



messages

UNOLS Office office.unols.org

Fri, Oct 25 at AM

Reply-to unols-news-owners.unols.orgTo unols-news.unols.org, unols-representatives.unols.org

UNOLS News

Extending our platform to the Arctic and Antarctic Regions

October 2025 Newsletter

Community Updates

Featured Photo

University of Washington
Office of Naval Research/Naval Research's
Featured in Recent News



University of Washington's Ocean Observing Array and the Naval Research's Ocean Observing Array recently highlighted in a news feature about the Ocean Observing Array (OOA) and its impact on the Array. The Array

During the summer, researchers installed new sensors along the coast of the Aleutian Islands to monitor the Seamount—an active volcano—and to replace critical sensors and instruments of the Regional Geoboard system. The data on volcanic activity is used to assess potential signs of an imminent eruption. The USGS has provided a detailed description of the system and its potential impact.



R/V Langseth off the coast of the Galapagos.

Upcoming Events

[UNOLS 2025 RVTEC Meeting](#)
3-7 November 2025
Scripps Institute of Oceanography
La Jolla, CA

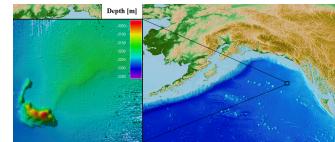
[UNOLS 2025 Annual Meeting](#)
12-15 November 2025
National Defense, Alexandria, VA

[UNOLS 2026 MSROC Meeting](#)
1-4 December 2025
Long Beach Convention Center, Long Beach, CA

[UNOLS 2026 RVOC Meeting](#)
7-10 January 2026
Wood Hole Oceanographic Institution, Woods Hole, MA

In the report it provides a guided tour of the "Siikauq" in honor of showcasing its advanced scientific equipment and sophisticated control room used to operate the ROV. It is the R/V *Naia* that operated the vehicle (ROV).

- 👉 [\[watch the full video here\]](#)
- 👉 [\[learn more about the regional area here\]](#)



UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

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Passing of Bob Knox

Robert K. Knox, a seafloor mapping specialist and

Oceanographer and a visionary who helped steer the seagoing scientific fleet toward home in, December 2022.

Bob received his Ph.D. in oceanography from the Scripps Institution in 1975. He joined Scripps as a research scientist studying circulation and dynamics and then began his career at the University of California, San Diego, in 1998. He was a key member of the team that developed the first oceanographic research vessel to feature a full suite of world-class scientific instruments necessary for design and construction of research vessels, including the *R/V Roger Revelle*.

The long-time captain of the *R/V Roger Revelle* was a marine technical pioneer and a leader in the international scientific community from 1998 to 2000. He was a member of the 1980s' advanced scientific research vessel team that developed the *R/V Roger Revelle*.

A respected authority in the field, he was a leader in the development of scientific research vessels, including the *R/V Roger Revelle*.

Bob's legacy continues today, with the *R/V Roger Revelle* now serving as the *R/V K. R. Cole* and the *R/V Hee Hsi* now the *R/V Leif J. Ericson* in California, Lincoln, Rhode Island, and Florida. The memorial service will be held in early 2026.



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MATE's 25th Anniversary



Happy 25th Anniversary!

UNOLS is proud to announce that the Technical Internship Program has been coordinating internships on a diverse range of research vessels (ARF) and its supporting facilities. Since its inception, the program has placed more than 300 at-sea and shore-based marine technical inter-

These experiences have exposed participants to a range of cutting-edge marine technologies, ocean instruments, shipboard equipment, and field procedures. Interns post weekly updates about their unique experiences on the [internship blog](#).

Overall, the program has been very successful in helping interns define their career goals and develop technical, trouble-shooting, critical thinking, and communication skills required to succeed in the marine work environment. After completing their internships, many participants offered positions as marine technicians, engineers, or working on ARF vessels, as well as with other marine industries, ocean science and engineering organizations throughout the country. The program tracks former interns about their career goals, employment and how their internships contributed to their career development. The survey shows results from 138 survey respondents after their internships:

Table 1: Participant Tracking Results (n=138)			
Obtained work as Marine Technician or in closely related ship-based job	Obtained work on an ARF vessel or supporting facility	Continued studies and/or found work in Marine /Ocean Science/ Engineering Field	Continued studies and/or found work in STEM Field
80	47	106	136
58%	34%	77%	99%

While the program primarily owes its success to support from the National Science Foundation, collaboration between the program and its partners (which originated in 2023) has been a key factor in the program's success. Many others listed below have been instrumental in making this a participant-centered program that will help prepare the next generation of ocean technicians and engineers.

The program has developed relationships with advisors from colleges and universities throughout the country who play an important role in the recruitment of these representatives. Many of these representatives run marine technical engineering programs at their educational institutions and attend meetings and meet with the internship program manager to learn about the Fleet, the internships, and to understand the program application procedures and qualifications. Many of these institutions provide top candidates with program information, their students, and recommendation letters to apply throughout the process. Many design courses for their students develop competitive skills and provide opportunities for potential placement in the internship program.

One of the most important components of this ongoing collaborative program is the involvement of Engineers, Scientists, and their teams, who onboard research vessels at-sea, in the shipyards-based laboratory. These professionals dedicate time reviewing applications, interviewing candidates, and participating in internship meetings to help interns prepare for their internships. During the internships, they provide ongoing supervision and training, while at the same time demanding shipboard responsibilities. They serve as professional role models who go above and beyond to offer interns a positive learning experience and networking opportunities that will jump-start their career in the marine technical workforce.

One of the highlights of the program is the growing involvement by former interns as mentors for professional career advisors. Many former interns, working at the Maricopa Community Colleges, contribute by promoting the program at various professional networking opportunities, sharing their experiences on social media, as well as recruiting new applicants and the intern selected. They help new interns prepare for their journey into internships, start and mentoring them during the program, offering professional career advice after the program ends, and helping develop mentor training resources.

UNOLS is looking forward to creating new opportunities for interns and growing this incredible professional network. Applications for the 2026 program are being accepted (pending funding approval) and instructions are available on the [UNOLS website](#). The announcement will be made in the near future.



h t L AlMa n at the V R Meeting

Map Once, Use Many Times - NOAA Launches New U.S. Mapping Coordination Site

With the goal of "Map Once, Use Many" University-National Oceanographic Laboratory (UNOLS) is increasing national coordination with the appin ploration an haracteri ation

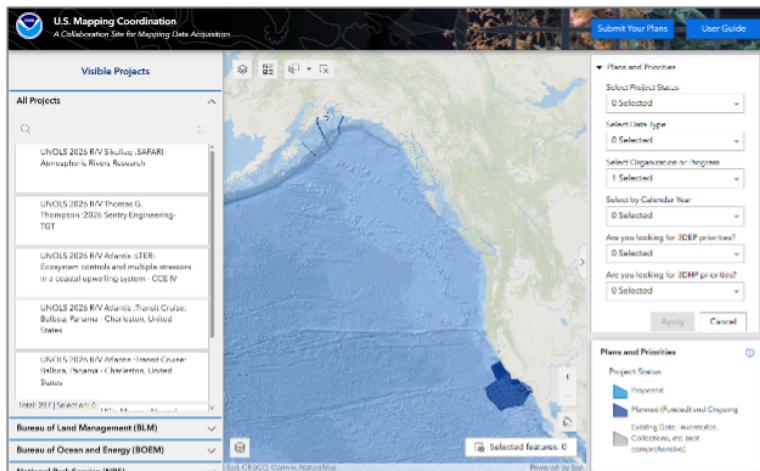
council to enrich functionality and increase integration between existing data Academics produced by U.S. Research Fleet (SARF) and NOAA Ocean and Coastal Mapping Program (OCM). The OCM will enhance awareness of scheduled activities, free spaces in ship schedules (i.e., white space), areas for opportunistic sonar collection in transit, or as manageable additions to collection routes.

To assist with survey coordination, I OCM migrating appin oor ination from a third party to an in-house tool at the beginning of 2025. Footprints of prioritized, planned, and recently completed coastal data collection areas, as well as regions showing data that is available in public repositories, additional utility has also been built including increased ease of data access, data the ability for site users to add their own to the map. As partnerships continue to grow and strengthen between NOAA and the external stakeholders, I OCM is looking to further expand infrastructure to better support ocean and coastal coordination and research efforts off the ational rate for appin plorin an haracteri in the nite tate clu ive conomic one.

THARF is uniquely positioned to bolster data efforts because of their geographically dispersed vessels equipped with world-class scientific I OCM has begun working with UNOLS to build a function on the site that will integrate existing (i.e., altimetric analysis, satellite imagery, priorities, trawl, and fisheries management, priorities, and research)

U.S. Mapping Coordination site) into a report that can assist project planners and principal investigators in finding data-poor areas in existing planned areas. The reporting feature will also assist in potential project or funding collaborators with scheduling projects, and provide information on white space in proximity to data-poor areas.

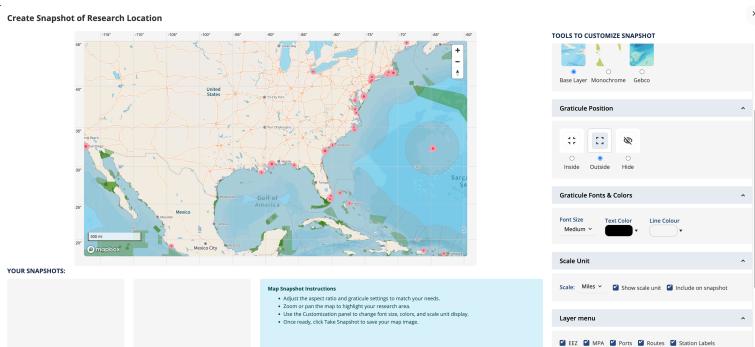
As a first step, the U.S. Mapping Coordination included current planning footprint for multibeam echosounder and existing data on the map where they can be viewed in conjunction with plans and priorities from federal and external partners. Development on the map is underway and expected to be available by Fall 2025.



A screenshot of the mapping coordination site showing current planning footprint for multibeam echosounder and existing data on the map where they can be viewed in conjunction with plans and priorities from federal and external partners.

MF P Updates

MF Planning Module

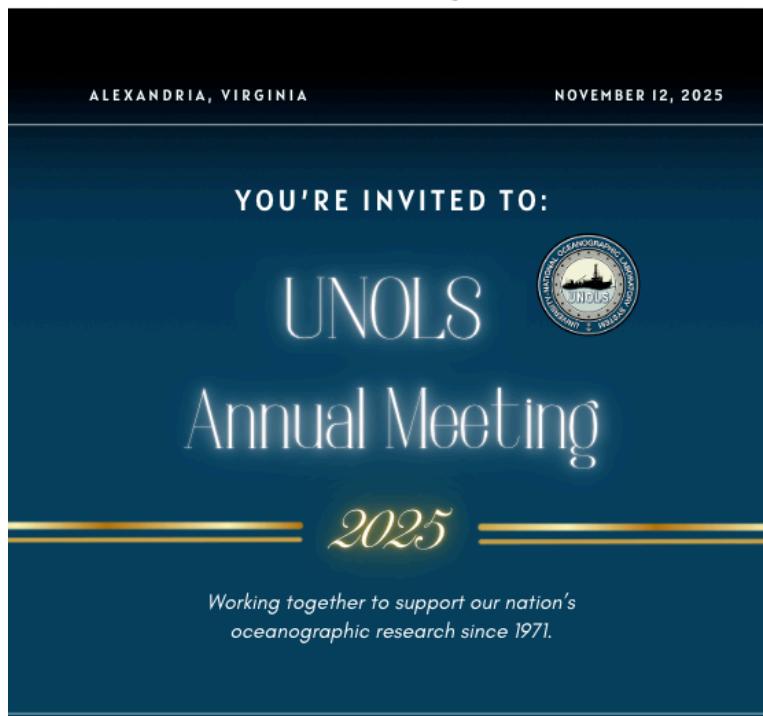


MF P Research Planner now includes a new Capture Snapshot feature! To access it by clicking the camera icon on the right. This tool allows you to easily capture and save the location of your waypoints. You can also upload coordinate files, set the aspect ratio, select the map type, adjust toggle layers, and more.

If you have any questions, please reach out to Martyne stefano@unols.org

Committee News

2025 UNOLS Annual Meeting



The 2025 Annual Meeting is just around the corner! Come join us in Alexandria on November 12, 2025. This meeting will be followed by a ½ day meeting on the morning of November 13. Although there will be both in-person and

components, we encourage this is to come in person. It is a great opportunity to network and learn more about our initiatives and share information about the meeting. The agenda, can be found [here](#).

Whether you want to attend virtually or in person, [RSVP here](#). I look forward to seeing you and sharing UNOLS activities over the past year.

2025 UNOLS allot

Are you a UNOLS Member Institution representative? If so, don't forget to vote! You should have received an email from the UNOLS Office. If you have not, check your SAM folders. Voting is a key responsibility for UNOLS representatives. Please contact bridge@unols.org with any questions.

New eSSC Members

Welcome to the new members of DeSSC:

- Victoria Reston, Olin College
- Shawn Arellano, WWU
- Adam Starke, MS State

Fleet Highlights

Face a new era of scientific exploration with the National Science Foundation Research Vessel *Endeavor*. Retired after 50 years of service, the



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After nearly five decades of service, the National Science Foundation R/V Endeavor, a cornerstone of oceanographic research, has officially retired. Operated by the University of Rhode Islands Graduate School of Oceanography and owned by the National Science Foundation, the vessel completed its final mission on September 1, marking the end of an era in marine science.

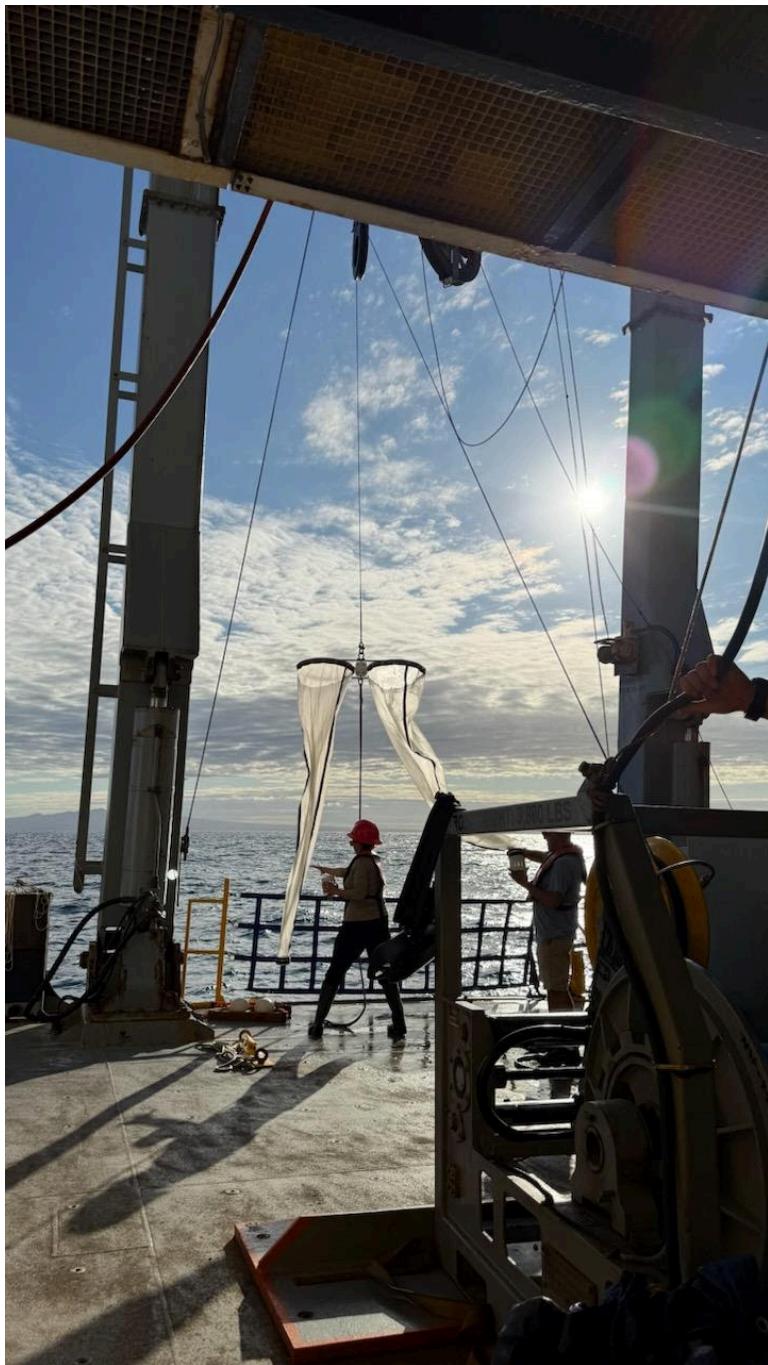
Since its launch in 1975, National Science Foundation R/V Endeavor carried out over 1,000 scientific missions, traversed more than one million miles, and hosted thousands of scientists, students, and educators. From oil spill response off Nantucket to deep-sea exploration across the Atlantic and Pacific, the ship's legacy is rich with discovery and impact.

The retirement is bittersweet: while the vessel's contributions will be celebrated, its absence will be felt deeply by the ocean science community.

To explore the full history of the National Science Foundation R/V Endeavor, including its most memorable missions and milestones, visit the [History Page](#).



Exploring the hidden currents of the deep sea, the R/V Endeavor has been a cornerstone of oceanographic research for nearly five decades. Operated by the University of Rhode Island's Graduate School of Oceanography and funded by the National Science Foundation, the ship has completed over 1,000 research cruises, traversed more than one million miles, and hosted thousands of scientists, students, and educators from around the world. From oil spill response off Nantucket to deep-sea exploration across the Atlantic and Pacific, the ship's legacy is rich with discovery and impact. The retirement of the R/V Endeavor is a bittersweet moment, marking the end of an era in marine science. To learn more about the ship's history and legacy, visit the [History Page](#).



This summer international team of scientists on an expedition in the Galápagos Marine Reserve research / We Marcus. Llaendg sbeyt hr researchers from the Galapagos Science Center and the Uni North Carolina, the mission focused on unders oceanographic processes—like internal tides and upwelling—shape plankton and it vensiofy the region's marine ecosystem.

What makes this expedition especially notable is that the vessel typically known as an "M/V" vessel the expedition successfully carried out approximately 90 CTD casts, 40 GoFlo deployments,

Bongo net and seawater pump operations—many p
the Uvapmera. In addition, the team maintained
continuous EM122 multiAbDeCaPm surveying with ful
coverage. A DCPdriftheer was deployed 33 times
throughout the entire deep hydrographer of WiriEW
moorAnbot of mods were smallab to all the vessel
spaces to support the variety of tasks being
performed.

[Read the full article](#)



Small Research Vessel Fleet Inventory

The Non-Academic Research Fleet Inventory

The Non-Academic Research Fleet Inventory

The [Non-Academic Research Fleet Inventory](#) is a resource that highlights small vessels operated by UNOLS member institutions. It supports a wide range of scientific and educational activities, often in coastal and nearshore environments. An interactive map makes it easier than ever to locate vessels by region and explore their capabilities. If your institution operates a small vessel and is included, [please update your listing](#) or learn more and explore [here](#).



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Tue, Feb 22 at AM!

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