

WASHINGTON SEA GRANT

BY THE NUMBERS*

One of 33 Sea Grant programs across the nation funded through NOAA, Washington Sea Grant helps people and marine life thrive by providing research, outreach and education to support the responsible use and conservation of ocean and coastal ecosystems.

\$59 million

in economic benefit and services, providing more than double return on the federal investment

More than **625** jobs created or sustained

455,000

coastal residents, boaters, fishermen, shellfish growers, small business owners, natural resource managers, coastal planners and K-12 students reached

Nearly **65,000**

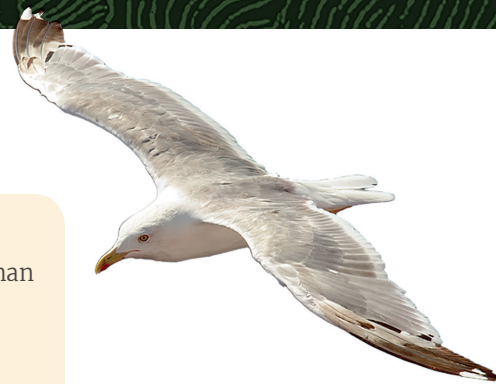
volunteer hours valued at \$2 million

700

partners from government, academic, industry and nongovernmental sectors

150

communities implemented sustainable development practices and policies

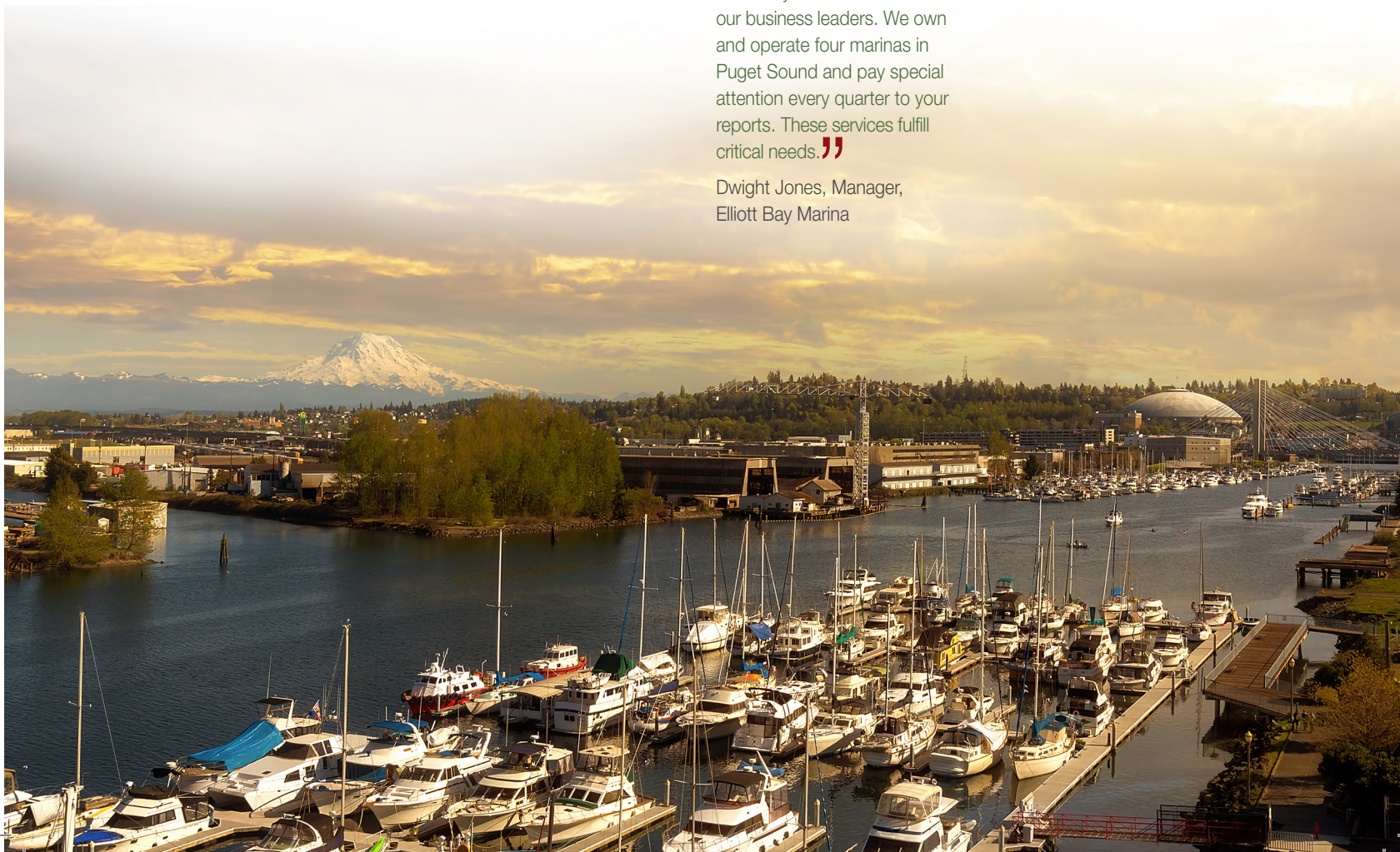


“ The Washington Sea Grant team has been instrumental in helping Metro Parks Tacoma forecast sea level rise, open a dialogue with the public around climate change, and incorporate the emerging scientific data into our planning and construction projects.”

Andrew Austin, City of Tacoma, Metro Parks Tacoma

“ I want to let you know how valuable your information is to our business leaders. We own and operate four marinas in Puget Sound and pay special attention every quarter to your reports. These services fulfill critical needs.”

Dwight Jones, Manager, Elliott Bay Marina



WASHINGTON SEA GRANT MILESTONES

PROTECTING LIVES AND PROPERTY

- ♦ **15** lives saved, attributed to lessons learned through sea safety training workshops
- ♦ **\$1.7 million** saved annually in reduced gear losses and boat repairs thanks to WSG-facilitated voluntary towboat lanes
- ♦ **1,200** fishermen trained in marine safety, rescue, first aid, weather and marine technology

SUPPORTING SUSTAINABLE FISHERIES AND AQUACULTURE

- ♦ An estimated **170,000** albatrosses and other seabirds saved in the 17 years since streamer lines were adopted in Alaska's **\$300 million** longline fisheries
- ♦ Washington's shellfish industry leads the U.S. in annual farmed bivalve sales of **\$150 million**, which directly benefits from WSG research and technical assistance

BUILDING COASTAL BUSINESSES AND SUSTAINING JOBS

- ♦ Sablefish aquaculture research produced over **8,000** market-size fish valued at **\$150,000** as an initial step to introducing sablefish aquaculture into the **\$17 million** international sablefish export market
- ♦ SoundToxins monitoring allowed Penn Cove Shellfish to quickly resume harvesting following a massive toxic event, resulting in **\$120,000** added income
- ♦ **430** commercial and tribal fishermen trained in fish-handling techniques, product safety and direct marketing, resulting in more than **\$380,000** in increased revenues
- ♦ **\$5.2 million** in funding secured with WSG assistance for pumpout services and marina operations and maintenance

RESPONDING TO ENVIRONMENTAL CHALLENGES

- ♦ **100%** of salmon deaths prevented in research tests of stormwater filtration systems now in use by road construction and landscaping industry
- ♦ **7,000-foot, \$400 million** Seattle seawall includes textured relief panels designed to improve marine habitat for migrating salmon and other sea life
- ♦ **35.4 million** gallons of sewage diverted to shoreside pumpout stations by boaters
- ♦ **58,500** volunteer trap hours since 2015, contributing to the early detection of invasive European green crab in Puget Sound

EDUCATING FUTURE OCEAN LEADERS

- ♦ **250** university students and fellows supported through research grants and five fellowship programs
- ♦ **37,000** K-12 students engaged in beach walks, school events, festivals and informal education programs

“ Science Camp educators made activities fun and my child really enjoyed interacting with the scientists. This camp is a perfect combination of kid fun and real science. In short – the best camp ever! ”

Parent, NOAA Science Camp


Sea Grant
Washington

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*Numbers are for 2104-2017 unless otherwise specified

