime economy fell by 8.3 percent, in contrast to overall growth rates of 1.0 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's maritime economy at 59.3 percent, and this sector also experienced the highest absolute gains in gross domestic product.

**Superlatives.** Oregon experienced a rapid expansion in the marine construction sector, growing by an outstanding 42.3 percent in employment and 46.7 percent in gross domestic product. Cuyahoga County was the largest contributor to the state's maritime economy, accounting for more than one-third of the state's maritime economy employment and gross domestic product. Overall, Ohio's maritime economy ranked 17th in employment and 21th in gross domestic product among all coastal states.

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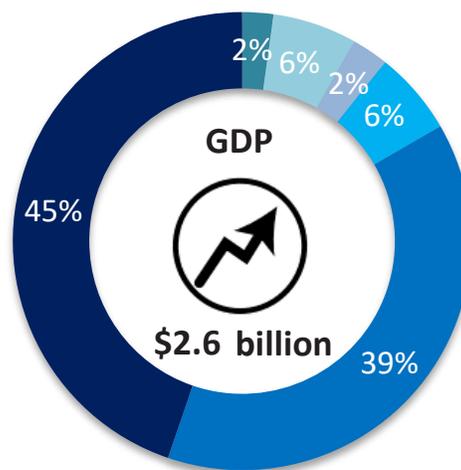
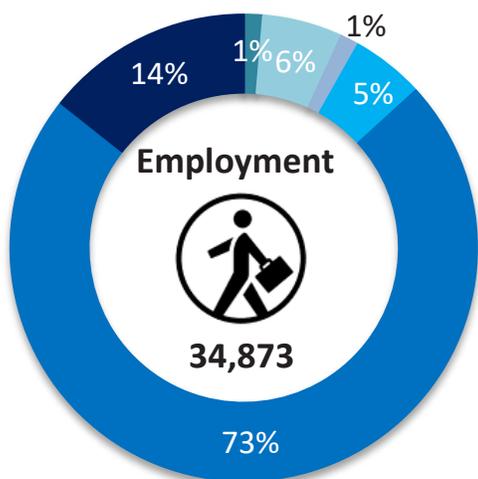
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# 2015 U.S. Ocean and Great Lakes Economy

## Oregon

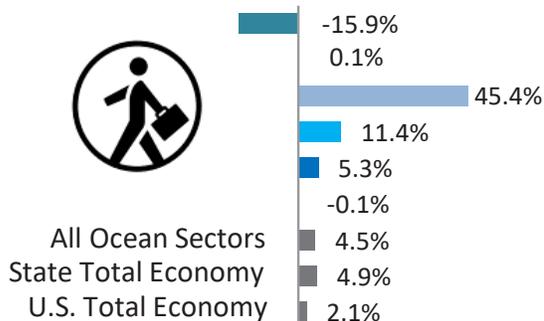
### Annual Totals

The ocean economy accounted for 2.0 % of total employment and 1.2% of total GDP in the state

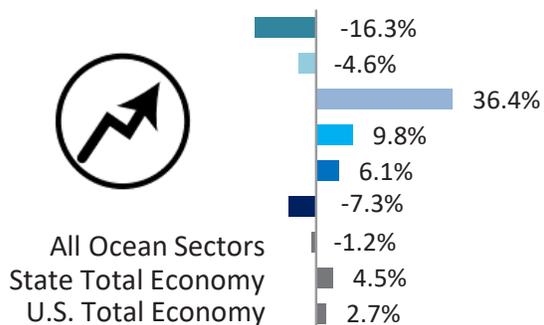


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

### Annual Changes in Employment



### Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Oregon Ocean Economy

**Total economy.** Oregon employed 1.8 million people and generated \$86.4 billion in wages and \$217 billion in gross domestic product. This translates to 1.3 percent of U.S. employment, 1.2 percent of U.S. wages, and 1.2 percent of the nation's gross domestic product.

**Ocean economy.** Oregon's ocean economy employed 34,873 people and generated \$1.1 billion in wages and \$2.6 billion in gross domestic product. The ocean economy accounted for 2.0 percent of Oregon's employment, 1.3 percent of its wages, and 1.2 percent of its gross domestic product.

**Employment.** Employment across Oregon's ocean economy grew by 4.5 percent, compared to the state's employment growth of 4.9 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 72.4 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$31,521 for Oregon, below the overall average for the state of \$50,686. This was largely due to the relatively low average wages in the tourism and recreation sector. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Oregon's ocean economy fell by 1.2 percent, in contrast to an overall growth of 4.5 percent for the state and 2.7 percent nationally. The marine transportation sector accounted for the largest percentage of the state's ocean economy at 44.8 percent; however, this sector experienced the greatest absolute loss in gross domestic product.

**Superlatives.** Multnomah County was the largest contributor to the state's ocean economy, accounting for 43.3 percent of the employment and 33.2 percent of the gross domestic product. Overall, Oregon's ocean economy ranked 23rd in employment and 18th in gross domestic product among all coastal states.

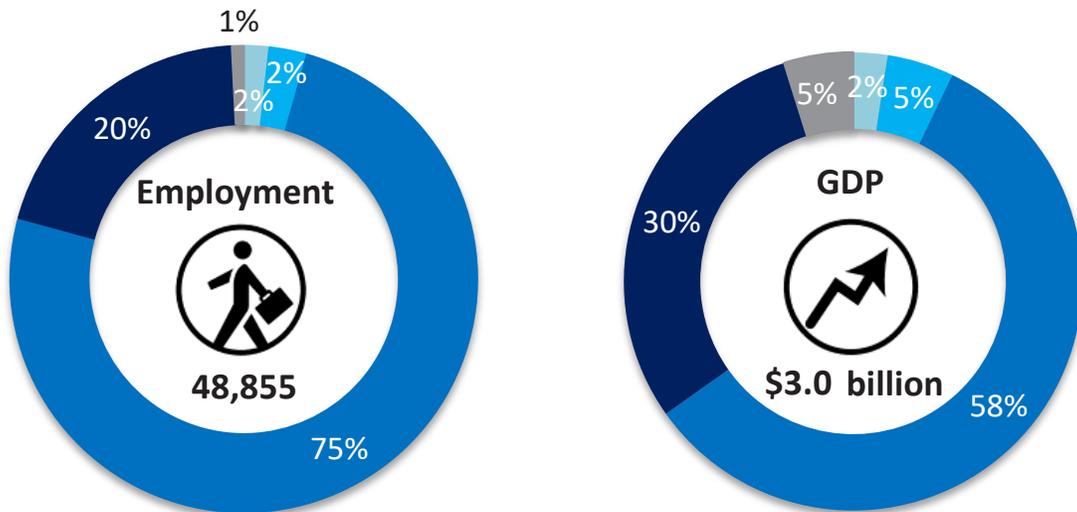
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# 2015 U.S. Ocean and Great Lakes Economy Pennsylvania

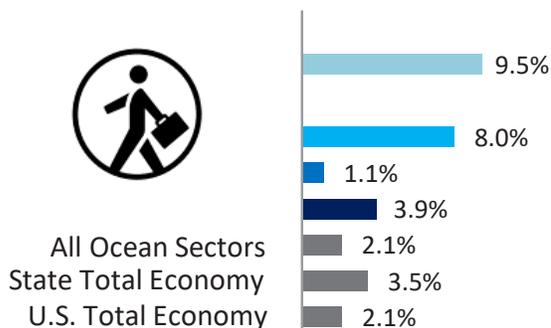
## Annual Totals

The ocean economy accounted for 0.9 % of total employment and 0.4 % of total GDP in the state

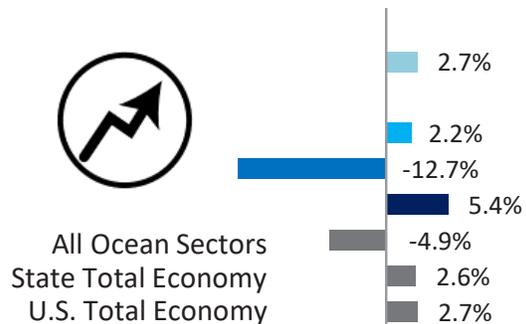


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation
- Suppressed

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Pennsylvania Ocean Economy

**Total economy.** Pennsylvania employed 5.7 million people and generated \$297 billion in wages and \$708 billion in gross domestic product. This translates to 4.1 percent of U.S. employment, 4.0 percent of U.S. wages, and 3.9 percent of the nation's gross domestic product.

**Ocean economy.** Pennsylvania's ocean economy employed 48,855 people and generated \$1.5 billion in wages and \$3.0 billion in gross domestic product. The ocean economy accounted for 0.9 percent of Pennsylvania's employment, 0.5 percent of its wages, and 0.4 percent of its gross domestic product.

**Employment.** Employment across Pennsylvania's ocean economy grew by 2.1 percent, compared to the state's employment growth of 3.5 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 74.8 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$30,554 for Pennsylvania, below the overall average for the state of \$53,996. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, the ship and boat building sector had wages above the state average (\$60,743).

**Gross domestic product.** Gross domestic product for Pennsylvania's ocean economy fell by 4.9 percent, compared to an overall growth rate of 2.6 percent for the state and overall growth of 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 58.1 percent; however, this sector also experienced the highest absolute loss in gross domestic product.

**Superlatives.** Philadelphia County was the largest contributor to the state's ocean economy, accounting for 78.7 percent of the employment and 70.6 percent of the gross domestic product. Overall, Pennsylvania's ocean economy ranked 18th in employment and 16th in gross domestic product among all coastal states.

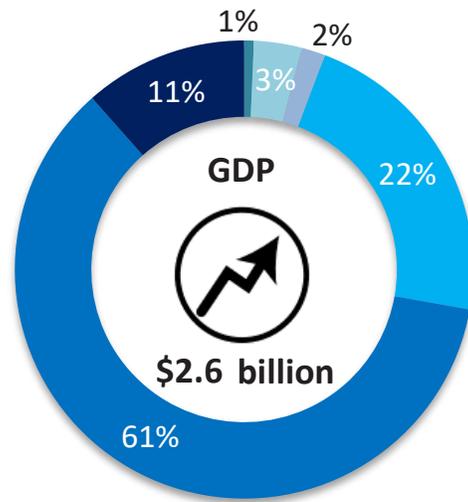
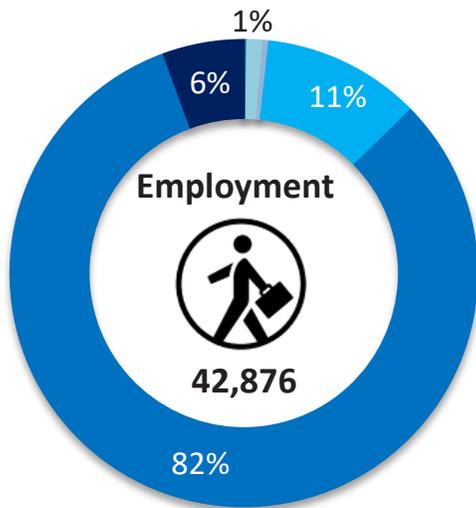
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# 2015 U.S. Ocean and Great Lakes Economy Rhode Island

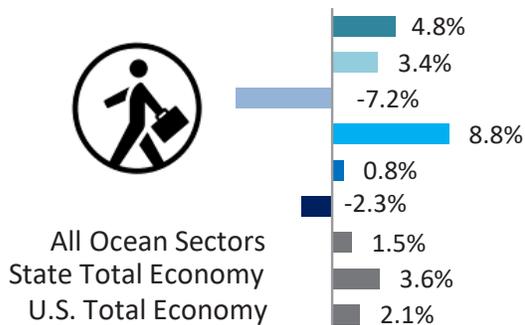
## Annual Totals

The ocean economy accounted for 9.1% of total employment and 4.6% of total GDP in the state

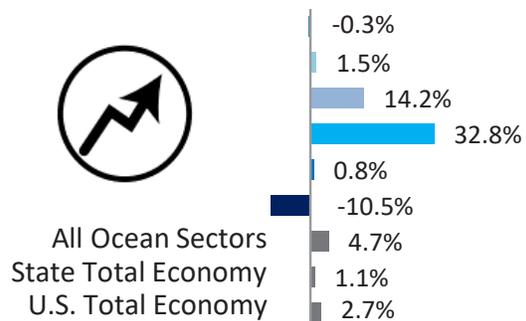


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Rhode Island Ocean Economy

**Total economy.** Rhode Island employed 469,981 people and generated \$23.8 billion in wages and \$55.7 billion in gross domestic product. This translates to 0.3 percent of U.S. employment, 0.3 percent of U.S. wages, and 0.3 percent of the nation's gross domestic product.

**Ocean economy.** Rhode Island's ocean economy employed 42,876 people and generated \$1.2 billion in wages and \$2.6 billion in gross domestic product. The ocean economy accounted for 9.1 percent of Rhode Island's employment, 5.1 percent of its wages, and 4.6 percent of its gross domestic product.

**Employment.** Employment across Rhode Island's ocean economy grew by 1.5 percent, in contrast to the state's employment growth of 3.6 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 81.7 percent. The ship and boat building sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$28,153 for Rhode Island, below the overall average for the state of \$52,463. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Rhode Island's ocean economy grew by 4.7 percent, compared to overall growth rates of 1.1 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 60.7 percent, while the ship and boat building sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Providence County was the largest contributor to the state's ocean economy, accounting for 35.1 percent of the employment and 26.5 percent of the gross domestic product. Overall, Rhode Island's ocean economy ranked 22nd in employment and 20th in gross domestic product among all coastal states.

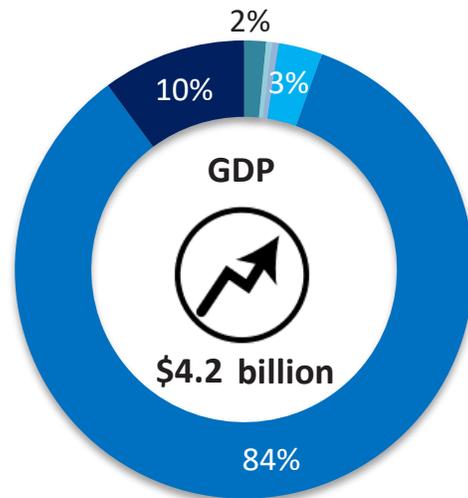
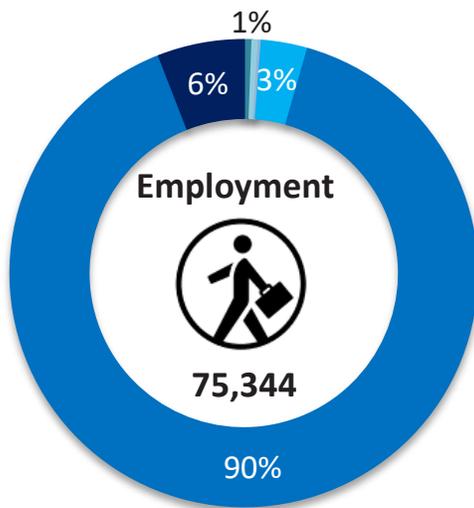
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# 2015 U.S. Ocean and Great Lakes Economy South Carolina

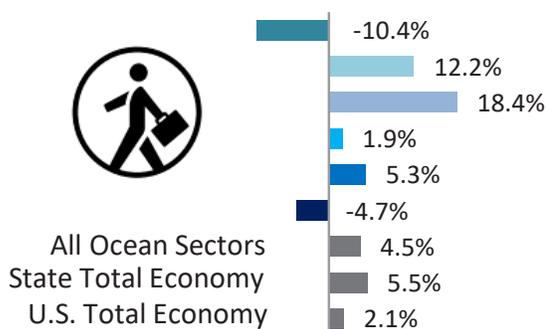
## Annual Totals

The ocean economy accounted for 3.9 % of total employment and 2.1 % of total GDP in the state

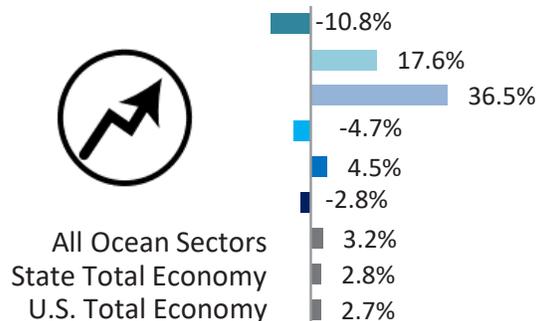


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## South Carolina Ocean Economy

**Total economy.** South Carolina employed 1.9 million people and generated \$81.9 billion in wages and \$202 billion in gross domestic product. This translates to 1.4 percent of U.S. employment, 1.1 percent of U.S. wages, and 1.1 percent of the nation's gross domestic product.

**Ocean economy.** South Carolina's ocean economy employed 75,344 people and generated \$1.7 billion in wages and \$4.2 billion in gross domestic product. The ocean economy accounted for 3.9 percent of South Carolina's employment, 2.1 percent of its wages, and 2.1 percent of its gross domestic product.

**Employment.** Employment across South Carolina's ocean economy grew by 4.5 percent, compared to the state's employment growth of 5.5 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 89.6 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$22,407 for South Carolina, below the overall average for the state of \$44,302. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for South Carolina's ocean economy grew by 3.2 percent, compared to overall growth rates of 2.8 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 84.3 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** South Carolina experienced rapid expansion in the offshore mineral extraction sectors, growing by 18.4 percent in employment and 36.5 percent in gross domestic product. About three-fourth of the employment and gross domestic product in the state's ocean economy was concentrated in Charleston County and Horry County. Overall, South Carolina's ocean economy ranked 13th in employment and 15th in gross domestic product among all coastal states.

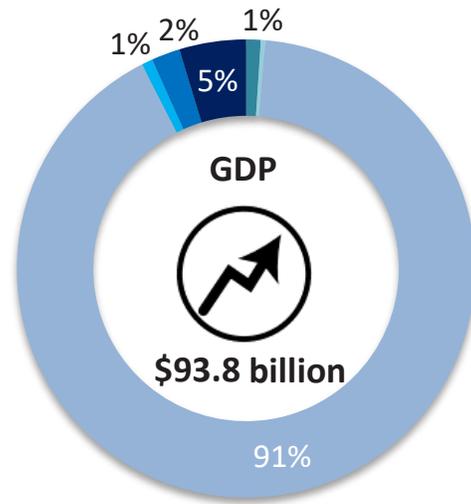
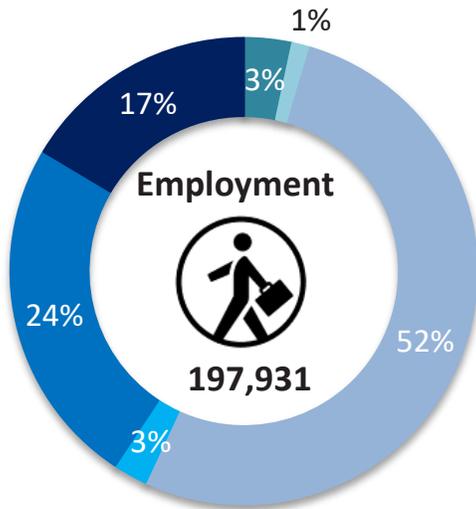
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# 2015 U.S. Ocean and Great Lakes Economy Texas

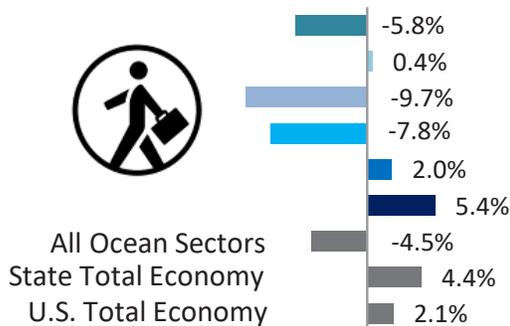
## Annual Totals

The ocean economy accounted for 1.7% of total employment and 5.8% of total GDP in the state

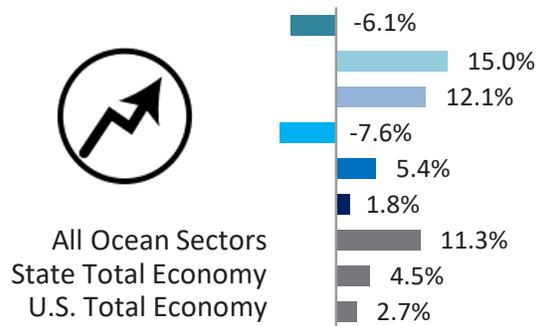


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Texas Ocean Economy

**Total economy.** Texas employed 11.7 million people and generated \$633 billion in wages and \$1.6 trillion in gross domestic product. This translates to 8.4 percent of U.S. employment, 8.6 percent of U.S. wages, and 8.9 percent of the nation's gross domestic product.

**Ocean economy.** Texas' ocean economy employed 197,931 people and generated \$21.4 billion in wages and \$93.8 billion in gross domestic product. The ocean economy accounted for 1.7 percent of Texas' employment, 3.4 percent of its wages, and 5.8 percent of its gross domestic product.

**Employment.** Employment across Texas' ocean economy fell by 4.5 percent, in contrast to the state's employment growth of 4.4 percent and 2.1 percent nationally. Within the state's ocean economy, offshore mineral extraction was the largest employer with 52.3 percent, while the marine transportation sector experienced the highest absolute gains in employment. Texas was the only state where the ocean tourism and recreation sector was not the largest employer in the ocean economy.

**Wages.** Ocean economy annual wages averaged \$108,207 for Texas, almost twice the overall average for the state of \$56,651. This was largely due to the high average wage per employee in the offshore mineral extraction sector and this sector's dominance in the ocean economy. Three other ocean sectors (marine construction, ship and boat building, and marine transportation) also had wages above the state average.

**Gross domestic product.** Gross domestic product for Texas' ocean economy grew by 11.3 percent, compared to overall growth rates of 4.5 percent for the state and 2.7 percent nationally. The offshore mineral extraction sector accounted for the largest percentage of the state's ocean economy at 91.1 percent, and experienced the highest absolute gains in gross domestic product.

**Superlatives.** Harris County was the largest contributor to the Texas ocean economy, accounting for 61.7 percent of the employment and 90.2 percent of the gross domestic product. In terms of gross domestic product, this county was also the largest ocean economy contributor in the nation, since a significant amount of offshore mineral extraction and marine construction activities took place in this area. Overall, Texas' ocean economy ranked 4th in employment and 1st in gross domestic product among all coastal states.

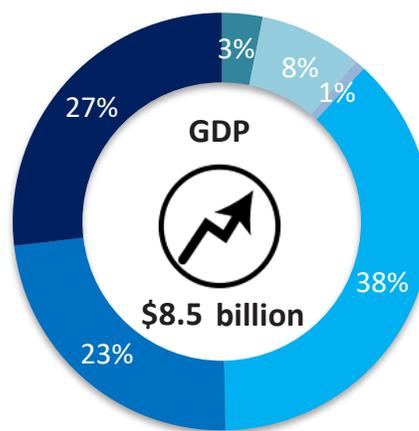
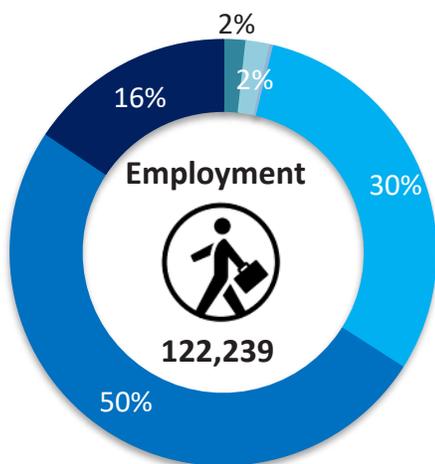
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# 2015 U.S. Ocean and Great Lakes Economy Virginia

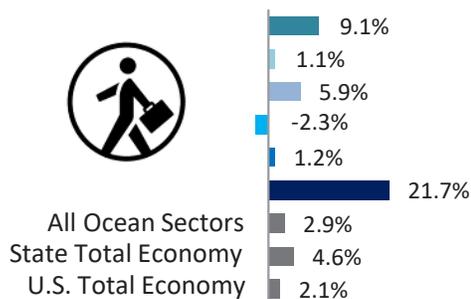
## Annual Totals

The ocean economy accounted for 3.3% of total employment and 1.8 % of total GDP in the state

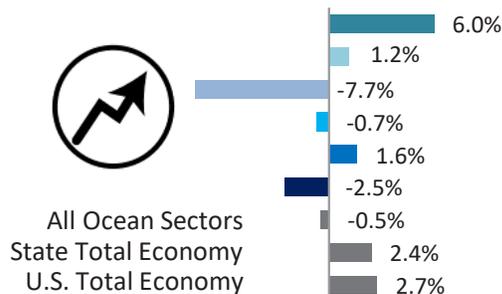


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Virginia Maritime Economy

**Total economy.** Virginia employed 3.7 million people and generated \$203 billion in wages and \$482 billion in gross domestic product. This translates to 2.7 percent of U.S. employment, 2.7 percent of U.S. wages, and 2.7 percent of the nation's gross domestic product.

**Ocean economy.** Virginia's ocean economy employed 122,239 people and generated \$5.2 billion in wages and \$8.5 billion in gross domestic product. The ocean economy accounted for 3.3 percent of Virginia's employment, 2.6 percent of its wages, and 1.8 percent of its gross domestic product.

**Employment.** Employment across Virginia's ocean economy grew by 2.9 percent, in contrast to the state's employment growth of 4.6 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 50.3 percent, while the marine transportation sector experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$42,436 for Virginia, below the overall average for the state of \$56,747. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, four of the six ocean sectors (marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** The gross domestic product for Virginia's ocean economy fell by 0.5 percent, compared to overall growth rates of 2.4 percent for the state and 2.7 percent nationally. The ship and boat building sector accounted for the largest percentage of the state's ocean economy at 37.8 percent, while the tourism and recreation sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Newport News City, Virginia Beach City, and Norfolk City together accounted for almost half of the employment and gross domestic product in the state's ocean economy. Portsmouth City County was the second largest contributor in the nation's ship and boat building sector among all the coastal counties, and Virginia was the largest employer state in this sector. Overall, Virginia's ocean economy ranked 7th in employment and 9th in gross domestic product among all coastal states.

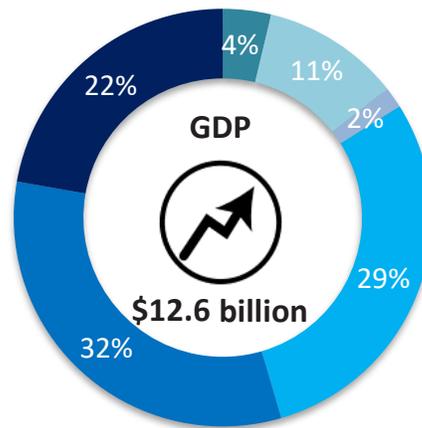
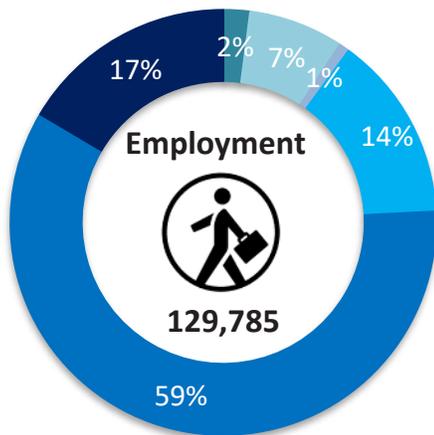
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**About this Information:** *This report is based on the latest-available Economics: National Ocean Watch data (2015) produced by the NOAA Office for Coastal Management, providing regional and state profiles as a companion to a broader national report. Visit the Digital Coast ([coast.noaa.gov/digitalcoast/topics/economy](http://coast.noaa.gov/digitalcoast/topics/economy)) to get a copy of the national report, data, and other economic tools and information.*

# 2015 U.S. Ocean and Great Lakes Economy Washington

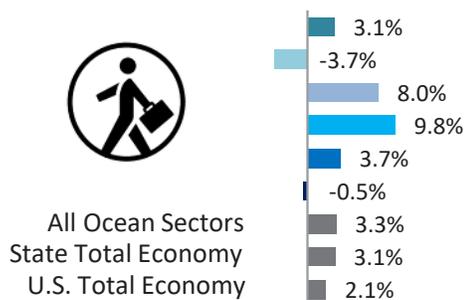
## Annual Totals

The ocean economy accounted for 4.2 % of total employment and 2.8 % of total GDP in the state

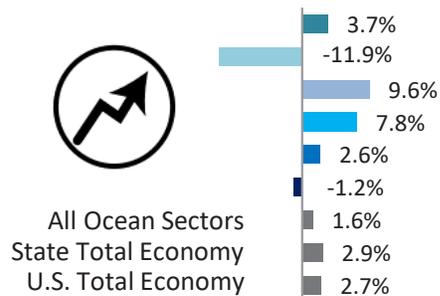


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

## Annual Changes in Employment



## Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**  
[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Washington State Ocean Economy

**Total economy.** Washington employed 3.1 million people and generated \$177 billion in wages and \$446 billion in gross domestic product. This translates to 2.2 percent of U.S. employment, 2.4 percent of U.S. wages, and 2.5 percent of the nation's gross domestic product.

**Maritime economy.** Washington State's ocean economy employed 129,785 people and generated \$5.4 billion in wages and \$12.6 billion in gross domestic product. The ocean economy accounted for 4.2 percent of Washington State's employment, 3.0 percent of its wages, and 2.8 percent of its gross domestic product.

**Employment.** Employment across Washington State's ocean economy grew by 3.3 percent, compared to the state's employment growth of 3.1 percent and 2.1 percent nationally. Within the state's ocean economy, the tourism and recreation sector was the largest employer with 59.3 percent. This sector also experienced the highest absolute gains in employment.

**Wages.** Ocean economy annual wages averaged \$41,554 for Washington, below the overall average for the state of \$58,425. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the ocean economy. However, all the other ocean sectors (living resources, marine construction, offshore mineral extraction, ship and boat building, and marine transportation) had wages above the state average.

**Gross domestic product.** Gross domestic product for Washington State's ocean economy grew by 1.6 percent, compared to overall growth rates of 2.9 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's ocean economy at 32.3 percent, while the ship and boat building sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Washington State was the largest producer in the nation's living resources sector. King County was the largest contributor to the state's ocean economy, accounting for 40.8 percent of the employment and 59.4 percent of the gross domestic product. King County was also the largest contributor in the nation's living resources sector among all the coastal counties. Kitsap County was the largest contributor in the nation's ship and boat building sector among all the coastal counties. Overall, Washington State's ocean economy ranked 5th in employment and 6th in gross domestic product among all coastal states.

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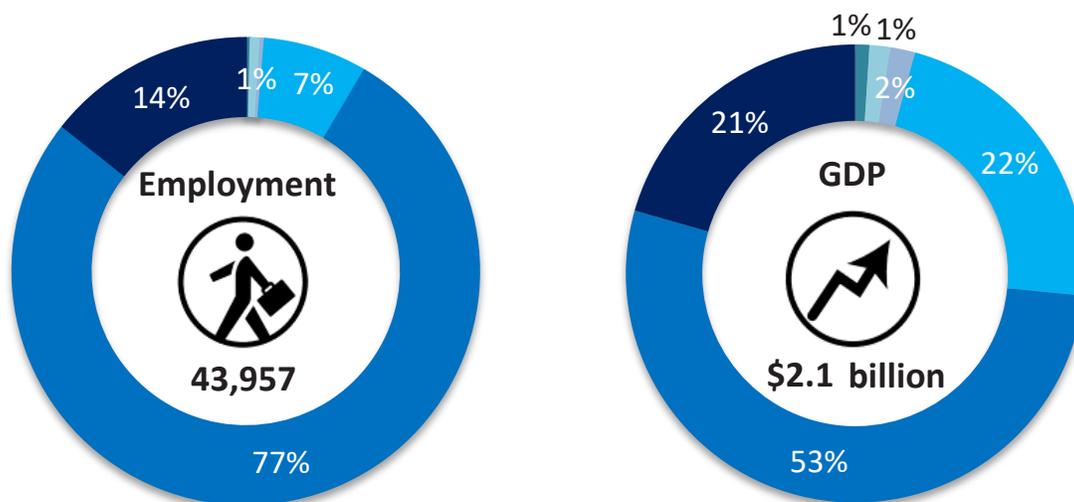
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# 2015 U.S. Ocean and Great Lakes Economy

## Wisconsin

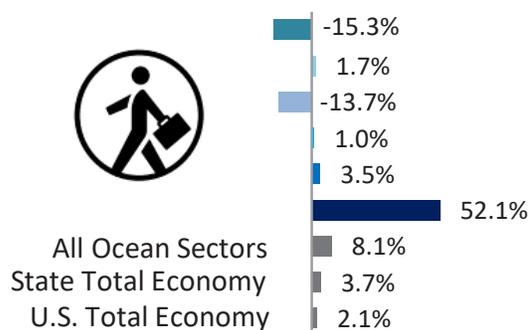
### Annual Totals

The ocean economy accounted for 1.6 % of total employment and 0.7 % of total GDP in the state

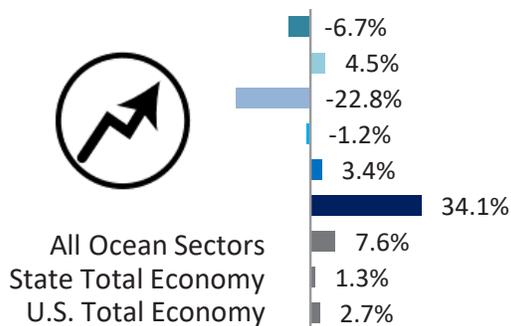


- Marine Construction
- Living Resources
- Offshore Mineral Extraction
- Ship and Boat Building
- Tourism and Recreation
- Marine Transportation

### Annual Changes in Employment



### Annual Changes in GDP



**Economics: National Ocean Watch (ENOW)**

[coast.noaa.gov/digitalcoast/data/enow](http://coast.noaa.gov/digitalcoast/data/enow)

## Wisconsin Maritime Economy

**Total economy.** Wisconsin employed 2.8 million people and generated \$127 billion in wages and \$302 billion in gross domestic product. This translates to 2.0 percent of U.S. employment, 1.7 percent of U.S. wages, and 1.7 percent of the nation's gross domestic product.

**Ocean economy.** Wisconsin's maritime economy employed 43,957 people and generated \$957 million in wages and \$2.1 billion in gross domestic product. The maritime economy accounted for 1.6 percent of Wisconsin's employment, 0.8 percent of its wages, and 0.7 percent of its gross domestic product.

**Employment.** Employment across Wisconsin's maritime economy grew by 8.1 percent, in contrast to the state's employment growth of 3.7 percent and 2.1 percent nationally. Within the state's maritime economy, the tourism and recreation sector was the largest employer with 77.2 percent. The marine transportation sector experienced the highest absolute gains in employment.

**Wages.** Maritime economy annual wages averaged \$21,772 for Wisconsin, well below the overall average for the state of \$47,054. This was largely due to the relatively low average wages in tourism and recreation and this sector's dominance in the maritime economy. However, three of the six maritime sectors (marine construction, offshore mineral extraction, and ship and boat building) had wages above the state average.

**Gross domestic product.** Gross domestic product for Wisconsin's maritime economy grew by 7.6 percent, compared to overall growth rates of 1.3 percent for the state and 2.7 percent nationally. The tourism and recreation sector accounted for the largest percentage of the state's maritime economy at 52.9 percent, while the marine transportation sector experienced the highest absolute gains in gross domestic product.

**Superlatives.** Milwaukee County was the largest contributor to the state's maritime economy, accounting for 41.9 percent of the employment and 39.1 percent of the gross domestic product. Overall, Wisconsin's maritime economy ranked 21st in employment and 25th in gross domestic product among all coastal states.

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