

Around the Americas

An Environmental Expedition with a Purpose



Introduction

The Around the Americas (ATA) is a 14-month expedition to circumnavigate North and South America on a 48-foot sailing vessel named ONE OCEAN. In 2009-2010, Captain Mark Schrader successfully completed the route that this expedition will follow - the mission being to visualize North and South America as ONE ISLAND and the oceans surrounding it as ONE OCEAN. The ATA team will depart in May 2025 to address humankind's critical relationship with our ocean.

Project - Around the Americas

Using low-impact, energy-efficient marine technologies, the team of scientists, educators and storytellers on the expedition Around the Americas will share a continuous collection of data and research on protecting and restoring ocean biodiversity and to raise awareness about the state of our ONE OCEAN. This continuous feed of scientific data will be shared with scientists, educators, students and ocean enthusiasts. Dr. Maycira Costa from the University of Victoria will conduct a continuous kelp study around North and South America. University of Washington's Applied Physics Laboratory has proposed studying phytoplankton, weather and surface heat flux, wave and ocean/atmosphere properties, and high-resolution satellite imagery following the sailboat. (*Some of this research will depend on equipment donations.)

ONE OCEAN and crew will depart in May 2025 from Anacortes, WA, to Victoria, B.C., to participate in the International Seaweed Symposium. The voyage will then transit the Northwest Passage en route to the COP30 Climate Change Conference in Brazil in November 2025. The expedition will navigate around Cape Horn and sail along the west coast of South America before completing the circumnavigation in Anacortes. The educational outreach will include live broadcasts, social media posts, education videos, school visits, and lectures in over 50 coastal cities and communities.



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- Tik Tok - [OnelndOneOcean](https://www.tiktok.com/@OnelndOneOcean)
- website - www.oneislandoneocean.com

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Student Collaboration

Skagit Valley College's Marine Technology Center has a student-led refit program for the 48-foot Ketch. They will pull the boat out for a quarter and learn about rigging, a full engine replacement, electronics, and other onboard systems.

A science-based curriculum will be developed for school districts in the Skagit Valley, allowing students from kindergarten through college to connect with and engage with the Around the Americas Project.

Students will learn and contribute to the project on all levels, from the boat refits, communications, education outreach, and onboard scientific data collection. The students of Skagit Valley care and would like to make a difference.

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Science & Education

The expedition is partnering with the Skagit Valley College, Marine Technology Center, University of Victoria, and the Applied Physics Lab from the University of Washington. All data collected will be open-sourced and available to teachers, schools, and institutions.

Education outreach will be utilized and shared through daily social media posts, education videos, and school visits en route. Some examples include:

Website ♦ Blogs ♦ Articles ♦ YouTube

Instagram ♦ Tik Tok ♦ Facebook

The expedition aims to actively engage audiences of all demographics, emphasizing school-aged children, adults, and ocean enthusiasts.

Science and Education

Connecting One Island and One Ocean

- Interactive Learning
- Connecting at 50+ Ports
- Social Media Platform
- Open Education Platform
- Shared Stories
- Universally Shared Science Research

On Board Research

University of Victoria, BC

- A Pole to Pole Kelp Study

The Applied Physics Lab, University of Washington

- Imaging FlowCytobot for phytoplankton study
- Meteorological station for weather and surface heat flux calculation
- Buoy deployment for wave studies and ocean/atmosphere properties
- High-resolution satellite imagery following the sailboat and/or Insta360 X4 video footage

Project Partners

- Skagit Valley College Foundation
- Skagit Valley College
- Marine Maintenance Technology Center
- The University of Victoria
- University of Washington Applied Physics Laboratory
- Skagit Valley School Districts:
 - Burlington-Edison
 - Anacortes
 - Mount Vernon
 - Conway
- Amazon Web Services (AWS)
- OceanPlanet Energy

How to Contribute

For tax-deductible contributions contact the

SVC SKAGIT VALLEY COLLEGE
Foundation

The Skagit Valley College Foundation (SVC) is the fiduciary IRS 501 (c)3 nonprofit partner for Around the Americas. Contributions to SCV Foundation noted for ATA are tax deductible. The Foundation is a non-profit organization that works to identify, promote, receive, and manage all gifts to Skagit Valley College. Thanks to our generous community, SVC. Your support makes a positive impact on students' lives.

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How to Contribute

To contribute to the project, please email
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at
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Or you can direct deposit through
VENMO @ oneislandoneocean

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Sponsorship opportunities are available.