



Sanctuary Watch

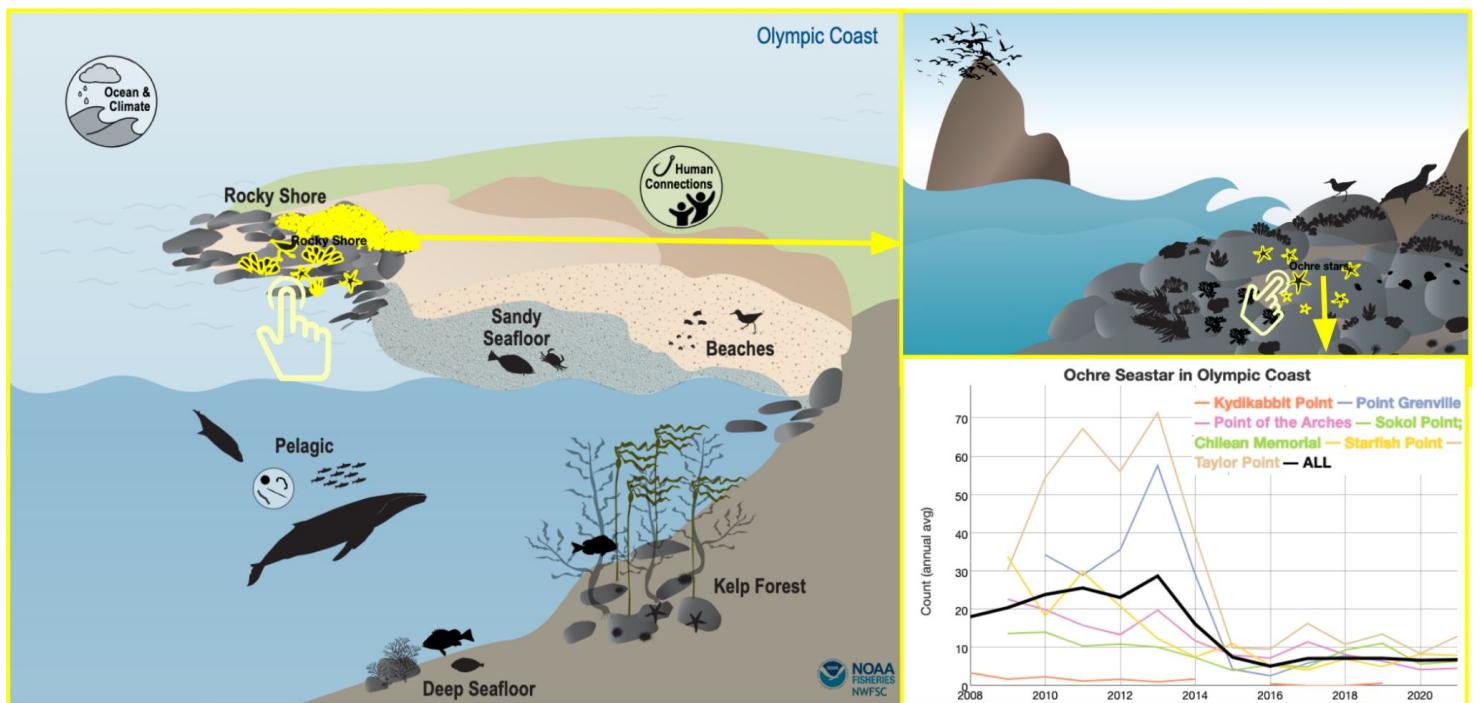
Web-enabled information for sanctuary management



December 2022

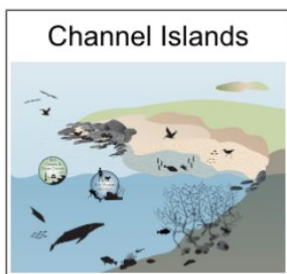
What is Sanctuary Watch?

Easy access to information for tracking ecosystem conditions, human connections and management impacts is critical to timely, effective and community-based resource management. The [Sanctuary Watch](#) platform, now available on [IOOS.us](#), provides web-enabled, interactive tools to track and better understand the changing nature of sanctuary ecosystems. Sanctuary Watch data products and information are developed in collaboration with our data partners along with science communicators and educators.



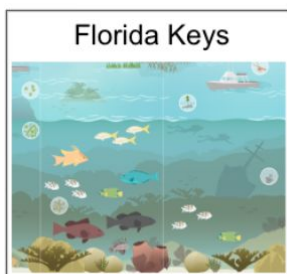
Ecosystem Tracking Tools for Condition Reporting

The web-enabled platform pairs artwork with information to make it easy to explore and track how ecosystem conditions are changing at a sanctuary. These tools are used by sanctuary managers, integrated ecosystem assessment teams and others to keep their finger on the pulse of these dynamic ecosystems and to help us to better understand and manage our sanctuaries together.



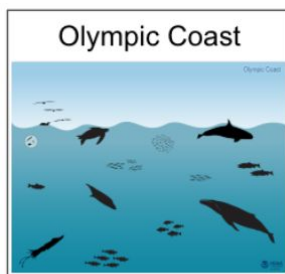
Channel Islands

Released May 2020



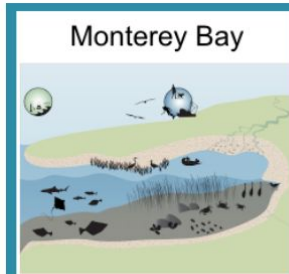
Florida Keys

Released October 2021



Olympic Coast

Released March 2022



Monterey Bay

Coming soon



Stellwagen Bank

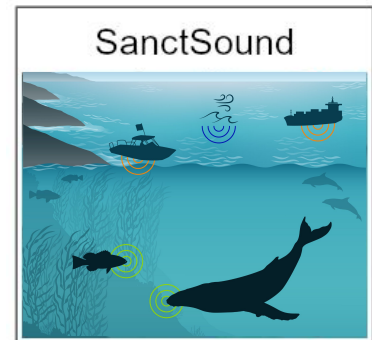
Coming soon



Conservation Issues - Tools to Inform and Improve Management

We are building interactive tools that improve access to monitoring and characterization information that specifically address conservation issues facing sanctuaries, such as ocean noise, invasive species, marine debris, and climate change.

- ❖ The [Sanctuary Soundscapes \(SanctSound\) web portal](#), released in April 2022, is the first example of a tool focused on an issue that is shared across many sanctuaries. This web portal brings the issue of ocean noise to life through visualizing soundscapes from recordings and data collected in seven national marine sanctuaries and one marine national monument

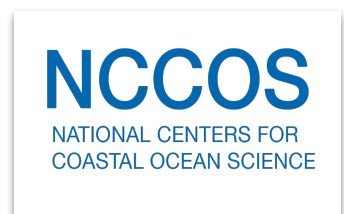


Sentinel Sites - Tools for Detecting Change and Building Understanding

National marine sanctuaries serve as sentinel sites where monitoring and research can provide an early warning capability to detect changes related to focal topics. Olympic Coast National Marine Sanctuary's Ocean Acidification Sentinel Site (OASes) program is exploring the development of tools to support management's need information on changing ocean conditions to ensure timely and effect responses and actions.

Partners

Sanctuary Watch is an example of the power of National Ocean Service offices coming together to answer questions about the health and vitality of our nation's special places. This collaboration leverages expertise across NOAA, including [U.S. IOOS Office](#) (including the [Marine Biodiversity Observation Network](#)), [Integrated Ecosystem Assessment Program](#), [National Centers for Coastal Ocean Science](#), and the [Office of National Marine Sanctuaries](#).



Other resources

- ❖ ONMS Conservation Series [technical report](#) provides background and guidance on the WebCR approach geared to a management audience.
- ❖ Regions within the Integrated Ecosystem Assessment Program are using our technology platform for their own interactive communications tools, such as the [California Current 2022 Ecosystem Status Report Infographic](#).