



## Telepresence Education Web Links

### Explore Sanctuaries Live

<https://sanctuaries.noaa.gov/live/>

Explore national marine sanctuaries live with real-time video and communication feeds from underwater. The sites of your National Marine Sanctuary System are hubs for science, exploration, and education. At any given time, researchers are in sanctuaries exploring the deep, monitoring kelp forests, tracking coral reef health, and more. Sanctuaries Live gives you a front row seat to sanctuary science. Watch expedition livestreams, chat with scientists, master educational resources, and more. As we learn more about the mysteries of the ocean, we can better protect our blue planet.

### Live Interactions with Exploring by the Seat of Your Pants

<https://sanctuaries.noaa.gov/live/watch.html>

Live events, tailored for students and run through Exploring by the Seat of Your Pants, will connect viewers with national marine sanctuary experts in research, education, and exploration in real time. Through the following programs, you will be able to learn about national marine sanctuaries and ask questions to leading experts in their field. Below you will find program times and a brief overview of each lesson topic.

### Archives of Live Interactions

[https://www.youtube.com/playlist?list=PLwKFsJZmdxpHC9veUEL\\_gwk8b1BtS\\_IXP](https://www.youtube.com/playlist?list=PLwKFsJZmdxpHC9veUEL_gwk8b1BtS_IXP)

Exploring by the Seat of Your Pants has teamed up with NOAA's Office of National Marine Sanctuaries to host a series of events showcasing the beauty as well as the science talking place in the amazing network of protected marine sanctuaries around the United States. Dive beneath the waves to explore these pristine waters and meet the scientists, conservationists, educators and filmmakers that study and document them, while checking out some of the exciting technology that helps to reveal the mysteries of our ocean world to us.

### Whale Fall in Monterey Bay National Marine Sanctuary

<https://sanctuaries.noaa.gov/earthisblue/wk256-whale-fall.html>

Have you ever heard of a whale fall? When a whale dies at sea, its body sinks the ocean floor, where it becomes a food source for years or even decades. Here, it's called a whale fall. Researchers recently came across this whale fall in Monterey Bay National Marine Sanctuary!

## E/V Nautilus Expedition to Monterey Bay National Marine Sanctuary

<https://sanctuaries.noaa.gov/earthisblue/wk254-nautilus-davidson-seamount.html>

In October 2019, scientists aboard the *E/V Nautilus* visited NOAA's Monterey Bay National Marine Sanctuary and discovered thousands of brooding octopuses in the deepsea! Check out our video to learn what it was like to make that discovery, and then visit [nautiluslive.org](http://nautiluslive.org) to see their recent return to the octopus garden.

## Woods Hole Oceanographic Institution Expedition to Stellwagen Bank National Marine Sanctuary

<https://sanctuaries.noaa.gov/live/2020/whoi.html>

During the summer of 2020, NOAA's Office of National Marine Sanctuaries is teaming up with Woods Hole Oceanographic Institution and Marine Imaging Technologies to explore the life and shipwrecks of Stellwagen Bank National Marine Sanctuary using telepresence technology. The team will build upon the successes of the 2019 expedition to further explore the biological and archaeological resources of the sanctuary. Research will focus on previously visited shipwrecks as well as an unidentified wreck and compare biological life on these shipwrecks to life on natural hard-bottom habitats elsewhere on the bank.



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