Our ocean, waves and beaches are vital economic and ecological treasures, which we depend on for our livelihoods, recreation and future. But there are numerous threats to clean water and healthy beaches, including polluted runoff, offshore drilling, habitat loss, development, climate change, plastic in the ocean and trash on the shore. Now, more than ever, it is important for each of us to get involved and create scalable change from the ground up to protect our ocean, coasts and planet for this and future generations.

The Surfrider Foundation and our network of coastal defenders have been working to protect the ocean and coasts for 33 years. In the past decade, the Surfrider network has achieved more than 400 victories, representing coastal wins for beach access, coastal preservation, healthy beaches, ocean protection and clean water.

These significant coastal victories would not have been possible without the hard work and dedication of our incredible network of supporters, members, partners and volunteers, who stand up day in and day out to help protect our ocean and coasts. With decreased federal support to environmental agencies, renewed threats from offshore drilling and the ongoing battle to protect clean water and healthy beaches, Surfrider’s grassroots network is more critical than ever. Our local activism and stewardship allow us to continue to advance proactive policies at the state and local levels, while our network’s vast coverage across the U.S. provides an integral front line of defense from threats.

Thank you for your continued support. What are you fighting for?

Long Live Clean Water and Healthy Beaches,

Dr. Chad Nelsen
Chief Executive Officer
MAKING PROGRESS

2017 IS A MARATHON AND A SPRINT

BY PETE STAUFFER, ENVIRONMENTAL DIRECTOR

For those of us who love the coast, this is a turbulent time. We have witnessed our nation’s highest leaders wage unprecedented attacks on our ocean, waves and beaches. These threats have triggered a rapid response from Surfrider’s chapter network and staff as we fight to defend critical protections established over many decades.

Just weeks after taking office, the Trump administration began issuing executive orders to expand offshore oil drilling, review monument and sanctuary designations and eliminate clean water and climate change programs. The administration and Congress have also proposed drastic funding cuts for the National Oceanic and Atmospheric Administration (NOAA) and the Environmental Protection Agency (EPA), threatening the critical work of these agencies to protect our ocean and coastal resources.

To address these threats, the Surfrider Foundation quickly sprang into action. We launched national campaigns including “Stop New Offshore Drilling” and “Save the EPA” to defend our coastlines, and began mobilizing supporters to engage in comment periods and public hearings. Fortunately, most of these proposals are not a done deal. Final decisions will be months or years in the making, allowing additional time to organize opposition so we can stop these initiatives in their tracks.

Meanwhile, Surfrider continues to notch important conservation wins for our coasts at the local and state levels, demonstrating that the best defense is sometimes a good offense. As of August 2017, Surfrider has secured 30 campaign victories in eight different states! This work is a testament to the power of grassroots activism, and specifically the dedication and passion of Surfrider’s chapter network.

**Some of our notable wins in 2017 include:**

- Protecting Maine’s Bottle Bill from bad legislation that would have resulted in less recycling and more pollution in our waterways and dumps.
- Contributing to the state adoption of an Oregon Marine Debris Action Plan that defines actions to address plastic pollution and leverages partnerships with groups including the Surfrider Foundation.
- Enhancing low-income beach access opportunities in Crystal Cove State Beach through advocacy at California Coastal Commission meetings.
- Passing the first plastic bag ban policy in the state of Florida, in the City of Coral Gables.
- Protecting beach preservation standards in California through the support of a California Supreme Court decision to uphold permit conditions for a seawall in Encinitas.

As we look to close out 2017 strong, the Surfrider Foundation is highly motivated to continue this important work. We invite you to join us in our efforts to protect our ocean, waves and beaches by volunteering with your local chapter and renewing your membership.
I’ve been given the privilege of contributing, and rather than talking about the importance of a healthy ocean to our continuation as a species, a topic all of you are well versed on, I thought I’d share some of the sustainability efforts we’re making as we strive to reduce the toxicity of the modern surfboard. In the process, hopefully we can both encourage and coerce the surfboard industry as a whole to move in that direction.

Firewire has worked exclusively with EPS foam and epoxy resin since our inception 11 years ago, which are materials that are significantly less toxic than polyester resins and polyurethane foams. In July 2014, we converted our entire production over to Entropy Super Sap, a third-party verified, low carbon footprint bio-resin, and qualified for Sustainable Surf’s Ecoboard certification—the first at that time, and even today, the only global surfboard builder to do so.

We are also driving down our waste streams, and in the case of our EPS dust in particular, we are densifying it, reducing its volume by 100-fold under intense heat and molding garden pavers with the material.

Later this year we will introduce ReREZ, a new recyclable resin developed by Connora Technology, an offshoot of Entropy. ReREZ can be ‘recycled’ through a non-toxic solution process, whereby the cloth can be reused and the resin siphoned off to create extruded components. While a fully recycled, lightweight performance surfboard is still a long way off into the future, the ability to recycle and reuse buckets, stir-sticks and brushes in our factory not only saves money, but also reduces landfill waste materials significantly over time.

On a related front, TimberTEK is our least toxic construction and has qualified for Sustainable Surf’s new Gold Level Ecoboard certification.
We’ve taken that build a step further with the ‘reclaimed’ TimberTEK build, using offcuts from regular TimberTEK boards to make additional deck skins.

We’re also pursuing Fair Trade certification for our factory, almost certainly the only global surfboard factory to do so. That said, we have always acknowledged that we still make toxic surfboards, and that we are far away from cradle-to-cradle manufacturing. However, as a wise person once said, the journey of 1,000 miles starts with a single step, or words to that effect. And as you all know, even incremental steps that are compounded over time, produce significant change.

We are extremely proud of our association with Surfrider and the modest contributions we’re able to make to support your collective efforts to ensure that companies like us have a playground for our products. I’ll leave you with our mission statement and hopefully we are living up to its principles:

Firewire is passionate about building the best performing surfboards possible with the least toxic impact on our environment, and that is our main focus. However, if we don’t also give back as much as possible along the way, we believe that everything else we might accomplish is diminished...

For more info about Firewire Surfboards, please visit: firewiresurfboards.com
Everyone should have access to healthy beaches that are free from trash and pollution, in addition to clean water to surf, swim and play in. The Surfrider Foundation’s chapter network is full of volunteers that are diving in to ensure that our ocean, waves and beaches are protected for the future.

This spring, Surfrider achieved two major victories in long-fought campaigns to stop the flow of polluted water to the beach in the Pacific Northwest. Due to nearly eight years of extensive efforts by the Northwest Straits Chapter in Bellingham, Washington, the warning sign at Larrabee State Park has been removed after bacteria levels have remained low for the past two swim seasons. In addition, the Vancouver Island Chapter and their local partners successfully convinced regional authorities to build a sewage treatment plant that will stop the daily discharge of 40 million gallons of untreated sewage effluent into the Strait of Juan de Fuca along the U.S. and Canada border.

In April, the Maui Chapter in Hawaii collected its first water quality samples from 18 beaches and creeks along the North Shore of Maui. Their volunteer-led Blue Water Task Force program complements the state beach monitoring program run by the Hawai’i Department of Health. The Surfrider Maui Chapter activists are proud to be doing their part to help ensure that surfers, swimmers and beachgoers have the information they need to enjoy the beach without worrying about getting sick.

Our chapters aren’t just testing the water and fighting campaigns, we’re also rolling up our sleeves and getting dirty to address water pollution at the source with our Ocean Friendly Gardens program. By educating community members and professionals on better ways to landscape our private and public properties, we are working to keep urban runoff from polluting our ocean, waves and beaches.

Surfrider volunteers are also putting on gloves and picking up trash at the beach. In fact, the Surfrider Foundation has set a goal of conducting 1,000 beach cleanups this year! We encourage everyone to visit surfrider.org and find the nearest chapter to get involved and help protect clean water and healthy beaches.

CAMPAIGN SPOTLIGHT

TAKING ACTION FOR CLEAN WATER AND HEALTHY BEACHES

BY MARA DIAS, WATER QUALITY MANAGER
In many ways, sea-level rise brought about by climate change will be painfully obvious. For instance, according to *Risky Business*—a 2014 report commissioned by billionaires Tom Steyer and Michael Bloomberg—by 2050, $15 billion in property value will be erased in Florida as land gets swallowed by the intruding sea.

More subtle effects of the changing planet will be everywhere, however. Not far from those drowned homes, surfers may wonder where the waves went.

“Surf spots are going to disappear,” Dan Reineman told me, summarizing the findings of a study he published earlier this year that focused on California surfing. Reineman is a lecturer at Stanford University’s School of Earth, Energy, and Environmental Sciences, and a lifelong surfer. His study says that by 2100, sea-level rise could be an existential threat to about 18 percent of California’s surf spots, and could cause 16 percent to be worse. By 2050, surfers will have just started feeling these effects. (Interestingly, Reineman also says climate change may also improve about 5 percent of surf spots.)

Climate change’s effects vis a vis surfing are still a developing area for researchers like Reineman, and things like the quality of breaks as well as the overall surfing experience are highly subjective. Reineman’s findings come from a survey of California surfers reporting their own experiences, but they square with basic logic, according to John Weber, the Surfrider Foundation’s Mid-Atlantic regional manager.

Assuming the sea levels were somehow rising irrespective of human activity (and they’re not), the number of naturally occurring spots that are ideal for surfing wouldn’t be impacted much by climate change (although without humans, what would be the point?). Spots with an...
abundance of perfect breaks would just move inland. Weber said that perhaps “half the spots that are good are gonna go away,” but that we would see “just as many new ones added.”

In reality, however, Weber told me, the rising coastline will “run into houses, seawalls, street ends—stuff that’s not movable and it’s probably not going to be as good for surf breaks. That means there’ll probably be more loss than gain.”

To understand how coastlines change, and how that impacts surfing, we can look to the recent past. In 2012, Hurricane Sandy moved enough water and land around to reshape the coastlines of New York and New Jersey in some spots. New York’s Fire Island, for instance, is a long, narrow strip of land just off Long Island. Sandy opened up at least three inlets, carving a trench that allowed the bay waters and sediment to drain into the open sea, leading to perfect, surfable curls in the nearby water. The National Parks Service immediately moved to close two of these breaches, but when it moved to close one, at a secluded spot called Otis Pike Fire Island High Dune Wilderness, surfers spoke up.

“There’s gonna be a good break on either side of this breach, so leave it!” Weber recalls saying. Other environmentalists provided other arguments for leaving the breach alone—including the fact that it flushed out pollution and pulled in fresh water. So that breach has, so far, stayed. But the same can’t be said for a similar spot near Mantoloking, New Jersey. Sure, that would have made for good surfing, but more important factors won out: “There was the highway, and people’s houses were there, so they closed it up licky-split,” Weber told me.

So it will go in the future: As the coastline erodes due to climate change, new and natural surf spots will be created, but fewer will be allowed to exist. “There’ll be more people crowding the remaining surf spots,” Reineman told me. Indeed, there will always be open stretches of beach, but some of the secluded, secret treasures that surfers cherish the most will be wiped out in the name of preserving coastal real estate.

On the coast of California, Reineman told me, some of the best surfing is at low tide. One of the spots in San Diego where he learned to surf as a kid was a narrow stretch of beach in front of a row of bluffs with multimillion-dollar homes on top. “In all likelihood, the homeowners will not let those bluffs erode much further. Eventually the beach will disappear, and that surf spot won’t ever break anymore,” he lamented.

Other reports offer more bad news: In the long run, climate change is expected to slowly shrink waves in most of the Northern Hemisphere, according to a report from 2013, but waves may simultaneously get taller off places like the east coast of Australia. But there’s another problem with those Southern Hemisphere waves: Many of them are reef breaks—spots where waves break over coral reefs, rather than at the beach—and coral reefs are rapidly dying from bleaching, an effect related to climate change.

The deaths of corals have devastating and far-reaching effects that have nothing at all to do with surfing. By 2050, the rocklike coral structures that make up coral reefs will likely still be there even if most of the corals are dead. That means those wave breaks will still occur for the foreseeable future, but like so many non-apocalyptic effects of climate change, all that dead coral is going to be a buzzkill by 2050.

“I love to surf on a reef that’s full of color and fish,” Weber told me. Without all that life down there, at least some of the joy will be sucked out of surfing in that spot. Then again, Weber acknowledged that those dead reefs could lead to fewer sharks, but only, he said, “because there’s no fish.”

“Maybe that’d be a plus,” he added.

Reineman said at times, surfers will likely point to climate change as the cause of better surf: “You could say those swells because of that storm system were potentially stronger because of climate change exacerbation.” But gauging the effects of climate change by the size of waves would be deceptive.

“When we’re talking about how we manage the coastline, we’re talking about existential concerns,” Reineman said. “We’re not talking about the waves on average being a little bit bigger or a little bit smaller. We’re talking about whether they exist at all,” he added.

"BY 2050, SURF SPOTS AROUND THE WORLD WILL HAVE BEEN IMPACTED BY RISING SEAS."
What started as a group of surfers that joined together to protect Malibu from overdevelopment and pollution has grown into one of the most powerful coastal protection groups in the world. Surfrider is effective because of our unique model. We empower people to take on the threats that our coasts face. Unlike other environmental organizations, our mission to protect the coasts is powered through passionate individuals who drive our activist network. We also provide each chapter and youth club with resources to run successful campaigns.

Campaigns define us as an organization. They are how we protect our special coastal places, ensure our ocean is healthy and wild, prevent and reduce pollution in the water and help to keep our nation’s beaches clean and accessible for all to enjoy. At any moment in time, Surfrider and our network of chapters have about a hundred campaigns taking place. Our members fuel our campaigns with the resources to fight at federal, regional and local levels for policy changes to protect our coasts. For every dollar donated, 84 cents directly fund our programs and campaigns.

Thanks to our membership support in 2015 and 2016, Surfrider and our network on the East Coast had the resources to work in communities to help pass more than 120 local government resolutions against offshore drilling and seismic testing in the Atlantic. In February 2016, the Surfrider Foundation and a delegation of coastal recreation industry leaders met with White House staff and Abigail Hopper, Director of the Bureau of Ocean Energy Management (BOEM), to deliver more than a thousand signatures from coastal businesses in opposition to offshore drilling in the Atlantic.

This grassroots opposition helped to compel the Obama administration to cancel plans to allow oil drilling off the South and Mid-Atlantic coast. Near the end of his term, former President Obama finalized a 5-year offshore drilling plan that protects the Atlantic, in addition to the Pacific and Arctic, from offshore oil and gas development through 2022.

However, our nation’s coasts are under threat once again, as the Trump administration has announced new plans for offshore drilling and seismic blasting. To leverage a victorious campaign, Surfrider will need to raise up to $250,000 to again build awareness and educate the public on the threats, conduct outreach to secure resolutions against drilling, demonstrate community opposition, and promote grassroots advocacy targeting decision-makers at the federal, state and local levels.

It is the collective power of our coastal defender network and our model to deliver the tools to win campaigns that make Surfrider successful in advancing our mission. None of this would be possible without our members, partners, supporters, volunteers and activists who are driving change. We’re grateful for every membership contribution received and for the volunteers who tirelessly fight for our coasts for this and future generations.
CLEAN WATER HEALTHY BEACHES

WITHOUT THESE THERE IS NO SURFING.

This is one of the most challenging years for the environment. The government is failing to protect our ocean and coasts so now more than ever we need to come together to protect what we love.

Renew your membership today. Your donation will be used to support our activists around the country protecting our coasts. Importantly, your support adds another surfer to our base and increases our political power to fight for clean and healthy waves and beaches. There is strength in numbers.

GO.SURFRIDER.ORG/SURF | @SURFRIDER
The word ‘Florida’ instantly evokes images of white sand beaches and emerald waters. In fact, Florida’s beaches are responsible for more than 105 million annual visitors and $89.1 billion in tourism revenue. For Florida communities, it is unacceptable that the state has failed to protect the health of beachgoers by zeroing out funding for beach water quality testing programs for the past six years.

Back in 2000, when the Surfrider Foundation helped to pass the federal BEACH Act, the Florida Legislature created the Florida Healthy Beaches Program to monitor water quality at beaches across the state. The program samples for fecal coliform, and notifies the public when high bacteria levels indicate potential health risks such as gastrointestinal illnesses, eye, ear and nose infections, skin rashes and other health issues.

However, in 2011, the state governor and legislature cut all funding to the Florida Healthy Beaches Program. This means that the state’s beach monitoring is now significantly scaled back. Sampling was eliminated at 50 locations, baseline sampling decreased from weekly to biweekly, and all sampling was suspended between November and March for Florida counties north of Pinellas and Brevard. Without state funds, the program is completely dependent on federal funding—a precarious situation with the Trump administration’s proposed cuts to EPA BEACH grant funding nationwide.

Pollution and raw sewage spills occur with alarming regularity across Florida, as evidenced by these disturbing numbers:

- In 2016, at least 150 swimming advisories were issued in Florida.
- In May 2016, more than 1 million gallons of raw sewage spilled into the Banana River, part of the Indian River Lagoon system, in Brevard County.
- During Hurricane Sandy, 172 million gallons of waste spilled into Tampa Bay and adjacent waterways.
- In 2015, over one million gallons of raw sewage was spilled in Miami-Dade County in just six months.

Last summer, the Treasure Coast attained the nickname, the “Guacamole Coast,” when beaches were shut down due to massive algal blooms and polluted discharges pumped out of Lake Okeechobee and into local estuaries. The toxic algal sludge was so extreme that the Governor of Florida declared a state of emergency, people were warned to stay out of the water and off of the beach because of health concerns, and local businesses were devastated. This also resulted in massive ecological impacts including fish, bird and marine mammal deaths along the coast.

With water quality issues threatening public health and the state’s economy, Surfrider chapters are fighting to restore full funding for the Florida Healthy Beaches Program. During this year’s legislative session, Surfrider chapters mobilized citizens to contact their state representatives in support of the program. Surfrider also organized a Florida Coasts & Ocean Advocacy Day in March, bringing dozens of volunteer advocates to the state capital to meet with legislators. Finally, Florida chapters are supporting Surfrider’s national campaign to restore federal BEACH Act funding through grassroots advocacy and participation in the Blue Vision Summit Hill Day in Washington, D.C.

While a permanent funding solution for the Florida Healthy Beaches Program remains elusive, Surfrider will continue to fight for this critical funding to protect public health and the state’s tourism economy.
Vissla and the Surfrider Foundation joined together this year for the 3rd Annual Creators & Innovators Upcycle Contest to ‘convert waste into want’ and raise awareness of plastic pollution.

Single-use plastics, including balloons, bags, straws and expanded polystyrene, such as Styrofoam, can end up in our ocean, waves and beaches, harming marine life and our ocean ecosystems. Every year, an estimated 5-13 million tons of plastic enter our ocean. A major problem with plastic is that it doesn’t biodegrade. It photodegrades and breaks into smaller pieces, meaning that virtually every piece of plastic ever produced still exists today in some form.

To help turn the tide of plastic pollution, Vissla and Surfrider teamed up to challenge the wave-conscious to upcycle an old or found object into a functional wave riding craft (i.e. surfboards, handplanes, paipos, fins, alaias, skim boards, boats, etc.).

Four finalists in two categories—under 16 and open divisions—are selected based on innovation, functionality, creativity, design and aesthetics. This year, finalists will be announced at the concluding event in October, awarded exclusive prizes and invited to an event gallery show to have their final object on display.

For more information about the collaborative efforts of Surfrider and Vissla, visit: vissla.com/creatorscontest.

Learn how you can reduce your plastic footprint to protect our ocean, waves and beaches at surfrider.org.
Where do you live?:
Springs, the hidden part of East Hampton, NY.

What do you do?:
I am the Chapter Coordinator for the Eastern Long Island Chapter. I usually work my tail off all day, and then expend the rest of my energy out on the water.

Years connected with Surfrider:
I’m going on three years. I started as an intern two years ago and now I’m helping the chapter to maintain its many programs and roll out new ones.

Why Surfrider?:
I see the threats to our beaches on both a local and national scale. I’m involved with Surfrider because it allows me to leave this happy island where I live just a bit better than how I found it, whether that’s because of a beach cleanup, or highlighting an area where there is poor water quality. I like to tie problems to solutions, which is possible on a local scale. Then we can use the Surfrider network to highlight victories in different areas of the country so we can learn from each other.

Biggest threat to our ocean, waves and beaches:
Complacency and the mindset of “someone else will take care of it.” A lot of people don’t realize that small everyday actions have a HUGE impact on the health of our ocean. If everyone remembered just one day a week to bring a reusable cup for morning coffee, refill their bottle, or just refuse a straw, that adds up to a monumental difference. Don’t just let life happen to you. When you see a problem, you have to demand change.

Years surfing:
Way too long to be where I’m still at.

Last board rode, where and when:
Yesterday I was riding tandem on a BruSurf with my best friend Maddie.
Where do you live?:
San Clemente, CA

What do you do?:
Professional surfer and environmental activist

Years connected with Surfrider:
Over 15 years

Why Surfrider:
It is our responsibility to look after this planet and our ocean so that all future generations can experience and benefit from its many gifts the same way that we do today. Surfrider is on the front lines, fighting day in and out to help ensure that the next generations will be able to do exactly that.

Biggest threat to our ocean, waves and beaches:
An overall lack of education about the importance and fragility of our ocean and natural resources within a fast-paced modern society that is built on convenience and an outrageous dependence on fossil fuels and plastic.

Years surfing:
29

Last board rode, where and when:
5’4” Cafe Racer by Chris Christenson down at Cottons in San Clemente. Hands-down my favorite summertime board.
SURFRIDER FOUNDATION
HOLIDAY GIFT GUIDE

100% OF THE PROCEEDS FROM OUR ONLINE STORE DIRECTLY FUND OUR MISSION.

SHOP.SURFRIDER.ORG
What do you do?:
Right now, I have a diverse lifestyle. As co-founder of the Surfing Heritage and Culture Center, which I launched with Dick Metz in the early 2000s, I’m still involved as a surf culture preservationist. I’ve also published five surfing history biographies and have recently shifted to the restoration of vintage European racing cars.

Years connected with Surfrider:
I honestly can’t remember not being a part of Surfrider.

Why Surfrider?:
As I grew up near the ocean, I want to ensure that we have clean water and healthy habitats for humans and wildlife. I care about many of the issues that Surfrider works to protect and have seen runoff from development, polluted water from sewage breaks and rain events, blockage to public access and world-renowned surf breaks nearly destroyed by special interests. The work of Surfrider to address these issues, especially clean water, is important and I want to help protect a healthy environment for the future.

Biggest threat to our ocean, waves and beaches:
Contamination and blockage. Plastic is a significant threat, in addition to any pollution that contaminates our water. The development of jetties, harbors, dammed rivers and streams, have also restricted sand flow, impacting the health of our beaches.

Years surfing:
Since 1970, for 47 years

Last board rode, where and when:
Billy Hamilton hand-shaped a Stylist II longboard for me and shipped it from Kaua’i last Christmas. I surfed it last weekend at Blackies, my home break.
Where do you live?:
At the moment, the whole family is living out of a 4 wheel-drive equipped with a couple of roof-top tents as we travel around New Zealand. We are doing this while we build a barn in Waipu, NZ with the ultimate goal of becoming self-sufficient.

What do you do?:
Photographer, creative director and soon to be self-sufficient farmer.

Years connected with Surfrider: 10 years

Why Surfrider?:
As a surf photographer, my office has been the ocean for the last 18 years. I owe the ocean and beaches a lifetime of dedication and repayment. Surfrider provides the awareness and education that I need, so through my actions, my kids can learn from example.

Biggest threat to our ocean, waves and beaches:
Humans, the lack of understanding, the lack of education and the lack of desire to make personal change.

Years surfing: 35

Last board rode and where:
6'2" Chapstar Single Fin at Mangawhai Heads, NZ, with my oldest son Kalani who was visiting from Western Australia, where he is finishing off studying.

Learn more about Russell and his photography at russellordphoto.com.
2017 COASTAL VICTORIES UPDATE

A coastal victory is a decision made in favor of the coastal and ocean environment that results in a positive conservation outcome, improves coastal access, or both. Policy advancement establishes a policy that will support future protection of our ocean, waves and beaches.

WHERE THE VICTORIES TOOK PLACE

For more information on our victories visit surfrider.org/campaigns.