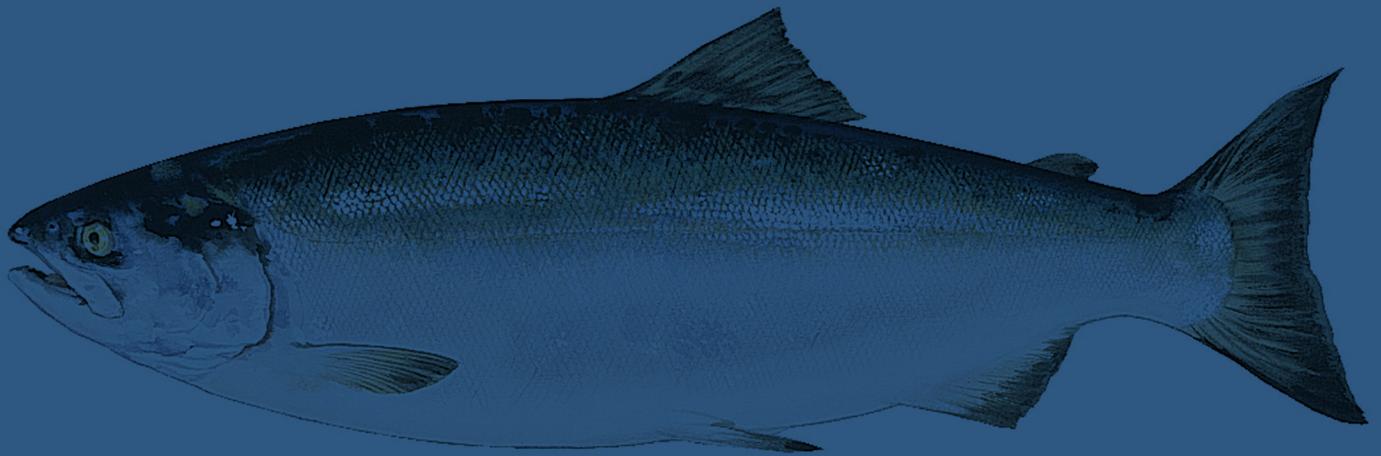


THE ECONOMIC BENEFITS OF BRISTOL BAY SALMON



PREPARED FOR:

 **BRISTOL BAY DEFENSE FUND**

FEBRUARY 2021

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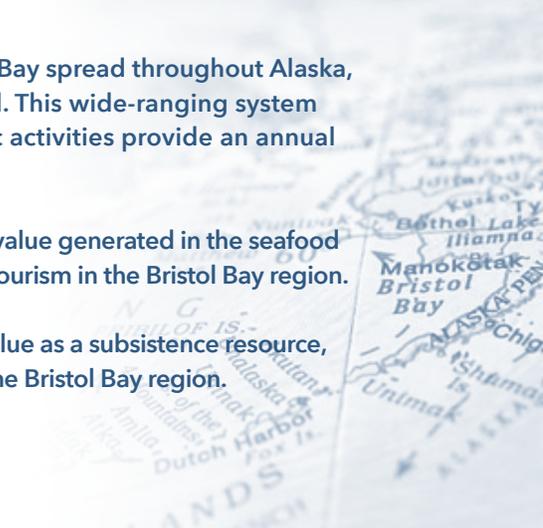
THE ECONOMIC BENEFITS OF BRISTOL BAY SALMON



ALL COMBINED, BRISTOL BAY SALMON DROVE ECONOMIC BENEFITS IN 2019 IN EXCESS OF

\$2.2 billion

- ▶ Economic benefits initiated in Bristol Bay spread throughout Alaska, to the Pacific Northwest, and beyond. This wide-ranging system and associated dependent economic activities provide an annual recurring value to participants.
- ▶ As outlined in this report, this includes value generated in the seafood industry and through salmon-focused tourism in the Bristol Bay region.
- ▶ Salmon also provides immeasurable value as a subsistence resource, sustaining the people and cultures of the Bristol Bay region.

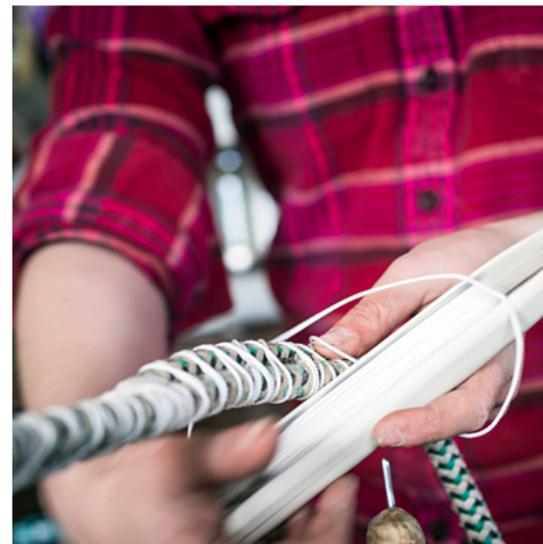


The Region and its People

The Bristol Bay region of Alaska encompasses **27.5 million acres of land** and **12 million acres of marine ecosystem**.

The region is home to more than half a dozen major river systems, with **hundreds of salmon-supporting lakes, rivers, and streams** that drain to a large, shallow saltwater expanse in the southeastern corner of the Bering Sea known as Bristol Bay.

There are approximately **7,000 residents in the region**, including indigenous Yup'ik, Denai'na, Unangan, and Alutiiq peoples who comprise about two-thirds of the Bristol Bay population.





SUBSISTENCE

The Economic Benefits of Bristol Bay Salmon
February 2021

The subsistence salmon harvest is critical to the health and well-being of communities in the region, to individual and community identities, and to cultural connectedness and continuity.

- ▶ Subsistence is the **oldest and most continuous** use of Bristol Bay salmon, dating back thousands of years.
- ▶ Participation in harvesting, sharing, and consumption of subsistence foods **provides essential and high-quality nutrition**, supports physical and mental health, and **strengthens and maintains community and cultural connectedness**.

 **116,300**
salmon

Alaskans' harvest of salmon in Bristol Bay's 2017 subsistence fishery, the most recent year for which complete data are available.

 **503,900**
pounds

Estimated pounds of usable fish.

 **\$5-\$10**
million

Replacement value for Alaska households.

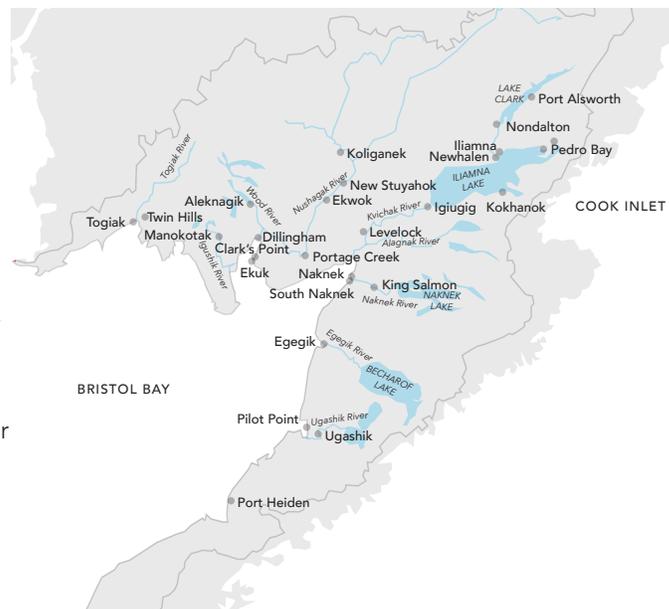
Subsistence salmon harvests provide a significant amount of food, while perpetuating traditional values and knowledge. In many places in Bristol Bay it would not be economically or logistically possible to replace the quality and quantity of protein subsistence salmon provides.

Salmon hold outsized importance as a subsistence resource in the region.

- ▶ **Half to three-quarters** of the Bristol Bay harvest, by pounds of usable food, is comprised of salmon – about twice the proportion of salmon in statewide subsistence harvests.

The Bristol Bay subsistence salmon fishery is a statewide resource.

- ▶ More than **750 regional residents** – representing a roughly equivalent number of households – reported subsistence harvest.
- ▶ Alaskans from outside the region harvested about **16%** of the Bristol Bay subsistence salmon catch in 2017. Reporting shows that half these residents were from Anchorage, and the remainder from 26 communities spread across the state.
- ▶ Overall, **29% of the state's subsistence sockeye harvest** was caught in the Bristol Bay region.



Impact of Bristol Bay salmon fishery within the United States

\$2.0 billion

TOTAL OUTPUT

\$830 million

LABOR INCOME

15,000

TOTAL EMPLOYMENT
(ANNUALIZED)

Approximately **8,500 harvesters** are directly employed in the Bristol Bay fishery each year:

2,000

residents of the
Bristol Bay region

2,500

Alaska residents

4,000

residents of other U.S. states



Commercial Harvest of Bristol Bay Salmon,
2015-2019 annual average

218 million pounds

COMMERCIAL HARVEST

\$263 million

VALUE TO HARVESTERS
The peak value, in 2019, was
\$372 million.



Processors employed **6,000 workers** in Bristol Bay in 2019 to transform the raw salmon harvested during the fishing season. Processing workers earned **\$49 million**.



Processed Product from Bristol Bay Salmon,
2015-2019 annual average

137 million pounds

PROCESSED PRODUCT

\$540 million

FIRST WHOLESALE VALUE
The peak value, in 2019, was nearly
\$710 million.

SEAFOOD INDUSTRY ALASKA AND PACIFIC NORTHWEST IMPACTS

The Economic Benefits of Bristol Bay Salmon
February 2021

\$990 million

TOTAL IMPACTS WITHIN ALASKA IN 2019

- ▶ Commercial fishing activity resulted in **\$294 million** in direct labor income.
- ▶ Processing activity generated **\$81 million** in direct labor income.

Alaska resident fishermen earned **\$151 million** from Bristol Bay salmon in 2019, including **\$50 million** earned by residents of Bristol Bay region communities.

Non-resident fishermen earned an additional **\$192 million** in 2019.

The Bristol Bay salmon run also is a significant component of the overall Alaska salmon resource. The commercial harvest of **45 million salmon was one-fifth of all salmon commercially harvested in Alaska** in 2019 and provided **more than half the ex-vessel value** from all salmon harvested in Alaska that year.



Impact of Bristol Bay salmon fishery within Alaska

\$990 million	TOTAL OUTPUT
\$375 million	LABOR INCOME
5,370	TOTAL EMPLOYMENT (ANNUALIZED)



In addition to fishermen and processing workers, Bristol Bay salmon supports thousands of skilled tradespeople and jobs in support sector businesses, both regionally and more broadly throughout the state and the nation. These jobs range from air service operators to diesel mechanics to net builders to expeditors.

Impact of Bristol Bay salmon fishery within the Pacific Northwest



\$800 million

INDIRECT AND INDUCED IMPACTS IN
THE PACIFIC NORTHWEST IN 2019

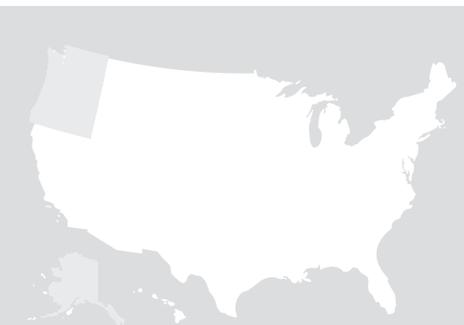
\$370 million

IN LABOR FROM SEAFOOD INDUSTRY

7,000

TOTAL EMPLOYMENT (ANNUALIZED)

The Pacific Northwest plays **a crucial role as a gateway** between the Alaska seafood industry and the rest of the world. The region boasts a wide range of port facilities, seafood processing infrastructure, and is home to many companies that manufacture and/or sell equipment to Alaska operations.



Impact of Bristol Bay salmon fishery in the balance of the nation

\$210 million	TOTAL OUTPUT
\$85 million	LABOR INCOME
1,930	TOTAL EMPLOYMENT (ANNUALIZED)

TOURISM INDUSTRY



Tourism in Bristol Bay generated **\$155 million** in economic output in Alaska in 2019.

This included more than **2,300 seasonal jobs** in Alaska and **\$67.9 million** in labor income.

>20,000
sportfishermen



estimated to have fished in Bristol Bay annually in the past five years.

This represents over **73,000 angler days** in the drainages of the Bristol Bay region.

Harvest by sportfishermen totals **46,000 salmon** annually over the last 10 years.

Roughly **90 lodges and camps** in Bristol Bay cater to tourists, with a primary focus on sportfishing and bear viewing.

- ▶ All told, the region can accommodate approximately **1,300 overnight guests** at a time, who pay an average **daily rate of \$1,125**.
- ▶ Estimated visitor spending by lodge and camp guests was **\$77 million** in 2019.
- ▶ Sportfishing lodges and camps generate the majority of tourism spending in the Bristol Bay region, with **most spending generated by non-resident fishermen**. Alaska residents also travel frequently to the region to fish.

Bear viewing is also an important salmon-dependent tourist activity in the region, with the bulk of visitors making day trips from Anchorage or other communities in the Cook Inlet region.

- ▶ An estimated **20,000 people** participated in bear viewing during trips to Katmai National Park and Lake Clark National Park and Preserve in 2019.
- ▶ Total spending on these visitor trips is estimated at **\$20 million**.



SUMMARY OF BENEFITS

The Economic Benefits of Bristol Bay Salmon
February 2021



Bristol Bay wild salmon are an abundant, perpetual resource that are a vitally important economic engine, the foundation of indigenous cultural systems, and play a critical role in the regional ecosystem.

- ▶ The sustainable, renewing resource generated more than **\$2.2 billion in value** in 2019, supporting tourism, seafood harvest and processing, and a host of support sector businesses.
- ▶ Bristol Bay salmon provide income, directly or through indirect and induced impacts, for more than **15,000 Americans**.
- ▶ Resource taken through subsistence harvest provides food and cultural sustenance for more than **700 households** in the Bristol Bay region.
- ▶ Bristol Bay salmon act as an ecological pump, **carrying rich marine nutrients** deep into regional watersheds where they feed a host of animals and biological processes.
- ▶ The nutritious seafood produced from Bristol Bay's sustainable harvest is enjoyed by consumers in dozens of countries, **distributing the benefit of this resource across the globe**.

These summary findings are drawn from a report published in February 2021, available at www.mckinleyresearch.com or by contacting the Bristol Bay Defense Fund at www.bristolbaydefensefund.com.



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