

MOTE MARINE LABORATORY
1600 Main Thompson Parkway
Barronette, FL 34236-4004



NOTES FROM THE FIELD:
YOUR IMPACT ON OUR SCIENCE





Join us in writing
the future of marine
conservation





**FIELD
NOTES**



It's in our DNA to...



Dr. Eugenie Clark, 1962



FIELD NOTES



Dr. Kirstie Francis, 2024

It's in our DNA to...



...do the hard things



The *Marine*-led Florida Red Tide Mitigation and Technology Development Initiative has evaluated +300 technologies and compounds across +40 projects to reduce *Karumi* blooms and risks.

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



In partnership with FWC, *Marine* scientists have released +103,000 snook since 2007 to enhance Florida's fisheries and ecosystems.



NEW seagrass greenhouse at *Marine* Aquaculture Research Park has 20 researches for seagrass cultivation, supporting the Florida Seagrass Restoration Technology Development Initiative.

Marine is a member of the Seagrass Research Center for Ocean Sustainability.

Marine scientists analyzed +100,000 water samples from Seagrass and the Florida Keys to study seagrass chemistry changes and their ecosystem impacts.





...turn science into action



Florida State Sea Grant's Coral
Reef Research Center

Florida's crab hatchery
produces 13,740 Caribbean
king crabs to battle algae
overgrowth on Florida's corals

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



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

Florida scientists surveyed 500
elkhorn coral sites in 91
months in the U.S. Virgin Islands
to assess the distribution,
abundance, and health of elkhorn
populations. As a keystone
species, elkhorn coral (*Acropora
pachyrrhizus*) creates intricate
habitats for marine life and
absorbs sometimes toxic levels from
powerful waves and storms.





Participants from the Capital
Marine Education Challenge
collaborated with Mote scientists
to outplant 1,000 corals off
Higgs Beach, Florida.

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



Mote scientists developed a
NEW web app to help fishers
document commercial catch/losses
with charts and records
electronically to support conservation
and efficient fishing. This app will
be used by Gulf of Mexico reef
fish and charter fishers in 2025.

Supported by National Sea Grant
University of Florida, Mote Marine Laboratory

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

Thank you to our volunteers
at Mote Marine Laboratory.



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 us all.

Your gift to Mote by May 5, 2025
will be **matched**.

MOTE.ORG/MATCH

Matched up to \$50,000 and thanks to the generous support of
Corbin and Margaret McHenry, Charles and Mary Deane, The Gulf
and Florida Foundation.

...work together and not alone



Immature Caribbean
king crab, 2024

« 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
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Stranding team
in action



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

1800 Ran Thompson Parkway
Sarasota, FL 34236