Facilities for Discovery & Solutions

Judd Gregg Marine Research Complex

Home base for ocean science and port of call for visiting research vessels, including NOAA's newest hydrographic ship. Anchored by a 3,000-square-foot laboratory and a research pier with underwater experimental enclosures. Supports inquiry into the ecology of cold-water marine life, ocean mapping and monitoring, and sustainable, aquaculture R&D that brings kelp, mussels, and finfish to market for the Gulf of Maine.

Jere Chase Ocean Engineering Laboratory

Brings the sea to UNH's Durham campus with wave/tow and engineering tanks that simulate ocean conditions. Equipped to model and test technology that can withstand the tremendous forces of the open ocean. Sustains research to build our capacity to improve navigation, map the ocean floor, conduct deep water aquaculture, and manage oil spill recovery.

Jackson Estuarine Laboratory

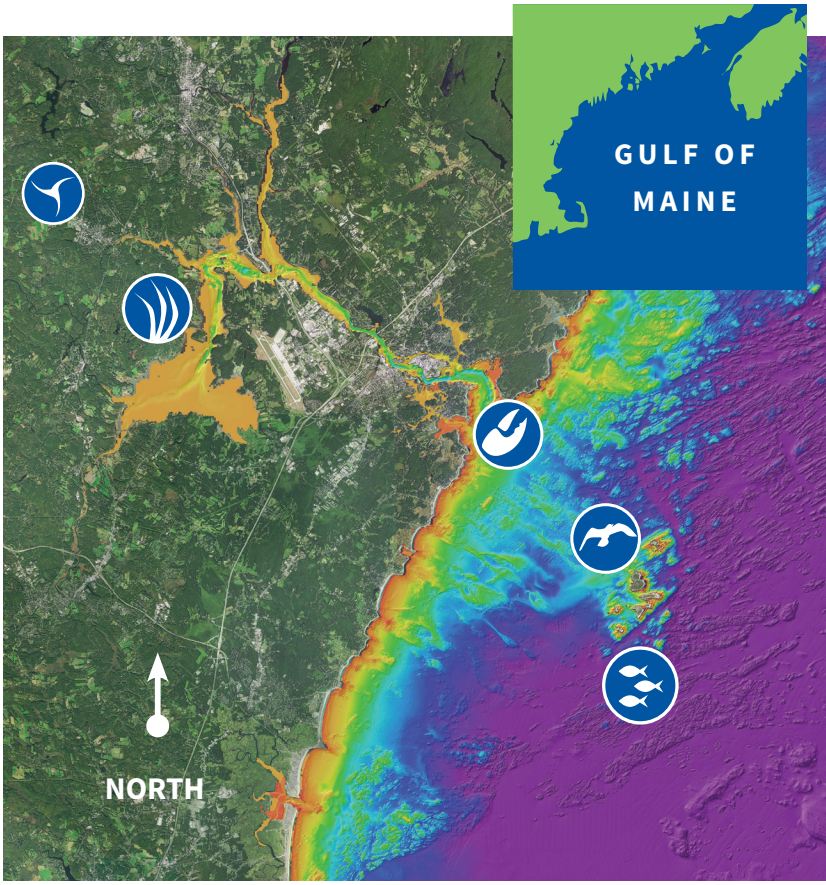
Five thousand–square-foot facility on the shores of Great Bay. Launched hundreds of explorations of the ecological forces reshaping New England shorelines and the dynamics of ecosystems embedded in a rapidly developing landscape. Equipped with a pier-mounted hoist, floating docks, and labs to study water quality, sedimentology, and coastal marine life.

Open Ocean Test Site

Open ocean test site for evaluating aquaculture and ocean renewable energy systems. Located 1.5 miles south of the Isle of Shoals in 52 m of water.

Shoals Marine Laboratory

First-in-the nation marine laboratory dedicated to undergraduate education. Ninety-nine acre, island-based field station. Classrooms and open water field experience designed to study the rapidly changing ecosystems of the Gulf of Maine. Innovative green power grid and water conservation program.



Join us marine.unh.edu

Marine School

University of New Hampshire
School of Marine Science and Ocean Engineering

Research Platforms for Every Question

R/V Gulf Challenger: Fifty-foot research flagship, based at the Judd Gregg Marine Research Complex. Among the most capable research platforms on the Gulf of Maine. Cruising speed of 18 knots, twin-engine design, and a sampling range of 100 miles. Draft and vertical clearance to support navigation in less accessible areas. Three thousand-watt inverter to keep engine noise low and facilitate acoustics research. Equipped for diving operations and the deployment of scientific equipment. Coast Guard–certified to carry 39 passengers on day trips and six on overnight cruises.

R/V Gulf Surveyor: Center for Coastal Ocean Mapping's platform for hydrographic research and the newest addition to our fleet. Forty-eight foot, propeller-driven catamaran designed to balance stability and comfort in a variety of ocean conditions. Ability to travel at speeds ranging from three to 18 knots, which facilitates survey operations. Coast Guard–certified to carry up to 18 passengers along the coast and up to 20 nautical miles offshore.

R/V John M. Kingsbury: Forty-seven foot, 48-passenger vessel berthed at the Shoals Marine Laboratory. Cruising speed of 8 knots with a 20-miles offshore range. One-ton hydraulic crane, small wet/dry lab, and ample deck space.

Renewable Energy Platforms: Located across the New Hampshire seacoast—from our Durham campus to Portsmouth's Memorial Bridge to UNH's offshore aquaculture platform. Equipped to test technology to advance the use of renewable energy in a range of settings and conditions. Currently supports interdisciplinary research focused on tidal and wave energy conversion.

Ocean Environmental Buoys: Collect critical environmental data on waves, wind, temperature, and ocean acidification in the Gulf of Maine. Engaged partner of the Northeast Regional Association of Coastal Ocean Observing Systems.

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