

#### MESSAGE FROM GUY

The Guy Harvey Foundation continues to evolve, expand our reach and maximize our impact. We know that growth would not be possible without your help. Your donations, sponsorships, and partnerships have been instrumental in enabling us to achieve our mission and make a real impact on the environment. We are truly grateful for your ongoing support.

2022 marks the 14th year of my non-profit's existence. The Guy Harvey Research Institute at Nova Southeastern University is now in its 24th year. As I reflect on how far we have come, and how much we have achieved, I am proud by the substantial role it has played in supporting ocean conservation for the next generation. I am even more encouraged by the US, Central and South American countries latest steps to prioritize combating illegal, unregulated, unreported, and unsustainable fishing practices. Conservation can only work if countries work together. A collaborative effort to dramatically increase marine protected areas is a great start.

I participated with Sir Richard Branson in a discussion on entrepreneurial opportunities in sustainable energy use and marine conservation at the Tahoe Forum at the University of Reno, Nevada in September this year. As a strong believer in education, I was encouraged by the young, intelligent minds eager to learn and share their ideas in tackling different environmental issues. More importantly, their understanding of the value of art in problem solving and design. With technology, and a variety of platforms at their fingertips, they and many others can inspire people around the world to make a difference. Even at 67, I am not too old to be taught new tricks.

We all congratulate the Chairman Steve Roden, my daughter Jessica (now CEO of the rebranded Guy Harvey Foundation) and the Foundation's education and research teams for the tremendous progress this year as you will soon read in the remainder of this annual report. Next year will be the 25th anniversary of our collaboration with Nova Southeastern University. We are very proud of the long term association and achievements accomplished by Prof Mahmood Shivji and his team. Time is my most precious resource and I will continue to use the time I have left to put my pen and knowledge to good use. We all have a responsibility and capacity to make a difference. I will be right there with you, with my paintbrush in one hand, and camera in the other.

Cheers,

GUY ARVEY

Dr. Guy Harvey, Ph.D. Chairman Emeritus Guy Harvey Foundation



#### MESSAGE FROM OUR CEO

The Guy Harvey Foundation is a small nonprofit with a big mission. We are here to save our oceans while supporting and inspiring the next generation of ocean ambassadors. 2022 has proven to be very impactful and fulfilling for us!

To make a large impact, we recognized that we needed to bring in some help. This past year, we have grown our team to expand our education and research impact. We have had so many accomplishments this year and without our dynamic team, our achievements would not have been possible.

In 2022, we trained 1,000+ teachers in 17 Florida school districts this year, driving our mission to educate future ocean ambassadors. This was made possible thanks to the support of district leaders, curriculum partners, and sponsors like Ocean First Education, Florida Virtual School, Discovery Education, Brightmark, Bergeron Everglades Foundation, Florida Power and Light Company, St. Joe Community Foundation, and others.

Our foundation's story began with our support for scientific research conducted at the Guy Harvey Research Institute at Nova Southeastern University. Over the past 23 years, the GHRI has published 156 peer-reviewed papers, tracked 310 sharks, and tagged 131 billfish with the help of our research partners.

Special recognition goes to Ryan Logan, who successfully published a component of his Ph.D. work on billfish recovery. We would also like to thank Tropic Star Lodge and the NSU team for their contributions to making this project possible

Finally, I'd like to showcase our impact on our community.

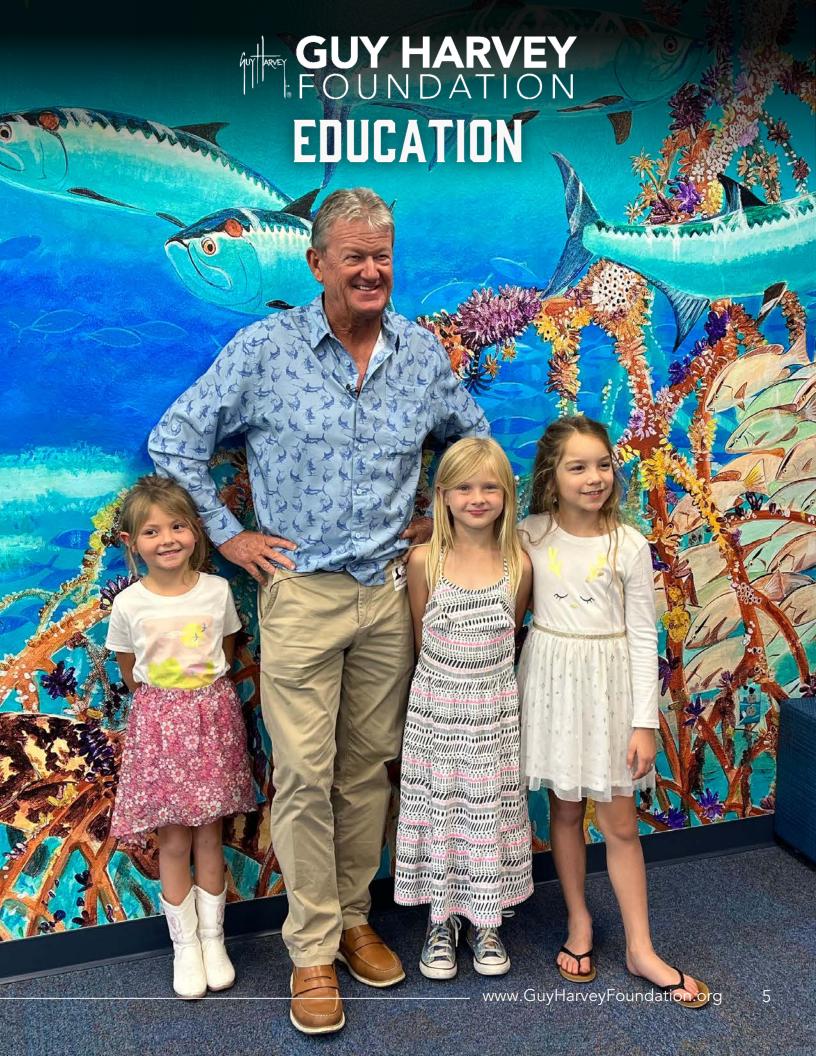
We participated in 4 special expeditions this year to learn more about the foundation and the international communities we work with. Special thanks to Keith Hewitt, Bob Powell, and Jim Hill for their incredible support, and to Pacific Fins, Keen M Fishing, and Tropic Star Lodge for hosting. We look forward to more exciting Guy Harvey Expeditions in 2023!

We also rebranded with a refreshed mission, new logo, and website to make it easier for people to support and stay connected. I am proud of our accomplishments this past year, we're excited to continue making an impact on ocean conservation in 2023. Thank you for your support; greater things to come!

Jessica Harvey

CEO

Guy Harvey Foundation



## **EDUCATION HIGHLIGHTS**

\$359K

Scholarships given in partnership with Florida Sea Grant to 74 students at 11 different Florida universities 1,000+

Educators trained in Guy Harvey Foundation Content and Curriculum 17+

School districts in Florida currently utilizing Guy Harvey Foundation curriculum

39+

Education Workshops conducted in 2022 highlighting Guy Harvey Foundation curriculum 99

Educational resources on our Discovery Education Channel with a 151% year-over-year increase in student and teacher interactions

18

Certified Guy Harvey Foundation education ambassadors trained













## THE FIRST EVER GUY HARVEY ACADEMY OF ARTS & SCIENCE HAS OPENED AT ANNA MARIA ELEMENTARY SCHOOL IN BRADENTON, FLORIDA!

The Guy Harvey Foundation has been working closely with the School District of Manatee County to develop an art, math, and science-based curriculum to educate and engage young students on the importance of preserving our oceans and marine life while learning about the world's environment.

"We are extremely excited to offer this incredibly unique learning opportunity to students in our district," said Superintendent Cynthia Saunders. "Working with art, math and science educators through the Guy Harvey Foundation, we have developed a STEAM curriculum that draws on Dr. Harvey's real-life experiences to guide students as they learn science and math through an art lens."

The Guy Harvey Foundation is expanding its marine science curriculum to schools across Florida and beyond, attracting such partners as Brightmark, FPL, St. Joe Community Foundation, SeaWorld, Florida Virtual School, Florida Lottery and many other organizations.

There is a need for new, innovative professional development that will support a biological science curriculum as well as a need for updated current materials and resources. The Guy Harvey education initiatives are designed to enhance marine and environmental science courses for students in elementary school through high school.

"I am honored to be here to dedicate the first Guy Harvey Academy of Arts & Science where students will learn about the world's environment and wildlife, have a better understanding of the importance of our oceans and its inhabitants and how they can preserve and protect both for future generations," Dr. Harvey said. "It is so important that we continue to inform, educate and engage our students so they, along with their teachers and families, can enjoy and benefit from a properly balanced ocean ecosystem."

In addition to the students at Anna Maria Elementary, planning for the academy also includes ways for students from other schools to gain exposure to lessons from the academy, including: field trip experiences that complement education materials developed for the academy; summer camps to the Anna Maria Elementary campus for students in district Title I schools; immersive teacher professional development opportunities in the academy's curriculum; and future inclusion of Guy Harvey Academy educational materials in all district elementary science classrooms and the addition of related courses in a district middle and high school.

The Guy Harvey Foundation STEAM (Science, Technology, Engineering, Art & Math) curriculum is designed for students from elementary through high school. Teachers receive interactive hands-on training to take what they learned back to their classrooms, along with scientific equipment and educational materials provided by the Foundation, and guide their students through lessons related to marine ecosystems, conservation and art.

"At the Guy Harvey Foundation, we are committed to education and that's why we were so excited to roll out our curriculum throughout Florida and beyond," said Guy Harvey Foundation's CEO Jessica Harvey.











#### GUY HARVEY FOUNDATION

# RESEARCH



### RESEARCH HIGHLIGHTS

65

310

151

Stingray Surveys completed in Stingray City Sandbar, Grand Cayman

Sharks tagged in 8 different countries

Scientific Papers & Publications published in partnership with the Guy Harvey Research insititute (GHRI) at Nova Southeastern University

131

Billfish tagged (49 Blue Marlin, 46 Black Marlin & 36 Sailfish)

1,648

Dolphinfish tags deployed through the Dolphinfish Research Program (DRP) in 2022

(501 tagging kits were distributed to 399 anglers in 12 nations)

1ST

First time that a shark genome was completely decoded by the NSU research team led by Dr. Mahmood Shivji













#### SHARK FIN TRADE BAN BECOMES LAW

At the end of 2022, as part of the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023, the U.S. enacted legislation to ban the trade of shark fins. This new law will end a major economic incentive for overfishing these ecologically vital species and also provides the U.S. government with more tools to address other illegal, unreported and unregulated fishing issues. The bipartisan shark fin bill was introduced by Representatives Gregorio Sablan (D-NMI) and Michael McCaul (R-TX) and Senators Cory Booker (D-NJ) and Shelley Moore Capito (R-WV).

Although shark finning is illegal in many places, the trade of fins, even from legally caught sharks, encourages the barbaric act of finning to continue. The U.S. banning the shark fin trade not only ends a significant economic driver of the industry but it also sends a message worldwide that sharks need to be protected.

This legislation is a long time coming. In 2006, a study conducted by the Guy Harvey Research Institute (GHRI) at Nova Southeastern University in Florida quantified, for the first time, the level of fishing mortality to satisfy the shark fin industry. It was estimated that as many as 73 million sharks per year are being harvested to supply the world with fins. Additional research conducted by Florida International University found that two-thirds of fins in the global fin trade come from sharks that are at risk of extinction. The research by the GHRI brought the shark fin issue into focus for the world and provided the foundation needed to address this problem. This highlights the need for high-level research and long-term commitments to make substantial ecological policy changes.

Although the cartilage from shark fins is tasteless and offers no nutritional value, shark fin soup is considered a delicacy in many Asian cultures. Similar to how rhino and elephant populations were decimated by the ivory trade, the shark fin trade is threatening the continued survival of many shark species.

The shark fin trade remains largely unmonitored and unregulated, with U.S. ports acting as a main thoroughfare for fins from sharks caught in Latin American and Caribbean countries that have inadequate protections in place. Not only are there fins from finned sharks entering the U.S., but the United States is also providing an economic incentive for other countries to fish for sharks in ways that are illegal in U.S. waters. This new legislation will remove the U.S. from this process altogether.

This legislation will ensure that future generations will not face that reality. At the Guy Harvey Foundation, where our mission is to better understand and conserve the ocean environment, we are thankful for our partners, Oceana, SeaWorld Parks and Entertainment, Shark Allies and countless other organizations and individuals that worked tirelessly for this necessary legislation, in addition to the U.S. Congressmen and Congresswomen that continuously pushed through several administrations to make this a reality.

Healthy oceans need sharks.

# JOINING FORCES TO SAVE OUR REEFS: THE GUY HARVEY FOUNDATION AND PARTNERS MAKE A DIFFERENCE

The Florida reefs are an essential ecosystem that supports a wide range of marine life and provides critical benefits to humans. However, the reefs have been under threat due to human activities, including overfishing, pollution, and climate change. We recognize the need for action to restore the Florida reefs and partnered with like-minded organizations to make a difference.

The Guy Harvey Foundation partnered with Force Blue, a non-profit organization that provides opportunities for retired Special Operations veterans to use their skills to make a difference in ocean conservation. Together, we collaborated with I.CARE, Keys Marine Lab, and Mote Marine Laboratory to restore the Florida reefs.

Over two days, the team trained and dove to restore the reefs. The team secured and attached veterinarian-screened staghorn coral to the reefs and cleaned algae from young coral. The project was a success, and we hope that our collaborative work will inspire others to take action and join the fight to save our oceans.

The collaboration was a testament to the power of teamwork and shared goals. The Guy Harvey Foundation, Force Blue, I.CARE, Keys Marine Lab, and Mote Marine Laboratory came together to achieve something truly special. We know that there was still much work to be done, but we are ready to take on the challenge, one step at a time. By restoring the Florida reefs, the team helped preserve a crucial ecosystem and contributed to the larger effort to save our oceans.

We are excited to continue our coral reef conservation work in 2023 and beyond!











environment for generations to come. FPL and the GHF work together to expand educational opportunities to help teachers, students and families learn about Florida's environment and wildlife.

As a conservation sponsor, FPL invests in STEM education by supporting GHF's marine science education program in Florida schools. Their curriculum-based courses and adventures explore the wonders of science, technology, engineering and math through student-specific inquiry using groundbreaking research.

FPL has also collaborated with GHF CEO Jessica Harvey to highlight education and conservation initiatives at Manatee Lagoon – an FPL Eco-Discovery Center. Harvey also co-hosted an educational video that highlighted FPL's conservation efforts helping to bring the American crocodile back from the brink of extinction at the company's Turkey Point Clean Energy Center in Homestead, Florida, and extended these efforts into its curriculum.

FPL will also work with GHF to highlight conservation efforts surrounding manatees and sea turtles and will host professional development workshops for local teachers to aid in science literacy. "Investing in education and inspiring the next generation to be environmental stewards is part of our commitment to working with the communities we serve to help make them better places to live, work and raise a family," said Pam Rauch, Vice President of External Affairs and Economic Development at FPL. "We are excited to champion the protection of Florida's wildlife alongside the Guy Harvey Foundation to make a difference in our communities, and to move Florida forward."



**BOB POWELL**CEO of Brightmark

"As a frequent diver, I am passionate about protecting our oceans preserving the beauty and magnificent wonder of the big blue. Brightmark is incredibly proud to support mission driven organizations like the Guy Harvey Foundation because of their commitment to ocean preservation, protection, and education.

Organizations like the Guy Harvey Foundation, instill my confidence in the world that we're genuinely striving to live in harmony with our planet instead of putting humanity on top."

### FINANCIAL HIGHLIGHT

In 2022, the Guy Harvey Foundation invested \$675,000 in STEAM (Science, Technology, Engineering, Art and Math) curricula related to ocean conservation through educational content development and distribution, teacher and GHF Ambassador training and educational outreach throughout Florida.

Additionally, the foundation invested \$978,000 in marine conservation research and advocacy efforts which lead directly to new scientific publications, education curricula and program development.

The foundation also has made significant investments toward expanding our reach and impact. One of our key strategies has been to recruit top talent to join our team, bringing their expertise to bear on critical areas such as education partnerships and strategic business planning. These efforts have allowed us to more effectively chart a course for the future growth of the foundation, ensuring that we can continue to make a meaningful difference in the world of ocean conservation.









#### THANK YOU FOR YOUR SUPPORT!























BERGERON EVERGLADES FOUNDATION







































