



A CREATIVE COLORING COMPANION TO HELP SAVE OUR SEAS

Volume Two



pangeaseed.org | seawalls.org

A Drop of Paint Can Create an Ocean of Change

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ALOHA!

Welcome to Volume Two of the Sea Walls: Artists for Oceans coloring activity book. Did you know the oceans are the life support system of the planet? At PangeaSeed Foundation, we believe a drop of paint can create an ocean of change, so we'd like to think that this booklet goes above and beyond being "just" a coloring book and is rather a companion to help you learn about the importance of our oceans and the pressing issues impacting them.

As the basis of the coloring pages, we featured existing artworks that PangeaSeed Foundation supporting ARTivists have created for past Sea Walls: Artists for Oceans projects across the globe. Be sure to read about these inspiring public murals and practice some of the action steps we've suggested. Harness your creativity and together, we can help save our seas!

*Happy creative learning
and let's paint for a purpose!*





ABOUT PANGEASEED FOUNDATION

PangeaSeed Foundation is Hawaii-based, internationally engaged nonprofit organization working at the intersection of culture and environmentalism to further the conservation of our oceans. Our mission is to empower individuals and communities to create meaningful environmental change for oceans through science, education, and ARTivism (S.E.A.).

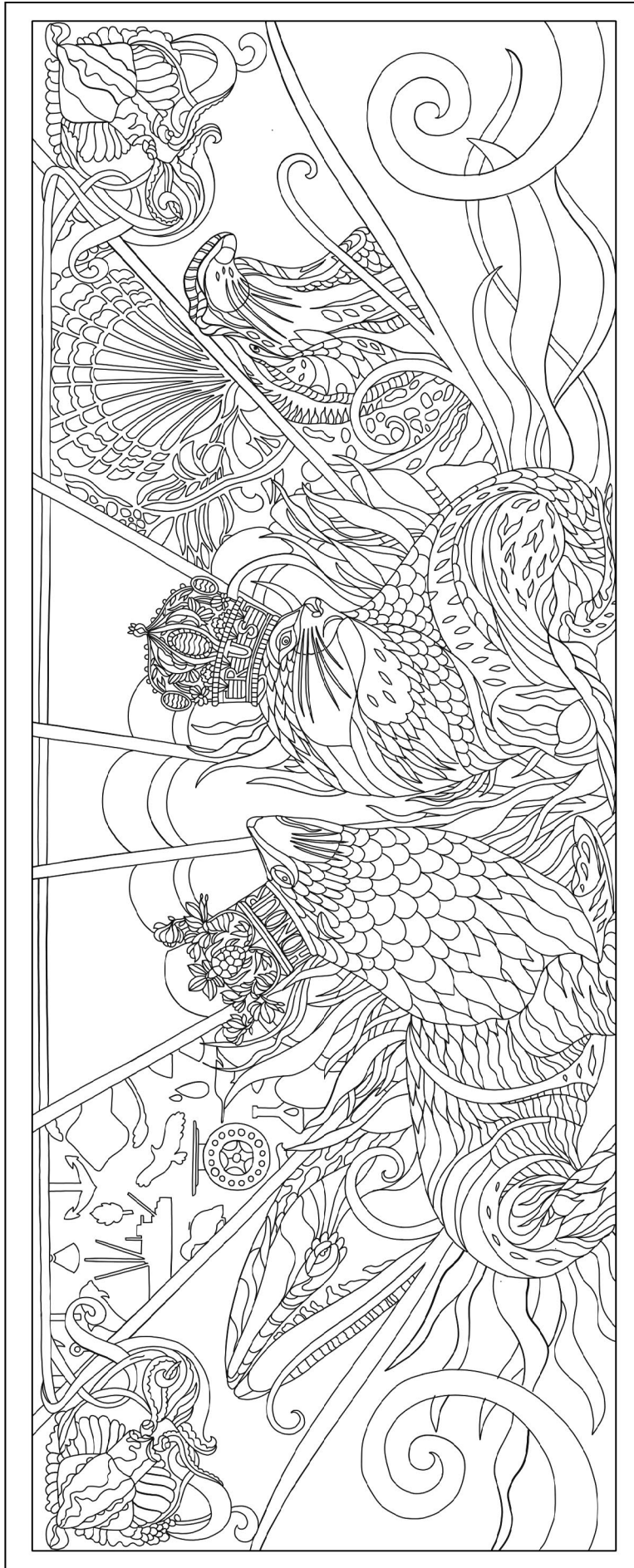
Visit pangeaseed.org to learn more.

ABOUT SEA WALLS: ARTISTS FOR OCEANS

Sea Walls: Artists for Oceans is PangeaSeed Foundation's groundbreaking public art program that brings the oceans into the streets around the world. By collaborating with the world's most renowned contemporary artists, we create large-scale public murals that address pressing environmental issues our oceans are facing.

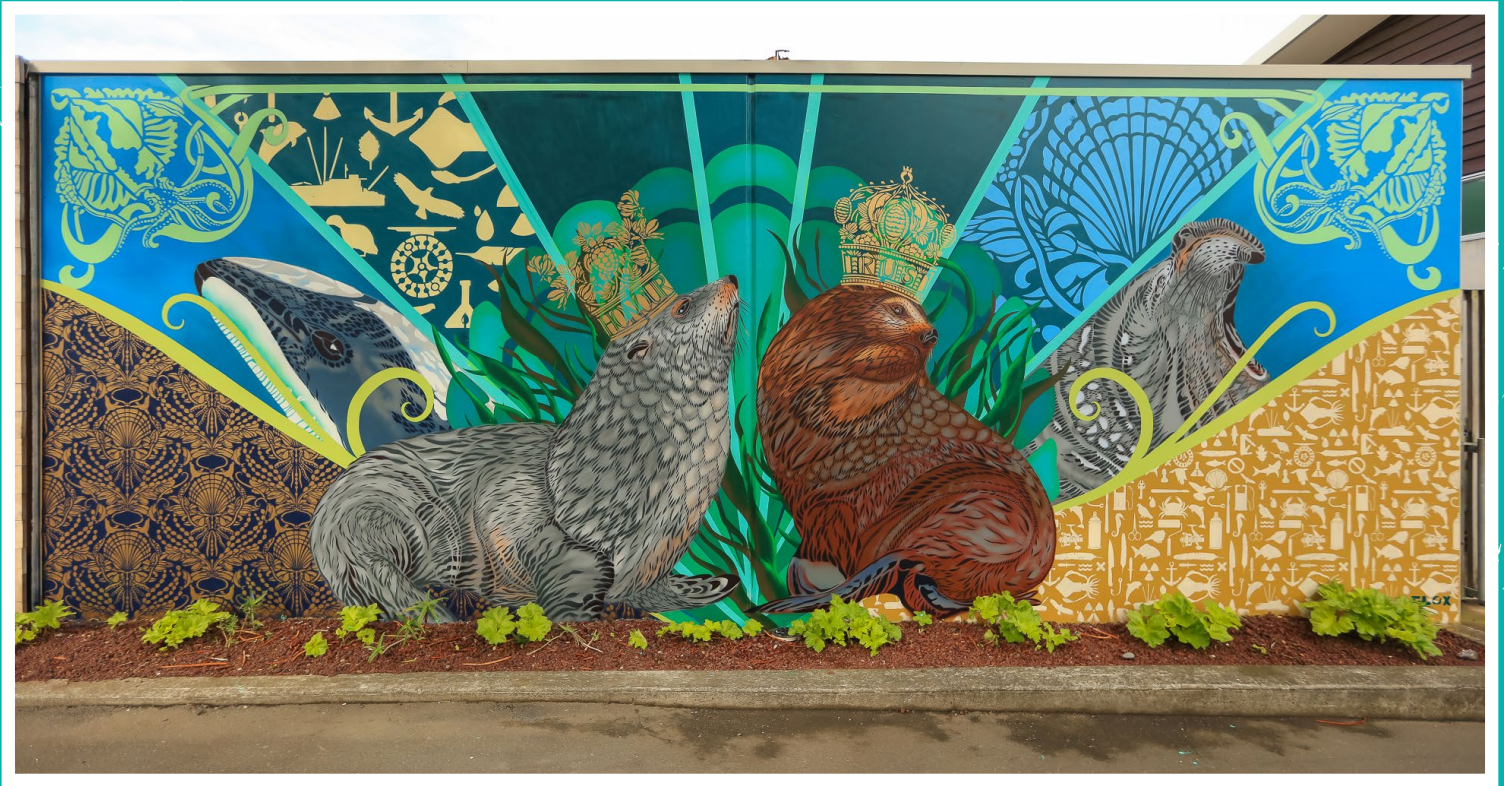
Visit seawalls.org to learn more.





“HONOR AND TRUST”

by FLOX (New Zealand)



Mural by FLOX in Napier, New Zealand (Photograph by Tre' Packard)

What is this mural about? *New Zealand's Endangered Marine Mammals*

The ocean surrounding New Zealand is home to a diverse cast of marine mammals, with sightings of close to half the world's cetaceans (whales, porpoises and dolphins). Over the past two centuries, commercial whalers and sealers reduced the populations of many species of large whales and both indigenous seals to near extinction. Some are still threatened or endangered, and now face additional threats including habitat degradation, global climate change, by-catch in fishing operations, entanglement and pollutants in the oceans.

Click [here](#) to learn more about New Zealand's endangered marine mammals.

Take action!

- If you don't live in New Zealand, find out what marine mammals are at risk where you are from.
- Download and complete these activities to learn more:
 - ~ [NOAA Marine Mammal Education Resources \(USA\)](#)
 - ~ [Protecting Our Marine World Educational Resources \(New Zealand\)](#)
- Support national parks and marine sanctuaries that are working to protect endangered species by visiting them and volunteering.

Artist statement

"This piece pays homage to some of Aotearoa's endangered Marine Mammals including the New Zealand sea lion, elephant seal, and beloved Māui dolphin. These wonderful creatures are under pressure due to an array of issues, such as habitat destruction, food source depletion, and over-fishing. The artwork's composition is based loosely on a coat of arms, with the animals and their royal adornments working together as symbols of peace, love, honor, and trust - the fundamentals of the relationship between human and animal." - FLOX



“SAVE THIS CATHEDRAL”

by Beau Stanton (USA)



Mural by Beau Stanton in Cozumel, Mexico (Photograph by Tre' Packard)

What is this mural about? *Coral Reef Conservation*

Coral reefs are some of the most biologically rich and economically valuable ecosystems on Earth. They provide food, jobs, income, and protection to billions of people worldwide. However, coral reefs and the magnificent creatures that call them home are in danger of disappearing if actions are not taken to protect them. They are threatened by an increasing range of impacts including pollution, invasive species, diseases, bleaching, and global climate change. The rapid decline and loss of these valuable, ancient, and complex ecosystems have significant social, economic, and environmental consequences around the world.

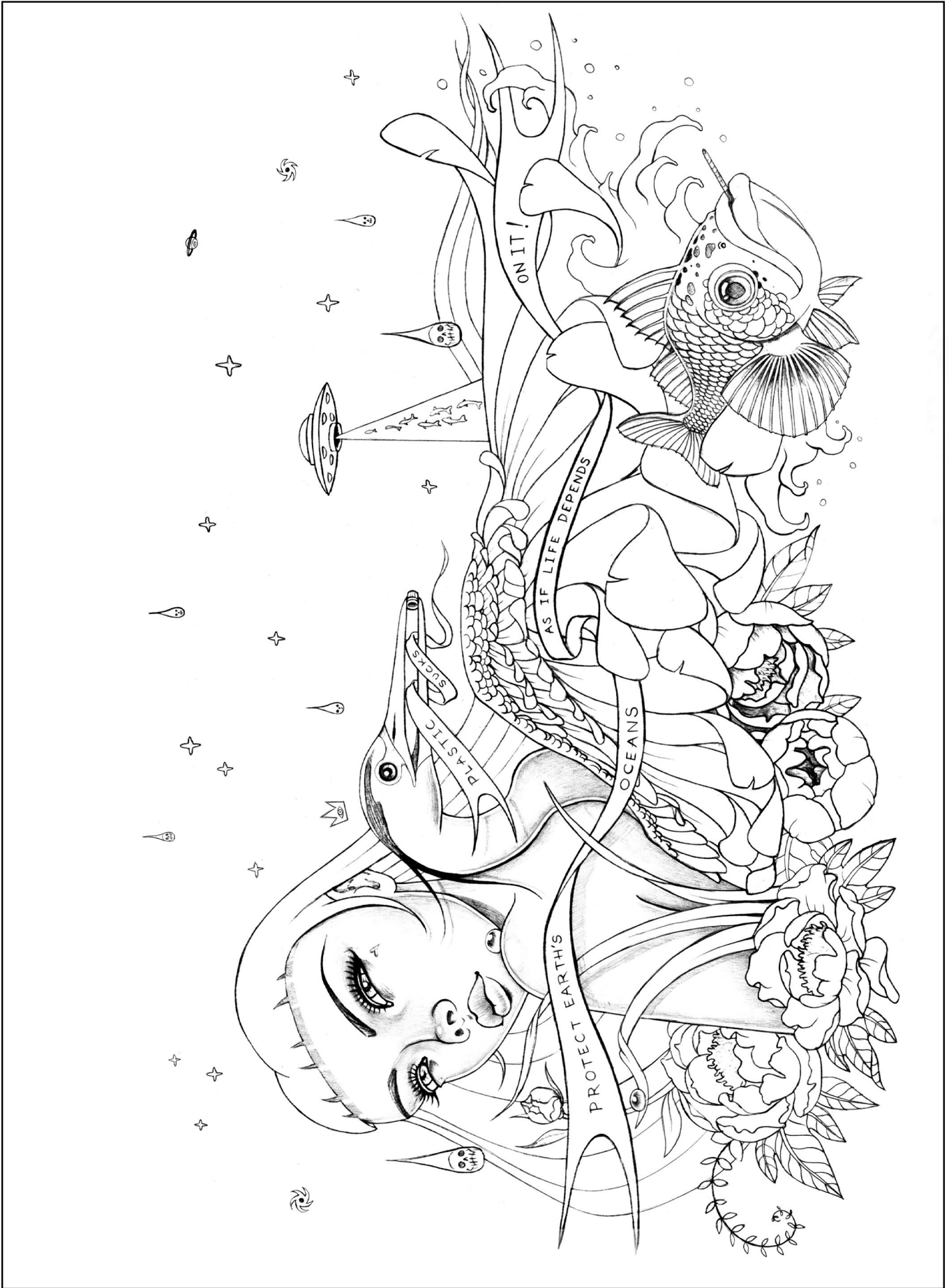
Take action!

You can help save coral reefs by:

- Download and complete these activities to learn more:
 - ~ [NOAA Coral Reef Ecosystems Education Resources](#)
- Use reef friendly sunscreen
- Only consuming sustainably caught sea life.
- Reduce your and your family's carbon footprint by:
 - ~ Eating less meat. - Try meatless Mondays!
 - ~ Using less electricity at home
 - ~ Saving water
 - ~ Using less plastic, and reusing and recycling what you do use

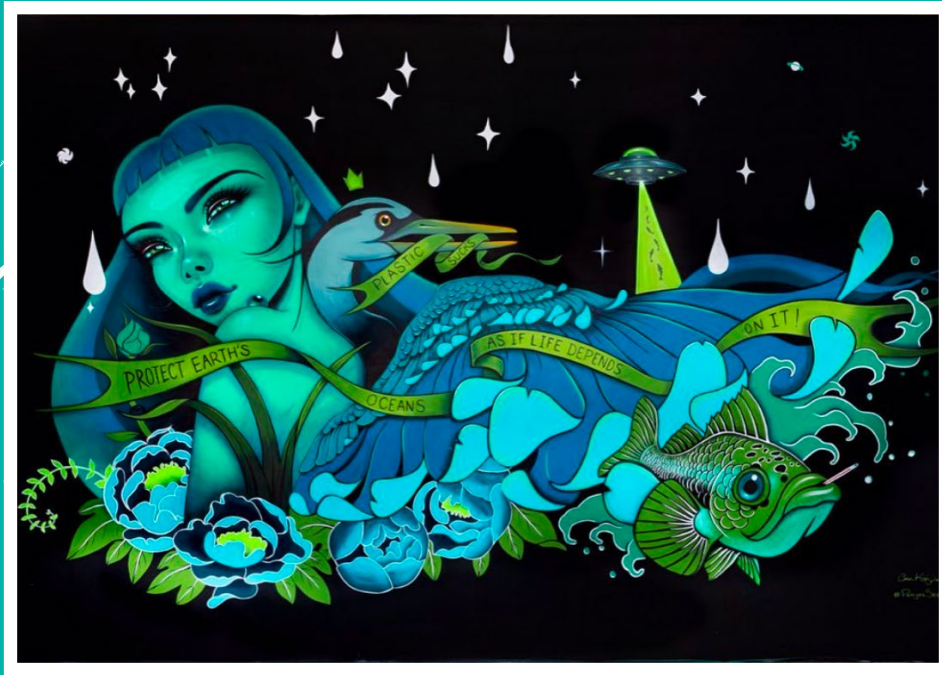
Artist statement

"Addressing the heavily damaged and disappearing coral reefs off the Isle of Cozumel, I chose to depict a shattering stained glass window composed of textures and patterns from local reef life. Aside from demonstrating the fragility of this unique ecosystem, its representation as a cathedral rose window is meant to raise questions about how we value man-made wonders versus natural ones. After the recent tragic Notre-Dame fire, I was impressed by how the shared worldwide grief ultimately leads to an outpouring of financial support that will help to restore this treasure. If only the global community responded in such a way to the crisis facing these irreplaceable natural wonders with the same force and urgency, we might have a chance to preserve these otherworldly places." - Beau Stanton



“PROTECT EARTH’S OCEANS AS IF LIFE DEPENDS ON IT!”

by Caia Koopman (USA)



Mural by Caia Koopman in Delmar, California (Photograph by Exploredinary.)

What is this mural about? *Ocean Stewardship*

Oceans are the life support system of our planet and humankind. The seas flow over nearly three-quarters of the Earth and hold 97% of the planet's water. Sea plants produce 70% of the oxygen we breathe, that's every second breath we take. The oceans are home to incredible biodiversity and some of the most massive creatures on earth. No matter where you live in the world, from the mountains to the desert, oceans directly affect your life and the lives of everyone you know.

From the air that you breathe, the water you drink, the food you eat, to the products that keep you warm, safe, informed, and entertained, all can come from or are transported by the ocean. Around 50% of the world's population lives within the coastal zone, and ocean-based businesses contribute more than \$500 billion to the world's economy.

Once, we thought that we could never take too much out of the oceans, or put too much waste into it. However, now, the sheer number of people on our overpopulated planet who use and depend on the sea, and the sometimes unwise practices we adopt, have created many problems such as the overfishing, pollution, acidifying oceans, biodiversity loss, and degradation of marine habitats, among others. We now risk the very ecosystems on which our survival so closely depends.

A recent study which mapped human impact on the oceans for the first time has revealed that the picture is far worse than scientists had previously imagined. 40% of the world's oceans have been profoundly affected by human activity.

Take action!

- Reduce your carbon footprint.
- Take a plastic inventory! For a few days, pay attention to all the things you use that are made of plastic and think about ways you can use more reusable, sustainable, non-plastic products. Some easy swaps include:
 - ~ Reusable water bottle
 - ~ Metal/silicone straws
 - ~ Reusable grocery bags
 - ~ Reusable storage bags to replace zip-lock bags
 - ~ Choose groceries packed in paper, glass or metal, instead of plastic
- Choose sustainable seafood that is lower on the food chain (think sardines over tuna). Check out these guides [here!](#)
- (Help your parents) vote for ocean-minded candidates.

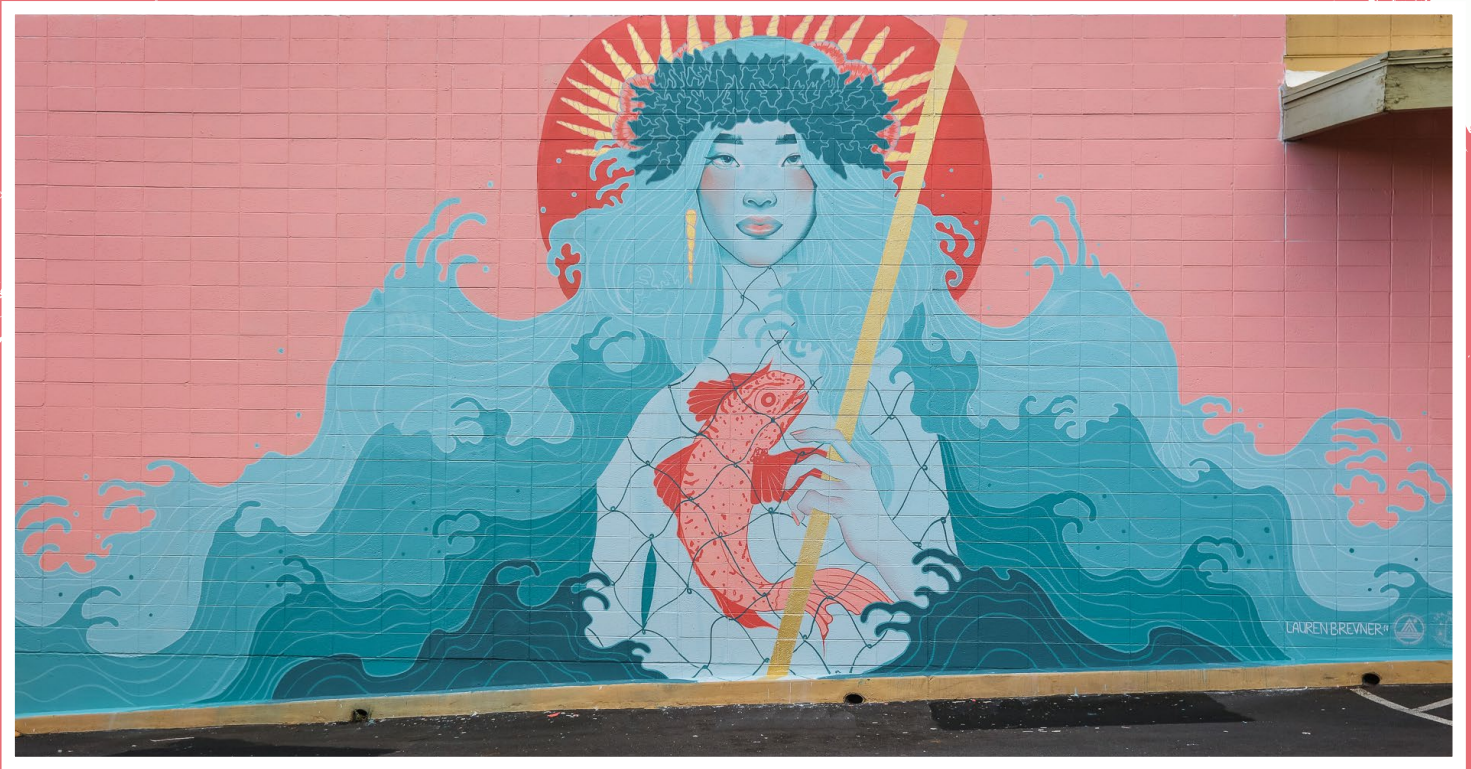
Artist statement

"The Earth's oceans regulate climate, weather and are the lungs of the planet supplying every second breath we take. Simply put, without healthy oceans, life on land is impossible. We must fight for the protection and sustainability of the planet's ecosystems that we all greatly depend on for survival." - Caia Koopman



“NĀMAKAOKAHA’I”

by Lauren Brevner (Canada)



Mural by Lauren Brevner in Maui, Hawaii (Photograph by Tre' Packard)

What is this mural about? *Overfishing*

Fishing is one of the most significant drivers of declines in ocean wildlife populations. Catching fish is not bad for the ocean in itself, except for when ships catch fish faster than stocks can recover, something called overfishing.

The number of overfished stocks globally has tripled in half a century and today, one-third of the world's assessed fisheries are pushed beyond their biological limits, according to the Food and Agriculture Organization of the United Nations. Overfishing is closely tied to bycatch - the capture of unwanted sea life while fishing for a different species. It is a serious marine threat that causes the needless loss of billions of fish, along with hundreds of thousands of sea turtles, seabirds, and cetaceans.

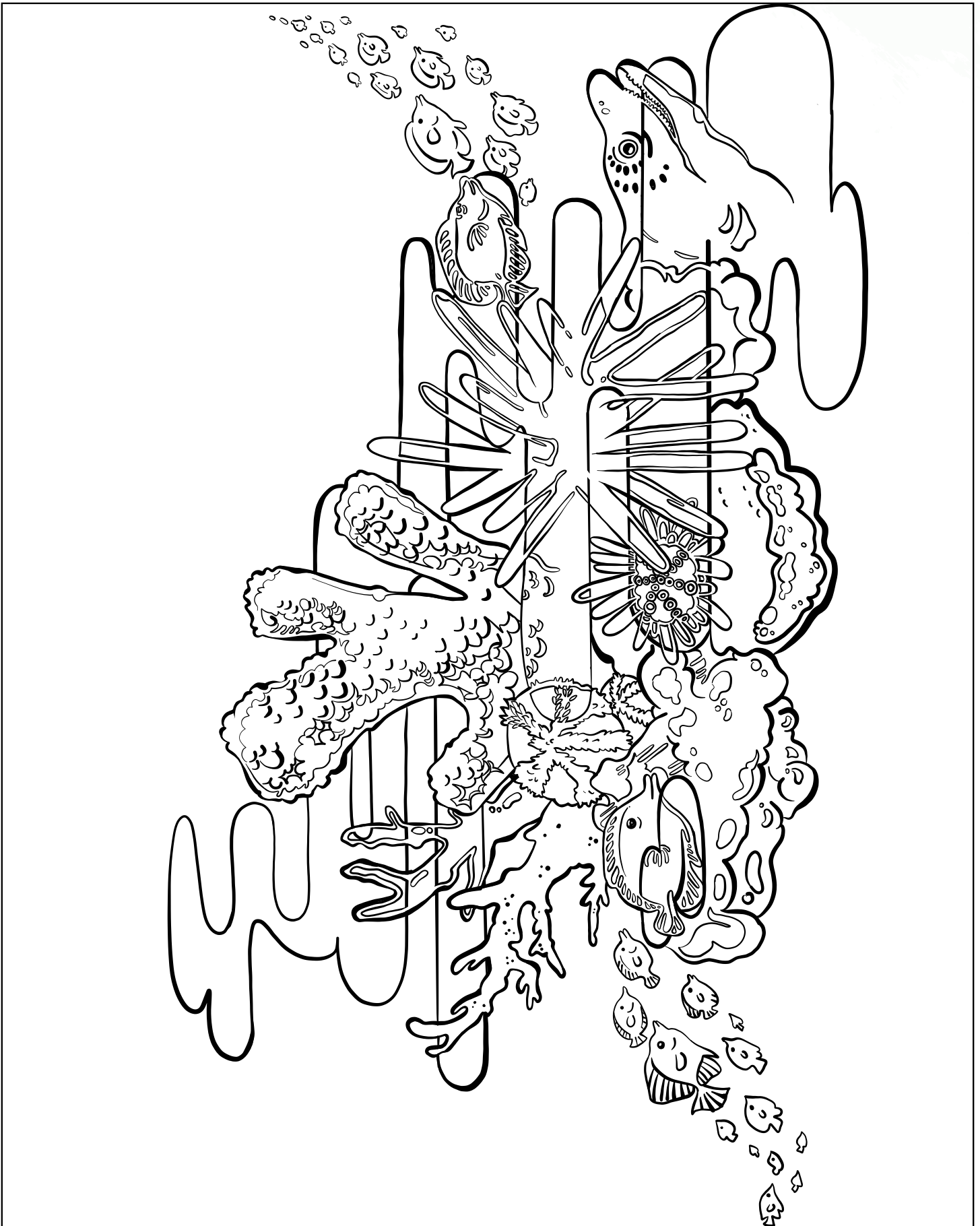
The damage done by overfishing goes beyond the marine environment. Billions of people rely on fish for protein, and fishing is the principal livelihood for millions of people around the world.

Take action!

- Complete these activities to learn more:
~ **Seafood Watch Educator + Student Resources**
- Choose sustainable seafood that is lower on the food chain (think sardines over tuna). Check out these guides [here!](#)

Artist statement

"Inspired by Hawaiian mythology, I choose to represent the topic of overfishing with my interpretation of the sea goddess Nāmakaokaha'i. Her waters are seen as empty and lacking life, this visual combined with a limited palette emphasizes a loss of color and vibrancy that our oceans once had. Highlighting a netted parrotfish (a species that is integral to the protection of coral reef health) which are severely overfished in Hawaii is another reminder of the many ways overfishing has an impact on our oceans. As an ARTivist it was very important to me to create a piece that was visually engaging, easy to understand and positive while still carrying a clear message." - Lauren Brevner



“NATIVE PROTECTOR”

by Alex Underwood + Joey Rose (USA)



Mural by Alex Underwood + Joey Rose in Wailuku, Hawaii (Photograph by Tre' Packard)

What is this mural about? *Ocean Acidification*

Ocean acidification (OA) is the decrease in the pH (scale of acidity and alkalinity) and increase in acidity of the Earth's oceans. It is caused by the increase of carbon dioxide (CO₂) that humans have put into the atmosphere. More than 30% of the carbon dioxide in the air goes into the oceans. Therefore, when carbon dioxide in the atmosphere increases, the carbon dioxide in the ocean increases, too. When carbon dioxide enters the oceans, it makes it more acidic. The skeletons and shells of many sea animals need what is known as calcium carbonate minerals. Due to OA, there are fewer of these minerals and there are species that could no longer produce or keep their shells. If humans continue to emit greenhouse gases into the atmosphere, there will be more CO₂ in the ocean, and many species at risk.

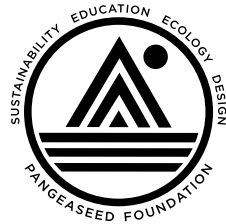
Take action!

- Download and complete these activities to learn more:
 - ~ [NOAA Ocean Acidification Educational Resources \(USA\)](#)
 - ~ [NASA Climate Kids](#)
- Reduce your and your family's carbon footprint by:
 - ~ Eating less meat. - Try meatless Mondays!
 - ~ Using less electricity at home
 - ~ Saving water
 - ~ Using less plastic, and reusing and recycling what you do use

Artist statement

“Ocean acidification, an issue largely unknown, is a serious and growing threat to our oceans. CO₂ pumped into the atmosphere from man-made Carbon emissions is being absorbed by the ocean, making the water more acidic. Everything made of calcium carbonate is impacted by highly acidic ocean water including shellfish, plankton, and coral. But there is some hope: although not a permanent solution, studies show that replanting certain species of native coral help reduce the effects of ocean acidification. In our mural, the native coral in the center of the composition stands tall in protection of the rest of the reef. We chose to highlight the immense power of this native coral. The large central coral is strong and solid, while the other sea life is becoming translucent as they come in contact with the large dark shapes, symbolizing the effects of acidification.”

- Alex Underwood & Joey Rose



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