IOOS Advisory Committee



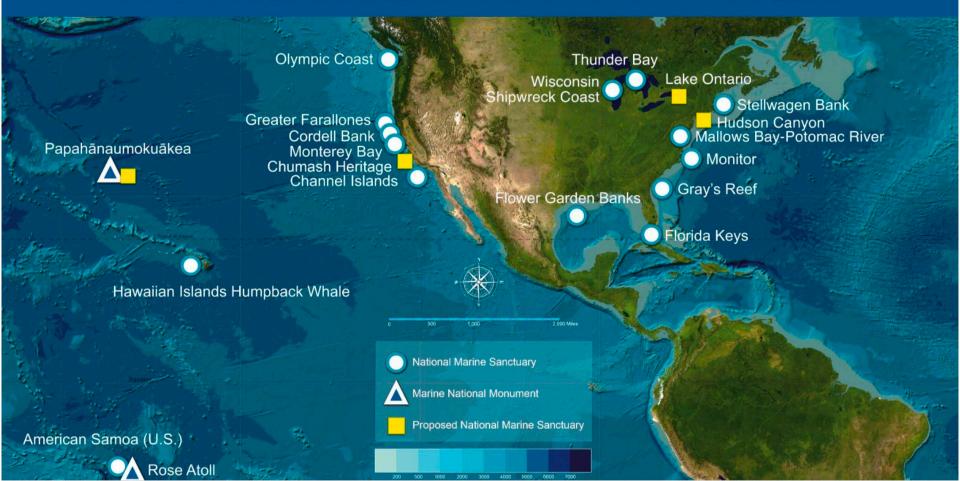


West Coast Ecosystem Session: Sanctuary Watch

June 28, 2023

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Monterey Bay National Marine Sanctuary, NOAA

NATIONAL MARINE SANCTUARY SYSTEM





WebCRs -

Conservation Issues

About



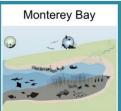
WebCRs - Ecosystem Tracking Tools for Condition Reporting

The web-enabled Condition Reporting (WebCR) platform pairs artwork with information to make it easy to explore and track how ecosystem conditions are changing at a sanctuary. Select a sanctuary below to start exploring that sanctuary's ecosystem. Navigate by clicking on icons representing major habitats, species of interest, climate and ocean drivers, and human connections. Interactive icons and silhouettes are linked to status and trend data, images, web stories and other related content. The goal of WebCRs are to help us keep our finger on the pulse of these dynamic ecosystems and to help us to better understand and manage our sanctuaries together. Tiles for other sanctuaries will be added below as those tools become available.











Coming soon

Coming soon

Stellwagen Bank

Sanctuary Watch

centralized location for tools used in Sanctuary management

tools that connect to system-wide needs and priorities

easy access to synthesized information used in decision-making

Conservation Issues - Tools to Inform and Improve Management

A number of pressing issues are facing sanctuaries, such as ocean noise, invasive species, marine debris, and climate change. We are building interactive tools that improve access to monitoring and characterization information that address these issues. Our first tool is focused on soundscapes and ocean noise. Tiles for other issues will be added as those tools become available.





Sanctuary Condition Reports



- Status and trends assessment (DPSER) of pressures, resources, and ecosystem services across the system
- Context for community awareness, management plan review, policy and regulation, education programs, and accountability

Web-enabled Condition Reporting (WebCR)

Rocky Shore

Overview

Deep Seafloor

Kelp Forest

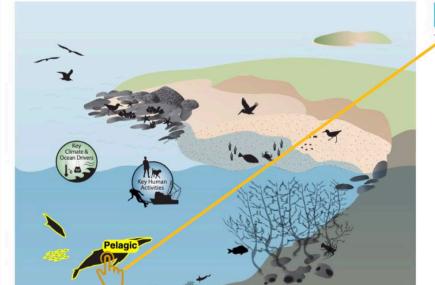
Pelagic

CINMS

Please explore the interactive ecosystem for Channel Islands National Marine Sanctuary. Navigate by clicking on icons representing major habitats, species of interest, major climate and ocean drivers, and key human activities. These interactive icons and silhouettes access status and trend data, images web stories and other supporting content.

Sandy Beach

Sandy Seafloor



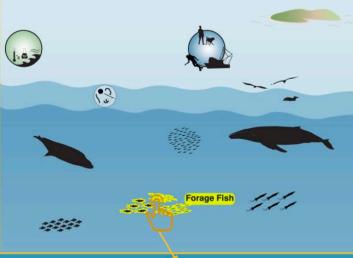
FULL STREEN

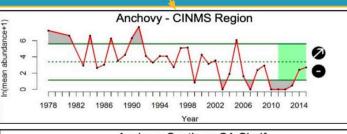
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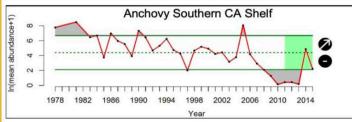
- Deep Seafloor
- Kelp Forest
- Key climate & ocean drivers

About

- Key human activities and impacts
- Pelagic
- Rocky Shore
- Sandy Beach
- Sandy Seafloor



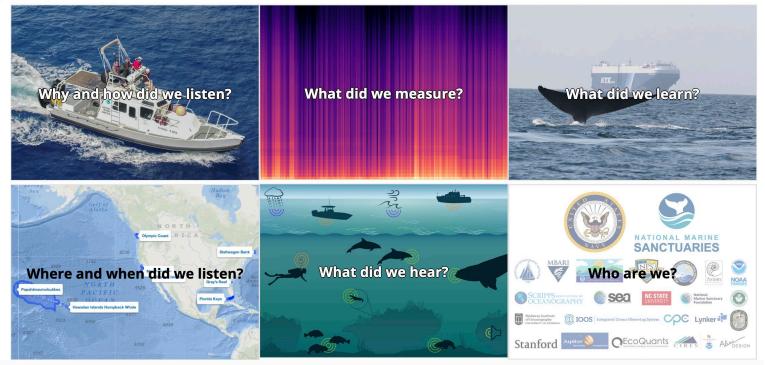






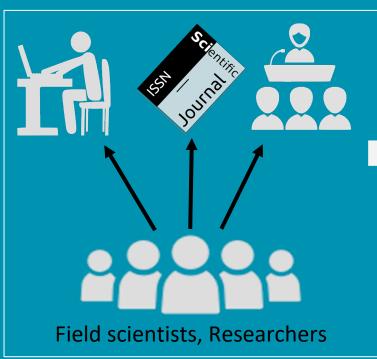
Sanctuary Soundscape Monitoring Project (SanctSound)

Exploring underwater sounds within U.S. national marine sanctuaries



Observing Data to Ocean Management

Knowledge producers



Knowledge users

Questions

Time lines

Spatial scale

Availability

Interpretation



IOOS Advisory Committee





Opportunities for ongoing IOOS/Sanctuary Collaborations

- Linking Sanctuary stakeholders with IOOS data
- Developing unique product co-development processes/expertise
- IOOS.US certified flexibility
- Measuring Sanctuary Condition Report critical parameters
- Addressing critical information needs

 - sound animal movement
- source and fate

- climate/biowind energy

- co-design teams
- Minimizing duplication of NOAA data collection/analyses



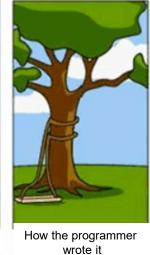
How the decision maker



understood it



How the engineer designed it





How the outreach staff described it



How the project was documented



What operations staff built



How contracting and billing progressed



How the helpdesk supported it



What the decision maker really needed