

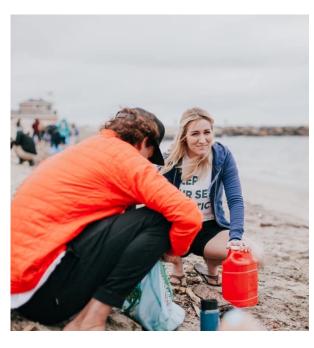
ABOUT ME - KATIE ALLEN



Born & Raised in Long Beach, CA



Career as Musician & Assistant to VP Warner Bros Records



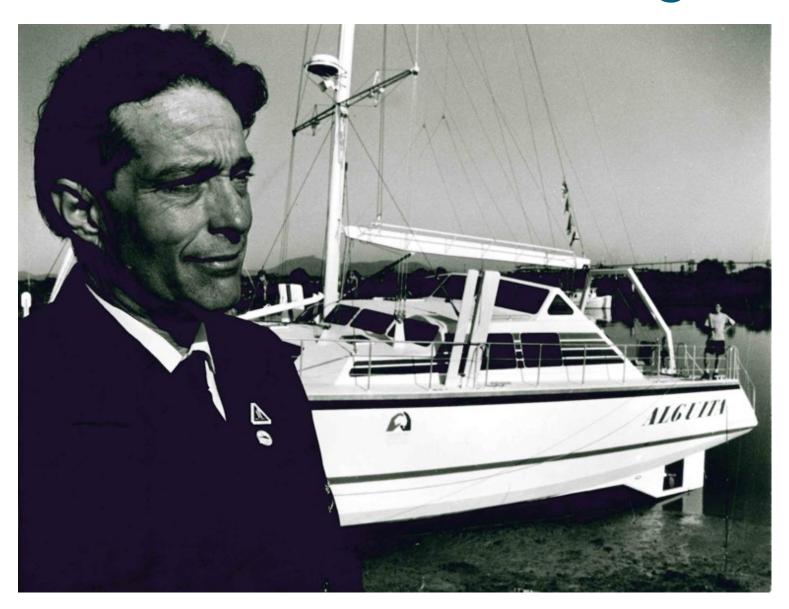
After seeing Charlie on David Letterman in 2010, joined Algalita as Education Director. Became Executive Director in 2016.



Married in 2013, two boys - now 7 and 11.

15 YEARS AT ALGALITA!

CHARLES MOORE / Long Beach, CA



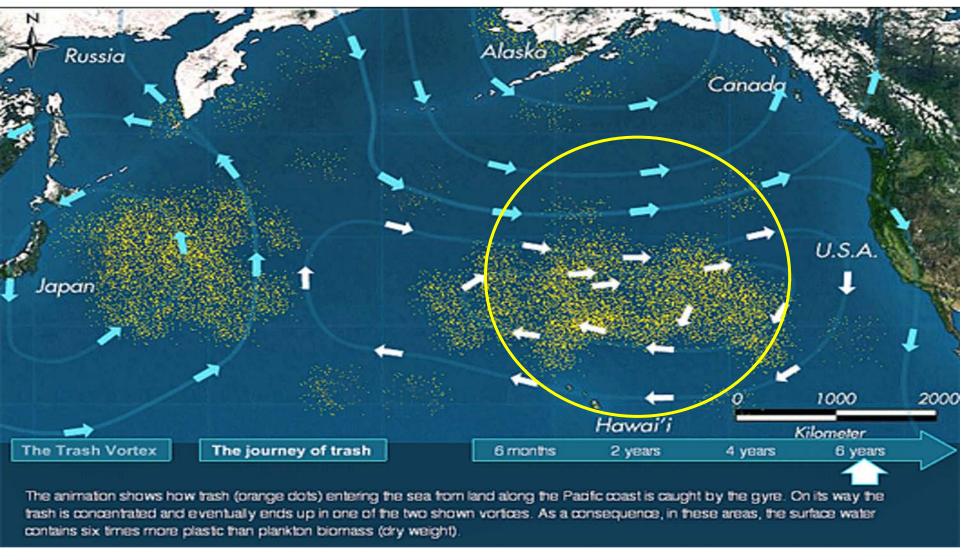
FOUNDED ALGALITA IN 1994



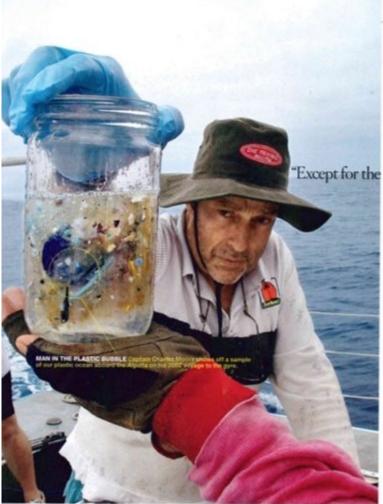
KELP RESTORATION ALONG SO. CA & BAJA



1997 TRANSPAC RACE







was awake at the time, and 800 miles north of Hawaii

It happened on August 3, 1997, a lovely day, at least

in the beginning: Sunny. Little wind. Water the color of

sapphires. Moore and the crew of Alguita, his 50-foot

Returning to Southern California from Hawaii after

aluminum-hufed catamaran, sliced through the sea.

a sailing race, Moore had altered Alguita's course, veering slightly north. He had the time and the curiosity to try a new route, one that would lead the vessel through the eastern corner of a 10-million-square-mile oval known as the North Pacific subtropical gyre. This was an odd stretch of ocean, a place most boats purposely avoided.

For one thing, it was becalmed. "The doldrums," sallors called it, and they steered clear. So did the ocean's top predators: the tuna, sharks, and other large fish that required livelier waters, flush with prey. The gyre was more like a desert-a slow, deep, clockwiseswirling vortex of air and water caused by a mountain of high-pressure air that lingered above it.

The area's reputation didn't deter Moore. He had grown up in Long Beach, 40 miles south of L.A., with the Pacific literally in his front yard, and he possessed an impressive aquatic résumé: deckhand, able seaman, sallor, scuba diver, surfer, and finally captain. Moore had spent countiess hours in the ocean, fascinated by its seen a lot of things out there, things that were giorious and grand; things that were ferocious and humbling. But he had never seen anything nearly as chilling as what lay ahead of him in the gyre.

stew of plastic crap. It was as though someone had taken the pristine

What did it mean? If the questions seemed overwhelming, Moore would soon learn that the answers were even more so, and that his discovery had dire implications for human-and planetary-health. As Alguits glided through the area that scientists now refer to as the "Eastern Garbage Patch," Moore realized that the trail of plastic went on for hundreds of miles. Depressed and stunned, he sailed for a week through bobbing. toxic debris trapped in a purgatory of circling currents. To his horror, he



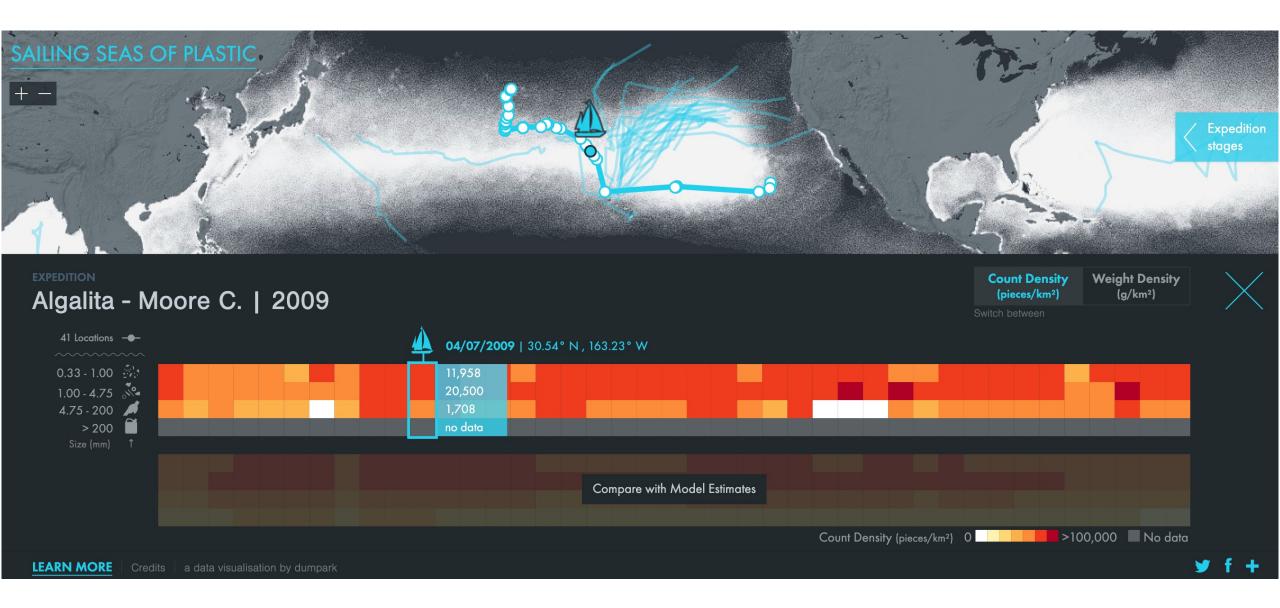




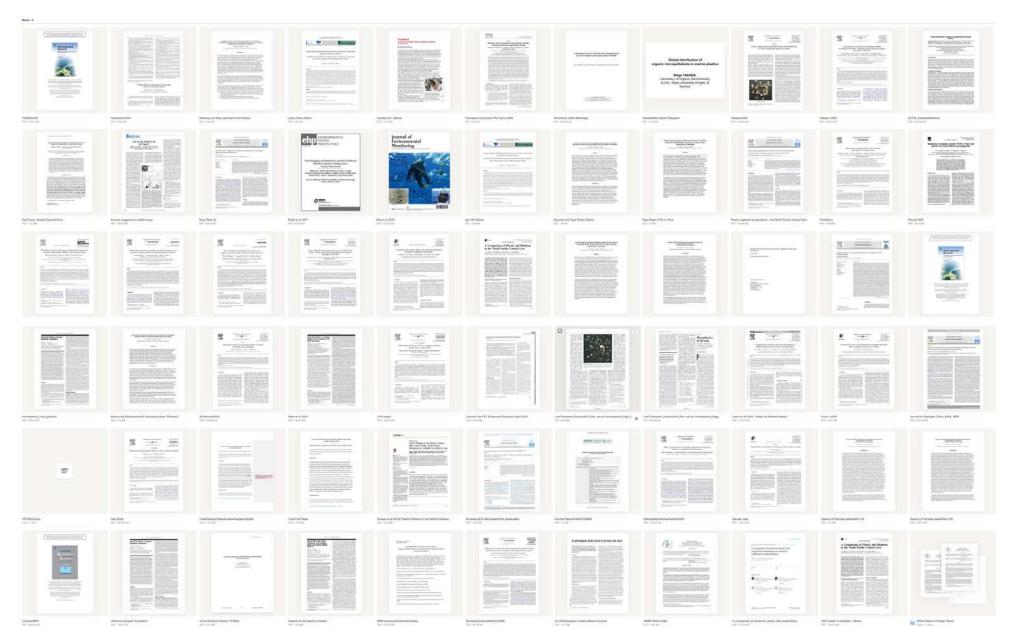


in the Pacific Ocean.

1999 – 2019 / 12+ NPG Monitoring Expeditions

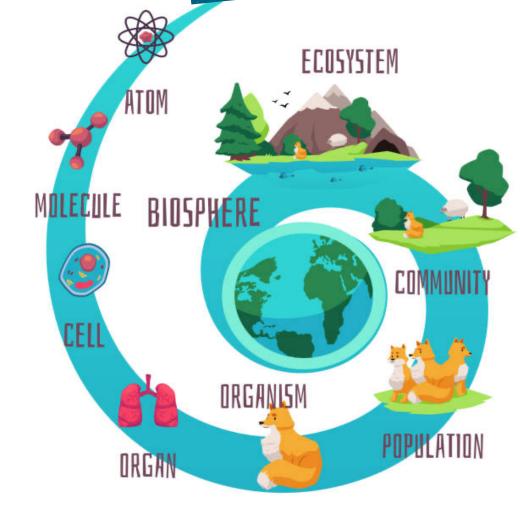


DOZENS OF PEER-REVIEWED









NEW VISION

2015 - 2020

OCEAN

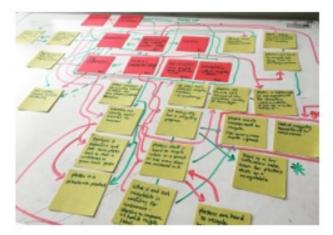
BIOSPHERE







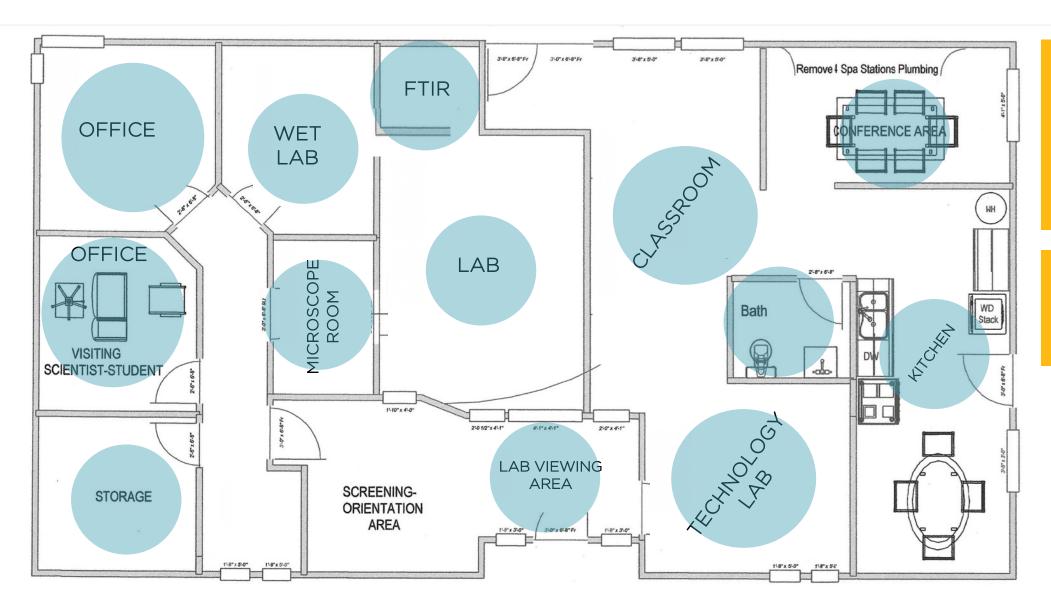








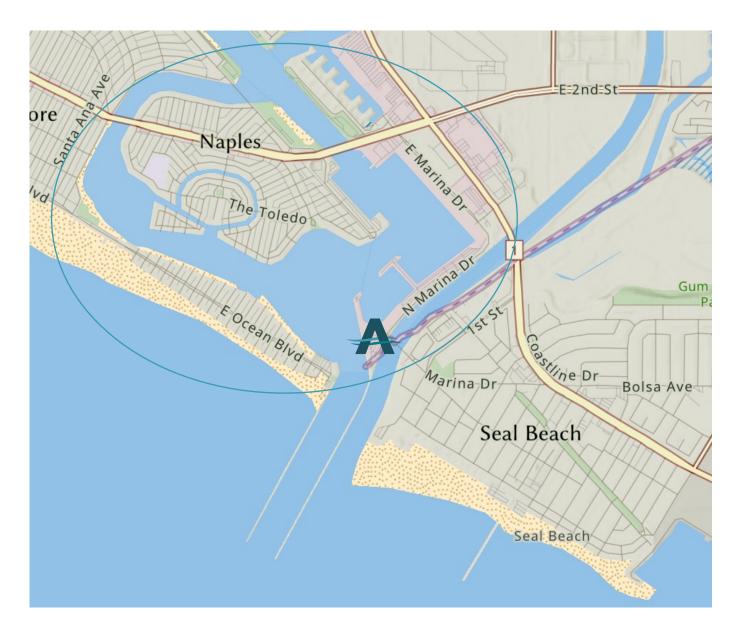
Moore Plastic Pollution Research & Learning Center



ALGALITA OFFICE 430sq ft

> PROTO LAB 264sq ft

LOCATED AT THE ENTRY POINT TO ALAMITOS BAY



KAYAK EXPLORERS OCEAN SCIENCE PROGRAM







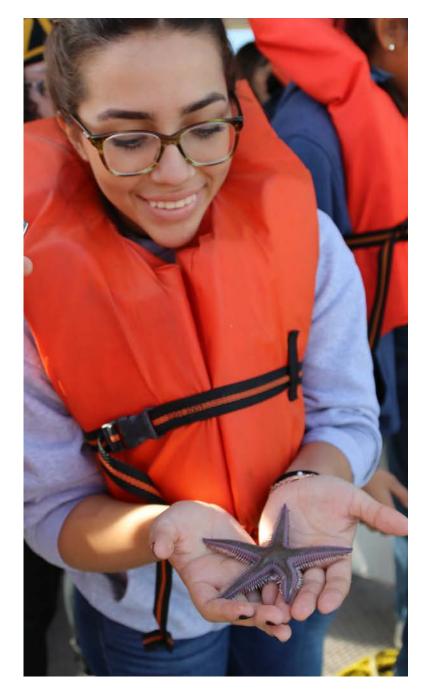
















OCEAN ACTION LEADERSHIP CAMP

Join us for an engaging FREE summer experience—where 60 Long Beach youth dive into hands-on ocean exploration, build leadership skills, and make a real impact on the environment!

DATES: JULY 7 - AUGUST 18, 2025

MEET ONE DAY PER WEEK FROM 10AM-3PM

YOUTH AGES 12-18 CAN APPLY!



THE EXPERIENCE:

KAYAK IN THE BAY WATER QUALITY MONITORING

LEADERSHIP WORKSHOPS

RESEARCH MICROPLASTICS

LEAD BEACH CLEAUPS

BE A CITIZEN SCIENTIST

MAKE WAVES, TAKE ACTION!

Hosted by Algalita Marine Research and Education, a Long Beach-based organization dedicated to tackling plastic pollution through science, education, and action.



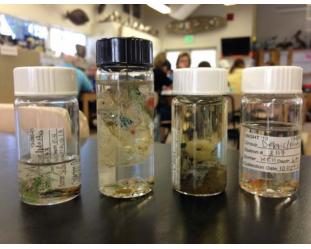




SAMPLING SITE STRATEGY

The sampling site design for this project has yet to be developed and will be determined through a collaborative planning process. The framework will include a mix of researcher sites and citizen science sites, each serving a unique purpose. Researcher sites will be located in areas requiring advanced testing methods or safety precautions, such as locations with poor accessibility or higher environmental risks. These sites will ensure the collection of detailed, scientifically rigorous data that complements the broader monitoring effort. Citizen science sites, on the other hand, will be selected based on accessibility and ease of sampling, enabling community members to contribute meaningful data while fostering local engagement. Additionally, the project may incorporate a scatter site design component, which involves selecting a variety of dispersed locations to capture a broader snapshot of water quality conditions across Alamitos Bay. This combined approach ensures both the depth and geographical diversity of data collection, creating a comprehensive picture of the bay's water quality while empowering citizens to take an active role in environmental stewardship.







WATER QUALITY TEST PRIORITIES

The program will focus on conducting critical water quality tests to provide a comprehensive understanding of Alamitos Bay's health. These tests may include measuring pH levels to assess acidity, dissolved oxygen to determine the water's capacity to support marine life, and nutrient levels such as nitrogen and phosphorus, which can indicate potential risks of harmful algal blooms.

Additionally, salinity measurements will help track tidal influences and ocean-bay interactions, while temperature readings can reveal seasonal or localized variations affecting aquatic ecosystems. In some areas, microplastics sampling may also be conducted to investigate pollution from plastic debris. Together, these tests will offer valuable insights into the bay's environmental conditions, supporting informed decisions and effective conservation efforts.

The goal will be to distribute (mostly) reusable water testing kits to individuals who sign-up and are trained to be Clean Bay Collective Citizen Scientists. The kits will include all materials and instructions needed to collect and report on quality data.



SUMMER 2025

Community Survey & Interviews

First Rounds of Water Quality Testing

Student End of Summer Showcase

Initial data analysis to identify early trends

Create short community video stories based on interviews

FALL 2025

Begin recruiting and training a cohort of local citizens to serve as Clean Bay Collective Citizen Scientists

Continue Water Quality Testing with Kayak Explorers & Citizen Scientists

Launch Program Website

Feature community stories and updates on the website

SPRING/SUMMER 2026

Continue Water Quality Testing with Kayak Explorers & Citizen Scientists

Organize a spring community science day or celebration event

Publish annual summary report and share findings with local policymakers, media, and the public



OTHER COMMUNITY PROGRAMS



