

Zen4Blue

QUARTERLY NEWS SPLASH • ISSUE NO. 5



**APRIL IS
EARTH
MONTH**

APRIL 2025

ZEN4BLUE.ORG

CONTENTS

NOTE FROM THE TEAM

IT'S OUR 2ND BIRTHDAY!!

As we jump into Earth Month we are super excited to not only celebrate Earth Day, but to celebrate our 2nd birthday!! With so much buzz in the air from the pollinators returning from their Winter slumber, to the excitement of the community getting involved with planet saving activities; it's a sunny time to celebrate life on our beautiful planet.

Zen4Blue is growing and expanding and we anticipate this to be our "tuna-rific twos" a year to fully develop our new education programs and start our first research projects at our new headquarters. First up is our microscope lab to explore the miniature world of the ocean while attempting to restore balance to the ecosystem through our Red Tide Analysis project.

And no birthday month would be complete without a party - so we are opening the doors to our new building and welcoming all of you to join in the fun and see our new home!

For dates and details be sure to sign up for our monthly newsletter and subscribe to our events calendar at zen4blue.org/events

Fun facts about Bull Sharks, a heartfelt message from our founder, podcast updates, and more! Read through this month's issue and enjoy the wonders of nature as you go through the month of April.

-Zen4Blue Team



TABLE OF CONTENTS

- 4 FEATURE ARTICLE: CELEBRATING ZEN4BLUE'S EARTH DAY BIRTHDAY!**
- 8 SPECIES SPOTLIGHT: BULL SHARKS**
- 11 ECOSYSTEM INFOGRAPHIC: AMAZON RIVER**
- 15 CAREER HIGHLIGHT:**
STORMWATER CONSULTANT
- 16 UPCOMING EVENTS**
- 18 THANK YOU SPONSORS**



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ZEN4BLUE NEWS SPLASH APRIL 2025 | PAGE 1



**Stand Up for Bull Sharks –
Protect, Preserve, and Thrive!**

LEARN – CONSERVE – DEFEND – SUSTAIN

RAISING FUNDS FOR THE

“NATIONAL OPTICAL BTII MICROSCOPE”

We are raising funds for the first item in
the new Zen4Blue Marine Science
Center!!

Be a part of the mission to bring marine
education to everyone!

This powerful tool will help us study
plankton, microplastics, and marine
ecosystems up close—bringing ocean
science to life for students!

Hoping to raise \$1,118.00

Together We Can Make An Impact!

Thank you for supporting future marine
scientists!

SCAN ME



DONATE





As I sit down to write this, it's hard to believe that two years have already passed since we launched Zen4Blue on Earth Day of 2023. Time has flown by, and what a transformative journey it has been for all of us. What started as a small, passionate initiative to protect our oceans and raise awareness about marine conservation, has grown into something much bigger — and it's all because of the incredible people who have joined this movement.



Over the past two years, we've seen our mission expand in ways we could have only dreamed of. We're excited to announce that we've officially extended our reach into Florida, where the need for ocean conservation has never been more urgent. But perhaps the most exciting milestone of all has been acquiring our new headquarters facility, which will soon become the Zen4Blue Marine Science Center. This center will serve as a hub for innovation, education, and hands-on conservation efforts, offering a place where everyone — from our local community to global environmental advocates — can learn, grow, and take meaningful action to protect our oceans.

None of this would have been possible without the unwavering support of our dedicated team, volunteers, and supporters like YOU! You've given your time, your energy, and your heart to this cause, and I am truly grateful for each and every one of you. Together, we are building something lasting — a legacy of environmental stewardship and love for our oceans. The future of the marine workforce is on the horizon making drastic changes to protect and restore our ocean.

Feature Article: Celebrating Zen4Blue's Earth Day Birthday!

Earth Day holds a special place in Zen4Blue's heart because it reminds us of the importance of honoring our planet every day, not just once a year. The ocean is our life force, and its health is directly tied to the health of all living things on Earth. At Zen4Blue, we believe that small actions lead to big changes, and together, we can make a lasting difference.



As we celebrate our Earth Day Birthday, I invite you to join us for a series of exciting virtual events to raise awareness and support for the Zen4Blue mission. These events are designed to connect us, inspire action, and amplify the work we are doing to protect our oceans. I also encourage you to consider making a donation to help us continue our work, whether it's funding the Zen4Blue Marine Science Center or supporting our ongoing outreach and education efforts. Every dollar makes an impact!



I'm also thrilled to announce the launch of our new podcast, Balance 4 Blue, which is now available on both YouTube and Apple Podcasts. Join us as we dive into meaningful conversations about marine conservation, ocean health, and the inspiring individuals who are leading the charge to protect our seas.

Looking ahead, I am filled with hope for what the future holds. Zen4Blue is growing, and with each new step, we're getting closer to the world we know is possible — a world where our oceans are healthy, thriving, and protected for future generations. We are all in this together, and every one of us has a role to play in saving the ocean.

Thank you for being a part of this journey. The ocean needs us now more than ever, and with your help, we will continue to make waves for positive change.

With gratitude and excitement for what's to come,

Beverly Williams
Founder, CEO





Come Join Us For Our

Earth Day Birthday Party

Come see our new headquarters and celebrate our 2nd birthday! • Live Entertainment Featuring Comedian Tom Wise • Earth Day Theme Drinks and Treats • \$25pp early bird \$35pp at the door • Limited to 20 tickets



FRIDAY
APRIL 25, 2025



TIME
6:00PM - 9:00PM



ST. PETERSBURG
4422 CENTRAL AVE, SAINT
PETERSBURG, FL 33711



GET YOUR TICKETS TODAY!



zen4blue.org/events



[@zen4blue](https://twitter.com/zen4blue)



events@zen4blue.org

Volunteers For Earth Day

It's our Earth Day Birthday! 🌍🎉

Join Zen4Blue in celebrating ocean conservation through education, community, and sustainability!



Event Date: Friday, April 25th, 2025



Location: Saint Petersburg, FL



Time Commitment: 3:00 PM - 9:00 PM (varies by role)

Volunteer Roles:

- Sell Tickets: Promote and sell tickets online and in person.
- Spread the Word: Share event details via social media and distribute flyers locally.
- Event Support: Assist with set-up, clean-up, and guest check-in.
- Engage Guests: Help attendees participate in activities and learn about ocean conservation.

Why Volunteer?

- ✓ Support ocean conservation.
- ✓ Gain event coordination experience.
- ✓ Connect with like-minded individuals.
- ✓ Have fun while making an impact!

How To Apply: Email us at volunteer@zen4blue.org with your name, contact information, and a brief note about why you'd love to be part of this event.

Contact Us



volunteer@zen4blue.org



Zen4Blue.org

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Butterfly Pearl Necklace
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Butterfly Pearl Earrings
Sterling silver



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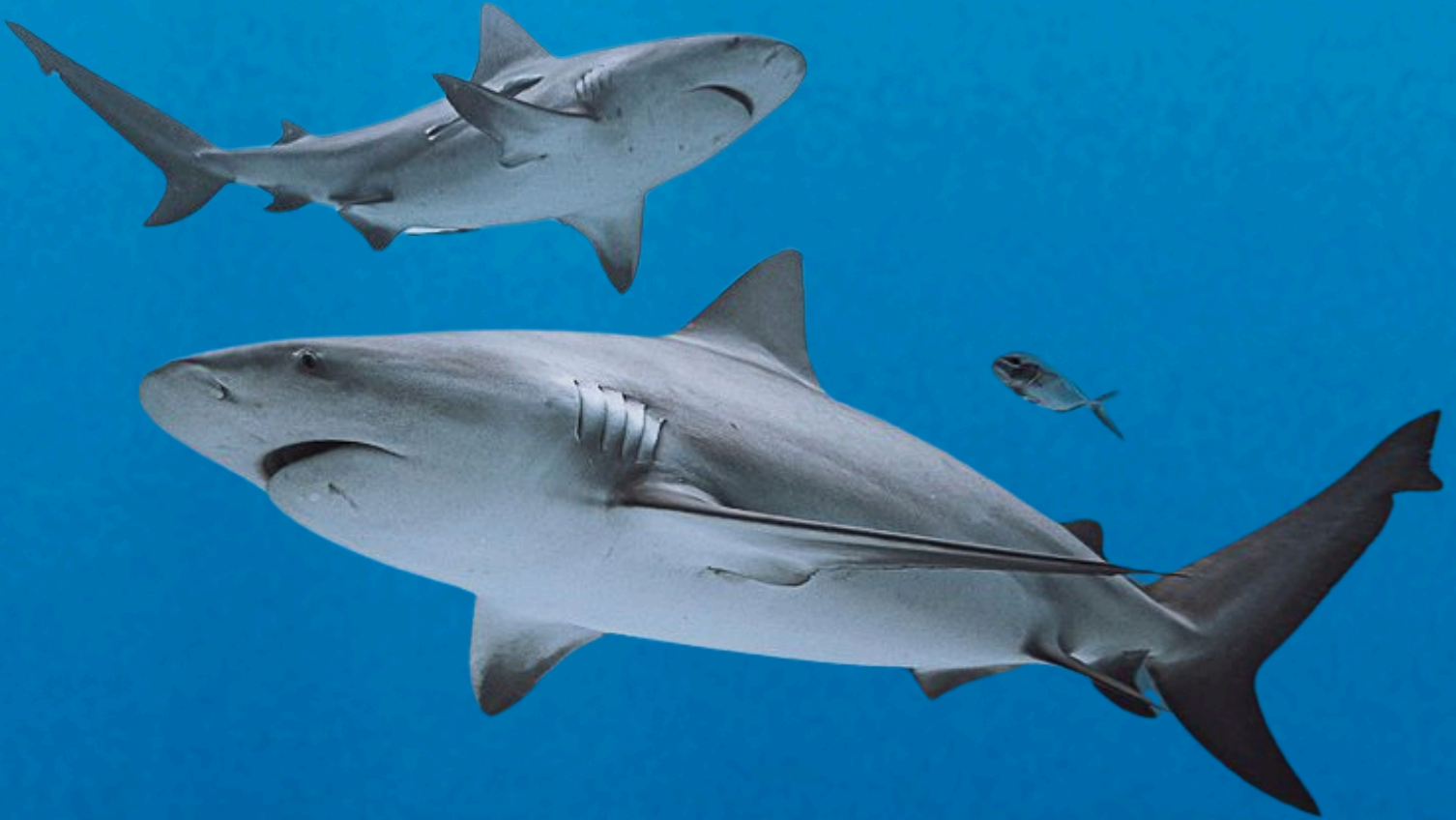
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SHOP NOW

Species Spotlight: Bull Sharks

Bull Sharks: Guardians of Both Ocean and River



Bull sharks are among the most fascinating creatures in the ocean, with the unique ability to thrive in both saltwater and freshwater environments. Found in tropical and subtropical waters across the globe, from the coastlines of Africa to the shores of the Americas, these adaptable predators bridge ecosystems, connecting the ocean to rivers and lakes.

Freshwater Wanderers: Adaptability of Bull Sharks

What makes bull sharks so special is their ability to enter freshwater rivers and lakes. They are one of the few shark species that can survive in low-salinity environments, making them the perfect link between marine and freshwater ecosystems. These sharks are found as far inland as the Amazon River and Lake Nicaragua, helping regulate the balance of both ecosystems by keeping populations of other species in check.





Guardians of the Ocean: Why Bull Sharks Matter

As apex predators, bull sharks regulate the populations of smaller marine species, helping to maintain the health of coral reefs and seagrass beds. These ecosystems are vital to the health of the oceans, providing habitat for countless marine species, supporting fisheries, and storing carbon that helps mitigate climate change. However, bull sharks face significant threats from habitat destruction, overfishing, and pollution, which is why protecting them is essential for the well-being of the ocean's biodiversity and overall environmental stability.

Protecting Bull Sharks

Earth Day is the perfect time to reflect on our collective responsibility to preserve these remarkable creatures and their habitats. Protecting bull sharks not only safeguards a key predator in the food chain but also helps ensure that the oceans remain resilient against the effects of climate change, pollution, and human activities. By supporting efforts to protect bull sharks and their ecosystems, we are taking steps to protect the health of our planet for future generations. Whether through sustainable fishing practices, reducing pollution, or supporting marine conservation efforts, we can all make a positive impact on the health of our oceans and the creatures that call them home.

Nature's Balancers: The Role of Bull Sharks

Bull sharks play a vital role in maintaining the health of these interconnected habitats. As apex predators, they regulate the food chain, preventing overpopulation of certain species and supporting biodiversity. However, their presence in both environments also highlights the interconnectedness of Earth's waterways, making it crucial to protect and restore these vital ecosystems.



Waterways and Wildlife: A Shared Future

As we approach Earth Day, let's all remember how every action we take impacts the planet's water systems. The health of bull sharks and other species relies on clean, undisturbed waterways. Protecting and restoring our rivers, lakes, and oceans isn't just about saving a species—it's about safeguarding the balance of life on Earth.





Sharks in the Jungle: The Amazon's Unexpected Predator

When you think of the Amazon, sharks probably aren't the first thing that comes to mind. But deep within this vast river system swims one of the ocean's most surprising travelers—the bull shark.

Unlike most sharks, bull sharks can survive in both saltwater and freshwater, thanks to a unique ability to regulate the salt levels in their bodies. This adaptation allows them to swim thousands of miles inland from the coast, and they've been found as far upriver as the Amazon Basin.



MILES FOR THE SEA 5K

Join Zen4Blue's **Virtual Marathon** and run for ocean conservation from anywhere in the world! Every step you take helps support marine careers and protect our blue planet.

Run for the Ocean, Race for a Cause!

[REGISTER NOW](#)
[More Information
zen4blue.org](#)

Our Location
4422 Central Ave,
Saint Petersburg, FL 33711

LOVE YOUR OCEAN WATER BOTTLE

Show your love for the ocean with every sip—our limited edition Zen4Blue water bottle supports marine conservation!

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[@zen4blue](#)

Their presence in these freshwater ecosystems makes them top predators, helping to keep species populations in check and maintain balance in the food web. It's a powerful reminder of how Earth's waterways are connected—and how creatures from the sea can shape the health of even the most remote rainforest rivers.





Zen4Blue Ecosystem Info

THE AMAZON ECOSYSTEM

What Is the Amazon Ecosystem?

The Amazon is a vast and biodiverse ecosystem, home to freshwater rivers, floodplains, and an extensive coastline where rivers meet the Atlantic Ocean.

It supports a diverse range of life, from small fish to apex predators like the bull shark.

Apex Predator:

Bull sharks play a key role in maintaining balance within both freshwater and marine ecosystems by regulating fish populations and keeping prey species in check

Environmental Impact:

The Amazon is under threat from deforestation, pollution, and climate change, which affect water quality and fish populations. These changes impact bull sharks and the delicate balance of the ecosystem.



BULL SHARKS

A Unique Predator:

Bull sharks are one of the few shark species capable of surviving in both saltwater and freshwater, making them critical to both marine and river ecosystems.

Adaptability to Different Waters:

They regulate their body's salt levels, allowing them to move freely between rivers and oceans—a rare ability among sharks.

Hunting & Role in the Food Chain:

Bull sharks prey on fish, crustaceans, and even smaller sharks. As apex predators, they control prey populations, preventing overpopulation of certain species and ensuring a balanced ecosystem.

RESTORING THE

The Role of Bull Sharks

By regulating fish populations, bull sharks play a critical role in both rivers and oceans. Protecting their populations is essential for maintaining balance in both ecosystems.

A Thriving Amazon

With bull sharks in the ecosystem, predator-prey relationships are balanced, supporting biodiversity and the health of the ecosystem upon by local communities.

Climate Action

Reducing pollution, protecting breeding grounds, and preserving bull shark populations are critical for preserving the Amazon ecosystem.



WHAT YOU CAN

Support Conservation

Help organizations protecting Amazonian wildlife and their populations.

Reduce Pollution

Minimize plastic waste and chemical use to protect the environment.

Advocate for Environmental

Promote protections for river and marine ecosystems and migration routes.

Educate and

Spread awareness about the importance of ecological balance and how their actions can make a difference.

Geographics: Amazon River



BALANCE

Sharks in Recovery:
Maintain healthy aquatic systems and migration routes ensures stability in ecosystems.

Ecosystem:
Predator-prey relationships remain healthy and the health of fish populations relies on these communities.

Key:
Healthy grounds, and ensuring healthy sharks and the Amazon's unique ecosystem.

SEA & RIVER CONNECTION

A Dual Habitat:

Bull sharks rely on both the Amazon River and the Atlantic Ocean for survival. Young sharks often spend years in freshwater before returning to the ocean.

Threats to Migration:

Pollution, dam construction, and habitat destruction disrupt their migration patterns, making it harder for young sharks to reach the ocean and reducing breeding success.

Balancing Two Worlds:

Their ability to thrive in different environments makes them crucial for studying ecosystem health in both freshwater and saltwater habitats.



WHAT WE CAN DO TO HELP

Conservation Efforts:
Protect Amazonian aquatic habitats and bull shark migration routes.

Pollution:
Reduce plastic runoff to keep rivers and oceans clean.

Environmental Policies:
Enforce policies to ensure bull sharks' habitats remain open.

Educate and Inspire:
Highlight the importance of bull sharks in maintaining ecosystem balance and how their survival connects oceans and rivers.

HUMAN IMPACT & CHALLENGES

Overfishing & Habitat Loss:

Bull sharks are often caught in fishing nets or targeted for their fins, reducing their numbers. Dams and pollution block migration routes, threatening their survival.

Climate Change Effects:

Rising temperatures and changing river flows disrupt their ability to move between freshwater and saltwater.

Protecting the Future:

Sustainable fishing, habitat conservation, and reducing pollution are key to preserving bull sharks and the Amazon's aquatic balance.

Miles For Mimosas 5k

Sunday April 27, 2025

Looking for a great way to start your Sunday morning? Grab your friends and get an early start to your Sunday at the Miles for Mimosa's 5K • \$35 per participant • Good Running • Good Friends • Good Drinks!

To learn more visit us at
zen4blue.org/events

Zen4Blue



Ozan Winery 173 Co Rd 301 Calera, AL US 35040



SCHOLARSHIP

PHME

SCHOLARSHIP PROGRAM



The Post High School Marine Experience (PHME) Program at the Zen4Blue Marine Science Center gives aspiring marine biologists and scientific writers hands-on research experience, mentorship in technical writing, and the chance to publish and present their work. This program is perfect for those who excel outside traditional academics and need financial support to explore marine science careers.

PROGRAM BENEFITS:


- Hands-on research experience
- Mentorship in technical writing
- Publish in the Zen4Blue Journal
- Present at conferences

SPONSORSHIP IMPACT:

- Fund “Zen-ternships”
- Support hands-on projects
- Provide mentorship opportunities
- Shape future marine leaders

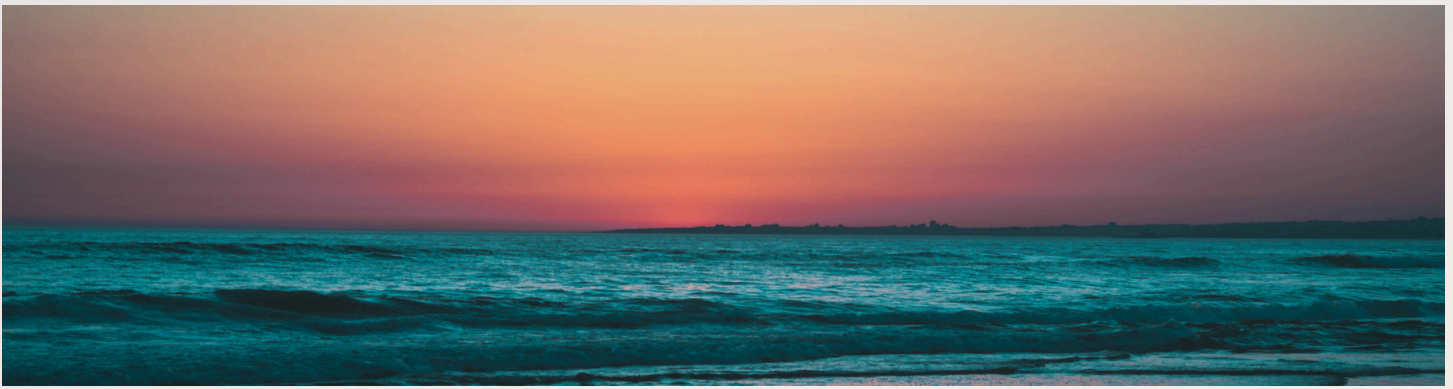
APPLICATIONS OPEN

May 1, 2025

 727.490.8418

 info@zen4blue.org

 4422 Central Ave, Saint Petersburg, FL 33711



Career Highlight: Stormwater Consultant

At Zen4Blue, we love spotlighting marine careers that don't always look like what you'd expect. This month's Career Highlight features David Franklin, a stormwater management consultant who protects ocean ecosystems.

David's job is to manage how rainfall, or stormwater, moves through cities and construction sites. Why? Because "raindrops hit the ground and carry whatever's there to the oceans," David says. That includes pollutants like chemicals, metals, and plastics. His work helps prevent that pollution from ever reaching marine environments.

And here's the best part—stormwater management is a career path young people can absolutely jump into.




"There's a wide range of ways to get started," David shares in our latest podcast episode. You could begin in construction, installing sediment controls. Or you might be trained to collect samples, inspect sites, or help write compliance plans. David explains that most stormwater consultants go through a few days of training—three for industrial work and three for construction—and often start with on-the-job experience.

To make it even easier, David launched Project EDDIE, a beginner-friendly training series designed for people just like you—curious, passionate, and ready to try something new. The courses are accessible, offered online or in-person, and can lead to real opportunities in a growing field.

"Stormwater is about protecting our communities and our oceans," David says. "And there's no end in sight for the need to do this work."

 **Listen to the Balance4Blue career highlight miniseries [here!](#)**

 **New episodes drop regularly—featuring unique marine careers and inspiring professionals like David.**



UPCOMING *Events*



Friday, 6–8pm EST

Earth Day Birthday Party

Come see our new headquarters and celebrate our 2nd birthday! Live entertainment featuring **Comedian Tom Wise** and Earth Day theme drinks and treats

April
25
2025



Saturday, 3–5 pm CT

Earth Day Jewelry Pop-Up

Kick off your Saturday with a jewelry and good vibes! Discover ocean inspired pieces at our upcoming Jewelry Pop-Up!

April
26
2025



Wednesday, 8:00pm EST

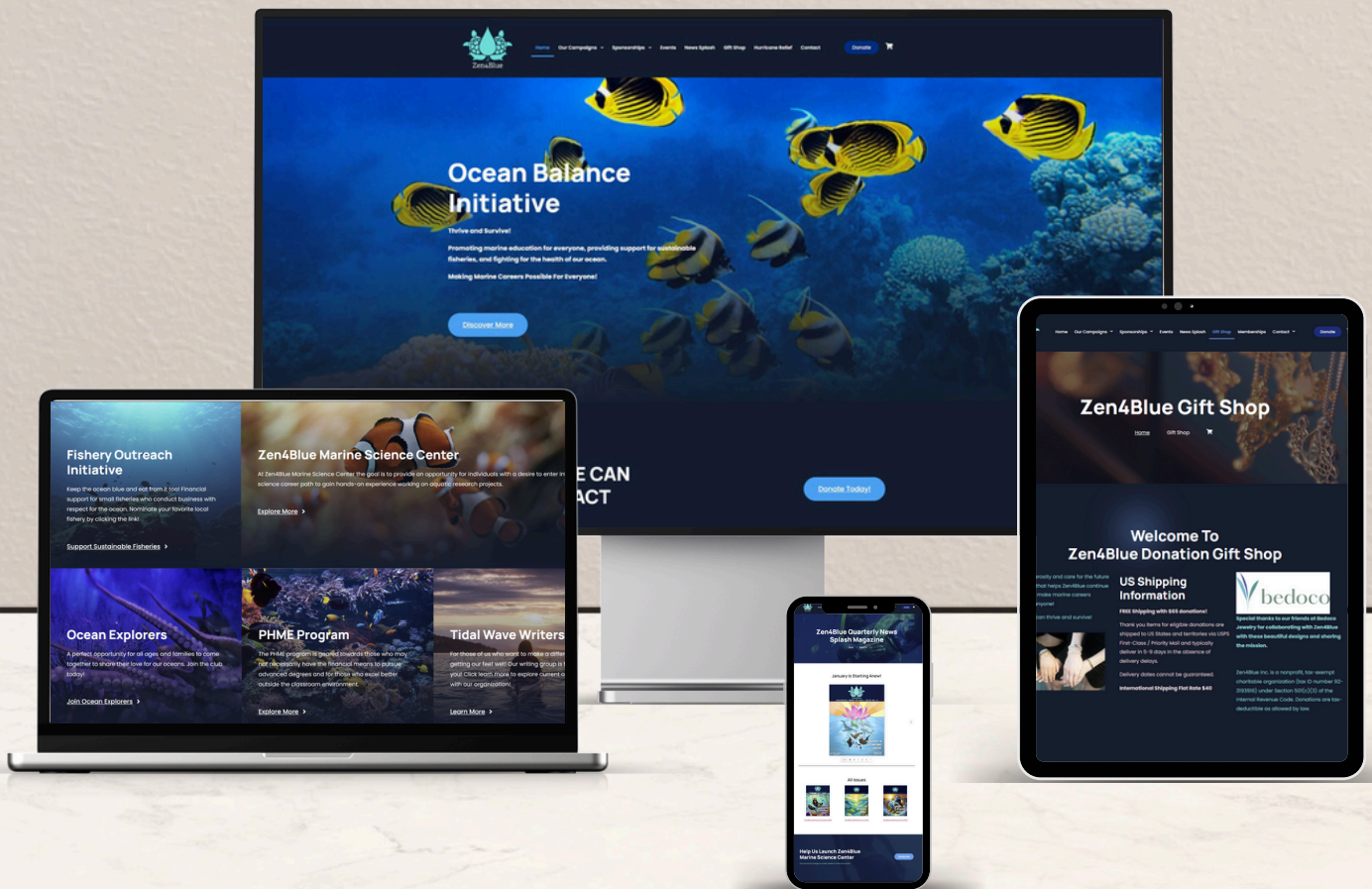
Seaside Tales Virtual Book Club

Join Zen4Blue's Seaside Tales Virtual Book Club as we explore **Essay #4** from *How Far the Light Reaches* by **Sabrina Imbler**.

April
30
2025

zen4blue.org/events

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memberships@zen4blue.org

Thank you

Grateful for a Fantastic Start to 2025!

As we wrap up the first quarter of the year, we want to express our heartfelt appreciation for our Zen4Blue community. Your support, curiosity, and engagement continue to drive our mission forward, creating opportunities for learning, exploration, and connection. Thank you for being part of this journey with us. We're excited for what's to come in the months ahead!

— The Zen4Blue Team

THANK YOU SPONSORS

