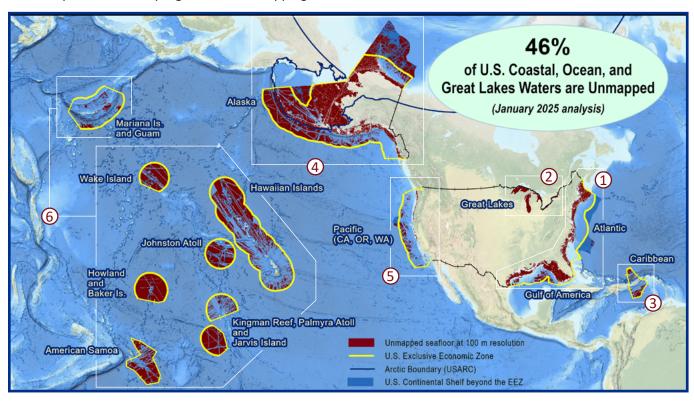
2025 PROGRESS REPORT: Unmapped U.S. Waters

To safeguard our national security and economic prosperity, ocean mapping, exploration, and characterization is foundational to maritime commerce, domestic energy and seafood production, tourism and recreation, and understanding of our natural resources, among other interests. The 2020 National Strategy for Ocean Mapping, Exploring, and Characterizing the United States Exclusive Economic Zone and the global Nippon Foundation-GEBCO Seabed 2030 Project make comprehensive ocean mapping a priority for the coming decade. Derived from the U.S. Bathymetry Gap Analysis first conducted in October 2017, this sixth annual report tracks our progress toward mapping the U.S. Exclusive Economic Zone.

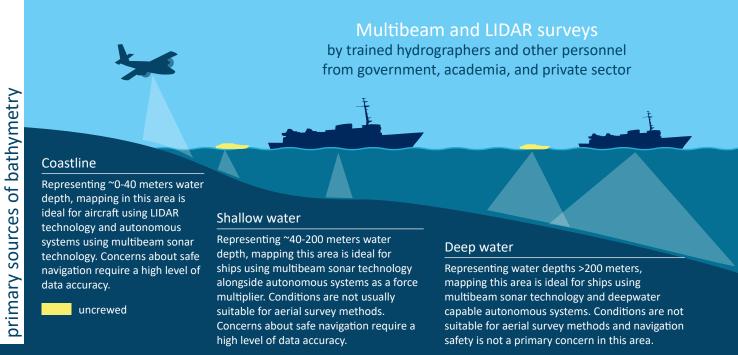


Percent of U.S. unmapped seafloor at 100-meter resolution in 2024	
All U.S. waters ¹	Total Area = 3,878,700 square nautical miles (snm)
2017	46% unmapped 2024
1. Atlantic and Gulf of America	Total Area = 547,200 snm
	49% 31%
2. Great Lakes	Total Area = 45,000 snm
96% 85%	
3. Caribbean	Total Area = 61,500 snm
	45% 30%
4. Alaska²	Total Area = 1,283,500 snm
74% 629	6
5. Pacific (California, Oregon, Washington)	Total Area = 249,300 snm
	29% 15%
6. Pacific Remote Islands and Hawaii	Total Area = 1,692,200 snm
	55% 44%

¹ Areas include the full extent of the U.S. Continental Shelf, as declared in 88 FR 88470.

² The Arctic portion of all U.S. waters in the Alaska region is 787,000 snm and 69% unmapped at the end of 2024.

Mapping the Seafloor



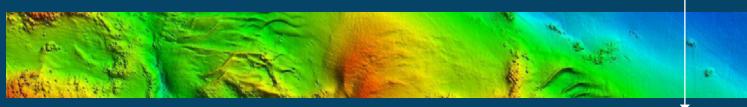
Uncrewed aerial vehicles











Strategies for Filling Gaps

Bathymetric data obtained from governments, industry, research institutions, and citizen scientists are archived at NOAA and then used for many applications by those same institutions and much more.

Partnerships, data sharing, and innovations in both data acquisition and processing continue to be critical elements for accomplishing U.S. seafloor mapping goals. Also, the coordination of new data collections promotes the integrated ocean and coastal mapping goal to "map once, use many times."

Current progress is a reflection of two primary ways to contribute:

- 1. Participate in U.S. mapping coordination activities, and
- 2. Share your data.

Want more details and to run statistics for a different U.S. area of interest?

Visit https://gis.charttools.noaa.gov/bathy-coverage-report/.

collection and sharing of depth measurements from vessels with standard navigation instruments during routine maritime operations. It can be a powerful source of seafloor information in areas where more comprehensive surveys are not likely to occur in the near future. For more information, visit: https://www.ncei.noaa.gov/iho-data-centre-digital-bathymetry.

Crowdsourced bathymetry is the

Track our progress

https://iocm.noaa.gov/ seabed-2030-status.html

