

## Outlook of 2025 *Sargassum* blooms

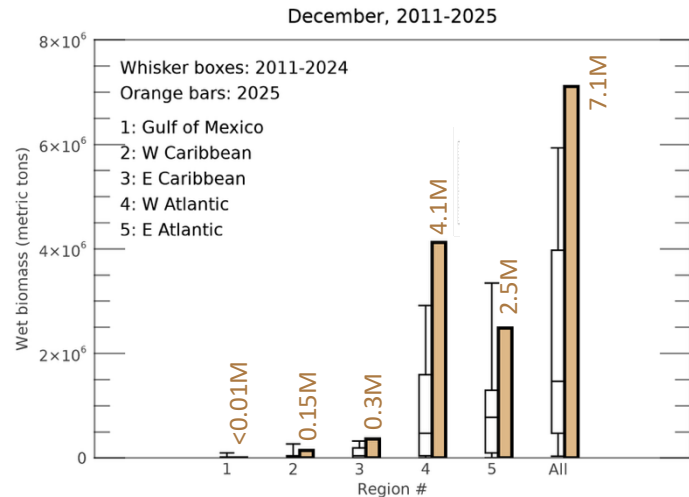
A perspective for the Caribbean Sea and Gulf of America\*

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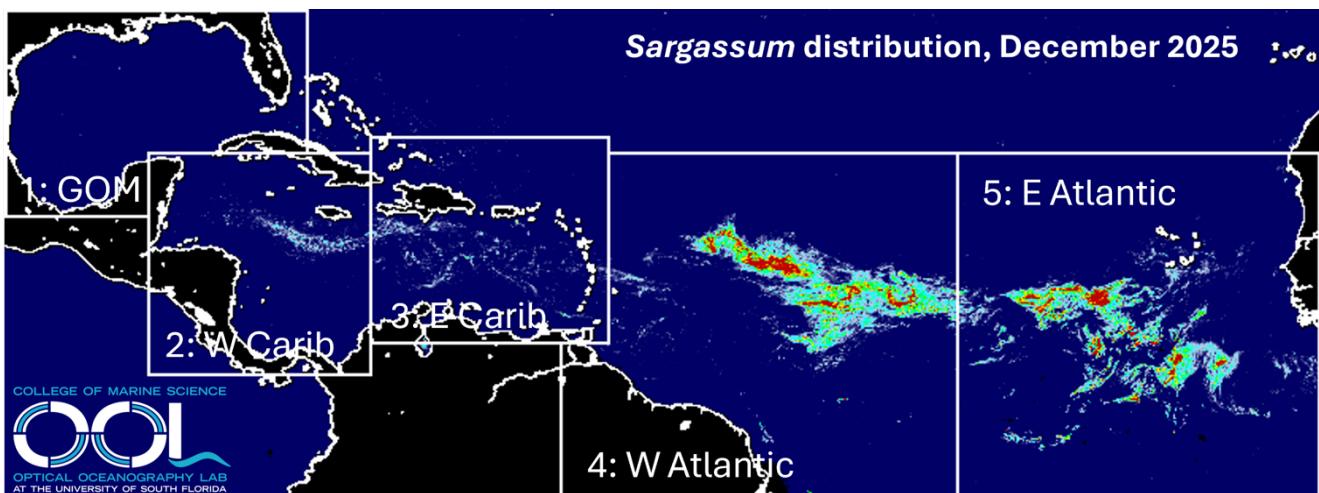
The map below shows the average *Sargassum* abundance for the month of December 2025, with warm colors representing higher abundance. The top color (red) indicates that 0.4% of the ocean surface is covered by *Sargassum*, meaning that *Sargassum* clumps and mats are scattered here and there in the location. The *Sargassum* abundance for each region is compared with historical values in the same month of 2011 – 2024 in the whisker box plot below, where horizontal bars in each vertical box indicate minimum, 25%, 50%, 75%, and maximal historical values, respectively.

Compared to November 2025, substantially increased *Sargassum* amount was found in every region except the Gulf. In particular, the sharp increases in the E Caribbean Sea and W Atlantic led to record-high *Sargassum* in December. The W Caribbean Sea also saw rapid increases although the absolute amount was still low. The most striking result is, as shown in the map below, there are two separated large masses in the W and E Atlantic, respectively, both due to local growth and contributing to the record-high *Sargassum* amount in December for the entire Atlantic.



**Looking ahead:** Although *Sargassum* amount in the Gulf will remain negligible, *Sargassum* in the Caribbean will likely continue to grow, leading to beaching events along the Mexican Caribbean coast and some of the Lesser Antilles islands. Some beaching events may already have occurred. Such early beaching events are unusual, but will likely continue in the coming months. Because of the rapid growth from November to December and because of the high *Sargassum* amount in most regions, 2026 is likely another major *Sargassum* year (i.e., *Sargassum* amount exceeds 75% of the historical values).

All previous monthly bulletins as well as daily imagery can be found under the *Sargassum* Watch System ([SaWS](#)). Meanwhile, we will keep a close eye on *Sargassum* changes in all regions.



Disclaimer: The bulletin is meant to provide general outlooks of current and future bloom conditions for the Caribbean Sea and Gulf of Mexico. By no means should it be used for commercial purpose or used for predicting bloom conditions for a specific location or beach. The authors of this bulletin, as well as USF and the Federal funding agencies, take no responsibility for improper use or interpretation of the bulletin. Credit for the images and information should be given to the Optical Oceanography Lab at the USF College of Marine Science.