



## Marine Energy at the Marine Sciences Laboratory

Located in Sequim Bay, Washington, PNNL's Marine Sciences Laboratory is a unique facility with 80 marine scientists and engineers delivering science and technology solutions for issues critical to the nation's energy, environmental, and security future. It is fully equipped with running seawater and a wastewater treatment plant.

The facilities provide support for software and sensor development, fieldwork, and analysis. Coastal vessels, a scientific dive team, oceanographic equipment, and measurement capabilities enable a wide range of investigations that support marine renewable energy development and environmental assessment.

PNNL is a national laboratory of the U.S. Department of Energy; our coastal sciences work is an important element in a wider portfolio of research and development funded by the Department of Energy's Wind and Water Power Program.

## EXPERTISE

- » Environmental technology development
- » Support for testing sensors, software, and devices
- » Collation and dissemination of environmental information
- » Resource characterization modeling
- » Current, wave, and biofuel expertise

## KEY TOPICS

- » Risk assessment
- » Collision between animals and devices
- » Noise effects
- » Electromagnetic fields
- » Understanding interactions and improving environmental monitoring

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