MARINECADASTRE.GOV

AIDING OCEAN ENERGY PLANNING

www.MarineCadastre.gov

"Serve data once, use many times" is the motto of MarineCadastre.gov, an integrated information system that provides authoritative ocean data, offshore planning tools, and technical support to the offshore renewable energy community.

This website provides authoritative and regularly updated information on offshore boundaries, infrastructure, human uses, and energy potential, as well as many other data sets. Users can create and customize maps and can easily view and share data with ocean-planning partners, thereby speeding up their ability to address critical ocean-use details.

MarineCadastre.gov is brought to you by the Bureau of Ocean Energy Management and the NOAA Coastal Services Center.

BOEM
Bureau of Ocean Energy Management

NOAA Coastal Services Center
LINKING PEOPLE, INFORMATION, AND TECHNOLOGY

Data and More

- Over 140 ocean data layers
- Web mapping services and a map gallery
- National data viewer
- Offshore planning tools
- On-the-ground examples
- How-to guides and technical support
- "So What?" series provides data context
- Latest data and Web mapping updates

"MarineCadastre.gov just keeps getting better and offering more to us and our partners!"

– Anthony J. Giarrusso, Georgia Institute of Technology

MARINECADASTRE.GOV IN ACTION

Supporting a Healthy Ocean Economy

"To make sure the commonwealth's ocean management plan is sustainable and protects the ecosystem, we are collecting data on sensitive marine life, habitat areas, and uses. The marine cadastre has enabled quick access to data sets dealing with protected area boundaries, Outer Continental Shelf lease blocks, the Submerged Lands Act, and others. Our office's online mapping tool, the Massachusetts Ocean Resource Information System, incorporates marine cadastre data. We especially like how the data can be so easily shared and integrated by project partners."

Prassede Vella—Ocean Management Analyst
Massachusetts Office of Coastal Zone Management

Filling Data Gaps for Offshore Wind Studies

"MarineCadastre.gov just keeps getting better and offering more to us and our partners! The data layers and base maps have benefitted not only Georgia's offshore wind suitability study but also state environmental authorities and a nonprofit devoted to clean energy. It's helping to fill data gaps identified in our state's coastal zone management plan. And Georgia's coastal and marine data portal will feature data from the marine cadastre and will be modeled after its framework and delivery system."

Anthony J. Giarrusso—Associate Director
Center for GIS, Georgia Institute of Technology

Strengthening Water and Biofuel Energy Analysis

"We are analyzing factors that affect development potential for ocean renewable energy, using Puget Sound as an initial case study. The marine cadastre's developers helped us put our environmental factors data and siting criteria on Tethys, a data search platform for wind and water power development. We are also exploring the potential of kelp for biofuel. The marine cadastre data enables us to identify areas that are off-limits due to environmental or policy constraints. Now we'll have an easier job estimating how much kelp can be grown and harvested—and, by extension, how much energy could be produced."

Chaeli Judd—Research Scientist
Pacific Northwest National Laboratory

Aiding Marine Mammal Research

"I am researching how the noise of large commercial vessels may affect marine mammals that depend on their hearing to communicate, find food, and navigate. The marine cadastre has helped by featuring vessel-density data originally collected by the U.S. Coast Guard, but in a format that is easier to download and use. Also, through a partnership between the NOAA Coastal Services Center and the Coast Guard, I was able to get more vessel-related data in the form of bundled products collected from live data streams."

Leila Hatch—Marine Ecologist
Stellwagon Bank National Marine Sanctuary