

# MarineCadastre.gov Quarterly News



May 2023

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## Spotlight on Data

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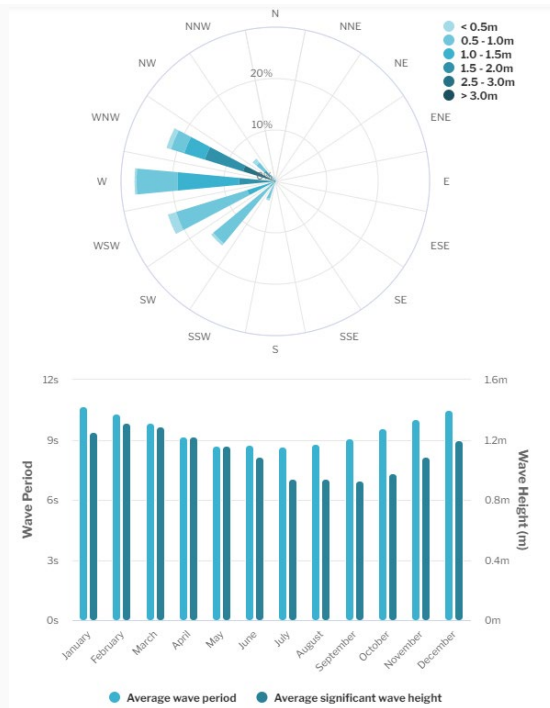
The MarineCadastre.gov team continues to work behind the scenes not only creating and updating data (see the lists below) but also improving our National Viewer and Data Registry. We look forward to sharing more with you on the changes to those tools this summer! In the meantime, check out some highlights of a few recently released data sets.

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### Wave Climatology

Having a general understanding of typical wave characteristics (height, period, direction, etc.) is important for any coastal or offshore planning or operations activity. The Pacific Northwest National Laboratory, through the U.S. Department of Energy's National Renewable Energy Laboratory, developed a high-resolution ocean surface wave hindcast for a 32-year period (from 1979 to 2010) for most U.S. waters. The hindcast data included nine different wave

characteristics, at over four million data points and at 3-hour time steps, for the full 32-year period. The MarineCadastre.gov team recently developed a suite of GIS-derived products, including modeled point locations for the entire climate record with links to monthly summary tables, and summary hexagonal grids for wave height at 1, 10, and 100 square kilometers. These data were designed to support multiple ocean use activities such as project siting and ocean engineering. Learn more about the data by viewing [this presentation from GeoTools](#).



Get the data:

[U.S. Wave Climatology for the Atlantic](#)

[U.S. Wave Climatology for Hawaii](#)

[U.S. Wave Climatology for the Pacific](#)

## Munitions and Explosives of Concern

MarineCadastre.gov recently updated its munitions and explosives of concern (MEC) data set. The term MEC defines a collection of munitions, including a) unexploded ordnance, b) discarded military munitions, and c) munition constituents that are present in high enough concentrations to pose an explosive hazard. MECs have been deposited on the seabed of the United States Outer Continental Shelf since World War I. The bulk of these munitions are the result of U.S. armed forces military training exercises, wartime placement, and disposal and dumping activities. Since 1972, ocean disposal of munitions and other pollutants has been banned by the Marine Protection, Research, and Sanctuaries Act. Federal and state efforts to mitigate, map, monitor, and sometimes remove these munitions are ongoing. Sources include NOAA Nautical Charts, Local Notice to Mariners, and the Code of Federal Regulations.



Get the data:

[Munitions and Explosives of Concern](#)

# Data Updates

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The MarineCadastre.gov team is pushing out new data all the time. Check out the most recent data additions below, and see what is coming soon. Access the data via our [feature services page](#) or via our traditional [map service page](#).

## New data

- 2022 National AIS at 1 Minute Intervals (July to December)
- Munitions and Explosives of Concern

## On the horizon

- AIS Vessel Tracks 2022

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