





...do the hard things



The Mote-led Florida Red Tide Mitigation and Technology Development Initiative has evaluated +300 technologies and compounds across +40 projects to reduce *Karenia brevis* red tides.

Mote added 454 ocean microbial strains to its Microbial Library this year to screen them for new sources of medicine.



In partnership with FWC, Mote scientists have released +103,000 snook to enhance Florida's fisheries and ecosystems.



2024 snook release



2024

NEW seagrass greenhouse at Mote Aquaculture Research Park has 24 racetracks for seagrass cultivation, supporting the Florida Seagrass Restoration Technology Development Initiative.



Ren & Maule Wolf Seagrass Restoration Center for Ocean Sustainability

Mote scientists analyzed +100,000 water samples

from Sarasota and the Florida Keys to study seawater chemistry changes and their ecosystem impacts.





...turn science into action



« Florida Coral Reef Restoration Crab Hatchery Research Center

Mote's crab hatchery produced 13,760 Caribbean king crabs to tackle algae overgrowth on Florida's corals.

Mote responded to 99 stranded sea turtles and 18 stranded manatees and investigated numerous other reports this year.



Stranding team in action



Mote scientists and partners released research on a new shark species in 2024. *Sphyrna alleni* is closely related to the bonnethead shark (*Sphyrna tiburo*).

Mote scientists surveyed 500 elkhorn coral sites in 11 weeks in the U.S. Virgin Islands to assess the distribution, abundance, and health of elkhorn populations. As a keystone species, elkhorn coral (*Acropora palmata*) creates intricate habitats for marine life and shields coastlines worldwide from powerful waves and storms.





...work together and not alone



Participants from the Combat Wounded Veteran Challenge collaborated with Mote scientists to outplant 1,000 corals off Higgs Beach, Florida.

Mote's Red Tide Mitigation and Technology Development Initiative has funded over 50 external red tide mitigation projects.



Mote scientists developed a NEW web app to help fishers document unwanted interactions with sharks and marine mammals to support conservation and efficient fishing. This app will be used by Gulf commercial reef fish and charter fishers in 2025.

Supported by National Fish and Wildlife Foundation Research Partners Initiative

1,537 volunteers gave 160,410 hours of their time to Mote's mission & our oceans this fiscal year.

Teaching guests about marinebrates at Mote Aquarium. »



Volunteering, 2024

Help us continue to make impacts in the coming year.

Together we can scale up science-based solutions for marine life, human life and the ocean that supports all life.

Your gift to Mote by April 30, 2025 will be matched.

[MOTE.ORG/MATCH](https://mote.org/match)

Matched up to \$65,000 total thanks to the generous support of:
James and Maryann Armour Foundation • Elaine and Burt Bayer •
Tim and Lori Crothers • Anonymous



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To make a gift to Mote,
visit: mote.org/donate

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YOUR IMPACT ON OUR SCIENCE**



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