

EV *Nautilus* Santa Barbara Summer Live

Be part of the adventure!

Join **Channel Islands National Marine Sanctuary** this summer as we explore and map our local deep-sea environment. We're teaming up with the Ocean Exploration Trust, founded by Dr. Robert Ballard who owns and operates Exploration Vessel (EV) *Nautilus*. Together, we will map and characterize uncharted seafloor around the Channel Islands using multibeam surveys and capture high definition video imagery of deep-sea coral and sponge communities using remotely operated vehicles.

As part of the expedition, Channel Islands National Marine Sanctuary, the Ocean Exploration Trust, UC Santa Barbara and Santa Barbara Museum of Natural History are working together to bring you a *Summer of Ocean Exploration* to enhance STEM education (science, technology, engineering and mathematics) in the Santa Barbara community. Join renowned oceanographer Dr. Robert Ballard and his team of scientists aboard EV *Nautilus* for real-time ship to shore telepresence interactions.



Photo: OET

The 211 foot EV *Nautilus* deploying the 5,500-pound remotely operated vehicle *Hercules* for dive operations.

Don't miss the fun and intrigue this summer as EV *Nautilus* brings the mysteries of the deep sea in Channel Islands National Marine Sanctuary to an auditorium near you. You can also follow the adventure online at www.nautiluslive.org

Live Interactions with *Nautilus*

July 13 - Santa Barbara

7:00 pm - Lobero Theater ~ **Free Admission** ~ Reserve a seat at eventbrite.com (search *Bob Ballard*)

July 16 - Santa Barbara

11:00 am - Santa Barbara Museum of Natural History
(Mission Creek Campus: 2559 Puesta Del Sol)
1:00 pm - Santa Barbara Maritime Museum

August 20 - UC Santa Barbara

11:00 am - UCSB Marine Science Auditorium

September 24 - OceanFest at UCSB

Multiple interactions throughout the day. Times TBD.



Photo: UCSB

Scott Simon from UCSB helping students interact live with the *Nautilus*.

Questions? Please contact UCSB development coordinator:
Kaia-Joye Moyer at 805-893-5596 or kaiajoye@ucsb.edu

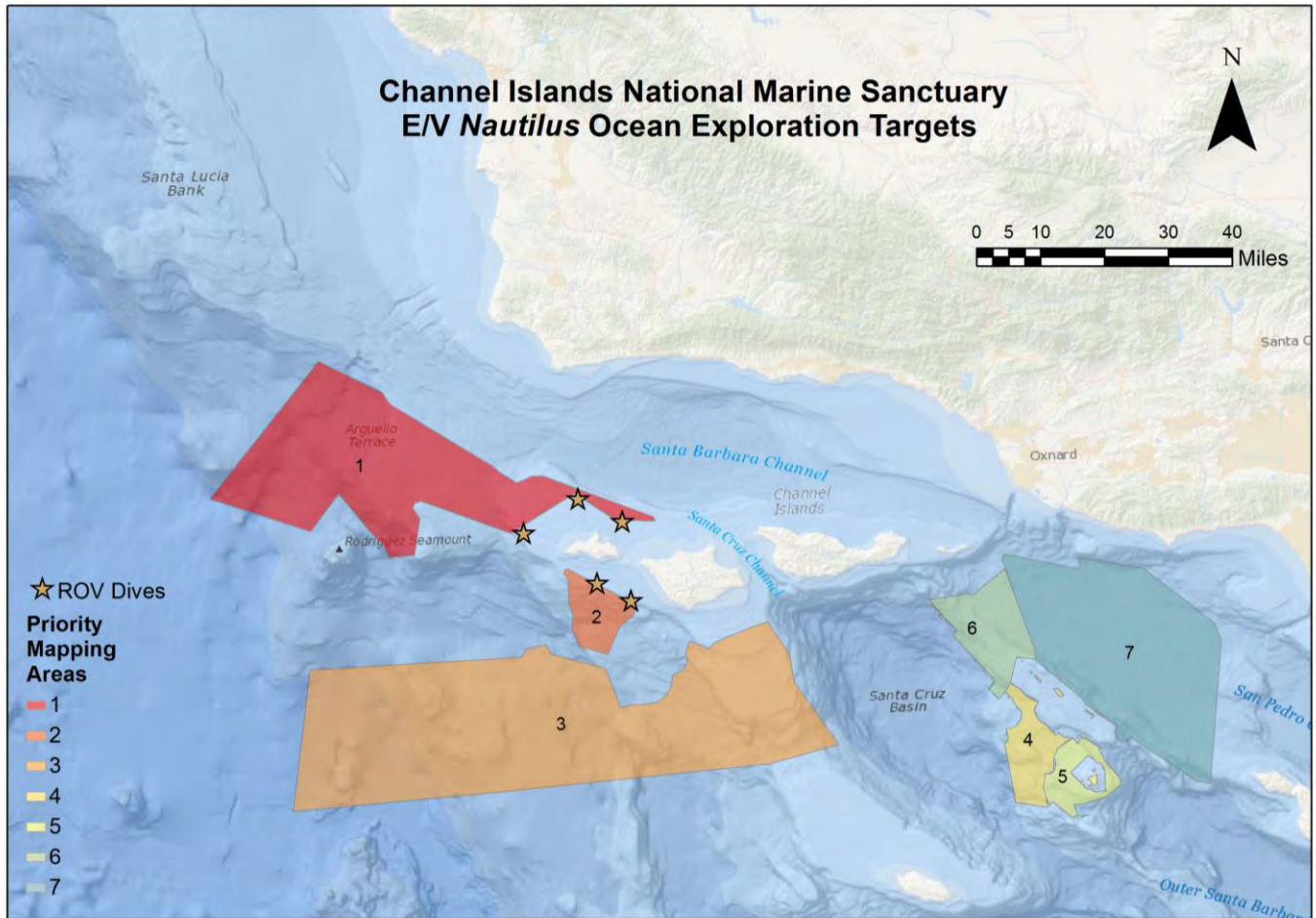


Photo: NOAA / CINMS

Deep-sea mapping and coral research priority areas for the upcoming *Nautilus* cruise.

About Channel Islands National Marine Sanctuary and NOAA's Office of National Marine Sanctuaries

Channel Islands National Marine Sanctuary was designated in 1980 to protect marine resources surrounding San Miguel, Santa Rosa, Santa Cruz, Anacapa and Santa Barbara islands. The sanctuary spans approximately 1,470 square miles, extending from island shorelines to six miles offshore, and encompasses a rich diversity of marine life, habitats, and historical and cultural resources. The sanctuary is a marine protected area administered by NOAA within the Department of Commerce. A comprehensive ecosystem-based management approach is used to promote long-term conservation of sanctuary waters, wildlife, habitats and cultural resources while allowing compatible human uses.

NOAA's Office of National Marine Sanctuaries serves as the trustee for a network of underwater parks encompassing more than 170,000 square miles of marine and Great Lakes waters. The network includes a system of 13 national marine sanctuaries and Papahānaumokuākea and Rose Atoll marine national monuments.



Photo: Claire Fackler/NOAA



Science Rich Environmental Institution Partners

About the Santa Barbara Museum of Natural History

Founded in 1916, the Santa Barbara Museum of Natural History reconnects more than 100,000 people each year (including their 5,800 members) to nature indoors and outdoors. Uniquely nestled in nature, the museum has ten indoor exhibit halls focusing on regional natural history including astronomy, birds, insects, geology, mammals, marine life, paleontology, plant life and the Chumash Indians. The museum's outdoor nature experience continues down to the Pacific Ocean at its Sea Center located on the historic Stearns Wharf. The Sea Center offers nearly 100,000 visitors a window to ocean life in the Santa Barbara Channel through its interactive exhibits and close-up, hands-on encounters with sea creatures. The Museum's outdoor exhibit experiences include a nature trail, the Chumash Sukinani'oy Garden, the Museum Backyard & Nature Club House, the Butterfly Pavilion, and a real 74-foot blue whale skeleton. Beyond exhibitions, the museum offers science education programs for adults and children, preserves a collection of more than three million specimens and artifacts, and maintains ongoing scientific research. The museum's mission is to inspire a thirst for discovery and a passion for the natural world. Discover more at www.sbnature.org!



Photo: Santa Barbara Museum of Natural History

About the Ocean Exploration Trust

The Ocean Exploration Trust was founded in 2008 by Dr. Robert Ballard to explore the ocean, seeking out new discoveries in the fields of geology, biology, maritime history and archaeology while pushing the boundaries of STEM education and technological innovation. Our international program is launched from aboard Exploration Vessel (E/V) *Nautilus*, offering live exploration to participants on shore and the public via live video, audio and data feeds. The major 2016 expedition and education sponsors are the NOAA Office of Exploration & Research, the Office of Naval Research, NOAA Office of National Marine Sanctuaries, NOAA Pacific Marine Environmental Laboratory, the University of Rhode Island, CITGO, and additional private donors. Follow us online at www.nautiluslive.org, on Facebook and Instagram at NautilusLive, and on Twitter as @EVNautilus.

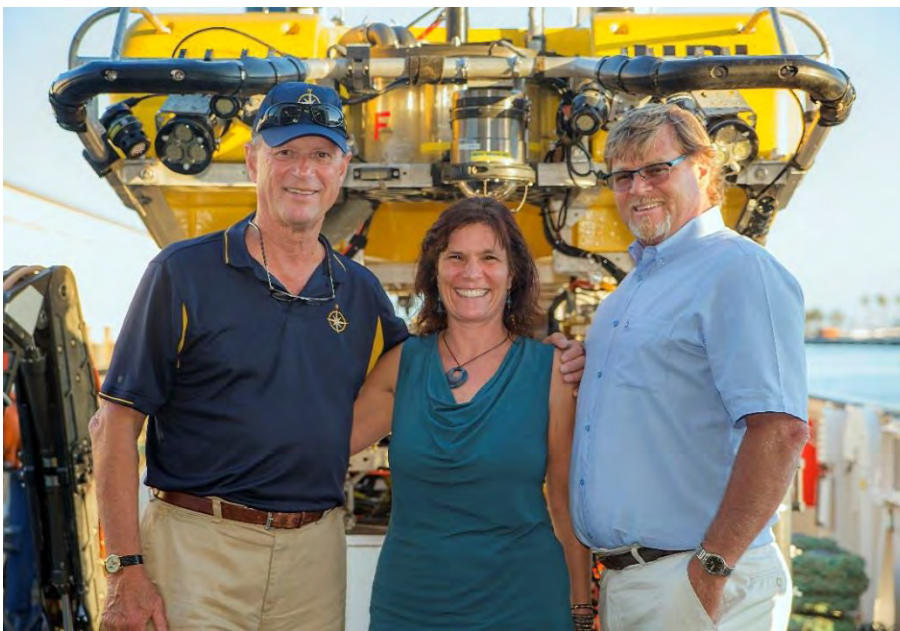


Photo: UCSB



Science Rich Environmental Institution Partners

About the Marine Science Institute

The Marine Science Institute (MSI) at UC Santa Barbara, established in 1969, ranks internationally as a leader in marine and environmental research. Its researchers stand at the forefront of their fields, regularly redefining our current knowledge of marine science and policy. Its interdisciplinary focus is marine, coastal zone, and freshwater research; marine policy studies; and educational outreach in marine science. Throughout its history, educational outreach has been a priority at MSI where programs for students at all levels of education have enriched and expanded curricula. The REEF (Research Experience & Education Facility) is MSI's interactive aquarium and the foundation of MSI's outreach programs. The REEF is equipped with state-of-the-art touch tanks and aquaria, from 2 to 2,000 gallons and highlights current, on-going research at UCSB and MSI. The REEF and its traveling Mobile REEF bring K-12 STEM programming into the classroom and provides a hands-on learning experience that integrates coastal marine science with regional and global perspectives for students in Santa Barbara and Ventura County Schools.



Photo: © Monica Pessino

NATIONAL MARINE SANCTUARY SYSTEM

