WASHINGTON SEA GRANT

BY THE NUMBERS*

One of 34 Sea Grant programs across the nation funded through NOAA, Washington Sea Grant helps people and marine life thrive by providing research, technical expertise and education supporting the responsible use and conservation of ocean and coastal ecosystems.

\$57 million

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

575 jobs created or sustained

435,000

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

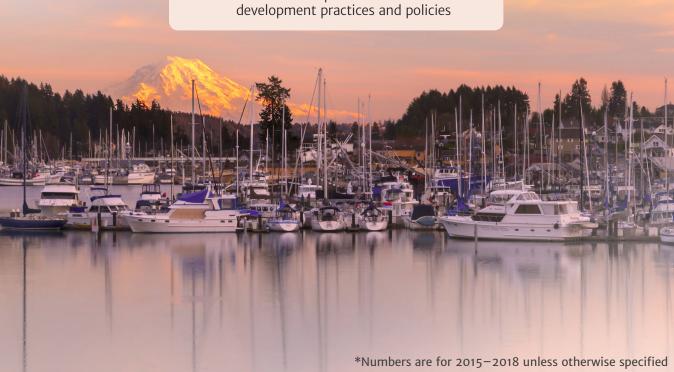
72,000 volunteer hours valued at \$2.2 million

700

partners from government, academic, industry and nongovernmental sectors

171 communities implemented sustainable development practices and policies "THANK YOU AGAIN FOR PROVIDING US THE BASIS FOR CURRENT AND FUTURE WATERFRONT PLANNING FOR COASTAL RESILIENCY. THIS HAS HELPED SET US ON A TRAJECTORY AS A CITY TAKING THE TOPIC [OF SEA LEVEL RISE] SERIOUSLY."

Marty Stump, Deputy Director, Planning & Development, Metro Parks Tacoma, Tacoma, Washington



WASHINGTON SEA GRANT RESEARCH AND OUTREACH MILESTONES

PROTECTING LIVES AND PROPERTY

- 15 lives saved attributed to lessons learned through Safety at Sea training workshops.
- \$1.7 million saved in reduced gear losses and boat repairs thanks to WSG-facilitated voluntary towboat lanes in 2018.
- **1,100** 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 18 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. When 95 percent of shellfish died on some farms, SoundToxins data identified shellfish-killing algal species concurrent with the mortalities, leading to further investigation of these species as a possible cause.
- Over 125 guests, including representatives from 13
 Pacific Northwest tribal nations, gathered in Oahu in
 2020 for a cross-Pacific regional collaborative effort led
 by WSG to advance sustainable Indigenous Aquaculture
 practices, including traditional fish ponds and clam gar dens.

BUILDING COASTAL BUSINESSES AND SUSTAINING JOBS

- Over **\$5 million** in funding secured with WSG assistance for pumpout services and marina operations and maintenance.
- Sablefish aquaculture research produced over 8,000 market-size fish weighing more than 40,000 pounds and valued at \$150,000 as an initial step to introducing sablefish aquaculture into the \$17 million international sablefish export market. A pilot project is underway to grow sablefish on a commercial scale.

RESPONDING TO ENVIRONMENTAL CHALLENGES

- A report shared localized sea level rise projections for 171 locations in Washington. In sea level rise workshops around Puget Sound, over 70 percent of attendees reported using the projections in planning and policymaking.
- Over 40 million gallons of sewage diverted to shoreside pumpout stations by boaters.
- Nearly 58,500 trap hours, contributing to the early detection of invasive European green crab in Puget Sound.

"The Port [of Friday Harbor] really appreciates Sea Grant spending time on our docks each season and everything you do for boaters and marinas in Puget Sound!" Tami Hayes, Harbormaster, Port of Friday Harbor, Friday Harbor, WA

EDUCATING FUTURE OCEAN LEADERS

- **230** university students and fellows supported through research grants and five fellowship programs.
- **36,000** K–12 students engaged in beach walks, school events, festivals and informal education programs.

"...This camp is a perfect combination of kid fun and real science. In short — the best camp ever!" Parent, NOAA Science Camp

FOR MORE

Washington Sea Grant College of the Environment University of Washington

3716 Brooklyn Ave. N.E Seattle, WA 98105-6716 206.543.6600

seagrant@uw.edu wsg.washington.edu WSG-AS 19-05 2-20

