



**Simple technologies & key partnerships for
unparalleled marine ecosystem data collection**

Marine Ecosystems are **Failing**

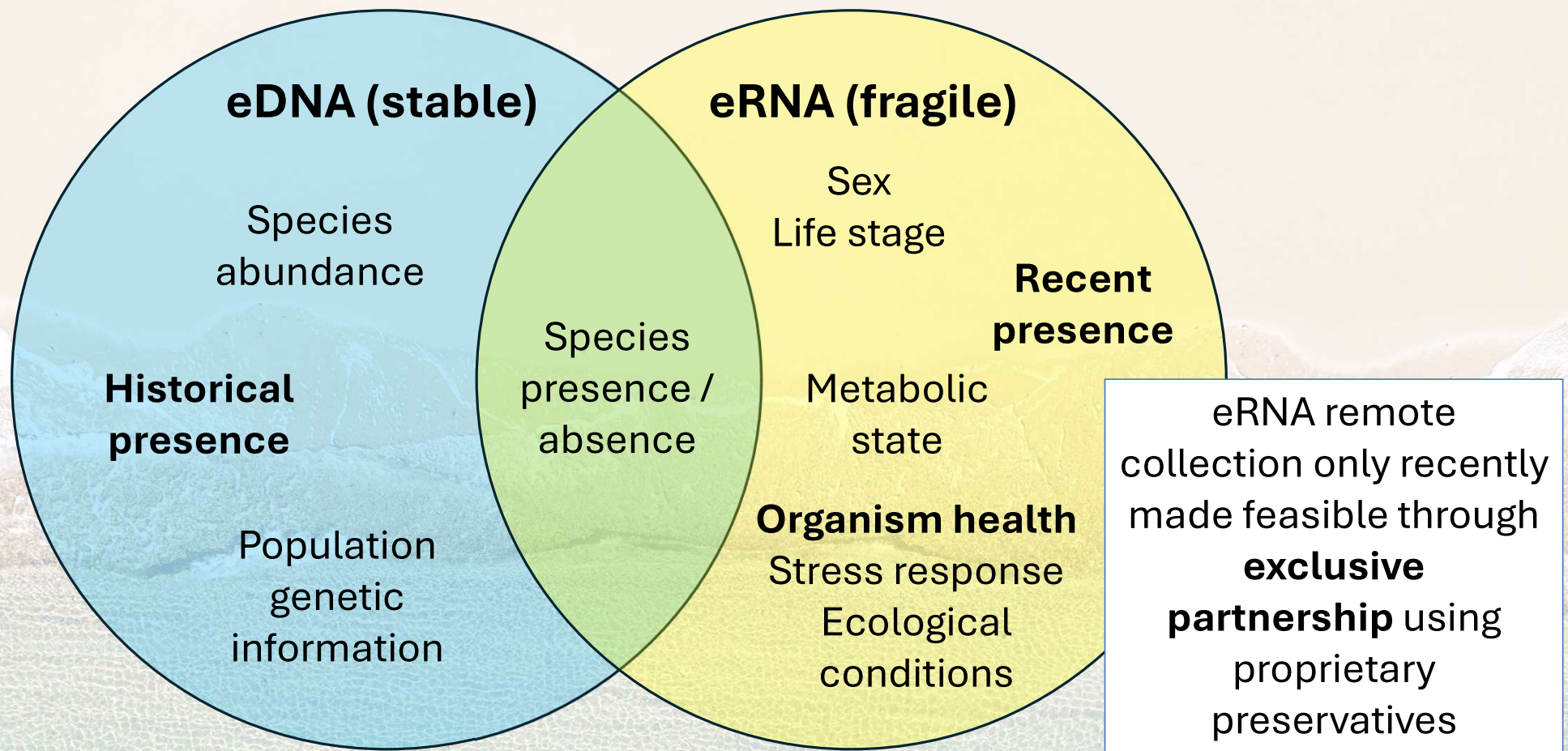
Biomonitoring needs better ROI

Traditional ecosystem assessment tools
miss critical data

Environmental DNA profiling provides
a valuable, incomplete picture

Simple, boring technology has recently enabled environmental RNA
profiling that will bring **cutting edge environmental genetic profiling at
the most critical time**

Environmental DNA is Half the Picture



Raising the Bar in Biomonitoring

Why us? Why now?:

- Marine ecosystems have **never been more dynamic** in human history
- RNA processing and analysis (transcriptomics) only recently reached a viable scale
- Our partner, **EQO**, has invented a **proprietary RNA preservation buffer**, making remote sample collection feasible ***for the first time***



Introduction to Expedition Audacity

Who We Are:

- **World's first providers of environmental DNA and mRNA samples** from the most vital regions of the world oceans
- **Facilities:** We operate on a **100-foot environmentally-friendly sailing vessel**
- **Connections:** Partnerships permitting sample collection in remote and protected waters
- **Technology:** Enabling technology partners to collect the first environmental mRNA samples (a new realm of untapped data)



Meet Our Leadership Team

Founders



Chris "Red" Redman

CEO

Captain Expedition Audacity
Retired Paramedic & Firefighter



Major Colin Bettis

COO

Director of Outreach, NRO
Commercial Office



Kristen Korhonen

CFO

Vice-President BMO



Natalie Schmitt

CSO

Professor McMaster
University

Advisors



Sylvia Earle

Mission Blue



Fabien Cousteau

Proteus Ocean Group



John Higley

CEO of EQO



Sean Bedingfield

Genetics Specialist

Successfully Managing



BMO



ThermoFisher
SCIENTIFIC

McMaster
University

Paths to Revenue

- **Growing Demand for Sustainable Investments:** **The sustainable investment market is projected to reach \$50 trillion by 2025**, driven by growing interest in biomonitoring opportunities.

Initial revenue

Contracted
biomonitoring:
"Sampling as a Service"
through **exclusively
licensed of eRNA
technology**

Scaling revenue

Royalties on EQO
supplies for marine use

Passive revenue

Sample repository of
appreciating value for
contracted access

Customer Profiles

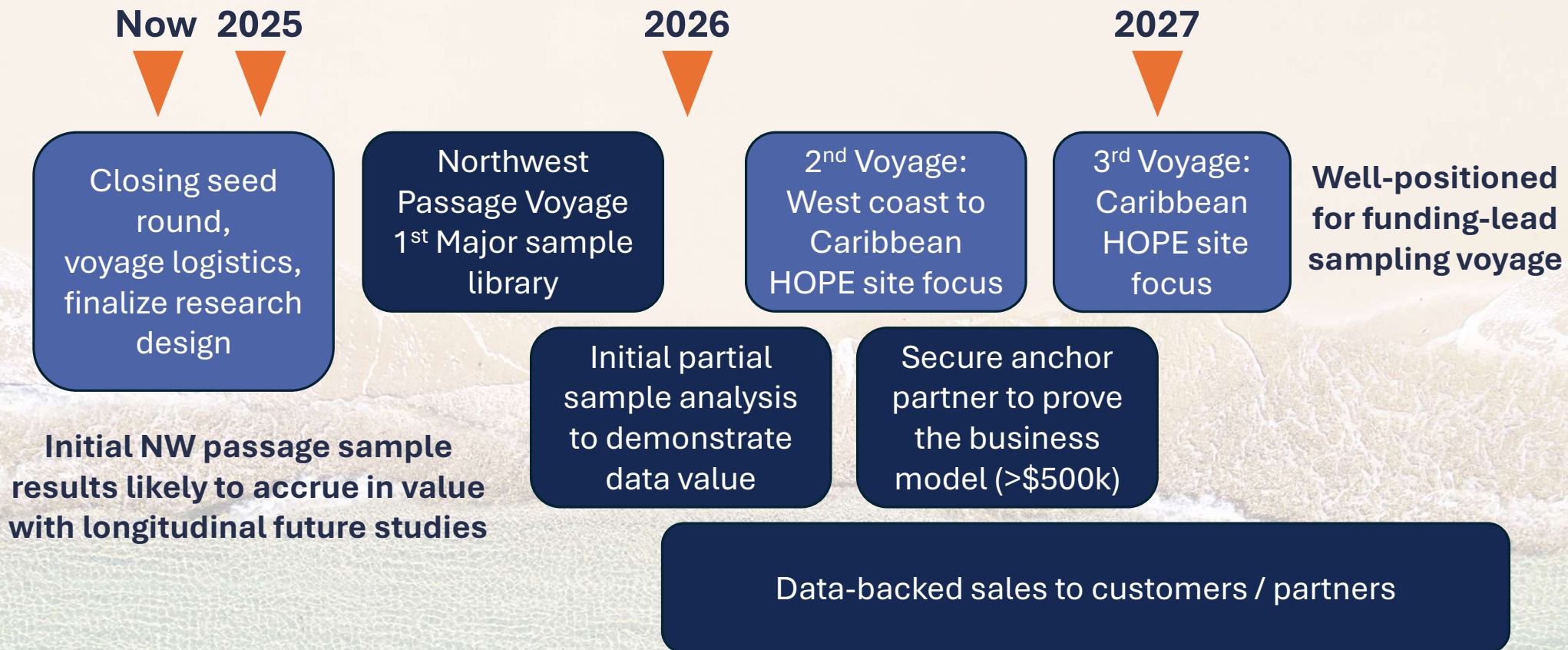
Governing bodies	NGOs	Private industry
Monitor protected areas	Identify unappreciated ecological impact	Regulatory compliance
Assess recovery efforts	Monitor protect areas	Corporate social responsibility
		Enhanced risk assessment

Inaugural Voyage: Tour de Force

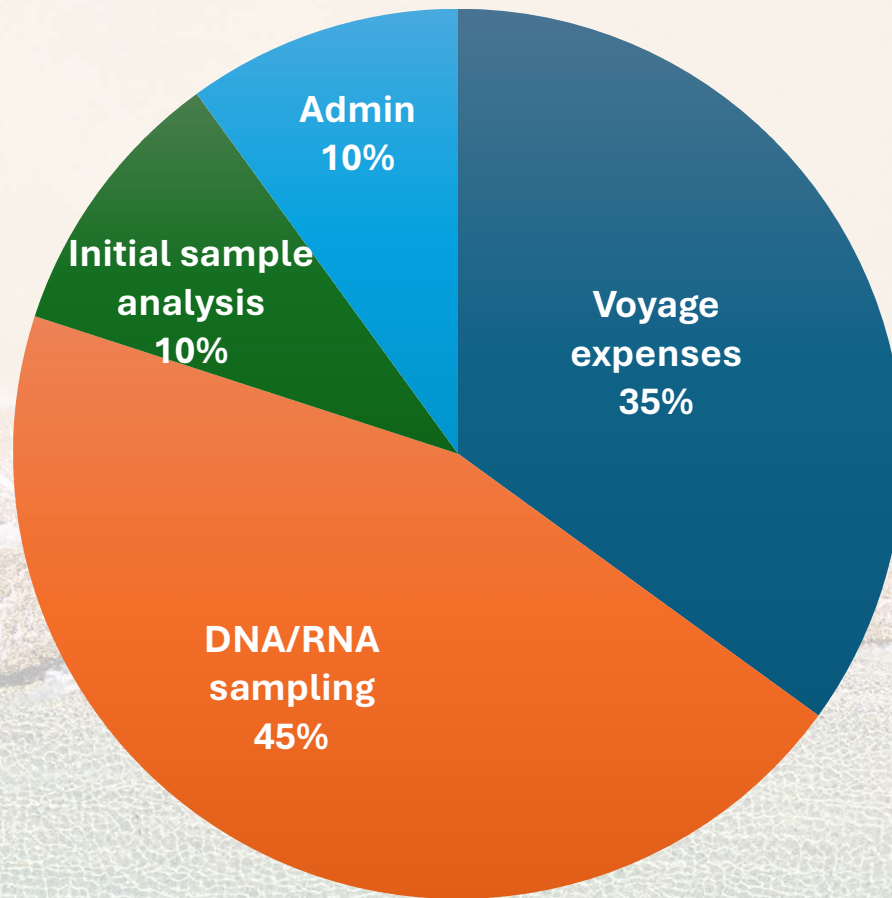


Navigating the **Northwest Passage** collecting samples from the most **remote, dynamic** protected areas in the world to demonstrate value of data in areas of global attention

Timeline to First Customer Funding



Seed Round Budget



**Seed round to fund
through first voyage to
first >\$500k partner
ahead of following round**

Projections

	Year 1	Year 2	Year 3	Year 4	Year 5
# of Customers	0	3	5	10	25
# of Employees	0	2	3	4	10
Sales	\$0M	\$0.5M	\$2.5M	\$3.5M	\$10M
Expenses	\$1.5M	\$1M	\$1.5M	\$2M	\$5M
Profits	\$0M	\$0M	\$1M	\$1.5M	\$5M

Seeking Connected Investors

Funding a \$1.5M seed round

Covering key equipment, 10 months of operation, comprehensive genetic sampling of the Northwest Passage (New York to Seattle), sample storage for two years, initial sponsored research to demonstrate value of the database

Anchor investor option: Naming rights for the company / repository
"The YOUR NAME Marine Genetic Repository"

Non-Profit Community Impact

Expedition Audacity includes a nonprofit arm dedicated to marine conservation and global community engagement. Our initiatives focus on scalable science, maximizing our global impact through strategic education & conservation partnerships.



Extra vessel space dedicated to **ocean researchers & conservation partners**



Developing **3D/VR education curriculum** alongside children's hospitals



In-person and virtual **Education & Outreach** engagements



Partners & Supporters





Thank you!



**For more information visit
our website by scanning
right or contact Captain
Red below.**

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E-Mail: captainred@expeditionaudacity.com



****Please see Supplementary Slides below for further in-depth information.****

Supplementary Slides

The background of the slide features a photograph of a rugged coastline. In the foreground, there is a body of water with a greenish-blue, textured surface. A line of dark, jagged rocks runs horizontally across the middle of the image. White foam from breaking waves is visible at the base of the rocks. The sky above is a pale, hazy yellow, suggesting a bright but overcast day.

Introduction to Expedition Audacity

Expedition Audacity is an **ocean research and conservation foundation** focused on innovative methods for exploring and educating about fragile marine ecosystems.



As a sailing marine research vessel, we serve as a free, eco-friendly platform for **critical researchers & conservationists** driving global impact in climate change & biodiversity loss.

The Sustainability Problem with Traditional Ocean Research Vessels

Traditional marine research vessels **rely on fossil fuels**, causing pollution and high costs. Expedition Audacity offers a solution with **an eco-friendly sailing vessel** that cuts emissions, reduces fuel use, and lowers operational expenses, aligning research methods with environmental goals.



Our Persistent Sailing Vessel



Expedition Audacity will retrofit its vessel with a hybrid biodiesel/solar-electric system, aiming for net-zero emissions. While using sail power for 95% of the journey, fuel consumption will be minimized, and emissions data will be transparently tracked and shared in real time.

Our Objectives

Sustainable Ocean Research & Outreach

- Prove the scalable use of eco-friendly vessels for marine research.
- Maximize research impact and minimize costs through efficient design.

Drive Scientific Discovery

- Collect marine genetic data with EQO, Inc. to fight climate change and biodiversity loss.

Expand Global Reach

- Capture the expedition in films and grow education programs using VR/3D tools.



Sustainability

Expedition Audacity Sustainability Program:

- **Eco-Commitment:** Reduce emissions, use renewable energy, and manage waste.
- **Community Collaboration:** Build partnerships with indigenous communities.
- **Local Support:** Pre-order provisions and ensure fair compensation for local economies.
- **Long-Term Impact:** Focus on lasting positive effects on ecosystems and communities.



Platform for Sustainable, Scalable Research

The next generation of researchers faces challenges in restoring ecosystems and addressing climate impacts.

- Expedition Audacity provides a **sustainable sailing vessel** for 30 to 40 researchers annually at no cost, reducing CO2 emissions and broadening access to research.
- We support diverse initiatives like **biodiversity monitoring and climate change mitigation** for marine conservation.
- These projects enhance ecosystem understanding and promote sustainable marine research.



Education & Outreach: Inspiring The Next Generation of Explorers



- Partnering with **Exploring By The Seat Of Your Pants**, we share our mission globally.
- We transform STEAM+ curricula and expand access for diverse learners through virtual exchanges.
- We create **equitable education spaces** with local communities.
- By involving students in expeditions, we inspire future scientists through real-world exploration.

Collaborative Initiatives: Transformative Education with **Virtual Reality**

Innovating Healing Through Exploration

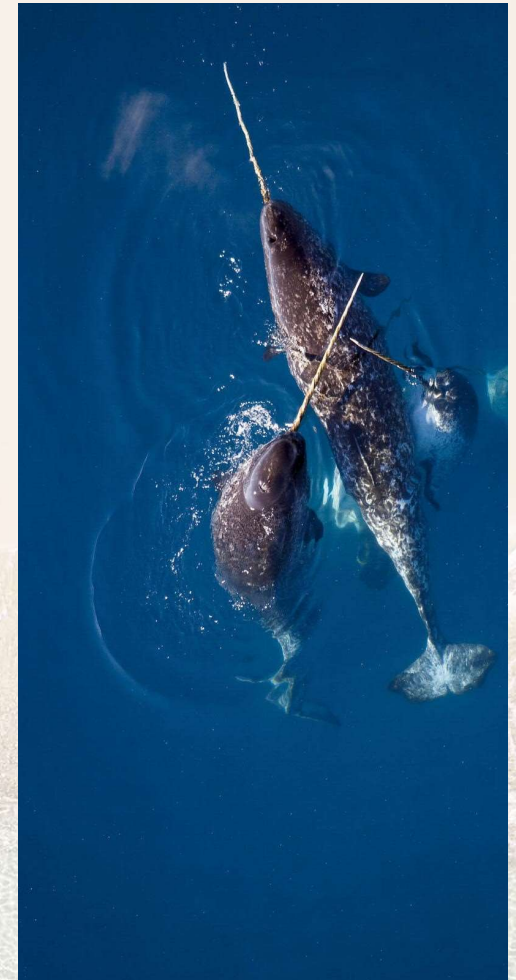
- Partnering with **National Geographic Explorers and Stanford Children's Hospital**, we're **creating a 3D/Virtual Reality curriculum for children's hospitals**.
- This program captures life-like experiences from remote locations, providing exploration access from their rooms.
- From mountain heights to ocean depths, it offers hospitalized youth a virtual window to the world alongside our crew.





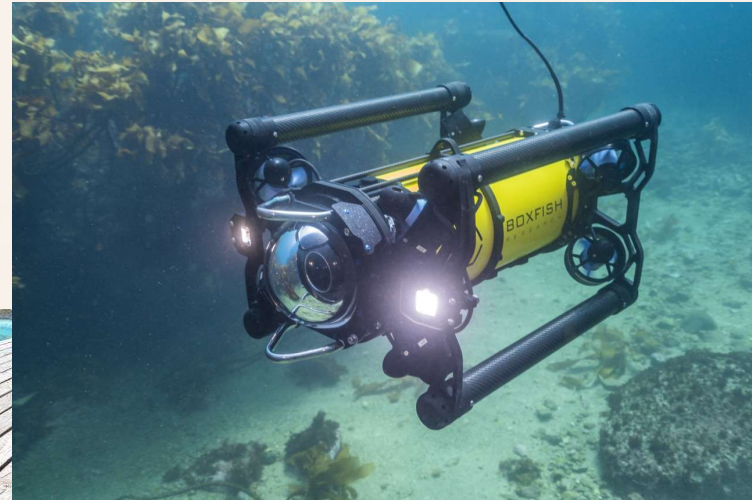
A Special Expedition with Make-A-Wish Canada

- Expedition Audacity, in collaboration with Make-A-Wish and narwhal expert Dr. Martin Nweeia, is **fulfilling a child's wish** by taking their family on an adventure in the Northwest Passage.
- This expedition offers the child a chance to engage with narwhals in their natural habitat and participate in their dream research project while connecting with the Arctic's wilderness.
- By combining marine exploration with the power of hope, we aim to create cherished family memories.



ROV Programs: Advancing Science & Cinematics

Our remotely-operated vehicles (ROVs) will feature 4K cameras and tools for scientific exploration and video production, reaching depths of up to 1000 meters.



This technology integration, along with our documentary and VR education programs, aims to bring unique ocean experiences to classrooms and audiences worldwide.

2024 Route Highlights

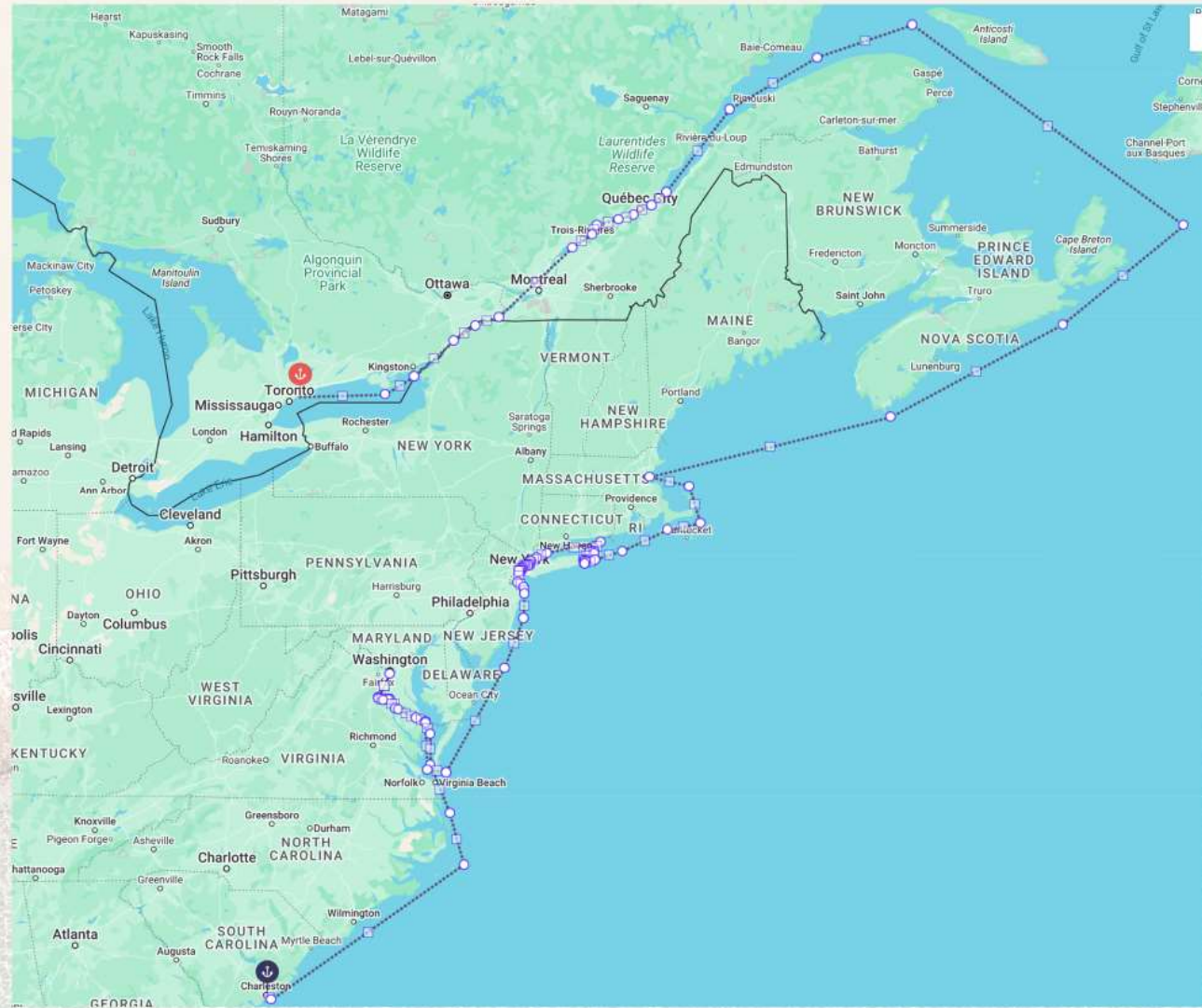
November

- Depart Toronto – Canada
- Saint Lawrence Sea Way Hope Spot - Canada
- Boston – USA
- Farm Pod Hope Spot Project – USA

December

- Shinnecock Bay Hope Spot – USA
- New York New Jersey Harbor Estuary – USA
- Washington D.C. – USA
- Charleston S.C. – USA – Expedition Wrap

This is a limited crew Expedition on R/V Stanley



2025 Route Highlights

January

- Launch from Athens – Greece
- Lesvos Hope Spot – Turkey
- Wider Vatika Bay Hope Spot – Greece

February

- Aeolian Islands Hope Spot – Italy

March

- Canyon of Caprera Hope Spot – Italy
- Monaco Ocean Week

April

- Alboran Sea Hope Spot – Spain
- Vilanova I la Geltru Hope Spot – Spain

May

- Balearic Islands Hope Spot – Spain

June

- UN Ocean Conference – France
- Tenerife La Gomera Hope Spot – Tenerife

July

- Azores Archipelago Hope Spot – Portugal
- Mako Shark Metropolis Hope Spot – USA
- Southeast Grand Banks Hope Spot – Canada
- Fogo Island Hope Spot – Canada

August

- Northwest Passage Hope Spot – Canada
- Make-A-Wish Narwhal Expedition – Nunavut

September

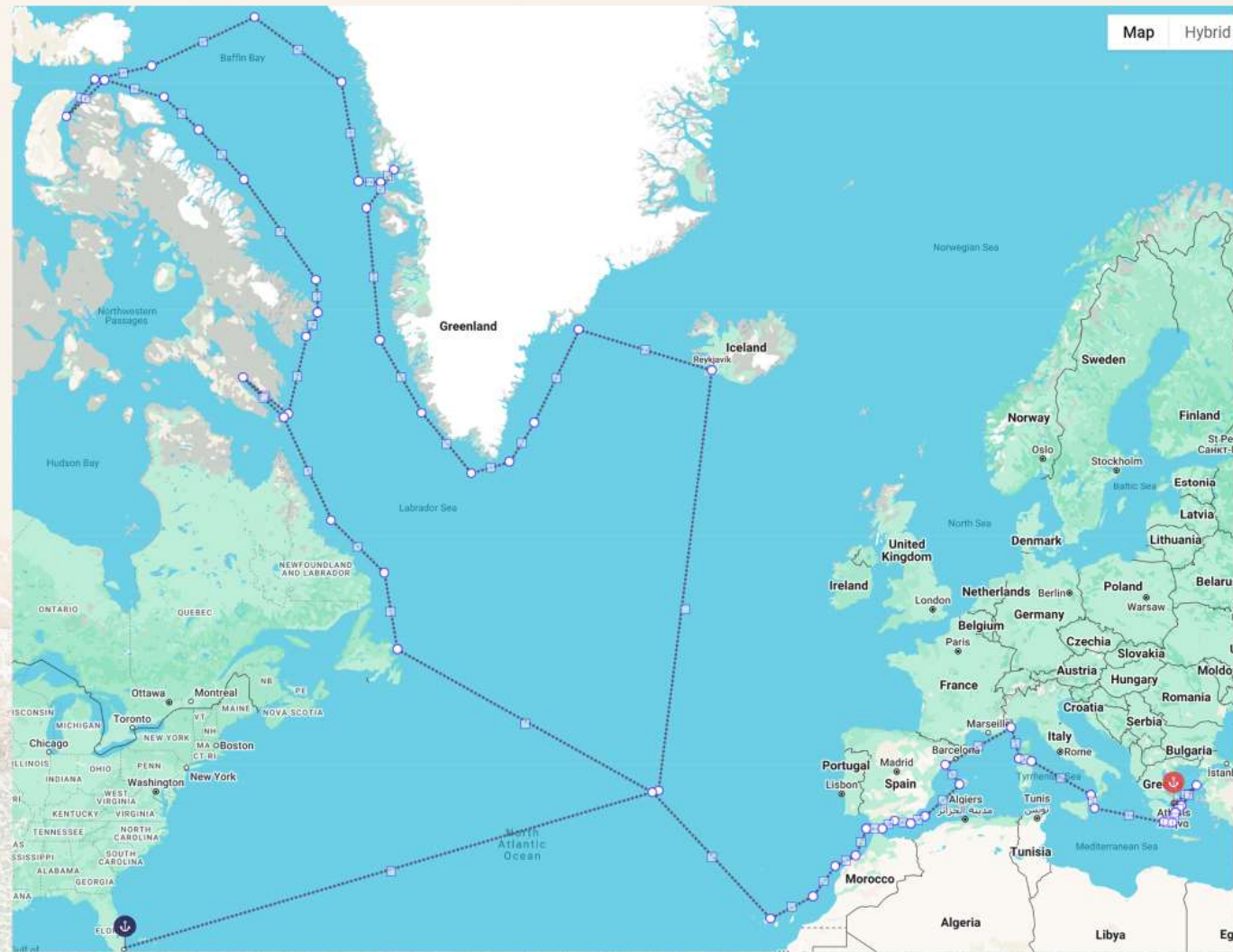
- Greenland

October

- Northeast Iceland Hope Spot – Iceland
- Arctic Circle Assembly – Iceland

November

- Azores Archipelago Hope Spot – Portugal
- 2025 Expedition Wrap Florida



Jan to June 2026 Route Highlights

January

- Launch from FIU in Miami – USA
- Coastal Southeast Florida Hope Spot – USA
- Florida Keys Hope Spot – USA
- Florida Gulf Coast Hope Spot – USA

February

- Mississippi River Delta – USA
- Flower Garden Banks Natl Marine Sanctuary - USA
- Padre Island National Seashore – USA

March

- Gulf of Mexico Reefs Hope Spot – USA/ Mexico
- Sain Ka'an Biosphere Reserve – Mexico
- Cenote – Mexico
- Guanahacabibes National Park Hope Spot - Cuba

April

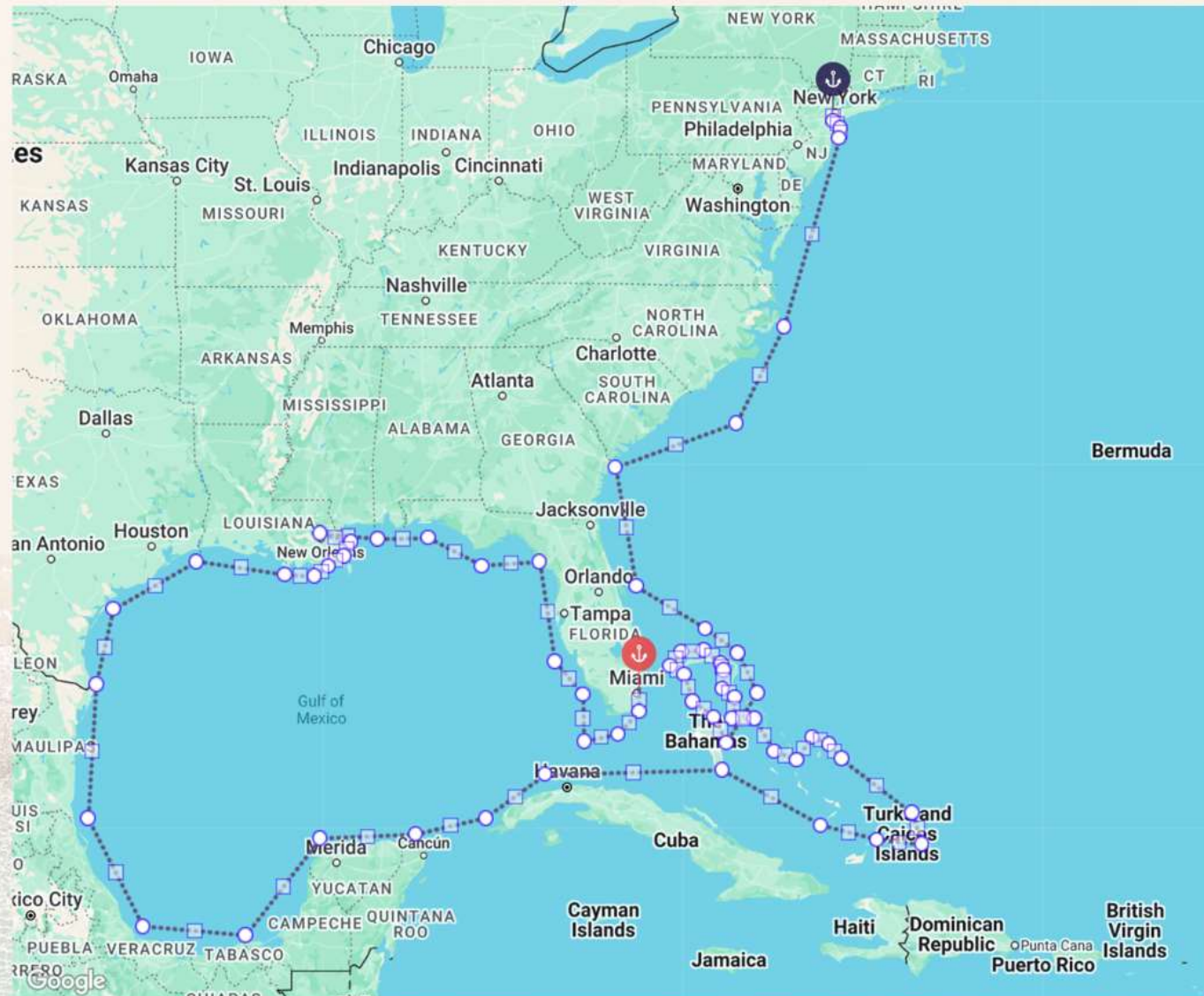
- Long Island Marine Hope Spot – Bahamas
- Bahamian Reefs Hope Spot – Bahamas
- Egg Island Hope Spot – Bahamas
- Ocean Kay Hope Spot - USA

May

- Georgia Shelf Hope Spot – USA
- Hatteras Hope Spot – USA
- New York New Jersey Harbor Hope Spot – USA

June

- Arrive NYC for Oceans Week – USA
- Expedition Wraps



June to Nov 2026 Route Highlights

June

- World Ocean Week Launch NYC – USA
- Shinnecock Bay Hope Spot– USA
- Farm Pond Hope Spot – USA
- Cashes Ledge Hope Spot – USA

July

- Southeast Shoal Hope Spot – Canada
- Fogo Islan Hope Spot – Canada
- Hudson & James Bay – Canada
- Artcirq Circus Igloodik – Nunavut

August

- Northwest Passage Hope Spot – Nunavut
- Auyuittuq – Nunavut
- Nirjutiqavvik – Nunavut
- Aulavik – Nunavut
- Queen Maud Gulf - Nunavut

September

- Chukchi Sea Hope Spot– Canada & USA
- Wilutian & Aleutian Islands – USA
- Gulf of Alaska/ Kenai Fjords – USA
- Kodiak Archipelago – USA
- Prince William Sound Hope Spot - USA

October

- Hecate Strait & Glass Sponge Reef Hope Spot – CAN
- Scott Islands Hope Spot – Canada
- Salish Sea Hope Spot – Canada

November

- Victoria B.C. – Canada
- Expedition Wraps

