

## 2022 Marine Economy Report

# Great Lakes Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Great Lakes Region's Marine Economy in 2019

**15,868**

**Businesses**

**329,878**

**Employees**

**\$10.2 billion**

**Wages**

**\$21.5 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **75%** of the region's marine economy

**Largest GDP Sector:** Tourism and recreation produces **56%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the Great Lakes region is **\$30,776**, which is lower than the region average (**\$54,924**). Marine construction has the highest average wage per employee at **\$80,773**.

**National Ranking:** The Great Lakes region is ranked **5** out of **8** coastal regions for marine employment, and **6** out of **8** coastal regions for GDP

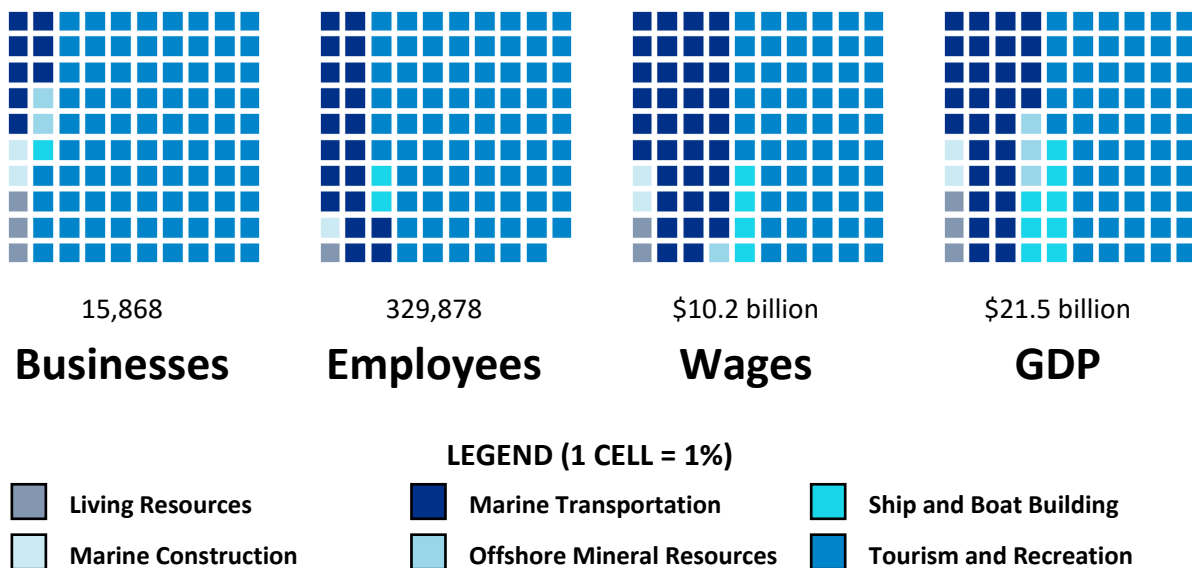
**Top County: Employment** Cook County, Illinois, is home to **22%** of marine jobs in the Great Lakes region

**Top County: GDP** Cook County, Illinois, produces **29%** of the marine economy's gross domestic product in the Great Lakes region

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# Great Lakes Region's Marine Economy



## A Decade of Change (2009-2019)

18%



### Businesses

The Great Lakes region had an increase of 2,366 marine businesses, which was an increase of 18% over the past decade.

22%



### Employees

The Great Lakes region had an increase of 59,749 marine jobs, an increase of 22% over the past decade.

22%



### Average Wages

On average, an employee working in the Great Lakes region's marine economy made \$30,776 in 2019, compared to an average wage of \$25,327 in 2009. The marine economy average wage in the Great Lakes region had an increase of 22%.

28%



### Gross Domestic Product

The value of the Great Lakes region's marine economy had an increase of 28% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Gulf of Mexico Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Gulf of Mexico Region's Marine Economy in 2019

**25,048**

**Businesses**

**616,524**

**Employees**

**\$34.3 billion**

**Wages**

**\$115 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **59%** of the region's marine economy

**Largest GDP Sector:** Offshore mineral resources produces **70%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the Gulf of Mexico region is **\$55,624**, which is higher than the region average (**\$55,073**). Offshore mineral resources has the highest average wage per employee at **\$169,743**.

**National Ranking:** The Gulf of Mexico region is ranked **3** out of **8** coastal regions for marine employment, and **1** out of **8** coastal regions for GDP

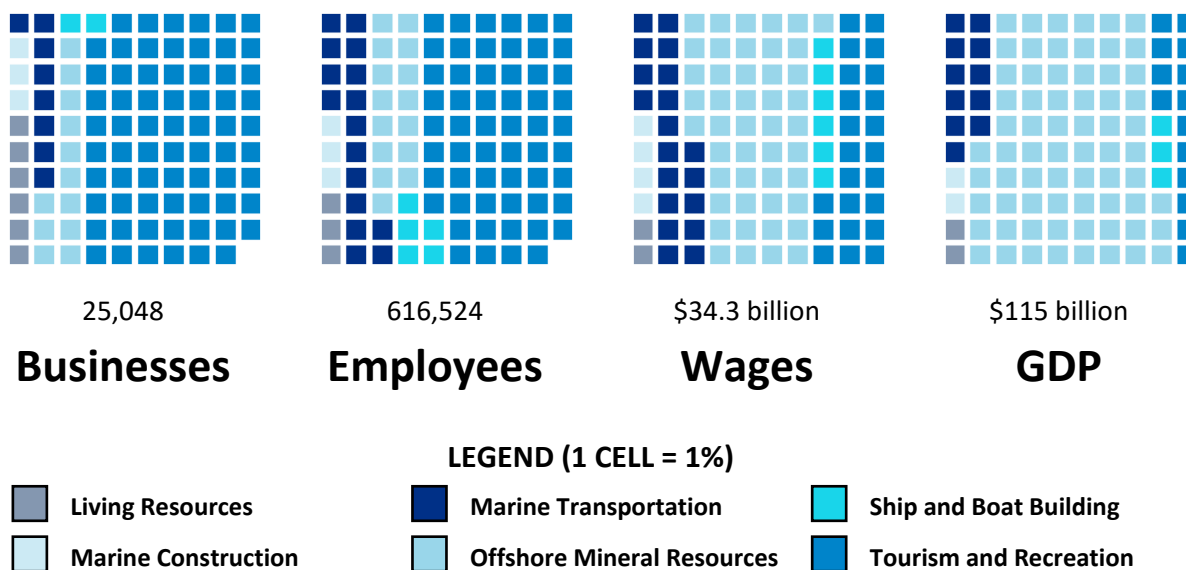
**Top County: Employment** Harris County, Texas, is home to **17%** of marine jobs in the Gulf of Mexico region

**Top County: GDP** Harris County, Texas, produces **63%** of the marine economy's gross domestic product in the Gulf of Mexico region

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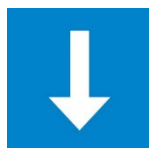


# Gulf of Mexico Region's Marine Economy



## A Decade of Change (2009-2019)

-1%



### Businesses

The Gulf of Mexico region had a decrease of 164 marine businesses, which was a decrease of 1% over the past decade.

10%



### Employees

The Gulf of Mexico region had an increase of 56,316 marine jobs, an increase of 10% over the past decade.

7%



### Average Wages

On average, an employee working in the Gulf of Mexico region's marine economy made \$55,624 in 2019, compared to an average wage of \$51,994 in 2009. The marine economy average wage in the Gulf of Mexico region had an increase of 7%.

41%



### Gross Domestic Product

The value of the Gulf of Mexico region's marine economy had an increase of 41% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Mid-Atlantic Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Mid-Atlantic Region's Marine Economy in 2019

**44,923**

**Businesses**

**864,646**

**Employees**

**\$35.3 billion**

**Wages**

**\$70.2 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **73%** of the region's marine economy

**Largest GDP Sector:** Tourism and recreation produces **62%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the Mid-Atlantic region is **\$40,843**, which is lower than the region average (**\$67,220**). Marine construction has the highest average wage per employee at **\$89,057**.

**National Ranking:** The Mid-Atlantic region is ranked **1** out of **8** coastal regions for marine employment, and **3** out of **8** coastal regions for GDP

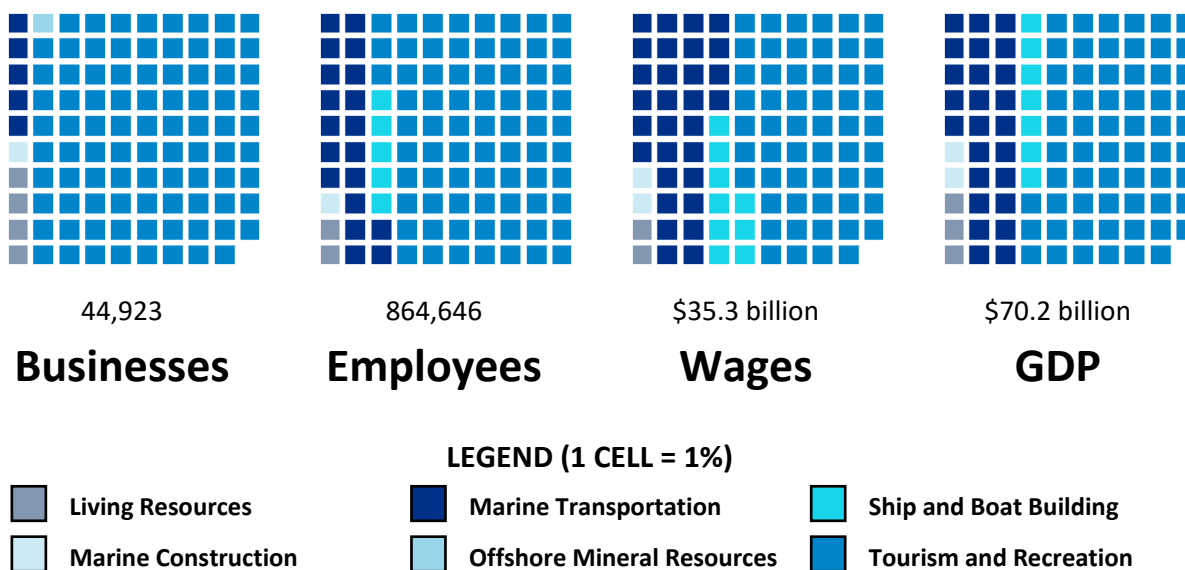
**Top County: Employment** New York County, New York, is home to **25%** of marine jobs in the Mid-Atlantic region

**Top County: GDP** New York County, New York, produces **33%** of the marine economy's gross domestic product in the Mid-Atlantic region

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# Mid-Atlantic Region's Marine Economy



## A Decade of Change (2009-2019)

25%



### Businesses

The Mid-Atlantic region had an increase of 8,933 marine businesses, which was an increase of 25% over the past decade.

39%



### Employees

The Mid-Atlantic region had an increase of 240,897 marine jobs, an increase of 39% over the past decade.

22%



### Average Wages

On average, an employee working in the Mid-Atlantic region's marine economy made \$40,843 in 2019, compared to an average wage of \$33,504 in 2009. The marine economy average wage in the Mid-Atlantic region had an increase of 22%.

39%



### Gross Domestic Product

The value of the Mid-Atlantic region's marine economy had an increase of 39% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Northeast Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Northeast Region's Marine Economy in 2019

**15,759**

**Businesses**

**277,208**

**Employees**

**\$11.3 billion**

**Wages**

**\$22.0 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **72%** of the region's marine economy

**Largest GDP Sector:** Tourism and recreation produces **53%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the Northeast region is **\$40,697**, which is lower than the region average (**\$68,619**). Marine construction has the highest average wage per employee at **\$87,203**.

**National Ranking:** The Northeast region is ranked **6** out of **8** coastal regions for marine employment, and **5** out of **8** coastal regions for GDP

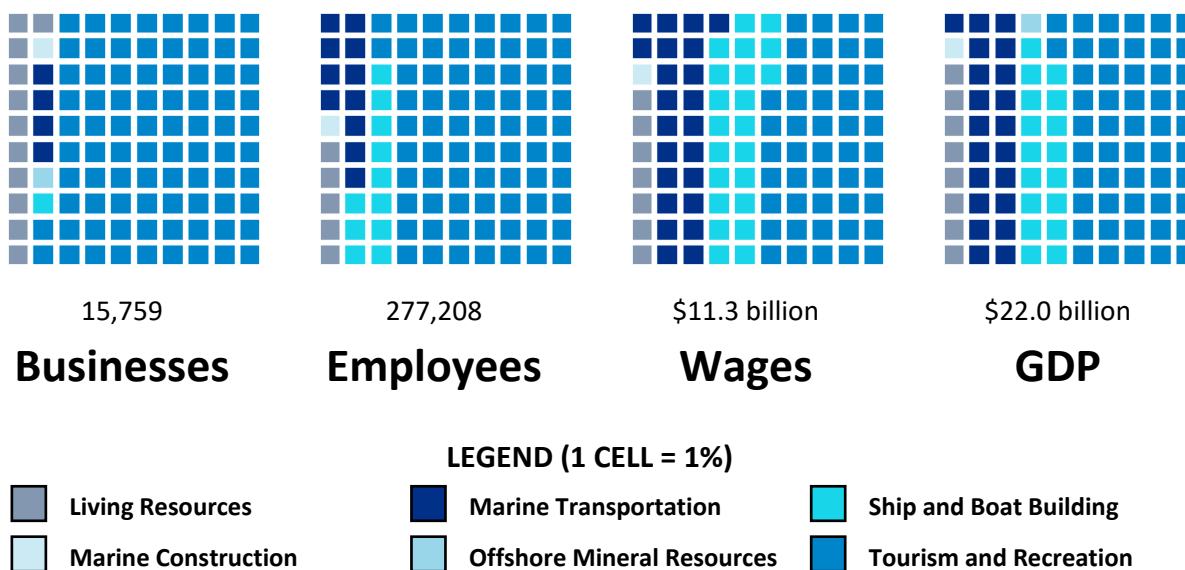
**Top County: Employment** Suffolk County, Massachusetts, is home to **9%** of marine jobs in the Northeast region

**Top County: GDP** New London County, Connecticut, produces **11%** of the marine economy's gross domestic product in the Northeast region

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# Northeast Region's Marine Economy



## A Decade of Change (2009-2019)

**17%**



### Businesses

The Northeast region had an increase of 2,325 marine businesses, which was an increase of 17% over the past decade.

**31%**



### Employees

The Northeast region had an increase of 65,921 marine jobs, an increase of 31% over the past decade.

**30%**



### Average Wages

On average, an employee working in the Northeast region's marine economy made \$40,697 in 2019, compared to an average wage of \$31,407 in 2009. The marine economy average wage in the Northeast region had an increase of 30%.

**43%**



### Gross Domestic Product

The value of the Northeast region's marine economy had an increase of 43% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



## 2022 Marine Economy Report

# North Pacific/Alaska Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### North Pacific/Alaska Region's Marine Economy in 2019

<b>2,528</b>	<b>46,197</b>	<b>\$2.8 billion</b>	<b>\$8.4 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **51%** of the region's marine economy

**Largest GDP Sector:** Offshore mineral resources produces **69%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the North Pacific/Alaska region is **\$61,402**, which is higher than the region average (**\$57,518**). Offshore mineral resources has the highest average wage per employee at **\$148,507**.

**National Ranking:** The North Pacific/Alaska region is ranked **8** out of **8** coastal regions for marine employment, and **8** out of **8** coastal regions for GDP

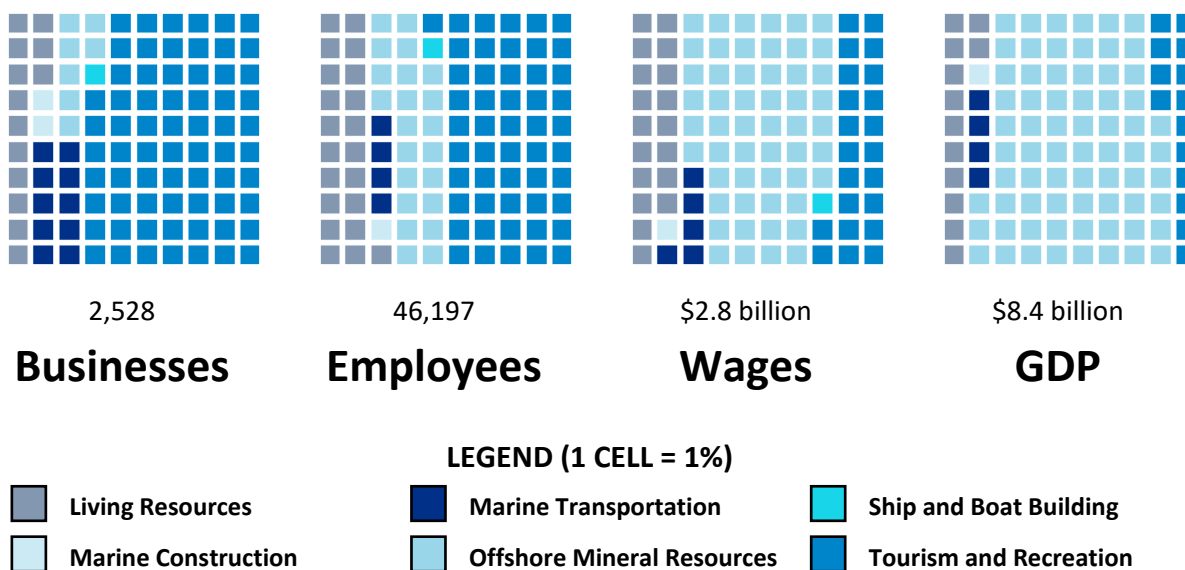
**Top County: Employment** Anchorage Municipality, Alaska, is home to **39%** of marine jobs in the North Pacific/Alaska region

**Top County: GDP** Anchorage Municipality, Alaska, produces **41%** of the marine economy's gross domestic product in the North Pacific/Alaska region

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# North Pacific/Alaska Region's Marine Economy



## A Decade of Change (2009-2019)

19%



### Businesses

The North Pacific/Alaska region had an increase of 411 marine businesses, which was an increase of 19% over the past decade.

6%



### Employees

The North Pacific/Alaska region had an increase of 2,532 marine jobs, an increase of 6% over the past decade.

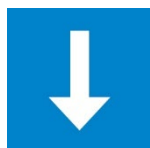
17%



### Average Wages

On average, an employee working in the North Pacific/Alaska region's marine economy made \$61,402 in 2019, compared to an average wage of \$52,273 in 2009. The marine economy average wage in the North Pacific/Alaska region had an increase of 17%.

-26%



### Gross Domestic Product

The value of the North Pacific/Alaska region's marine economy had a decrease of 26% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Pacific/Hawaii Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Pacific/Hawaii Region's Marine Economy in 2019

**4,731**

**Businesses**

**126,386**

**Employees**

**\$5.3 billion**

**Wages**

**\$10.9 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **90%** of the region's marine economy

**Largest GDP Sector:** Tourism and recreation produces **89%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the Pacific/Hawaii region is **\$41,870**, which is lower than the region average (**\$52,686**). Marine construction has the highest average wage per employee at **\$111,199**.

**National Ranking:** The Pacific/Hawaii region is ranked **7** out of **8** coastal regions for marine employment, and **7** out of **8** coastal regions for GDP

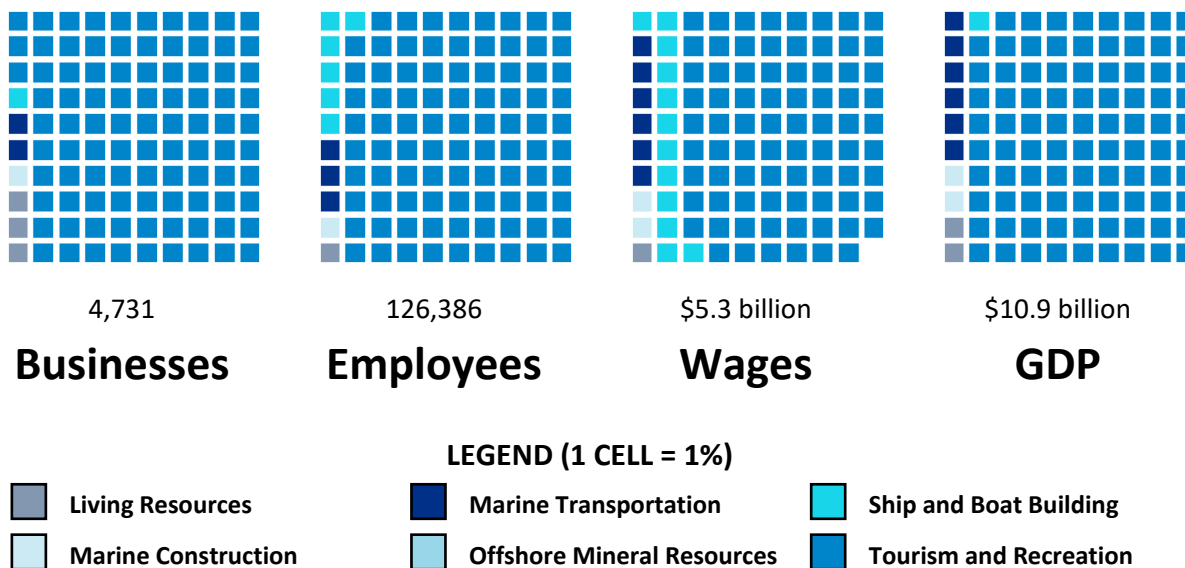
**Top County: Employment** Honolulu County, Hawaii, is home to **62%** of marine jobs in the Pacific/Hawaii region

**Top County: GDP** Honolulu County, Hawaii, produces **55%** of the marine economy's gross domestic product in the Pacific/Hawaii region

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# Pacific/Hawaii Region's Marine Economy



## A Decade of Change (2009-2019)

19%



### Businesses

The Pacific/Hawaii region had an increase of 767 marine businesses, which was an increase of 19% over the past decade.

26%



### Employees

The Pacific/Hawaii region had an increase of 25,814 marine jobs, an increase of 26% over the past decade.

38%



### Average Wages

On average, an employee working in the Pacific/Hawaii region's marine economy made \$41,870 in 2019, compared to an average wage of \$30,262 in 2009. The marine economy average wage in the Pacific/Hawaii region had an increase of 38%.

47%



### Gross Domestic Product

The value of the Pacific/Hawaii region's marine economy had an increase of 47% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Southeast Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Southeast Region's Marine Economy in 2019

**20,139**

**Businesses**

**460,076**

**Employees**

**\$14.9 billion**

**Wages**

**\$32.7 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **77%** of the region's marine economy

**Largest GDP Sector:** Tourism and recreation produces **60%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the Southeast region is **\$32,299**, which is lower than the region average (**\$52,607**). Marine construction has the highest average wage per employee at **\$62,299**.

**National Ranking:** The Southeast region is ranked **4** out of **8** coastal regions for marine employment, and **4** out of **8** coastal regions for GDP

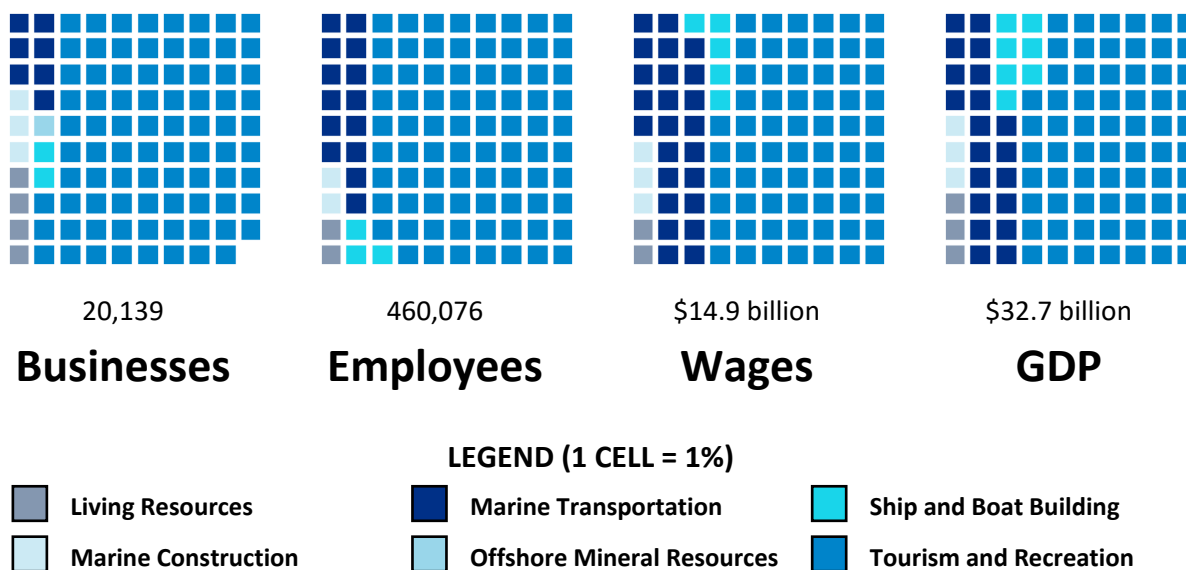
**Top County: Employment** Miami-Dade County, Florida, is home to **20%** of marine jobs in the Southeast region

**Top County: GDP** Miami-Dade County, Florida, produces **27%** of the marine economy's gross domestic product in the Southeast region

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# Southeast Region's Marine Economy



## A Decade of Change (2009-2019)

19%



### Businesses

The Southeast region had an increase of 3,257 marine businesses, which was an increase of 19% over the past decade.

51%



### Employees

The Southeast region had an increase of 154,637 marine jobs, an increase of 51% over the past decade.

36%



### Average Wages

On average, an employee working in the Southeast region's marine economy made \$32,299 in 2019, compared to an average wage of \$23,780 in 2009. The marine economy average wage in the Southeast region had an increase of 36%.

36%



### Gross Domestic Product

The value of the Southeast region's marine economy had an increase of 36% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# West Coast Region

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### West Coast Region's Marine Economy in 2019

**35,387**

**Businesses**

**784,531**

**Employees**

**\$34.8 billion**

**Wages**

**\$70.4 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **71%** of the region's marine economy

**Largest GDP Sector:** Tourism and recreation produces **50%** of the total gross domestic product (GDP) derived from the region's marine economy

**High Earners:** The average wage of marine economy employees in the West Coast region is **\$44,310**, which is lower than the region average (**\$69,703**). Marine construction has the highest average wage per employee at **\$107,165**.

**National Ranking:** The West Coast region is ranked **2** out of **8** coastal regions for marine employment, and **2** out of **8** coastal regions for GDP

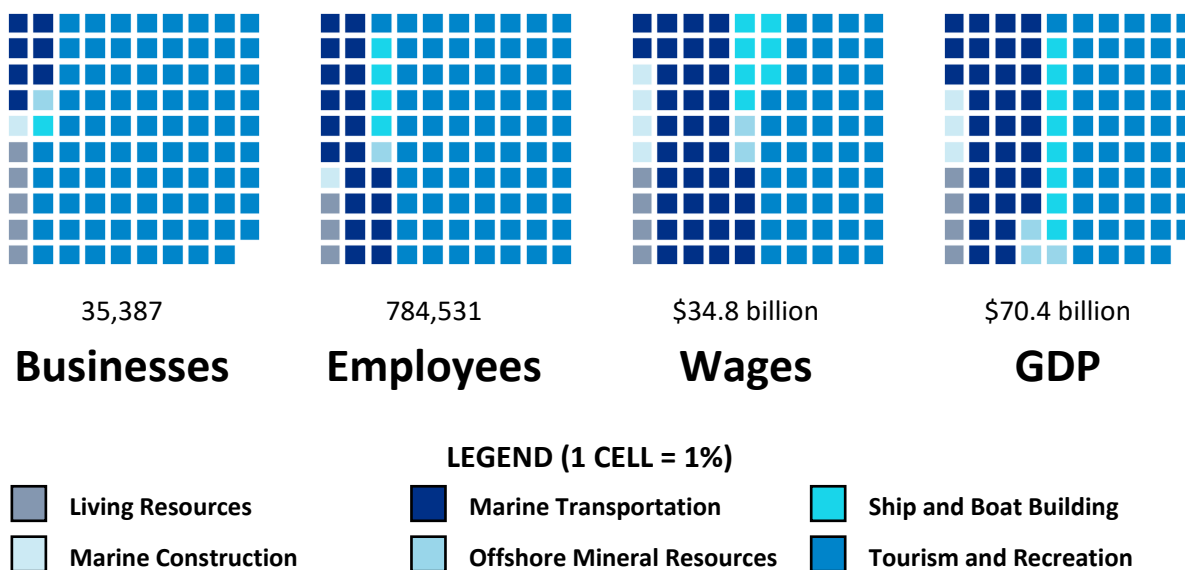
**Top County: Employment** San Diego County, California, is home to **15%** of marine jobs in the West Coast region

**Top County: GDP** Los Angeles County, California, produces **21%** of the marine economy's gross domestic product in the West Coast region

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# West Coast Region's Marine Economy



## A Decade of Change (2009-2019)

**22%**



### Businesses

The West Coast region had an increase of 6,464 marine businesses, which was an increase of 22% over the past decade.

**26%**



### Employees

The West Coast region had an increase of 159,484 marine jobs, an increase of 26% over the past decade.

**20%**



### Average Wages

On average, an employee working in the West Coast region's marine economy made \$44,310 in 2019, compared to an average wage of \$36,903 in 2009. The marine economy average wage in the West Coast region had an increase of 20%.

**12%**



### Gross Domestic Product

The value of the West Coast region's marine economy had an increase of 12% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



## 2022 Marine Economy Report

# Alabama

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Alabama's Marine Economy in 2019

<b>1,456</b>	<b>31,406</b>	<b>\$1.1 billion</b>	<b>\$2.2 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **64%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **37%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Alabama is **\$34,025**, which is lower than the state average (**\$48,839**). Offshore mineral resources has the highest average wage per employee at **\$104,700**.

**National Ranking:** Alabama is ranked **25** out of **30** coastal states for marine employment, and **25** out of **30** coastal states for GDP

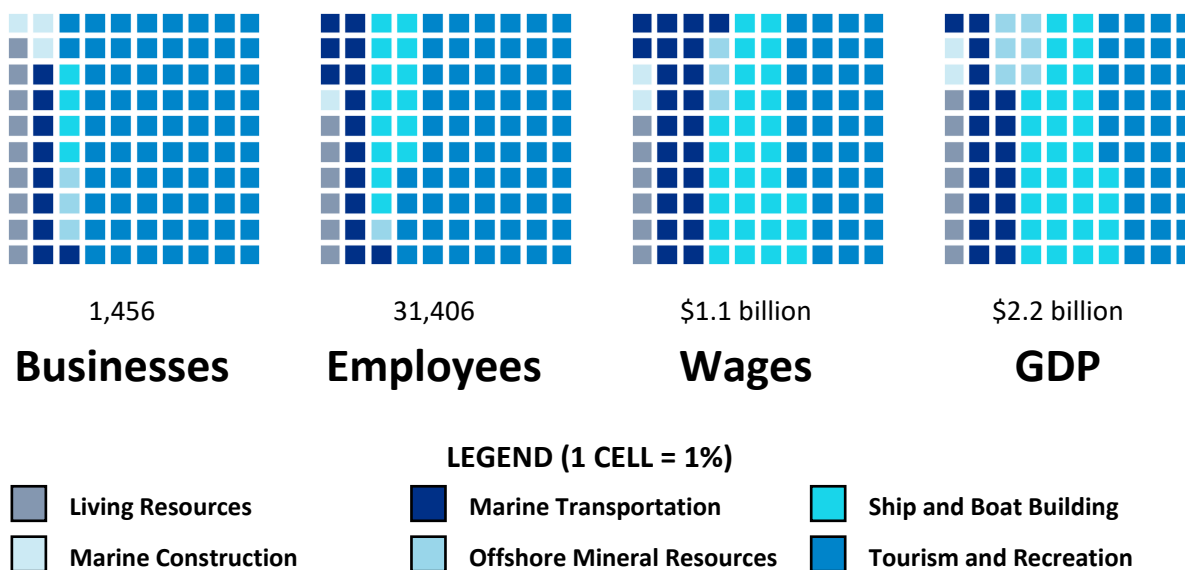
**Top County: Employment** Mobile County, Alabama, is home to **51%** of marine jobs in Alabama

**Top County: GDP** Mobile County, Alabama, produces **61%** of the marine economy's gross domestic product in Alabama

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# Alabama's Marine Economy



## A Decade of Change (2009-2019)

**27%**



### Businesses

Alabama had an increase of 308 marine businesses, which was an increase of 27% over the past decade.

**31%**



### Employees

Alabama had an increase of 7,379 marine jobs, an increase of 31% over the past decade.

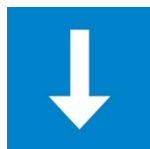
**23%**



### Average Wages

On average, an employee working in Alabama's marine economy made \$34,025 in 2019, compared to an average wage of \$27,734 in 2009. The marine economy average wage in Alabama had an increase of 23%.

**-8%**



### Gross Domestic Product

The value of Alabama's marine economy had a decrease of 8% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Alaska

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Alaska's Marine Economy in 2019

<b>2,528</b>	<b>46,197</b>	<b>\$2.8 billion</b>	<b>\$8.4 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **51%** of the state's marine economy

**Largest GDP Sector:** Offshore mineral resources produces **69%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Alaska is **\$61,402**, which is higher than the state average (**\$57,518**). Offshore mineral resources has the highest average wage per employee at **\$148,507**.

**National Ranking:** Alaska is ranked **21** out of **30** coastal states for marine employment, and **11** out of **30** coastal states for GDP

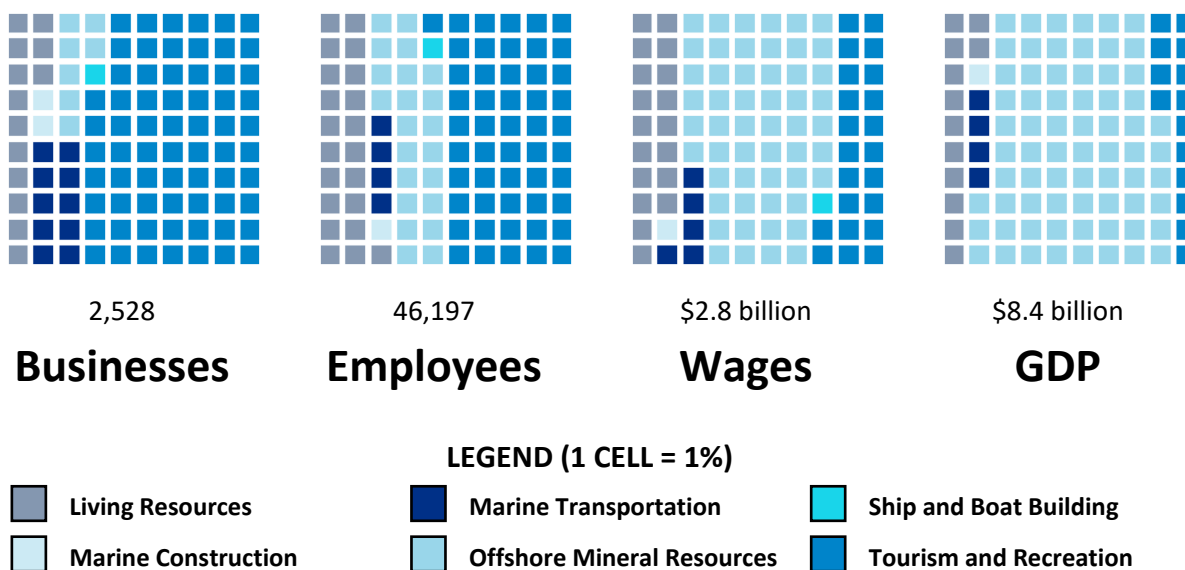
**Top County: Employment** Anchorage Municipality, Alaska, is home to **39%** of marine jobs in Alaska

**Top County: GDP** Anchorage Municipality, Alaska, produces **41%** of the marine economy's gross domestic product in Alaska

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Alaska's Marine Economy



## A Decade of Change (2009-2019)

19%



### Businesses

Alaska had an increase of 411 marine businesses, which was an increase of 19% over the past decade.

6%



### Employees

Alaska had an increase of 2,532 marine jobs, an increase of 6% over the past decade.

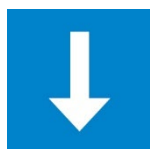
17%



### Average Wages

On average, an employee working in Alaska's marine economy made \$61,402 in 2019, compared to an average wage of \$52,273 in 2009. The marine economy average wage in Alaska had an increase of 17%.

-26%



### Gross Domestic Product

The value of Alaska's marine economy had a decrease of 26% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# California

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### California's Marine Economy in 2019

**26,084**

**Businesses**

**598,327**

**Employees**

**\$26.4 billion**

**Wages**

**\$51.6 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **75%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **54%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in California is **\$44,059**, which is lower than the state average (**\$71,351**). Marine construction has the highest average wage per employee at **\$110,746**.

**National Ranking:** California is ranked **1** out of **30** coastal states for marine employment, and **2** out of **30** coastal states for GDP

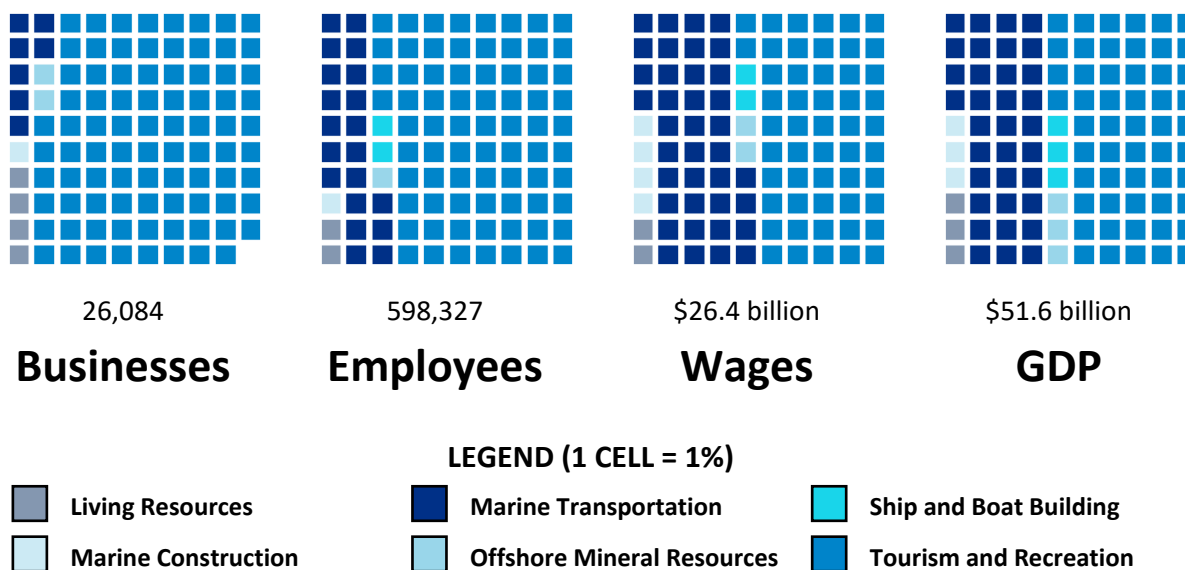
**Top County: Employment** San Diego County, California, is home to **20%** of marine jobs in California

**Top County: GDP** Los Angeles County, California, produces **29%** of the marine economy's gross domestic product in California

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# California's Marine Economy



## A Decade of Change (2009-2019)

**28%**



### Businesses

California had an increase of 5,754 marine businesses, which was an increase of 28% over the past decade.

**25%**



### Employees

California had an increase of 118,635 marine jobs, an increase of 25% over the past decade.

**18%**



### Average Wages

On average, an employee working in California's marine economy made \$44,059 in 2019, compared to an average wage of \$37,436 in 2009. The marine economy average wage in California had an increase of 18%.

**6%**



### Gross Domestic Product

The value of California's marine economy had an increase of 6% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Connecticut

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Connecticut's Marine Economy in 2019

<b>3,182</b>	<b>60,168</b>	<b>\$2.6 billion</b>	<b>\$4.9 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **66%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **44%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Connecticut is **\$43,847**, which is lower than the state average (**\$69,771**). Ship and boat building has the highest average wage per employee at **\$94,973**.

**National Ranking:** Connecticut is ranked **15** out of **30** coastal states for marine employment, and **15** out of **30** coastal states for GDP

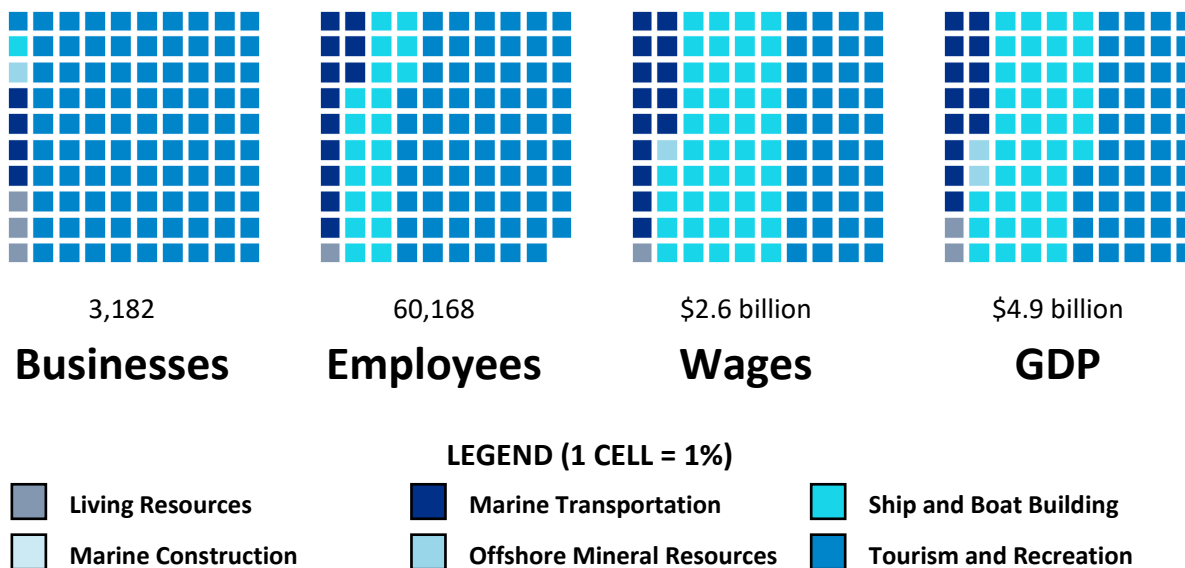
**Top County: Employment** New London County, Connecticut, is home to **34%** of marine jobs in Connecticut

**Top County: GDP** New London County, Connecticut, produces **50%** of the marine economy's gross domestic product in Connecticut

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Connecticut's Marine Economy



## A Decade of Change (2009-2019)

19%



### Businesses

Connecticut had an increase of 497 marine businesses, which was an increase of 19% over the past decade.

35%



### Employees

Connecticut had an increase of 15,545 marine jobs, an increase of 35% over the past decade.

15%



### Average Wages

On average, an employee working in Connecticut's marine economy made \$43,847 in 2019, compared to an average wage of \$37,980 in 2009. The marine economy average wage in Connecticut had an increase of 15%.

9%



### Gross Domestic Product

The value of Connecticut's marine economy had an increase of 9% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



## 2022 Marine Economy Report

# Delaware

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Delaware's Marine Economy in 2019

<b>1,632</b>	<b>29,794</b>	<b>\$787 million</b>	<b>\$1.5 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **78%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **70%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Delaware is **\$26,410**, which is lower than the state average (**\$58,479**). Marine construction has the highest average wage per employee at **\$71,413**.

**National Ranking:** Delaware is ranked **27** out of **30** coastal states for marine employment, and **29** out of **30** coastal states for GDP

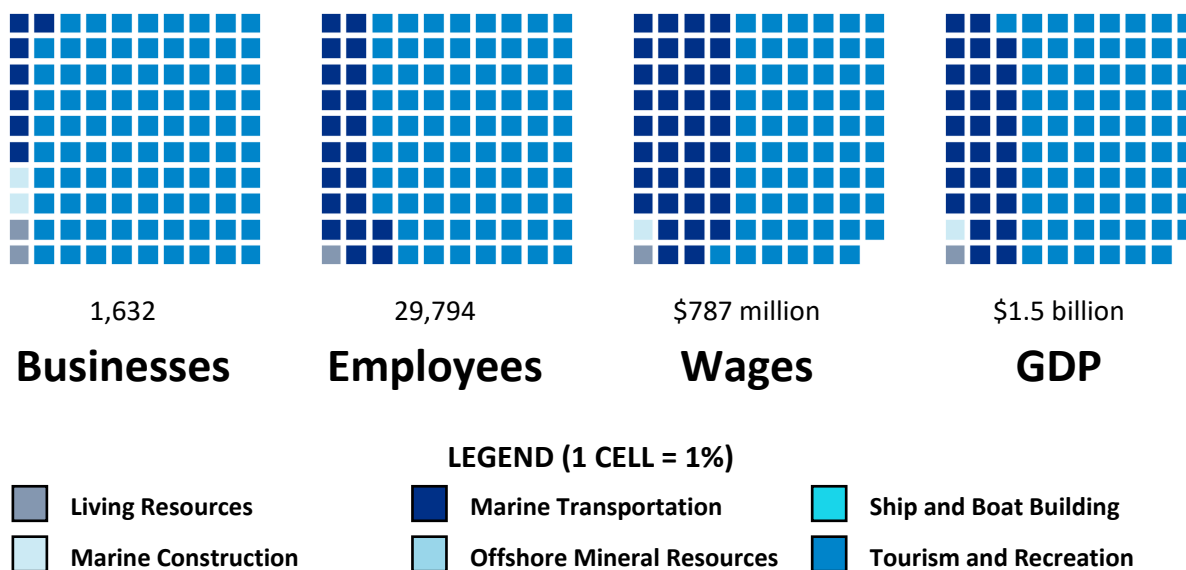
**Top County: Employment** Sussex County, Delaware, is home to **41%** of marine jobs in Delaware

**Top County: GDP** Sussex County, Delaware, produces **45%** of the marine economy's gross domestic product in Delaware

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Delaware's Marine Economy



## A Decade of Change (2009-2019)

**58%**



### Businesses

Delaware had an increase of 602 marine businesses, which was an increase of 58% over the past decade.

**65%**



### Employees

Delaware had an increase of 11,749 marine jobs, an increase of 65% over the past decade.

**31%**



### Average Wages

On average, an employee working in Delaware's marine economy made \$26,410 in 2019, compared to an average wage of \$20,130 in 2009. The marine economy average wage in Delaware had an increase of 31%.

**82%**



### Gross Domestic Product

The value of Delaware's marine economy had an increase of 82% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Florida

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Florida's Marine Economy in 2019

**23,779**

**Businesses**

**556,860**

**Employees**

**\$18.1 billion**

**Wages**

**\$37.0 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **78%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **64%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Florida is **\$32,584**, which is lower than the state average (**\$51,741**). Marine construction has the highest average wage per employee at **\$59,883**.

**National Ranking:** Florida is ranked **2** out of **30** coastal states for marine employment, and **3** out of **30** coastal states for GDP

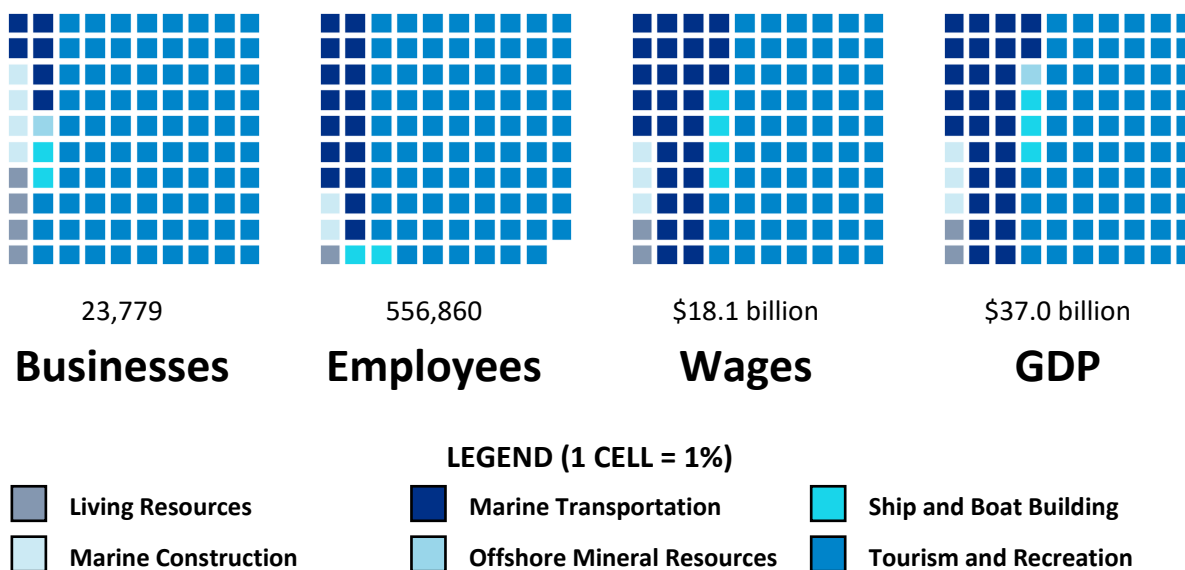
**Top County: Employment** Miami-Dade County, Florida, is home to **16%** of marine jobs in Florida

**Top County: GDP** Miami-Dade County, Florida, produces **24%** of the marine economy's gross domestic product in Florida

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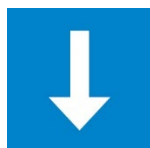


# Florida's Marine Economy



## A Decade of Change (2009-2019)

**-1%**



### Businesses

Florida had a decrease of 236 marine businesses, which was a decrease of 1% over the past decade.

**38%**



### Employees

Florida had an increase of 154,709 marine jobs, an increase of 38% over the past decade.

**30%**



### Average Wages

On average, an employee working in Florida's marine economy made \$32,584 in 2019, compared to an average wage of \$25,145 in 2009. The marine economy average wage in Florida had an increase of 30%.

**28%**



### Gross Domestic Product

The value of Florida's marine economy had an increase of 28% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Georgia

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Georgia's Marine Economy in 2019

<b>1,292</b>	<b>30,060</b>	<b>\$917 million</b>	<b>\$1.8 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **58%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **42%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Georgia is **\$30,503**, which is lower than the state average (**\$55,263**). Offshore mineral resources has the highest average wage per employee at **\$47,741**.

**National Ranking:** Georgia is ranked **26** out of **30** coastal states for marine employment, and **27** out of **30** coastal states for GDP

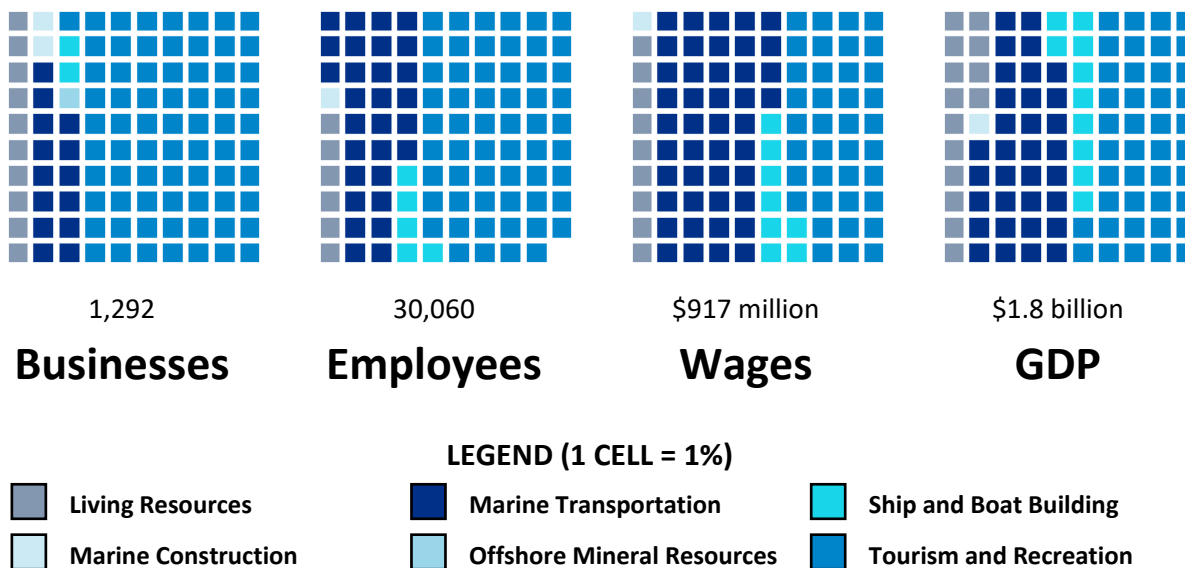
**Top County: Employment** Chatham County, Georgia, is home to **50%** of marine jobs in Georgia

**Top County: GDP** Chatham County, Georgia, produces **42%** of the marine economy's gross domestic product in Georgia

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# Georgia's Marine Economy



## A Decade of Change (2009-2019)

15%



### Businesses

Georgia had an increase of 172 marine businesses, which was an increase of 15% over the past decade.

36%



### Employees

Georgia had an increase of 7,895 marine jobs, an increase of 36% over the past decade.

33%



### Average Wages

On average, an employee working in Georgia's marine economy made \$30,503 in 2019, compared to an average wage of \$22,912 in 2009. The marine economy average wage in Georgia had an increase of 33%.

44%



### Gross Domestic Product

The value of Georgia's marine economy had an increase of 44% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Hawaii

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Hawaii's Marine Economy in 2019

**4,731**

**Businesses**

**126,386**

**Employees**

**\$5.3 billion**

**Wages**

**\$10.9 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **90%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **89%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Hawaii is **\$41,870**, which is lower than the state average (**\$52,686**). Marine construction has the highest average wage per employee at **\$111,199**.

**National Ranking:** Hawaii is ranked **8** out of **30** coastal states for marine employment, and **8** out of **30** coastal states for GDP

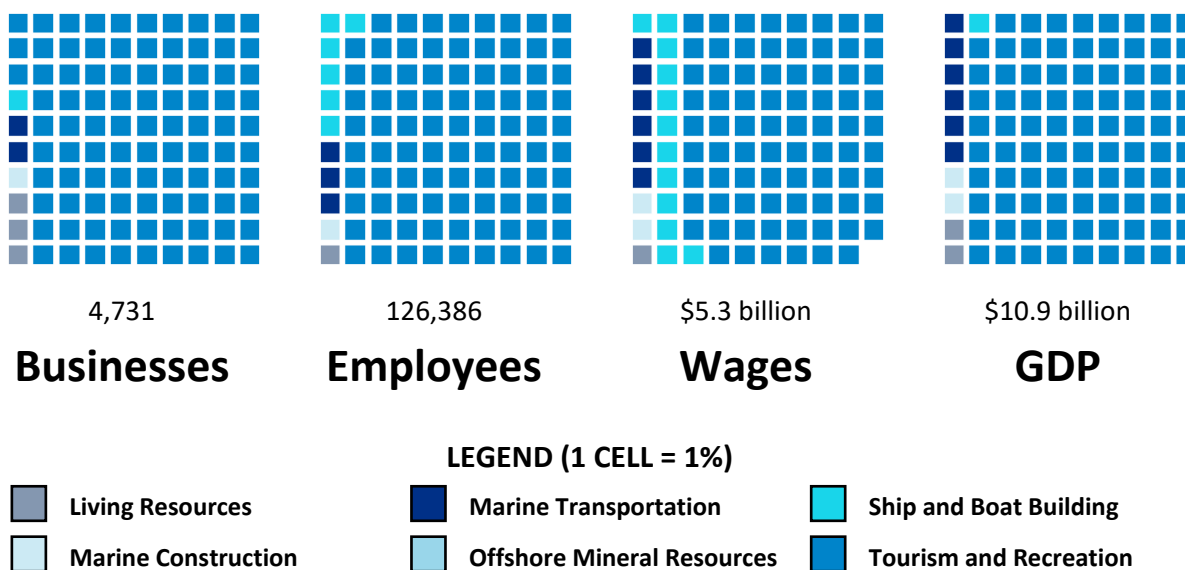
**Top County: Employment** Honolulu County, Hawaii, is home to **62%** of marine jobs in Hawaii

**Top County: GDP** Honolulu County, Hawaii, produces **55%** of the marine economy's gross domestic product in Hawaii

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Hawaii's Marine Economy



## A Decade of Change (2009-2019)

19%



### Businesses

Hawaii had an increase of 767 marine businesses, which was an increase of 19% over the past decade.

26%



### Employees

Hawaii had an increase of 25,814 marine jobs, an increase of 26% over the past decade.

38%



### Average Wages

On average, an employee working in Hawaii's marine economy made \$41,870 in 2019, compared to an average wage of \$30,262 in 2009. The marine economy average wage in Hawaii had an increase of 38%.

47%



### Gross Domestic Product

The value of Hawaii's marine economy had an increase of 47% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



# 2022 Marine Economy Report

## Illinois

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

### The Big Picture

#### Illinois' Marine Economy in 2019

<b>3,352</b>	<b>84,554</b>	<b>\$3.4 billion</b>	<b>\$7.3 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

### The Details

**Largest Employment Sector:** Tourism and recreation employs **79%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **71%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Illinois is **\$40,038**, which is lower than the state average (**\$61,572**). Offshore mineral resources has the highest average wage per employee at **\$98,141**.

**National Ranking:** Illinois is ranked **13** out of **30** coastal states for marine employment, and **13** out of **30** coastal states for GDP

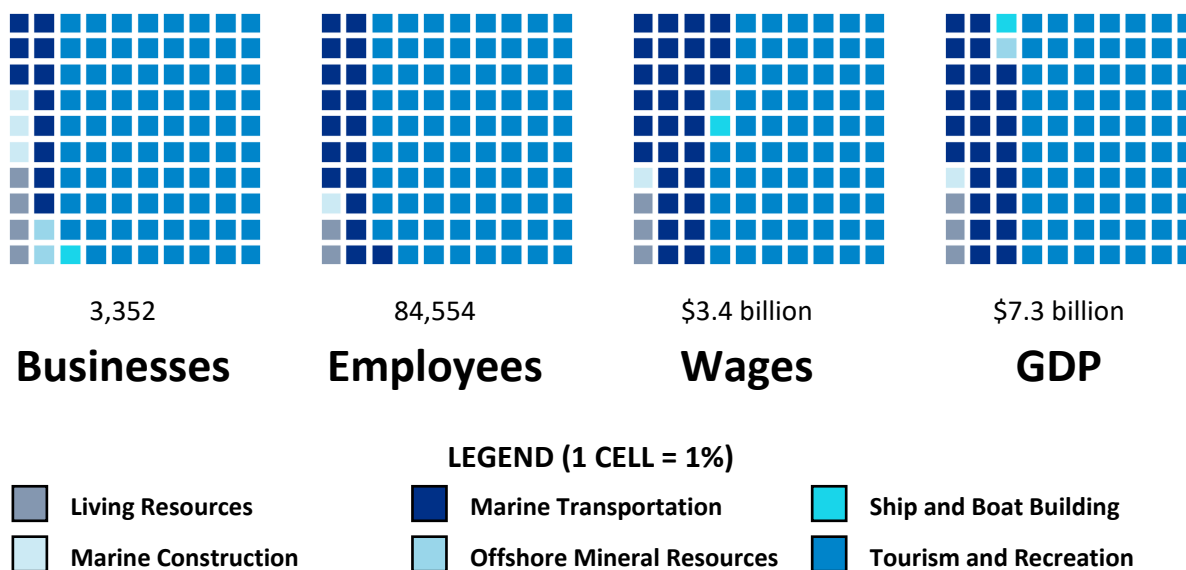
**Top County: Employment** Cook County, Illinois, is home to **85%** of marine jobs in Illinois

**Top County: GDP** Cook County, Illinois, produces **85%** of the marine economy's gross domestic product in Illinois

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Illinois' Marine Economy



## A Decade of Change (2009-2019)

29%



### Businesses

Illinois had an increase of 755 marine businesses, which was an increase of 29% over the past decade.

0%



### Employees

Illinois had an increase of 355 marine jobs, an increase of 0% over the past decade.

28%



### Average Wages

On average, an employee working in Illinois' marine economy made \$40,038 in 2019, compared to an average wage of \$31,400 in 2009. The marine economy average wage in Illinois had an increase of 28%.

1%



### Gross Domestic Product

The value of Illinois' marine economy had an increase of 1% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Indiana

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Indiana's Marine Economy in 2019

<b>564</b>	<b>14,934</b>	<b>\$600 million</b>	<b>\$1.4 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **48%** of the state's marine economy

**Largest GDP Sector:** Ship and boat building produces **42%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Indiana is **\$40,174**, which is lower than the state average (**\$48,793**). Marine construction has the highest average wage per employee at **\$88,429**.

**National Ranking:** Indiana is ranked **29** out of **30** coastal states for marine employment, and **30** out of **30** coastal states for GDP

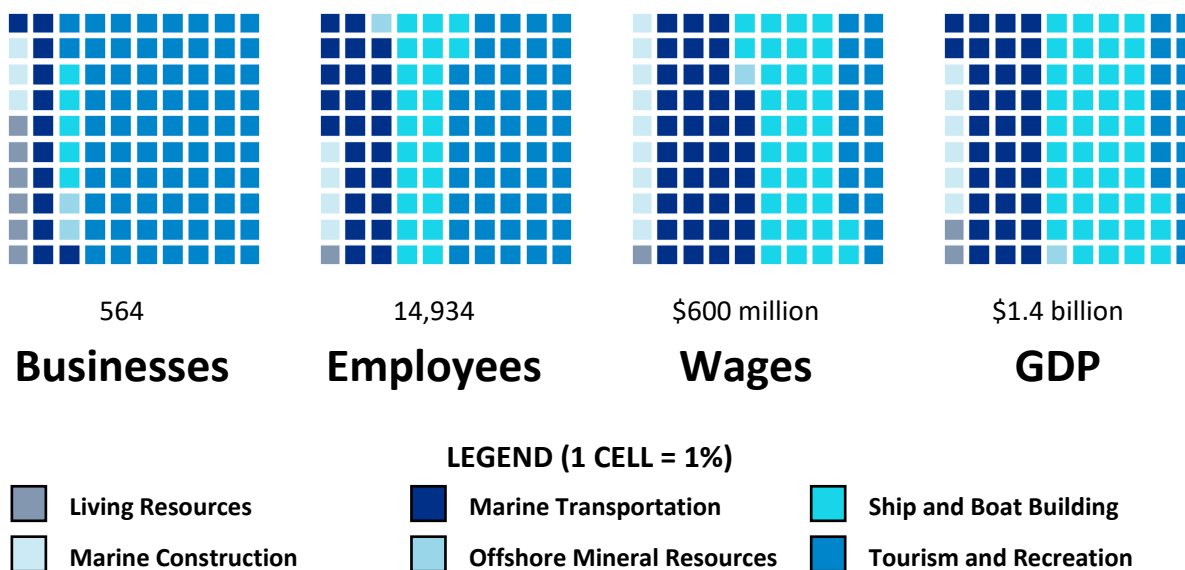
**Top County: Employment** Porter County, Indiana, is home to **28%** of marine jobs in Indiana

**Top County: GDP** Porter County, Indiana, produces **14%** of the marine economy's gross domestic product in Indiana

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# Indiana's Marine Economy



## A Decade of Change (2009-2019)

13%



### Businesses

Indiana had an increase of 65 marine businesses, which was an increase of 13% over the past decade.

20%



### Employees

Indiana had an increase of 2,510 marine jobs, an increase of 20% over the past decade.

31%



### Average Wages

On average, an employee working in Indiana's marine economy made \$40,174 in 2019, compared to an average wage of \$30,630 in 2009. The marine economy average wage in Indiana had an increase of 31%.

50%



### Gross Domestic Product

The value of Indiana's marine economy had an increase of 50% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Louisiana

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Louisiana's Marine Economy in 2019

**4,437**

**Businesses**

**108,231**

**Employees**

**\$5.7 billion**

**Wages**

**\$14.2 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **49%** of the state's marine economy

**Largest GDP Sector:** Offshore mineral resources produces **49%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Louisiana is **\$52,507**, which is higher than the state average (**\$49,286**). Offshore mineral resources has the highest average wage per employee at **\$112,825**.

**National Ranking:** Louisiana is ranked **10** out of **30** coastal states for marine employment, and **6** out of **30** coastal states for GDP

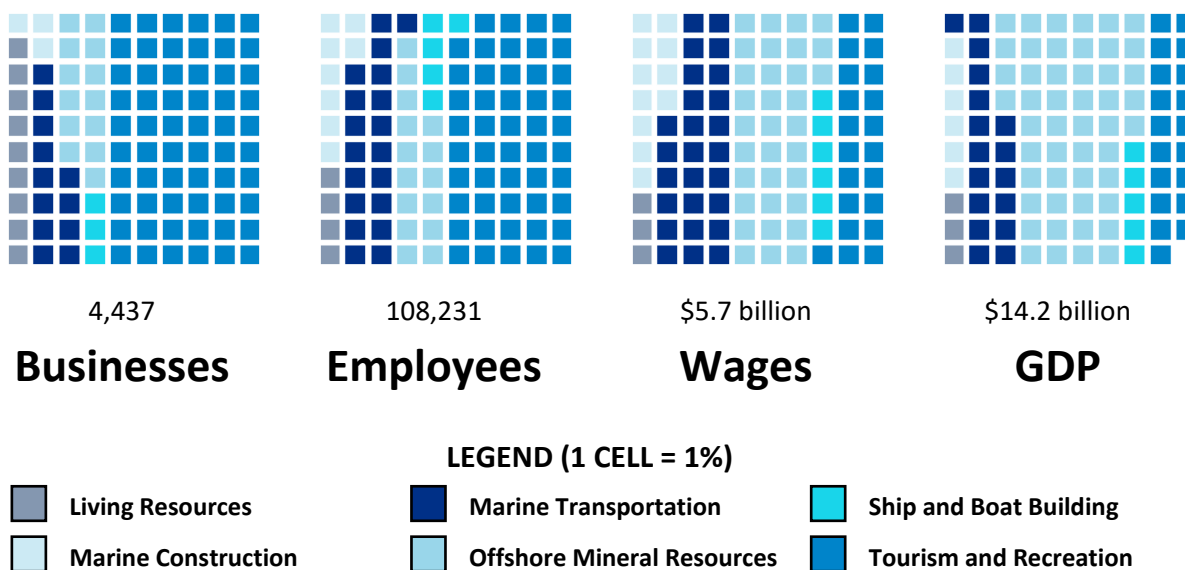
**Top County: Employment** Orleans Parish, Louisiana, is home to **30%** of marine jobs in Louisiana

**Top County: GDP** Orleans Parish, Louisiana, produces **27%** of the marine economy's gross domestic product in Louisiana

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# Louisiana's Marine Economy



## A Decade of Change (2009-2019)

10%



### Businesses

Louisiana had an increase of 391 marine businesses, which was an increase of 10% over the past decade.

2%



### Employees

Louisiana had an increase of 1,955 marine jobs, an increase of 2% over the past decade.

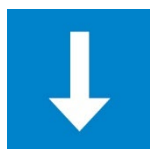
9%



### Average Wages

On average, an employee working in Louisiana's marine economy made \$52,507 in 2019, compared to an average wage of \$48,364 in 2009. The marine economy average wage in Louisiana had an increase of 9%.

-10%



### Gross Domestic Product

The value of Louisiana's marine economy had a decrease of 10% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Maine

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Maine's Marine Economy in 2019

<b>3,523</b>	<b>53,589</b>	<b>\$2.1 billion</b>	<b>\$3.5 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **63%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **57%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Maine is **\$39,344**, which is lower than the state average (**\$47,188**). Ship and boat building has the highest average wage per employee at **\$70,657**.

**National Ranking:** Maine is ranked **18** out of **30** coastal states for marine employment, and **19** out of **30** coastal states for GDP

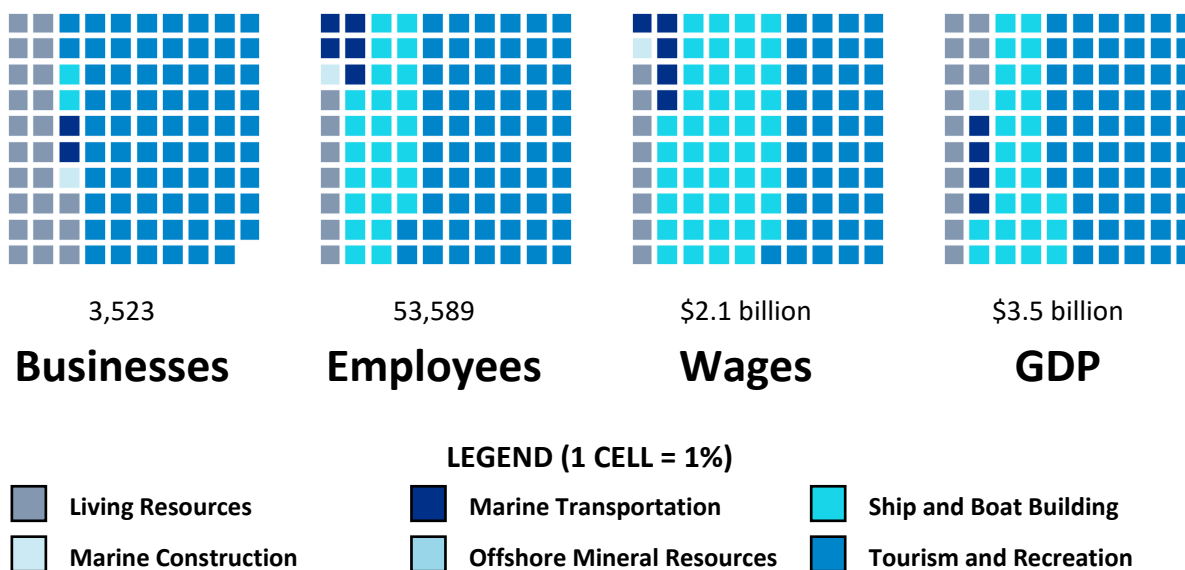
**Top County: Employment** Cumberland County, Maine, is home to **35%** of marine jobs in Maine

**Top County: GDP** Cumberland County, Maine, produces **31%** of the marine economy's gross domestic product in Maine

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Maine's Marine Economy



## A Decade of Change (2009-2019)

**28%**



### Businesses

Maine had an increase of 768 marine businesses, which was an increase of 28% over the past decade.

**26%**



### Employees

Maine had an increase of 11,025 marine jobs, an increase of 26% over the past decade.

**25%**



### Average Wages

On average, an employee working in Maine's marine economy made \$39,344 in 2019, compared to an average wage of \$31,408 in 2009. The marine economy average wage in Maine had an increase of 25%.

**41%**



### Gross Domestic Product

The value of Maine's marine economy had an increase of 41% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



## 2022 Marine Economy Report

# Maryland

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Maryland's Marine Economy in 2019

<b>4,890</b>	<b>111,491</b>	<b>\$4.5 billion</b>	<b>\$9.1 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **64%** of the state's marine economy

**Largest GDP Sector:** Marine transportation produces **51%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Maryland is **\$40,393**, which is lower than the state average (**\$62,976**). Marine transportation has the highest average wage per employee at **\$72,058**.

**National Ranking:** Maryland is ranked **9** out of **30** coastal states for marine employment, and **10** out of **30** coastal states for GDP

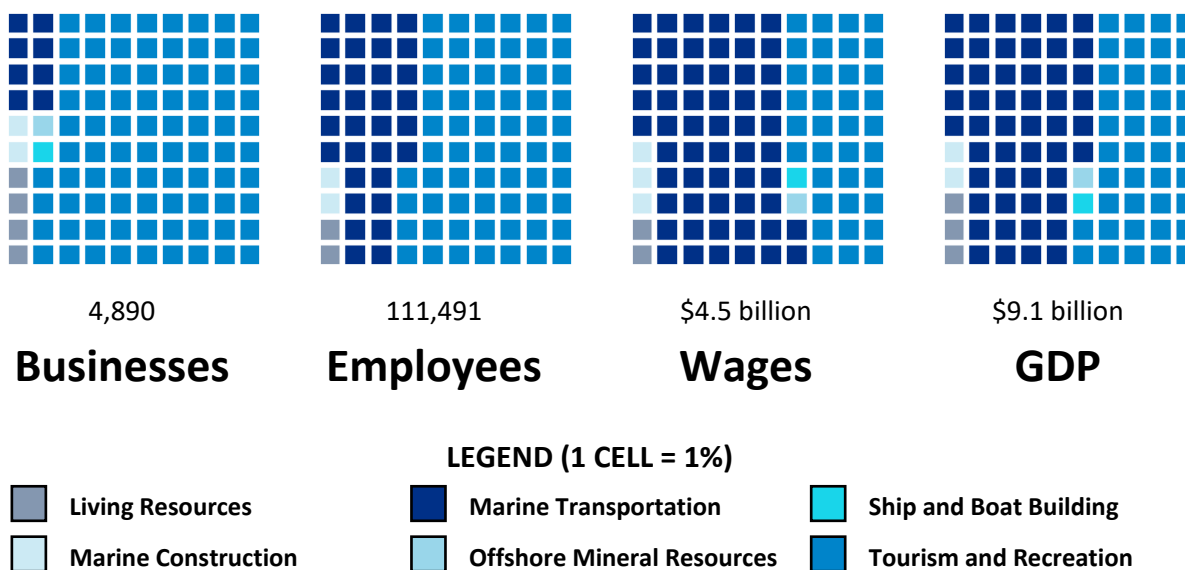
**Top County: Employment** Anne Arundel County, Maryland, is home to **28%** of marine jobs in Maryland

**Top County: GDP** Anne Arundel County, Maryland, produces **38%** of the marine economy's gross domestic product in Maryland

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# Maryland's Marine Economy



## A Decade of Change (2009-2019)

10%



### Businesses

Maryland had an increase of 457 marine businesses, which was an increase of 10% over the past decade.

32%



### Employees

Maryland had an increase of 26,861 marine jobs, an increase of 32% over the past decade.

21%



### Average Wages

On average, an employee working in Maryland's marine economy made \$40,393 in 2019, compared to an average wage of \$33,360 in 2009. The marine economy average wage in Maryland had an increase of 21%.

48%



### Gross Domestic Product

The value of Maryland's marine economy had an increase of 48% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Massachusetts

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Massachusetts' Marine Economy in 2019

<b>5,984</b>	<b>100,067</b>	<b>\$3.9 billion</b>	<b>\$8.2 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **80%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **60%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Massachusetts is **\$39,269**, which is lower than the state average (**\$75,404**). Marine construction has the highest average wage per employee at **\$94,590**.

**National Ranking:** Massachusetts is ranked **11** out of **30** coastal states for marine employment, and **12** out of **30** coastal states for GDP

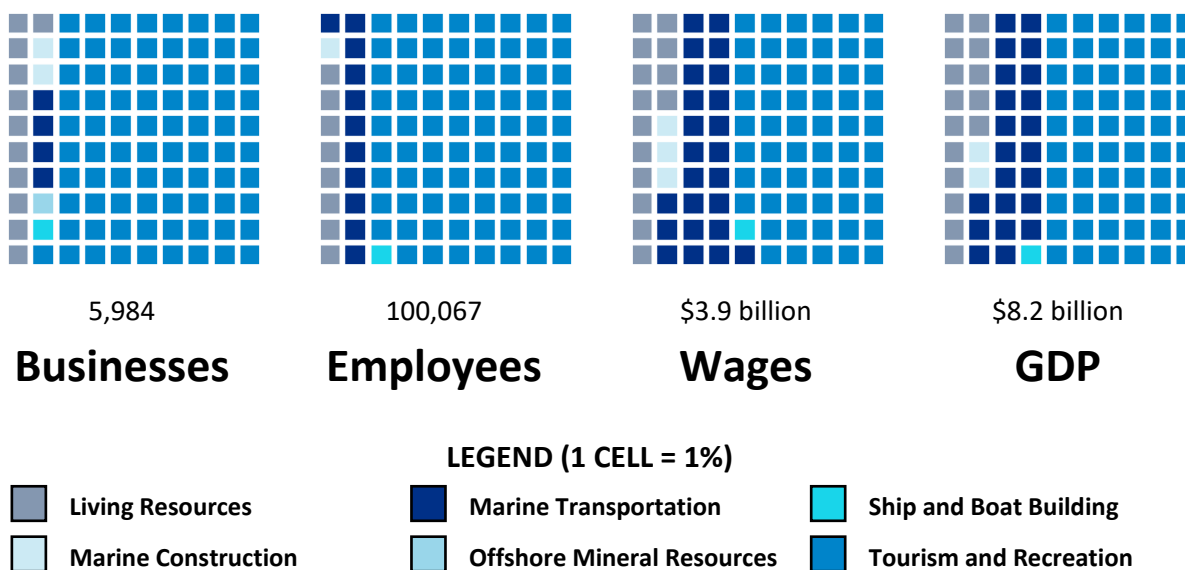
**Top County: Employment** Suffolk County, Massachusetts, is home to **24%** of marine jobs in Massachusetts

**Top County: GDP** Suffolk County, Massachusetts, produces **24%** of the marine economy's gross domestic product in Massachusetts

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# Massachusetts' Marine Economy



## A Decade of Change (2009-2019)

16%



### Businesses

Massachusetts had an increase of 829 marine businesses, which was an increase of 16% over the past decade.

27%



### Employees

Massachusetts had an increase of 20,971 marine jobs, an increase of 27% over the past decade.

23%



### Average Wages

On average, an employee working in Massachusetts' marine economy made \$39,269 in 2019, compared to an average wage of \$32,022 in 2009. The marine economy average wage in Massachusetts had an increase of 23%.

38%



### Gross Domestic Product

The value of Massachusetts' marine economy had an increase of 38% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Michigan

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Michigan's Marine Economy in 2019

<b>4,367</b>	<b>76,673</b>	<b>\$2.0 billion</b>	<b>\$3.5 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **76%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **59%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Michigan is **\$26,275**, which is lower than the state average (**\$54,972**). Marine construction has the highest average wage per employee at **\$78,592**.

**National Ranking:** Michigan is ranked **14** out of **30** coastal states for marine employment, and **18** out of **30** coastal states for GDP

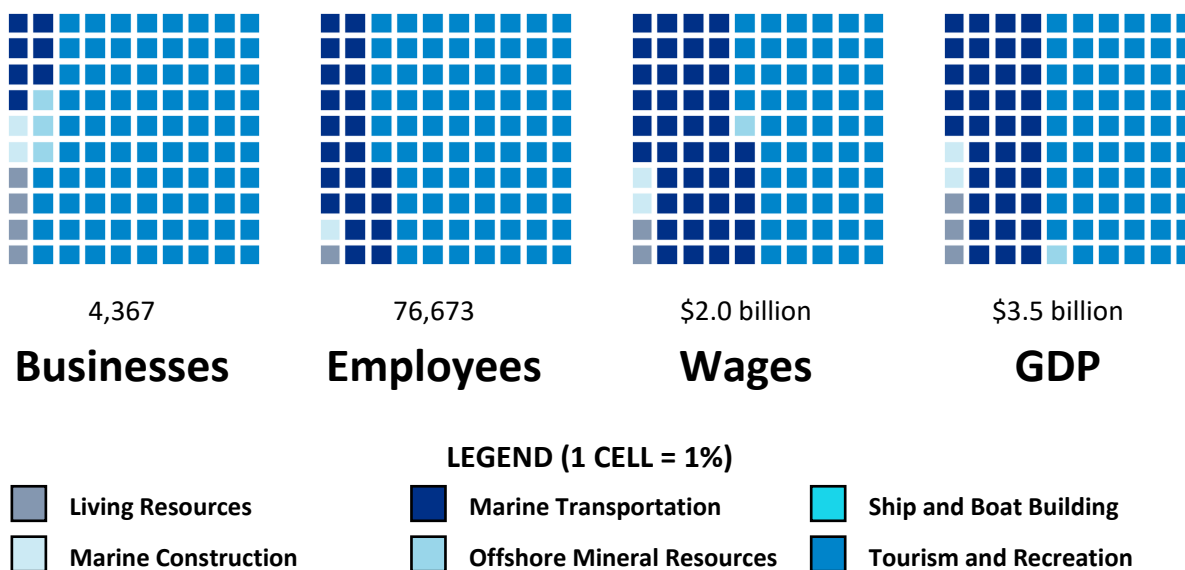
**Top County: Employment** Wayne County, Michigan, is home to **32%** of marine jobs in Michigan

**Top County: GDP** Wayne County, Michigan, produces **34%** of the marine economy's gross domestic product in Michigan

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# Michigan's Marine Economy



## A Decade of Change (2009-2019)

9%



### Businesses

Michigan had an increase of 360 marine businesses, which was an increase of 9% over the past decade.

40%



### Employees

Michigan had an increase of 21,851 marine jobs, an increase of 40% over the past decade.

19%



### Average Wages

On average, an employee working in Michigan's marine economy made \$26,275 in 2019, compared to an average wage of \$22,021 in 2009. The marine economy average wage in Michigan had an increase of 19%.

30%



### Gross Domestic Product

The value of Michigan's marine economy had an increase of 30% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Minnesota

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Minnesota's Marine Economy in 2019

<b>495</b>	<b>13,330</b>	<b>\$577 million</b>	<b>\$1.6 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **56%** of the state's marine economy

**Largest GDP Sector:** Marine transportation produces **58%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Minnesota is **\$43,310**, which is lower than the state average (**\$59,630**). Marine transportation has the highest average wage per employee at **\$89,077**.

**National Ranking:** Minnesota is ranked **30** out of **30** coastal states for marine employment, and **28** out of **30** coastal states for GDP

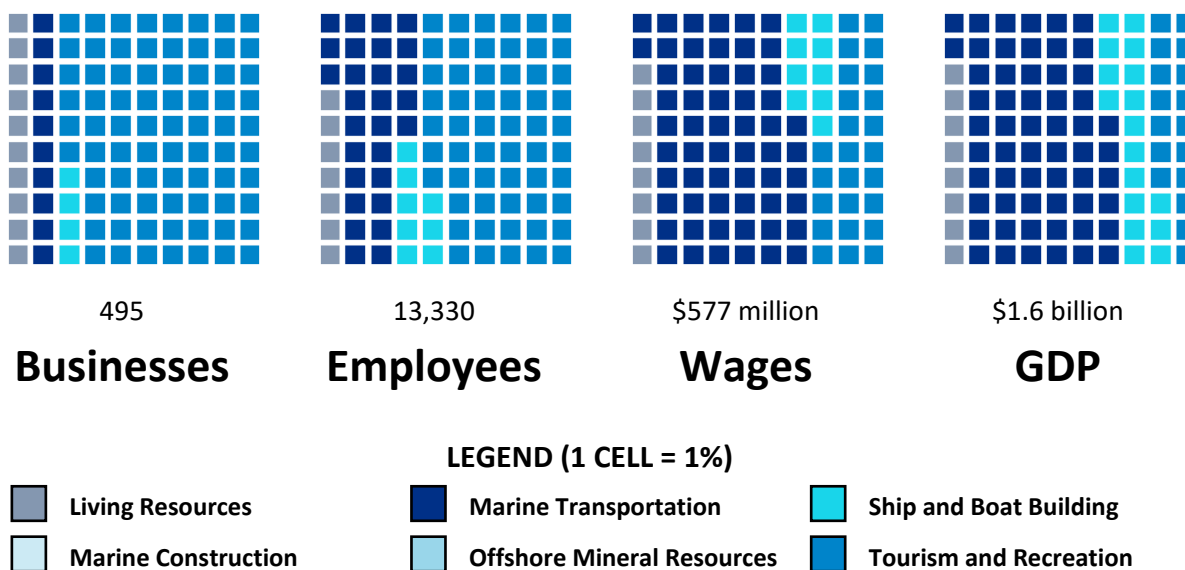
**Top County: Employment** Saint Louis County, Minnesota, is home to **49%** of marine jobs in Minnesota

**Top County: GDP** Saint Louis County, Minnesota, produces **31%** of the marine economy's gross domestic product in Minnesota

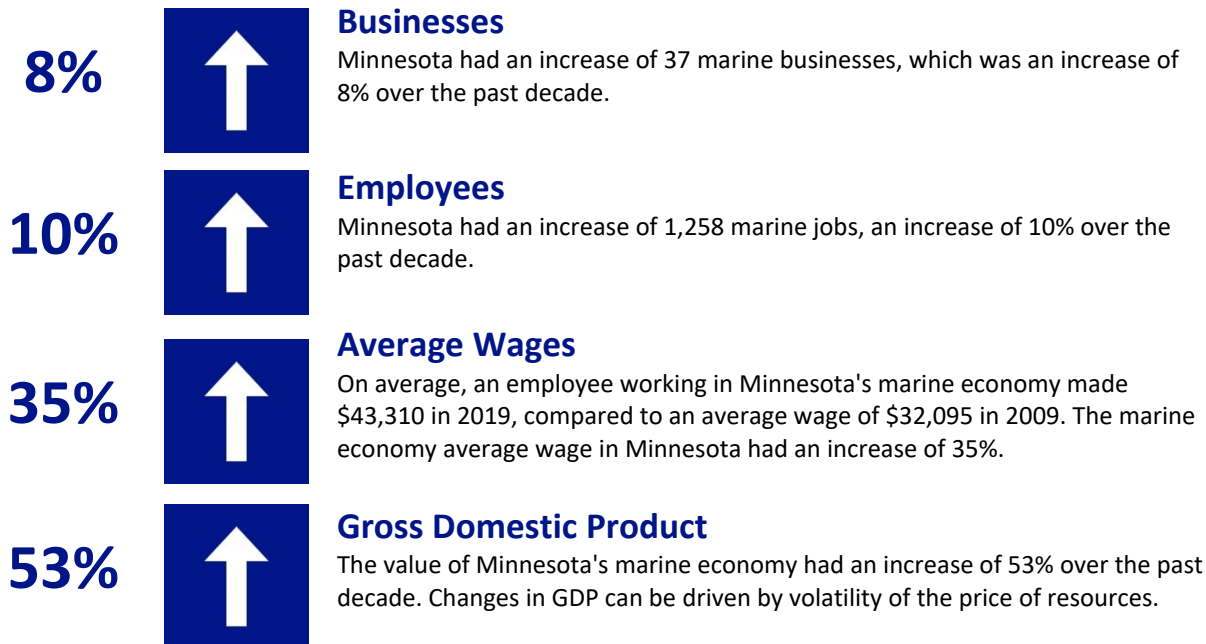
This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. The employment and gross domestic product statistics are derived from the Bureau of Labor Statistics' Quarterly Census of Employment and Wages data (accessed in September 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Minnesota's Marine Economy



## A Decade of Change (2009-2019)





## 2022 Marine Economy Report

# Mississippi

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Mississippi's Marine Economy in 2019

<b>1,137</b>	<b>33,905</b>	<b>\$1.3 billion</b>	<b>\$2.4 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **49%** of the state's marine economy

**Largest GDP Sector:** Ship and boat building produces **55%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Mississippi is **\$38,842**, which is lower than the state average (**\$40,687**). Ship and boat building has the highest average wage per employee at **\$67,141**.

**National Ranking:** Mississippi is ranked **24** out of **30** coastal states for marine employment, and **24** out of **30** coastal states for GDP

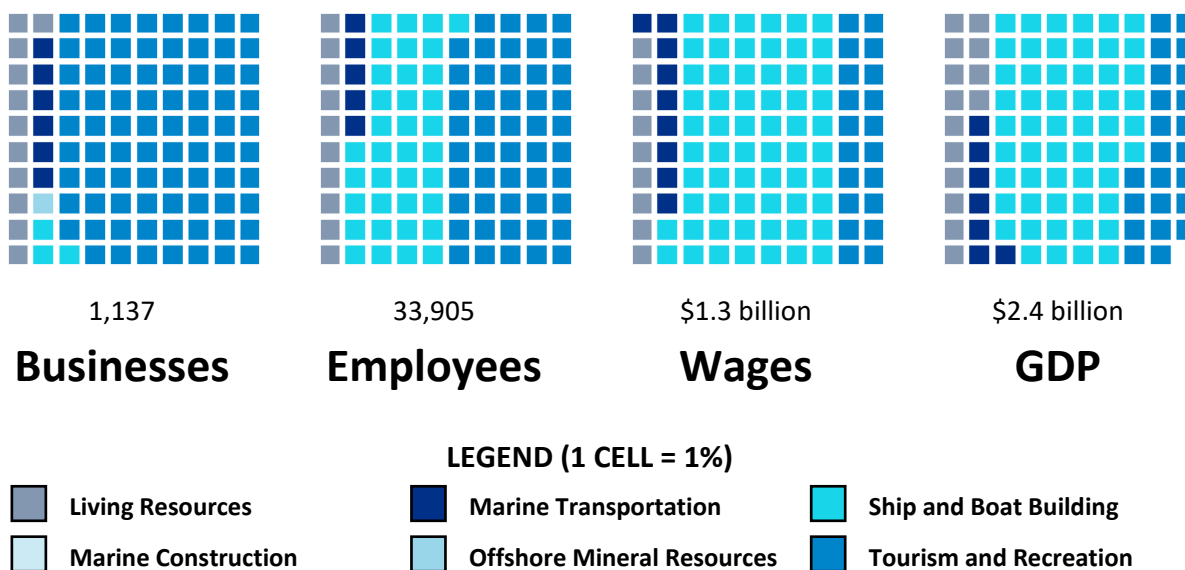
**Top County: Employment** Jackson County, Mississippi, is home to **47%** of marine jobs in Mississippi

**Top County: GDP** Jackson County, Mississippi, produces **61%** of the marine economy's gross domestic product in Mississippi

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# Mississippi's Marine Economy



## A Decade of Change (2009-2019)

11%



### Businesses

Mississippi had an increase of 113 marine businesses, which was an increase of 11% over the past decade.

3%



### Employees

Mississippi had an increase of 921 marine jobs, an increase of 3% over the past decade.

4%



### Average Wages

On average, an employee working in Mississippi's marine economy made \$38,842 in 2019, compared to an average wage of \$37,192 in 2009. The marine economy average wage in Mississippi had an increase of 4%.

11%



### Gross Domestic Product

The value of Mississippi's marine economy had an increase of 11% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# New Hampshire

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### New Hampshire's Marine Economy in 2019

<b>619</b>	<b>17,486</b>	<b>\$1.1 billion</b>	<b>\$2.1 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Marine transportation employs **51%** of the state's marine economy

**Largest GDP Sector:** Marine transportation produces **73%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in New Hampshire is **\$65,522**, which is higher than the state average (**\$58,671**). Marine transportation has the highest average wage per employee at **\$104,958**.

**National Ranking:** New Hampshire is ranked **28** out of **30** coastal states for marine employment, and **26** out of **30** coastal states for GDP

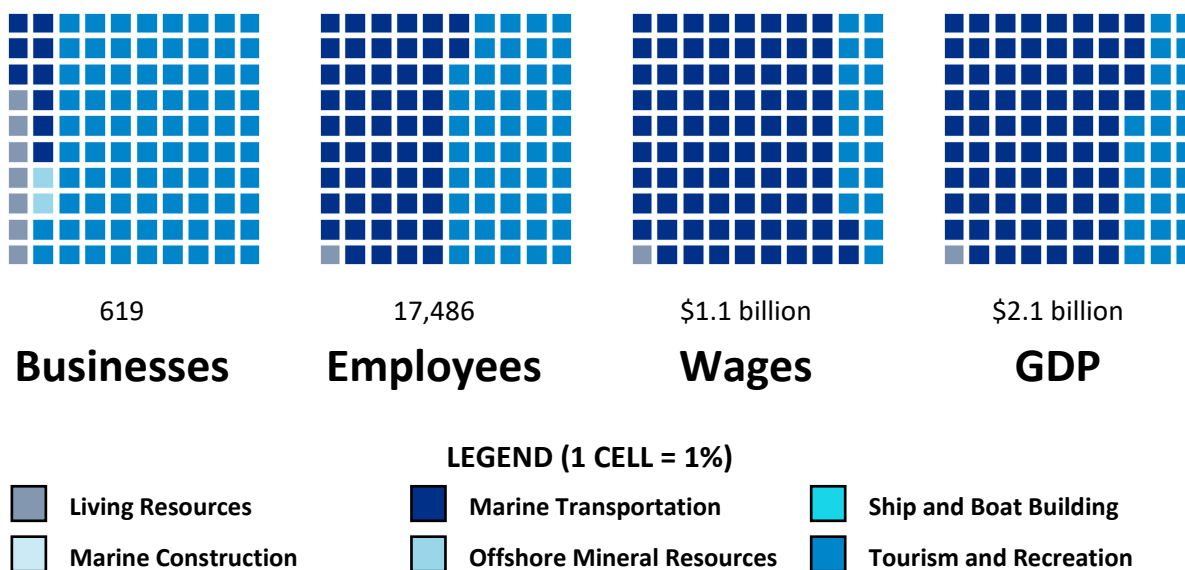
**Top County: Employment** Rockingham County, New Hampshire, is home to **58%** of marine jobs in New Hampshire

**Top County: GDP** Rockingham County, New Hampshire, produces **34%** of the marine economy's gross domestic product in New Hampshire

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# New Hampshire's Marine Economy



## A Decade of Change (2009-2019)

**16%**



### Businesses

New Hampshire had an increase of 87 marine businesses, which was an increase of 16% over the past decade.

**136%**



### Employees

New Hampshire had an increase of 10,067 marine jobs, an increase of 136% over the past decade.

**210%**



### Average Wages

On average, an employee working in New Hampshire's marine economy made \$65,522 in 2019, compared to an average wage of \$21,138 in 2009. The marine economy average wage in New Hampshire had an increase of 210%.

**570%**



### Gross Domestic Product

The value of New Hampshire's marine economy had an increase of 570% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# New Jersey

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### New Jersey's Marine Economy in 2019

<b>9,349</b>	<b>169,656</b>	<b>\$6.7 billion</b>	<b>\$11.9 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **58%** of the state's marine economy

**Largest GDP Sector:** Marine transportation produces **52%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in New Jersey is **\$39,428**, which is lower than the state average (**\$67,364**). Marine construction has the highest average wage per employee at **\$94,459**.

**National Ranking:** New Jersey is ranked **5** out of **30** coastal states for marine employment, and **7** out of **30** coastal states for GDP

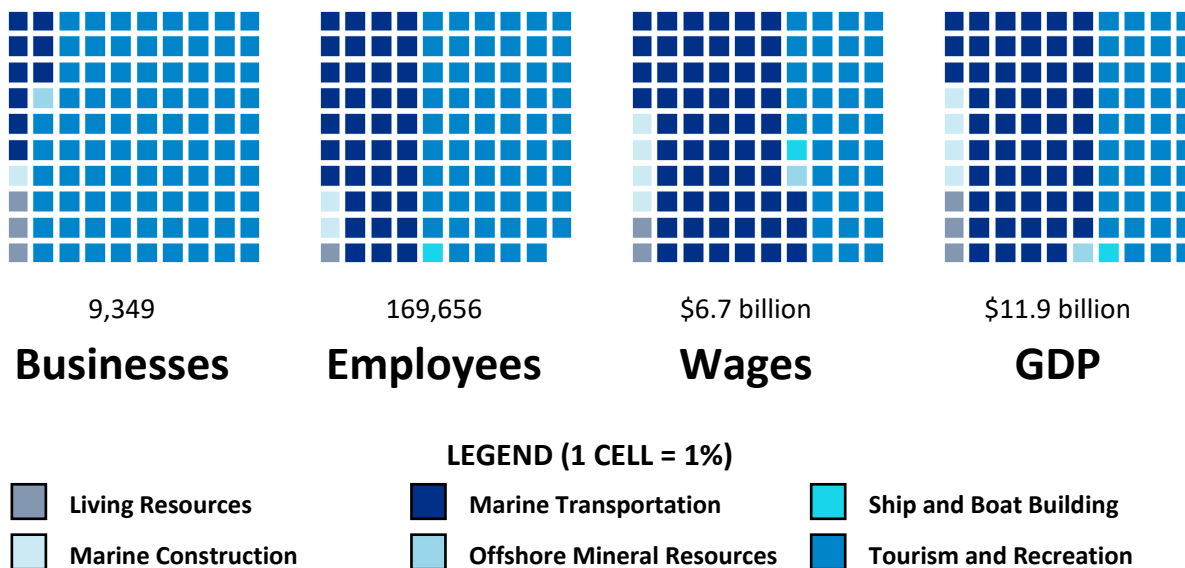
**Top County: Employment** Hudson County, New Jersey, is home to **13%** of marine jobs in New Jersey

**Top County: GDP** Burlington County, New Jersey, produces **13%** of the marine economy's gross domestic product in New Jersey

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# New Jersey's Marine Economy



## A Decade of Change (2009-2019)

12%



### Businesses

New Jersey had an increase of 993 marine businesses, which was an increase of 12% over the past decade.

41%



### Employees

New Jersey had an increase of 49,092 marine jobs, an increase of 41% over the past decade.

15%



### Average Wages

On average, an employee working in New Jersey's marine economy made \$39,428 in 2019, compared to an average wage of \$34,391 in 2009. The marine economy average wage in New Jersey had an increase of 15%.

33%



### Gross Domestic Product

The value of New Jersey's marine economy had an increase of 33% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# New York

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### New York's Marine Economy in 2019

**24,020**

**Businesses**

**398,515**

**Employees**

**\$16.1 billion**

**Wages**

**\$35.1 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **91%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **87%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in New York is **\$40,427**, which is lower than the state average (**\$75,365**). Marine construction has the highest average wage per employee at **\$103,054**.

**National Ranking:** New York is ranked **3** out of **30** coastal states for marine employment, and **4** out of **30** coastal states for GDP

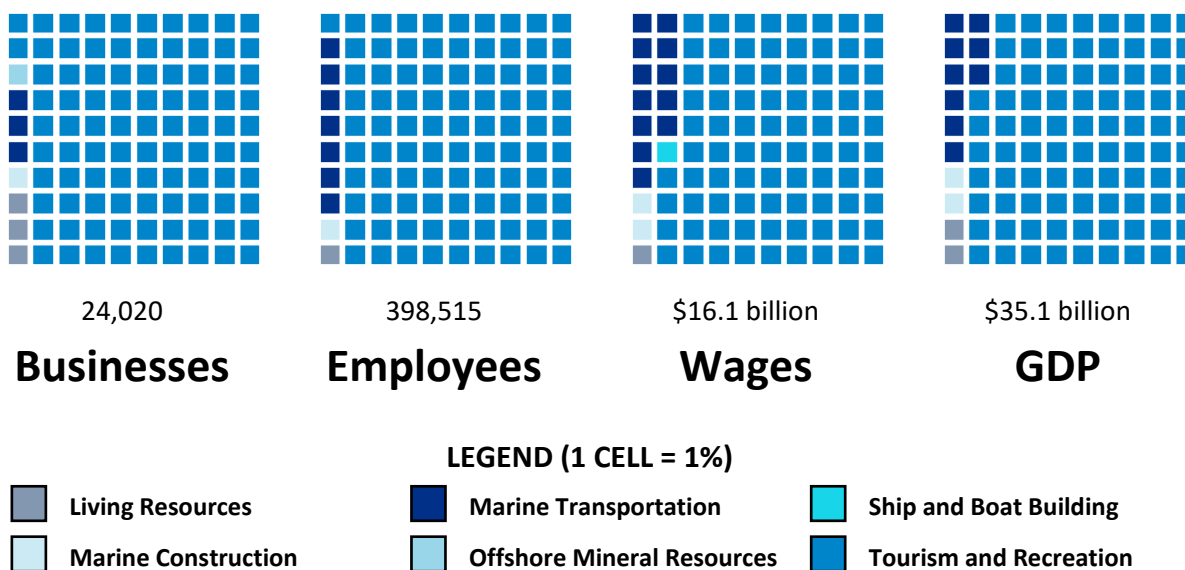
**Top County: Employment** New York County, New York, is home to **55%** of marine jobs in New York

**Top County: GDP** New York County, New York, produces **67%** of the marine economy's gross domestic product in New York

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# New York's Marine Economy



## A Decade of Change (2009-2019)

**37%**



### Businesses

New York had an increase of 6,518 marine businesses, which was an increase of 37% over the past decade.

**48%**



### Employees

New York had an increase of 128,469 marine jobs, an increase of 48% over the past decade.

**26%**



### Average Wages

On average, an employee working in New York's marine economy made \$40,427 in 2019, compared to an average wage of \$31,978 in 2009. The marine economy average wage in New York had an increase of 26%.

**48%**



### Gross Domestic Product

The value of New York's marine economy had an increase of 48% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



## 2022 Marine Economy Report

# North Carolina

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### North Carolina's Marine Economy in 2019

<b>3,291</b>	<b>51,198</b>	<b>\$1.1 billion</b>	<b>\$3.3 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **86%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **54%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in North Carolina is **\$21,897**, which is lower than the state average (**\$52,379**). Marine construction has the highest average wage per employee at **\$53,075**.

**National Ranking:** North Carolina is ranked **19** out of **30** coastal states for marine employment, and **20** out of **30** coastal states for GDP

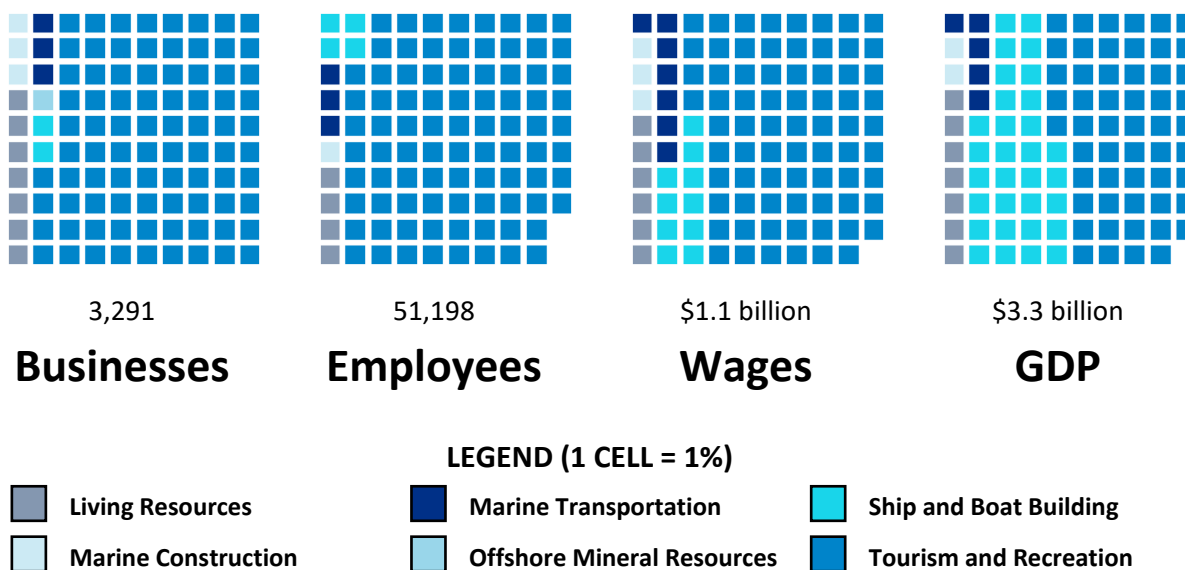
**Top County: Employment** New Hanover County, North Carolina, is home to **28%** of marine jobs in North Carolina

**Top County: GDP** New Hanover County, North Carolina, produces **18%** of the marine economy's gross domestic product in North Carolina

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# North Carolina's Marine Economy



## A Decade of Change (2009-2019)

41%



### Businesses

North Carolina had an increase of 952 marine businesses, which was an increase of 41% over the past decade.

38%



### Employees

North Carolina had an increase of 14,051 marine jobs, an increase of 38% over the past decade.

15%



### Average Wages

On average, an employee working in North Carolina's marine economy made \$21,897 in 2019, compared to an average wage of \$18,995 in 2009. The marine economy average wage in North Carolina had an increase of 15%.

60%



### Gross Domestic Product

The value of North Carolina's marine economy had an increase of 60% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

# 2022 Marine Economy Report

## Ohio

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

### The Big Picture

#### Ohio's Marine Economy in 2019

<b>2,755</b>	<b>57,728</b>	<b>\$1.6 billion</b>	<b>\$3.5 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

### The Details

**Largest Employment Sector:** Tourism and recreation employs 75% of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces 52% of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Ohio is \$28,024, which is lower than the state average (\$52,125). Offshore mineral resources has the highest average wage per employee at \$66,670.

**National Ranking:** Ohio is ranked 16 out of 30 coastal states for marine employment, and 17 out of 30 coastal states for GDP

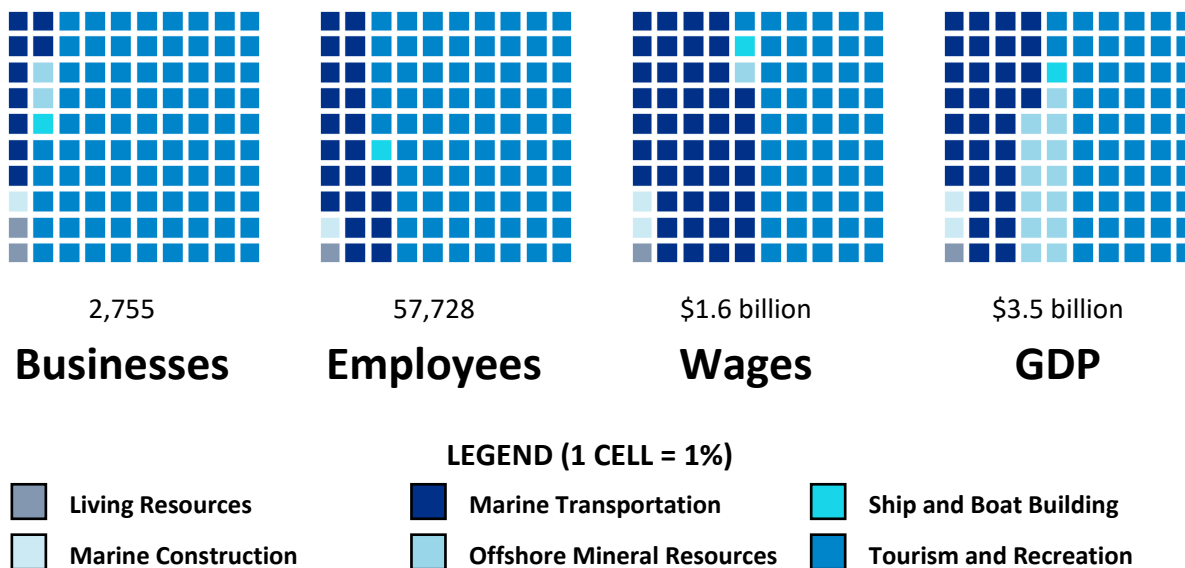
**Top County: Employment** Cuyahoga County, Ohio, is home to 39% of marine jobs in Ohio

**Top County: GDP** Cuyahoga County, Ohio, produces 49% of the marine economy's gross domestic product in Ohio

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# Ohio's Marine Economy



## A Decade of Change (2009-2019)

**32%**



### Businesses

Ohio had an increase of 668 marine businesses, which was an increase of 32% over the past decade.

**42%**



### Employees

Ohio had an increase of 17,141 marine jobs, an increase of 42% over the past decade.

**31%**



### Average Wages

On average, an employee working in Ohio's marine economy made \$28,024 in 2019, compared to an average wage of \$21,389 in 2009. The marine economy average wage in Ohio had an increase of 31%.

**104%**



### Gross Domestic Product

The value of Ohio's marine economy had an increase of 104% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Oregon

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Oregon's Marine Economy in 2019

<b>2,469</b>	<b>43,175</b>	<b>\$1.6 billion</b>	<b>\$3.1 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **65%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **46%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Oregon is **\$36,356**, which is lower than the state average (**\$55,023**). Ship and boat building has the highest average wage per employee at **\$78,803**.

**National Ranking:** Oregon is ranked **23** out of **30** coastal states for marine employment, and **22** out of **30** coastal states for GDP

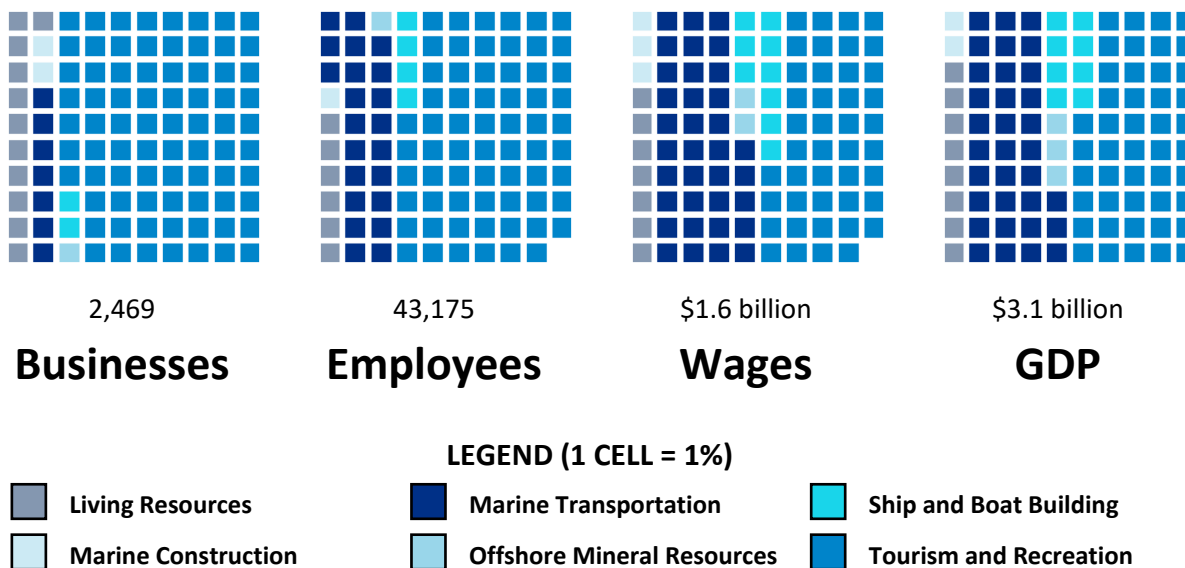
**Top County: Employment** Multnomah County, Oregon, is home to **48%** of marine jobs in Oregon

**Top County: GDP** Multnomah County, Oregon, produces **43%** of the marine economy's gross domestic product in Oregon

This report is based on 2019 Economics: National Ocean Watch (ENOW) data, produced by NOAA's Office for Coastal Management in 2022. 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 2021) and the Bureau of Economic Analysis' gross domestic product by state data (released in July 2021). For more information, visit [coast.noaa.gov/digitalcoast/data/enow.html](https://coast.noaa.gov/digitalcoast/data/enow.html).



# Oregon's Marine Economy



## A Decade of Change (2009-2019)

9%



### Businesses

Oregon had an increase of 201 marine businesses, which was an increase of 9% over the past decade.

39%



### Employees

Oregon had an increase of 12,107 marine jobs, an increase of 39% over the past decade.

32%



### Average Wages

On average, an employee working in Oregon's marine economy made \$36,356 in 2019, compared to an average wage of \$27,550 in 2009. The marine economy average wage in Oregon had an increase of 32%.

49%



### Gross Domestic Product

The value of Oregon's marine economy had an increase of 49% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Pennsylvania

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Pennsylvania's Marine Economy in 2019

<b>2,955</b>	<b>56,872</b>	<b>\$1.9 billion</b>	<b>\$3.9 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **78%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **66%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Pennsylvania is **\$33,263**, which is lower than the state average (**\$57,497**). Offshore mineral resources has the highest average wage per employee at **\$76,276**.

**National Ranking:** Pennsylvania is ranked **17** out of **30** coastal states for marine employment, and **16** out of **30** coastal states for GDP

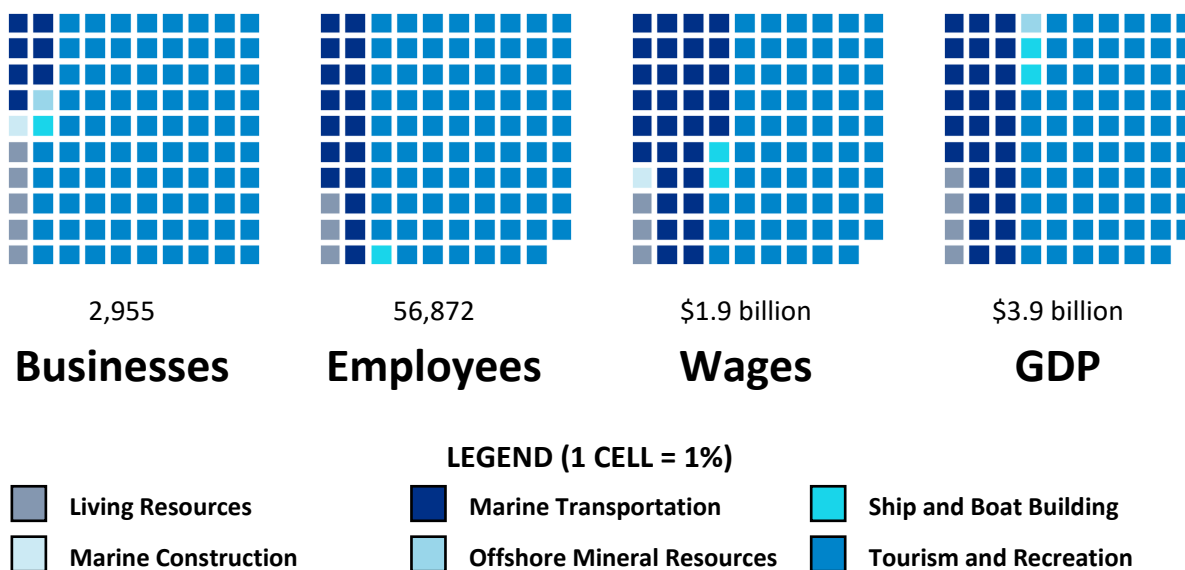
**Top County: Employment** Philadelphia County, Pennsylvania, is home to **79%** of marine jobs in Pennsylvania

**Top County: GDP** Philadelphia County, Pennsylvania, produces **72%** of the marine economy's gross domestic product in Pennsylvania

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# Pennsylvania's Marine Economy



## A Decade of Change (2009-2019)

35%



### Businesses

Pennsylvania had an increase of 759 marine businesses, which was an increase of 35% over the past decade.

40%



### Employees

Pennsylvania had an increase of 16,258 marine jobs, an increase of 40% over the past decade.

17%



### Average Wages

On average, an employee working in Pennsylvania's marine economy made \$33,263 in 2019, compared to an average wage of \$28,507 in 2009. The marine economy average wage in Pennsylvania had an increase of 17%.

33%



### Gross Domestic Product

The value of Pennsylvania's marine economy had an increase of 33% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



## 2022 Marine Economy Report

# Rhode Island

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Rhode Island's Marine Economy in 2019

<b>2,452</b>	<b>45,898</b>	<b>\$1.5 billion</b>	<b>\$3.3 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **81%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **59%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Rhode Island is **\$31,806**, which is lower than the state average (**\$54,918**). Marine construction has the highest average wage per employee at **\$79,112**.

**National Ranking:** Rhode Island is ranked **22** out of **30** coastal states for marine employment, and **21** out of **30** coastal states for GDP

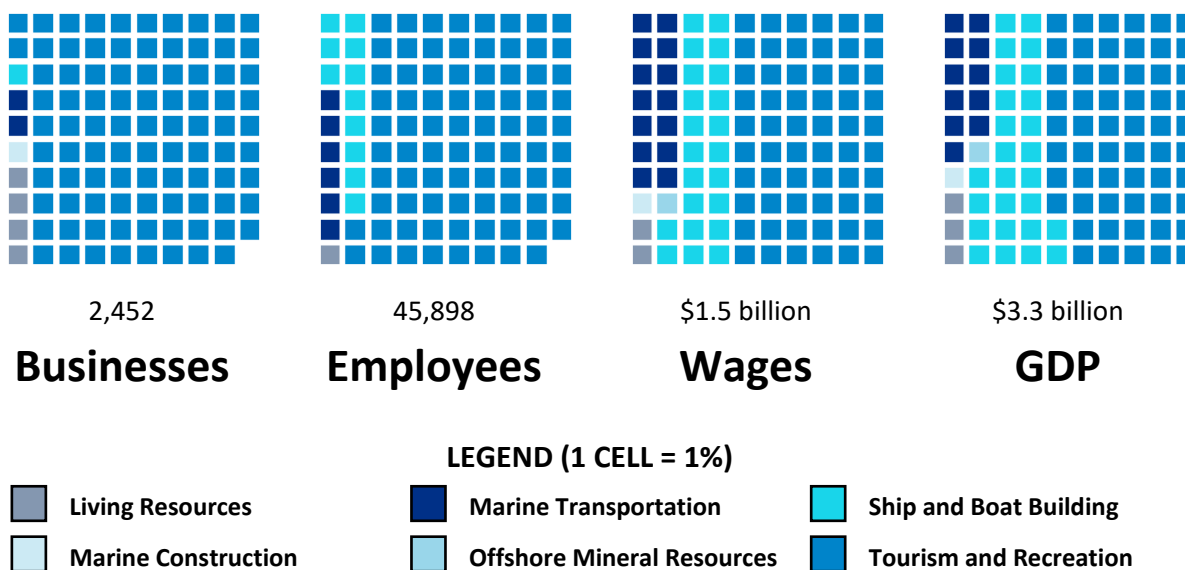
**Top County: Employment** Providence County, Rhode Island, is home to **36%** of marine jobs in Rhode Island

**Top County: GDP** Washington County, Rhode Island, produces **36%** of the marine economy's gross domestic product in Rhode Island

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# Rhode Island's Marine Economy



## A Decade of Change (2009-2019)

6%



### Businesses

Rhode Island had an increase of 145 marine businesses, which was an increase of 6% over the past decade.

22%



### Employees

Rhode Island had an increase of 8,313 marine jobs, an increase of 22% over the past decade.

31%



### Average Wages

On average, an employee working in Rhode Island's marine economy made \$31,806 in 2019, compared to an average wage of \$24,338 in 2009. The marine economy average wage in Rhode Island had an increase of 31%.

41%



### Gross Domestic Product

The value of Rhode Island's marine economy had an increase of 41% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# South Carolina

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### South Carolina's Marine Economy in 2019

<b>3,732</b>	<b>87,051</b>	<b>\$2.3 billion</b>	<b>\$5.7 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **88%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **82%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in South Carolina is **\$26,086**, which is lower than the state average (**\$46,383**). Marine construction has the highest average wage per employee at **\$69,519**.

**National Ranking:** South Carolina is ranked **12** out of **30** coastal states for marine employment, and **14** out of **30** coastal states for GDP

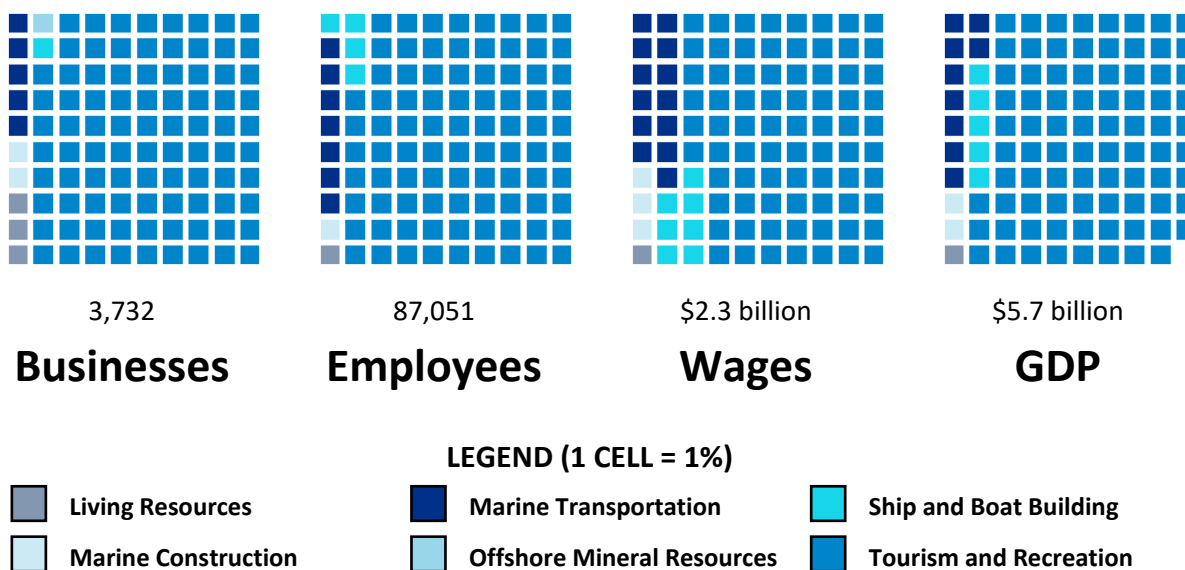
**Top County: Employment** Charleston County, South Carolina, is home to **41%** of marine jobs in South Carolina

**Top County: GDP** Charleston County, South Carolina, produces **43%** of the marine economy's gross domestic product in South Carolina

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# South Carolina's Marine Economy



## A Decade of Change (2009-2019)

**28%**



### Businesses

South Carolina had an increase of 819 marine businesses, which was an increase of 28% over the past decade.

**40%**



### Employees

South Carolina had an increase of 24,940 marine jobs, an increase of 40% over the past decade.

**35%**



### Average Wages

On average, an employee working in South Carolina's marine economy made \$26,086 in 2019, compared to an average wage of \$19,382 in 2009. The marine economy average wage in South Carolina had an increase of 35%.

**58%**



### Gross Domestic Product

The value of South Carolina's marine economy had an increase of 58% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Texas

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Texas' Marine Economy in 2019

<b>6,063</b>	<b>177,889</b>	<b>\$18.6 billion</b>	<b>\$81.3 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Offshore mineral resources employs **44%** of the state's marine economy

**Largest GDP Sector:** Offshore mineral resources produces **90%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Texas is **\$104,738**, which is higher than the state average (**\$59,794**). Offshore mineral resources has the highest average wage per employee at **\$183,717**.

**National Ranking:** Texas is ranked **4** out of **30** coastal states for marine employment, and **1** out of **30** coastal states for GDP

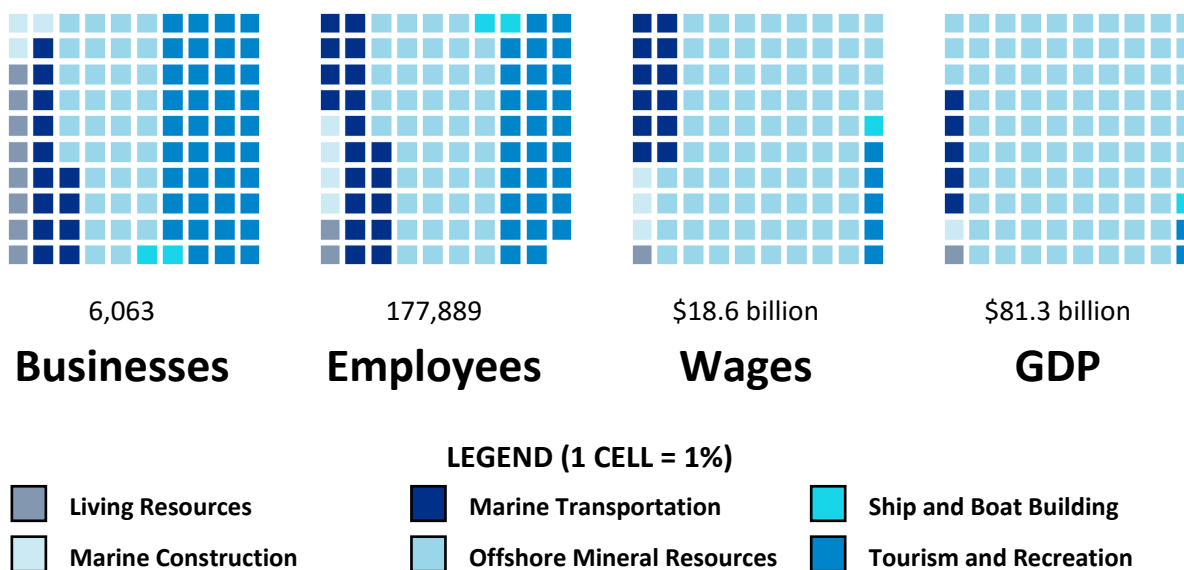
**Top County: Employment** Harris County, Texas, is home to **59%** of marine jobs in Texas

**Top County: GDP** Harris County, Texas, produces **89%** of the marine economy's gross domestic product in Texas

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# Texas' Marine Economy



## A Decade of Change (2009-2019)

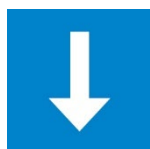
10%



### Businesses

Texas had an increase of 574 marine businesses, which was an increase of 10% over the past decade.

-1%



### Employees

Texas had a decrease of 897 marine jobs, a decrease of 1% over the past decade.

11%



### Average Wages

On average, an employee working in Texas' marine economy made \$104,738 in 2019, compared to an average wage of \$94,125 in 2009. The marine economy average wage in Texas had an increase of 11%.

55%



### Gross Domestic Product

The value of Texas' marine economy had an increase of 55% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Virginia

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Virginia's Marine Economy in 2019

**4,143**

**Businesses**

**132,101**

**Employees**

**\$6.1 billion**

**Wages**

**\$10.3 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **49%** of the state's marine economy

**Largest GDP Sector:** Ship and boat building produces **41%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Virginia is **\$46,179**, which is lower than the state average (**\$60,200**). Marine construction has the highest average wage per employee at **\$78,029**.

**National Ranking:** Virginia is ranked **7** out of **30** coastal states for marine employment, and **9** out of **30** coastal states for GDP

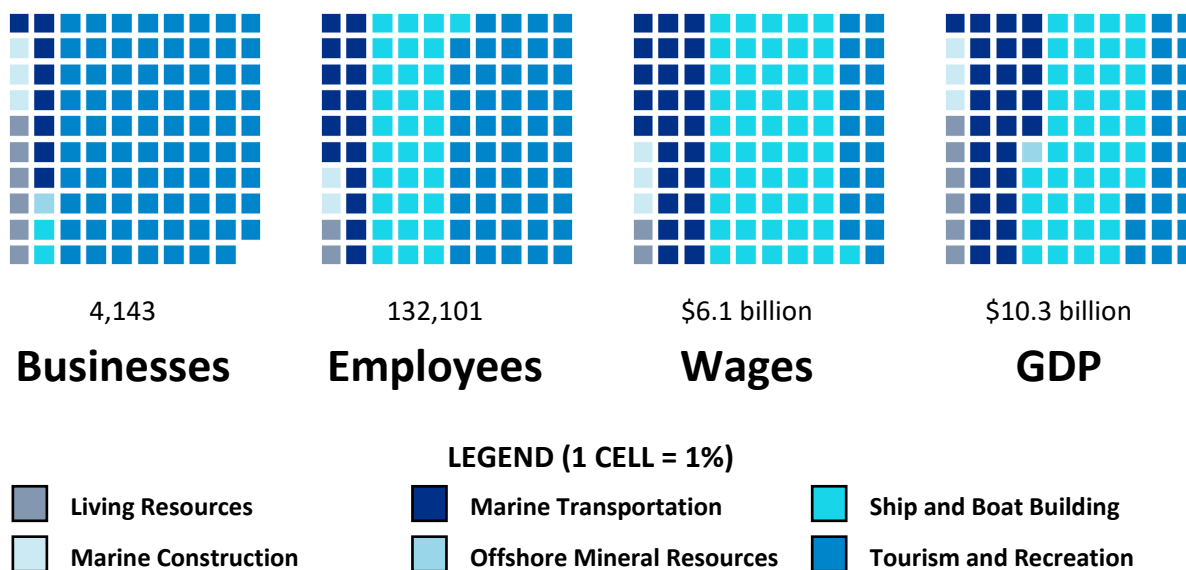
**Top County: Employment** City of Virginia Beach, Virginia, is home to **18%** of marine jobs in Virginia

**Top County: GDP** City of Norfolk, Virginia, produces **15%** of the marine economy's gross domestic product in Virginia

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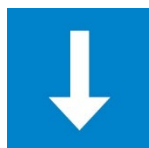


# Virginia's Marine Economy



## A Decade of Change (2009-2019)

**-5%**



### Businesses

Virginia had a decrease of 228 marine businesses, which was a decrease of 5% over the past decade.

**13%**



### Employees

Virginia had an increase of 15,395 marine jobs, an increase of 13% over the past decade.

**28%**



### Average Wages

On average, an employee working in Virginia's marine economy made \$46,179 in 2019, compared to an average wage of \$36,165 in 2009. The marine economy average wage in Virginia had an increase of 28%.

**13%**



### Gross Domestic Product

The value of Virginia's marine economy had an increase of 13% over the past decade. Changes in GDP can be driven by volatility of the price of resources.



## 2022 Marine Economy Report

# Washington State

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Washington State's Marine Economy in 2019

**6,834**

**Businesses**

**143,029**

**Employees**

**\$6.8 billion**

**Wages**

**\$15.7 billion**

**GDP**

## The Details

**Largest Employment Sector:** Tourism and recreation employs **60%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **39%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Washington State is **\$47,761**, which is lower than the state average (**\$69,593**). Marine construction has the highest average wage per employee at **\$101,592**.

**National Ranking:** Washington State is ranked **6** out of **30** coastal states for marine employment, and **5** out of **30** coastal states for GDP

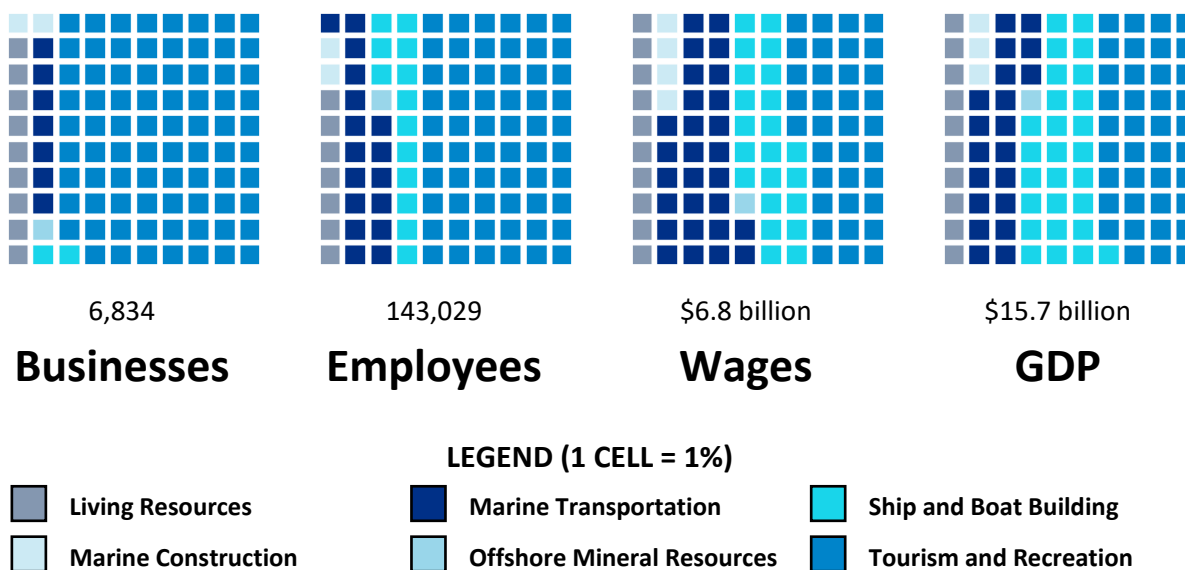
**Top County: Employment** King County, Washington, is home to **39%** of marine jobs in Washington State

**Top County: GDP** King County, Washington, produces **42%** of the marine economy's gross domestic product in Washington State

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# Washington State's Marine Economy



## A Decade of Change (2009-2019)

8%



### Businesses

Washington State had an increase of 509 marine businesses, which was an increase of 8% over the past decade.

25%



### Employees

Washington State had an increase of 28,742 marine jobs, an increase of 25% over the past decade.

28%



### Average Wages

On average, an employee working in Washington State's marine economy made \$47,761 in 2019, compared to an average wage of \$37,205 in 2009. The marine economy average wage in Washington State had an increase of 28%.

27%



### Gross Domestic Product

The value of Washington State's marine economy had an increase of 27% over the past decade. Changes in GDP can be driven by volatility of the price of resources.

## 2022 Marine Economy Report

# Wisconsin

The marine economy is defined as those businesses whose existence depends on the oceans or Great Lakes. The economic data found here helps leaders better understand trends and consider the needs of these businesses when making decisions about the future of the coast. Six sectors make up the marine economy: marine construction, offshore mineral extraction, tourism and recreation, living resources, ship and boat building, and marine transportation.

## The Big Picture

### Wisconsin's Marine Economy in 2019

<b>2,269</b>	<b>48,877</b>	<b>\$1.2 billion</b>	<b>\$2.7 billion</b>
<b>Businesses</b>	<b>Employees</b>	<b>Wages</b>	<b>GDP</b>

## The Details

**Largest Employment Sector:** Tourism and recreation employs **74%** of the state's marine economy

**Largest GDP Sector:** Tourism and recreation produces **51%** of the total gross domestic product (GDP) derived from the state's marine economy

**High Earners:** The average wage of marine economy employees in Wisconsin is **\$24,346**, which is lower than the state average (**\$50,413**). Marine construction has the highest average wage per employee at **\$81,111**.

**National Ranking:** Wisconsin is ranked **20** out of **30** coastal states for marine employment, and **23** out of **30** coastal states for GDP

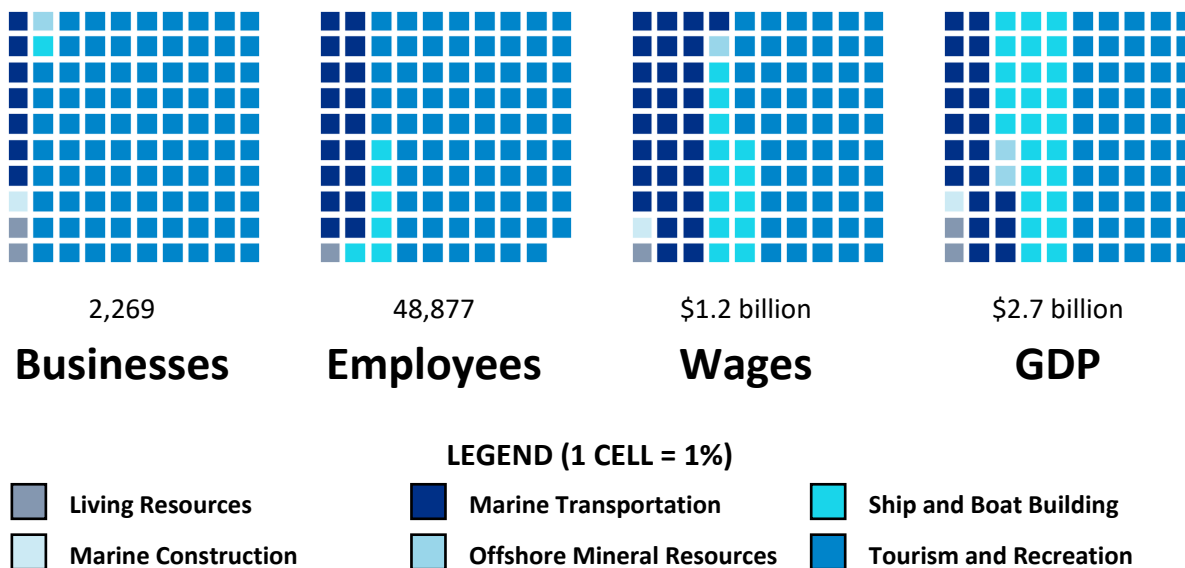
**Top County: Employment** Milwaukee County, Wisconsin, is home to **33%** of marine jobs in Wisconsin

**Top County: GDP** Milwaukee County, Wisconsin, produces **27%** of the marine economy's gross domestic product in Wisconsin

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# Wisconsin's Marine Economy



## A Decade of Change (2009-2019)

16%



### Businesses

Wisconsin had an increase of 312 marine businesses, which was an increase of 16% over the past decade.

25%



### Employees

Wisconsin had an increase of 9,708 marine jobs, an increase of 25% over the past decade.

5%



### Average Wages

On average, an employee working in Wisconsin's marine economy made \$24,346 in 2019, compared to an average wage of \$23,119 in 2009. The marine economy average wage in Wisconsin had an increase of 5%.

27%



### Gross Domestic Product

The value of Wisconsin's marine economy had an increase of 27% over the past decade. Changes in GDP can be driven by volatility of the price of resources.