

LITTORALLY *Speaking*



Littoral: The region along the shore; the intertidal zone

News from the American Littoral Society

Summer 2017

Budget Devastating for Coastal Environment and Economy

One of the few things certain about the 2018 Federal Budget is that almost nothing is certain, despite months of discussions, document releases, and warnings about what will be on the chopping block.

However, those who care for the coast must speak out because all signs point to a drastic reduction in funding and protection for both the coastal environment and economy.

Congressional debate on the actual budget has begun, which means it is time to tell federal representatives what we value.

While there are lots of numbers and agency acronyms being thrown around, what's clear is the President's plan will take lots of money away from almost every part of the federal government. Those cutbacks could be disastrous for the US coast, both environmentally and economically.



For example, the President's plan includes:

- A 6 percent reduction to the Energy Department budget, with the largest cuts targeting the Office of Science.

- A 31 percent cut to the Environmental Protection Agency Budget at a time when the nation is facing problems with clean air and drinking water.

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Tim Dillingham, Executive Director for the American Littoral Society, speaks at the Operation Oyster launch event on Friday, June 2, outside Red Bank's Oyster Point Hotel.

Littoral Society Aims to Put Oysters Back in NJ Rivers

The American Littoral Society Operation Oyster is under way and aims to improve water quality in New Jersey's Two Rivers area.

The program launched on Friday, June 2 with an event focused on hanging shell bags from docks along the Navesink river.

These bags are part of an experimental program to determine if oysters can still be found in the rivers waters. Those bags will be monitored by Littoral Society staff and citizen scientists to determine if live oysters take up residence.

"The Navesink River has been troubled by water quality problems over the last several years" said Tim Dillingham, Executive Director of the Littoral Society, **Continued on Page 8**

From the Executive Director's Desk

The expected assault on the nation's environmental laws, policies and regulations has been joined in full force in recent months, including President Trump's decision to withdraw the United States from the Paris Agreement on climate change.

While there has been an across the board effort to repeal and roll back regulations enacted by the Obama Administration particularly, and to fundamentally remake the environmental agencies of the federal government through the proposed Trump budget, the assault on efforts to reduce and mitigate the impacts of climate change pose the most existential threat to the ocean and coast.

Climate change is altering the mechanics of our planet. It is changing the way the ocean functions as a system. It is altering coastlines, changing weather patterns, disrupting marine life populations and compromising economies built on healthy ocean ecosystems.

The President's assertion that his actions are for the good of the nation's

ability to produce jobs and economic vitality are belied by the present-day value of "the blue economy", which in 2014 delivered \$359 billion to our GDP, and supported 3 million jobs. In addition, ocean-related tourism and recreation supported more than 2 million jobs, and contributed almost \$97 billion. This blue economy relies on a healthy ocean that can support marine life and resilient ocean ecosystems. The abandonment of efforts to mitigate climate change impacts tears down the ecological infrastructure on which all this wealth rests. It is caring for our oceans and coasts that will protect America's economy.

Incredibly, the underlying assault on science and facts that provides the cover and fuel for these efforts is the societal equivalent of the ecological changes being wrought in the ocean: it is intended to, and will change everything, forever. A snippet of an opinion piece I read proclaimed: making ignorance great again! A nation unable, or unwilling to critically examine issues, informed by science,



Tim Dillingham, Executive Director

cannot possibly discover answers, innovate or lead.

It is not overly dramatic to characterize these times as perilous. The decisions made will reset the narrative our ocean policy works within, destroy or remove necessary tools to confront climate change, abandon a commitment to use science in decision-making, and foster a complacent and unengaged public.

These are not the conditions under which we should be confronting climate change. Yet, without a vigorous response in defense, they are the conditions under which we will face an increasingly perilous future.

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On Saturday, April 1, the American Littoral Society hosted a beach grass planting event on Sandy Hook from 10 a.m. to 12 p.m. The planting took place at the South Maintenance Area. The event was open to the public and will also involved students who had been growing beachgrass plants in area schools through the Society's Beach Grasses in Classes program.

'We'll Take Manhattan' Excursion Explores NY Harbor



On Wednesday, May 17 the American Littoral Society and some special guests took to the water in New York Harbor for a festive evening aboard Classic Harbor Line's motor yacht *The Manhattan*. The weather was perfect, affording amazing views of the Manhattan skyline, the Statue of Liberty, activities on the water, and the sunset. In addition to enjoying hors d'oeuvres and cocktails, participants shared ideas for feasible and sustainable waterfront restoration practices intended to protect vulnerable coastal communities. Special thanks to Classic Harbor Line and the event's sponsor, Broadridge Financial Services.

Photo below by Harry Diorio. Other photos by David Hawkins/American Littoral Society.





*Above: Dassen, an African penguin who lives at Jenkinson's Aquarium, was a highlight of this year's Members Day celebration.
Below: A horseshoe crab volunteered for an anatomy lesson during the seining excursion at Members Day.
(Photos by David Hawkins / American Littoral Society)*

Members Day Highlighted by Visit from a very Special Guest

While Members Day is a time for the American Littoral Society to thank the people who make our work possible, the most popular attendee at the event wasn't even human.

Dassen, an African penguin who lives at Jenkinson's Aquarium, was the hit of the day, attracting non-stop attention from both children and adults.

But those in attendance also enjoyed great food from The Lusty Lobster, fun excursions around Gateway National Recreation Area's Sandy Hook Unit, and musical entertainment from The Danjos.

The American Littoral Society has been caring for the coast and based at Sandy Hook, NJ since 1961. With satellite offices in New York City, Boston, Sarasota and Millville, NJ the Society not only provides a voice for the Atlantic coast, but also protects and restores habitat while leading students young and old into the water to get their feet wet and their hands muddy.

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Name That Fish

Hello fellow a-fish-cionados. I am Samantha Glover, American Littoral Society's 2017 summer Fish Tagging intern. Currently, I am a senior at Stockton University, studying Marine Science with a concentration in Marine Biology. My interests lie heavily within the field of ichthyology, so this time around, I am in charge of your favorite identification game: "Name that Fish." Are you up for the challenge?

Last month's correct answer was: Atlantic wolffish (*Anarhichas lupus*).

Atlantic wolffish are benthic inhabitants of the North Atlantic and range from Cape Cod, north to Davis Strait, Greenland, Iceland, and northern Europe. Wolffish contain an impressive row of six large primary canine teeth in their upper jaw, followed by a cluster of smaller canines and three rows of crushing teeth lining the roof of the mouth; hence their common name of "wolffish." They are well known among fishermen for their cantankerous disposition and strong biting capabilities. Reports of wolffish crushing the sides of steel fishing baskets have been documented.

Early life stages of wolffish are preyed upon by Greenland sharks, Atlantic cod, haddock, and grey seal. Larval cannibalism and spotted wolffish predation also occurs. Conversely, wolffish consume echinoderms like sea urchins,



Take a good look at the fish above and send your best-guess to "Name that Fish" c/o the American Littoral Society, 18 Hartshorne Drive, Suite 1, Highlands, NJ 07732



Atlantic wolffish (*Anarhichas lupus*)

starfish, and sand dollars, in addition to mollusks, crustaceans, and small fish.

Wolffish are a slow growing, and late-maturing species. This makes wolffish especially susceptible to over-harvest in the short term. Other threats to wolffish include being caught

as bycatch in the otter trawl fisheries of other species and disturbance or loss of habitat due to commercial activities.

This winner of the Name that Fish contest is Henry Pruitt of Teaneck, NJ, chosen out of the correct entries placed in the Society Tagging Program hat by Lori Singer, our finance director and member of the "Name that Fish" prize committee. Henry will receive a Littoral Society Fish Tagging hat for his effort. Congratulations Henry.

Take a good look at the fish above and mail your best guess to: "Name that Fish" c/o the American Littoral Society, 18 Hartshorne Drive, Suite 1, Highlands, NJ 07732. Or send an email guess to: jeff@littoralsociety.org.

Members Day

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Society members play a major role in helping the organization achieve advocacy objectives -- such as ensuring the public continues to have beach access -- and funding efforts to inform the general public about issues of concern for the coast.

Members Day is a free day of celebration for what Society members do for the organization. Members also elect a slate of board members at the event.

In addition to a bird-watching hike, seining in Sandy Hook Bay and a Fort Hancock history tour, this year

members also got to enjoy the antics of Dassen, courtesy of Jenkinson's Aquarium. A native of an island off the coast of Africa, Dassen made herself at home in Littoral Society headquarters by preening, posing and gobbling down food.

Although a bit of a celebrity, having appeared in many TV shows, magazine photographs and articles, Dassen politely obliged every snapshot and stroke from Society members.

To learn more about the Littoral Society or to become a member, go to LittoralSociety.org.



Volunteers Move Mountains of Shell to Protect Beach

The task seemed imposing at the start of the day: Turn 50 tons of whelk shell into a reef off a remote beach on the Delaware Bay using little more than manual labor.

But thanks to 70 volunteers, aided by staff from the American Littoral Society, Conserve Wildlife Foundation of NJ and the US Fish and Wildlife Service, that mountain of shells turned into something worth shell-a-brating.

The work was done as part of the Third Annual Shell-A-Bration, an event which has brought together people from nearby communities to help protect and restore beaches damaged during Hurricane Sandy in 2012. This year's event was held on Saturday, April 8 at Thompsons Beach in Maurice River Township, NJ.

The reef at Thompsons – like the three others constructed off Delaware Bay beaches – are intended to protect restoration work done after Hurricane Sandy. That storm stripped the sand from beaches critical to horseshoe crab breeding, migratory shorebirds and community resiliency. The Littoral Society and Conserve Wildlife Foundation restored the beaches to their original condition after removing 2,000 tons of debris.

The reefs will prevent sand loss from wind-driven waves, create calmer water for spawning horseshoe crabs, and re-establish a natural habitat for numerous other aquatic creatures. Other oyster reef living shorelines have already been established at South Reeds Beach, Moores Beach and Dyers Cove.

At annual Veterans Day on the Bay events those reefs have been dedicated to US military service people, in honor of the veterans who have helped build and monitor them as part of the the Littoral Society's Military Veteran Intern Program.

Preparation for the Shell-A-Bration began months before, when volunteers answered a call to help create the more than 5,000 shell bags that would be laid on the reef. Once the bags were completed, they were trucked by Cape May Salts Oysters to the Beach -- a remote location which can only



be reached by a narrow, unpaved road that cuts through the Heislerville Wildlife Management Area.

On the day of the event, the near-shore reef site was marked and volunteers formed a human chain to move bags from sand to surf. The work was aided by a Mudd-Ox Ultra-Terrain vehicle provided by the US Fish and Wildlife Service.

Racing the rising tide, a double-row reef was built over an area larger than a football field, with 5-foot gaps between segments to permit horseshoe crabs to reach the beach for spawning.

The crabs are critical to the area economy. Crab eggs feed migratory shorebirds, like the Red Knot, a federally-listed protected species which stops in New Jersey each spring on its long journey from South America to the Arctic Circle. The Red Knot and other shorebirds help bring \$35 million in tourist dollars to New Jersey's Delaware Bayshore region each year.

The reef projects are being funded by National Fish and Wildlife Foundation (NFWF) through their Hurricane Sandy Coastal Resiliency Grants Program, and are being developed in partnership with U.S. Fish and Wildlife Service and New Jersey Division of Fish and Wildlife. The project which began immediately after Hurricane Sandy is scheduled to conclude during the summer of 2017.





Above: Volunteers form a human chain to move bags of shell closer to the reef.

Left: Nearly 80 volunteers helped move 50 tons of shell for the reef project.



Opposite Page

Top: Volunteers and Littoral Society staff move shell bags from a Mud Ox vehicle to the reef off Thompson's Beach in Maurice Township, NJ.

Center: Among those lending a hand at the event was Beth Freiday of the US Fish and Wildlife Service..

Bottom: Manny, the Littoral Society's unofficial Sandy Hook house dog, took a supervisory role during reef construction.

(Photos by David Hawkins/American Littoral Society)

Shellabration By the Numbers

- 1 Reef
- 2 Rows
- 5 foot gaps between segments for Horseshoe Crabs to pass through to the beach
- 13 Reef Segments
- 20 pounds per shell bag
- 30 whelk shells per bag
- 50 bags per pallet
- 80 volunteers
- 105 pallets of shell bags
- 410 feet of reef
- 5250 shell bags
- 105,000 pounds of shell
- 157,500 shells

Why We Restore Oyster Reefs

- Oysters filter the water – up to 50 gallons per oyster, per day.
- Reefs create habitat for marine life, including juvenile fish.
- Reefs reduce wave energy – Our research has shown up to a 35% reduction at other beaches we restored.
- Reefs keep sand on and add sand to the beach as waves are attenuated – We have only lost .01 inch of sand at Reeds Beach since building the reef.
- Reefs slow erosion and improve sand retention on the beach, which means better habitat for horseshoe crab reproduction.
- More horseshoe crab eggs will bring more shorebirds.
- Reefs protect the marsh behind the beach.
- Reefs provide natural structure for oyster to set on, something that is relatively non-existent in Delaware Bay.
- Reefs provide interstitial habitat with whelk shell that improves resiliency of reef (kind of like the nooks and crannies of an English muffin that hold the butter).

Littoral Society Aims

Continued from Page 1

"This project is aimed at restoring oysters as an element in the larger effort to heal the rivers."

While the focus this summer will be to find oysters in the Navesink and Shrewsbury rivers, Operation Oyster will involve much more than shell bags. The project includes many partners – including hotels and restaurants, local residents and area schools, businesses and foundations – all intent on making the waters of the two rivers safe and clean again. Of special note are Tyler Lubin and Noah Tucker, Rumson-Fair Haven High School students, who joined their own effort to improve the rivers to the Littoral Society project.

Eventually Operation Oyster may draw from experience the Littoral Society has gained restoring reefs in Barnegat and Delaware Bay. The long term hope for the project is to restore an oyster reef in the two rivers.

Oysters act as natural filters for the waters they inhabit. Each oyster can clean up to 50 gallons of water a day. That natural filtration not only removes suspended sediments and algae, which make the water clear, it also helps prevent algae blooms and low oxygen conditions – which may be linked to recent fish die-off incidents in the river and the jellyfish invasion.

More than 60 dock owners have already signed on to host shell bags that will be hung from their docks along the Navesink. Jen Portman, of Synergy Yoga in Fair Haven, NJ, is coordinating the enlistment of dock owners.

Many companies and private individuals have also signed up to sponsor bags, even if they don't have a dock on the river. Among them are The Grove at Shrewsbury and Brook 35 Plaza, both managed by Metrovation. Bag sponsorships start at \$25 and help to defray the cost of material and monitoring.

The shell in those bags comes from the Littoral Society's "Shuck It, Don't Chuck It!" shell recycling program. The recycling program has been spearheaded by Doug Douty, owner of The Lusty Lobster seafood company

in Highlands, NJ, and a Littoral Society trustee.

Baby oysters need lime in order to grow their own shells and a hard surface on which to grow. Oyster shells provide both of those, making them a perfect foundation for new oysters. As a result, the oyster shell recycling program is a win-win for oyster lovers, businesses and the water in the Two River's estuary.

Restaurants currently participating in the recycling program include The Oyster Point Hotel, Molly Pitcher Inn, Navesink Country Club, Rumson Country Club, Inlet Café, Woody's Ocean Grille, The Tiger's Tale, 2nd Jetty Seafood, Taka, 26 West on the Navesink, Moby's Lobster Deck, The Old Causeway, Mud City Crab House, Anchor Inn, The Shady Rest Restaurant, and EvenTide Grille. Two Rivers area restaurants that would like to participate in the shell recycling program should contact the Littoral Society at 732-291-0055.

The "Shuck It, Don't Chuck It!" program is supported by The Lusty Lobster and a grant from the Marta Heflin Foundation. It was created as a way to reduce waste going to landfill and as an inexpensive method to obtain material for building oyster reefs.

Recycled shell must be cured for at least a year before it can be used for Operation Oyster. The National Park Service graciously provides secure space inside Gateway National Recreation Area's Sandy Hook Unit for a curing site.

In the fall, Forrestsdale School in Rumson, NJ will play a role with Operation Oyster, as students will learn about the history and ecology of the river in the classroom, then play a role in monitoring shell bags at nearby docks. The

bags will be checked once a month to determine whether oysters or any other organisms are calling them home. The education component is being funded through a grant from The Stone Foundation of New Jersey.

The Littoral Society has years of experience working with restored and installed oyster reefs, based on experimental projects underway off Good Luck Point in Barnegat Bay and along beaches on the New Jersey side of Delaware Bay.

Dock owners who would like to participate in the Operation Oyster study should contact volunteer coordinator Jen Portman at jenportman5@gmail.com. You can sponsor a bag through the Littoral Society website or by contacting Laurie Bratone at Laurie@LittoralSociety.org.

For other ways to get involved in Operation Oyster, contact Pim Van Hemmen, Asst. Director of the American Littoral Society, at 732-291-0055 or email Pim@LittoralSociety.org.



Littoral Society staff hang shell bags on the Navesink River.



Funding Cuts for NOAA Threaten the Coast We Love

Every summer, families from all along the East Coast head to the beach. Quite a number make their way to New Jersey's stretches of sand and surf. This is where they'll spend their hard-earned dollars to buoy up coastal economies. This is where they'll invest in experiences to a last a lifetime. I should know. I've lived in this great state for over 25 years and spent 10 years working for the American Littoral Society.

Every summer, for many years without fail, my family would vacation along the New Jersey coast. Now I go with my children. But unlike the golden summers of my childhood, the Jersey shore they experience today is far more vulnerable.

Climate change is already impacting New Jersey. It will only get worse. All along the coast, municipalities are struggling to find ways to prepare for an increase in flooding and severe storm events. Most, if not all of them, are ill-equipped to find solutions on their own. Communities along the barrier islands of Ocean County face both ocean and back bay flooding. Residents struggle during major storms and frequent nuisance flooding — moving cars to higher ground based on the tide, waiting out a storm and hoping you can overcome the damage, weighing the options between evacuations and battenning down the hatches. These are decisions that weigh heavily on people's minds.

Fortunately, many coastal communities, including many where I live in Ocean County, NJ, have had help with these mounting problems.

The National Oceanic and Atmospheric Administration (NOAA) has provided expertise, coordination and funding to help identify vulnerabilities and the best options to make the coast safer and more resilient.

In New Jersey, NOAA funding and expertise helps support the New Jersey Department of Environmental Protection's Coastal Management Program (which is part of NOAA's National Coastal Management Program). The NJDEP's Coastal Management Program works with multiple partners to assist towns that now experience frequent "nuisance flooding," as well as those trying to plan for bigger problems that are looming on the horizon.

Working with a variety of public and private organizations, including the American Littoral Society, NJDEP has explored the immediate and secondary impacts of sea level rise and flooding. The department has helped communities identify threats and make better plans to rebound from the storms to come. It has fostered local conversations on risks and solutions, provided technical support and community education through Sea Grant New Jersey, Rutgers University and Jacques Cousteau National Estuarine Research Reserve among others.

The Society is extremely concerned that proposed budget cuts for NOAA would eliminate programs, grants, and research focused on coastal management, estuarine reserves and coastal resilience. All are essential for preparations to withstand the major

storms and rising seas that will come with climate change.

Funding cuts will not only jeopardize the efforts of state government and non-governmental organizations to help coastal areas but also hinder sharing information and solutions across jurisdictional lines. Essentially, states and communities will have to deal with the future on their own.

Without NOAA, all this vital work will be considerably more difficult inside New Jersey and across other coastal states. This is why cuts proposed by the Trump administration for the 2018 federal budget are hard to understand. The president's spending plan would cripple NOAA and eliminate thousands of jobs by cutting funding by nearly \$1 billion.

The bottom line: Assessing and preparing for the effects of rising sea level and a changing climate are critical for preserving the social, environmental, and economic value of shore communities all along the Atlantic and Pacific coasts. Our coastal communities are home to over 124 million people, support 53.6 million jobs, and contribute \$7.6 trillion to the U.S. economy, accounting for 46 percent of the nation's economic output. Congress should invest in the future of New Jersey's shore and the entire US coastline by preserving NOAA's ability to serve people and communities at a time when so many people are at risk of losing so much.

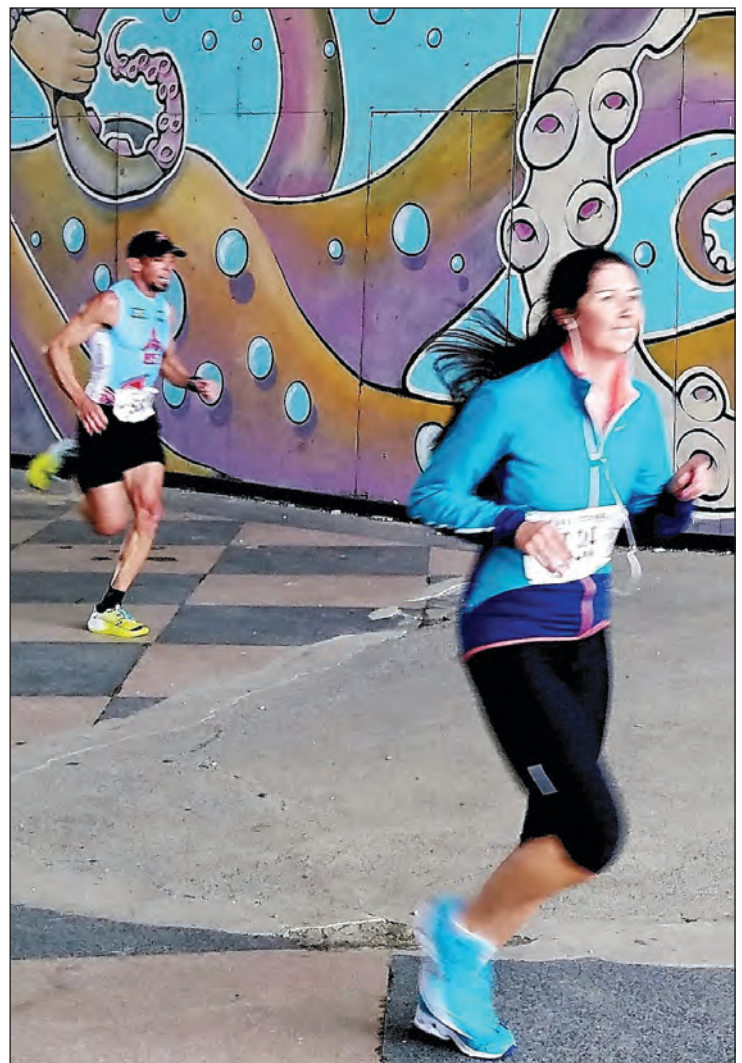
~ Helen Henderson, Littoral Society
Mid-Atlantic Ocean Planning Manager



INTRODUCING THE 2ND ANNUAL LOBSTER RUN

5K RUN/WALK TO CARE FOR THE COAST

Hundreds turned out on the day before Easter to run for coastal conservation. The 2nd Annual Lobster Run (5k to Care for the Coast) was held on Saturday, April 15, 2017 on the Asbury Park, NJ boardwalk. The event was hosted by The Langosta Lounge and benefited the American Littoral Society. Other event partners were Split Second Racing and Road Runner Sports. (Photos by David Hawkins/American Littoral Society.)



Budget Devastating for Coastal Environment and Economy

Continued from Page 1

- Major cuts to the National Oceanic and Atmospheric Administration's coastal research programs, NASA's Earth science programs, and clean-ups of heavily polluted waters such as the Great Lakes and Chesapeake Bay.

That shift in priorities may be felt most keenly and directly on the coast because it attacks every single federal program that helps to protect, manage, and improve the environment of our oceans, rivers and bays. Under the President's plan these programs — which protect the environment and millions of jobs — will be eliminated or have their funding reduced so severely they will be rendered ineffective.

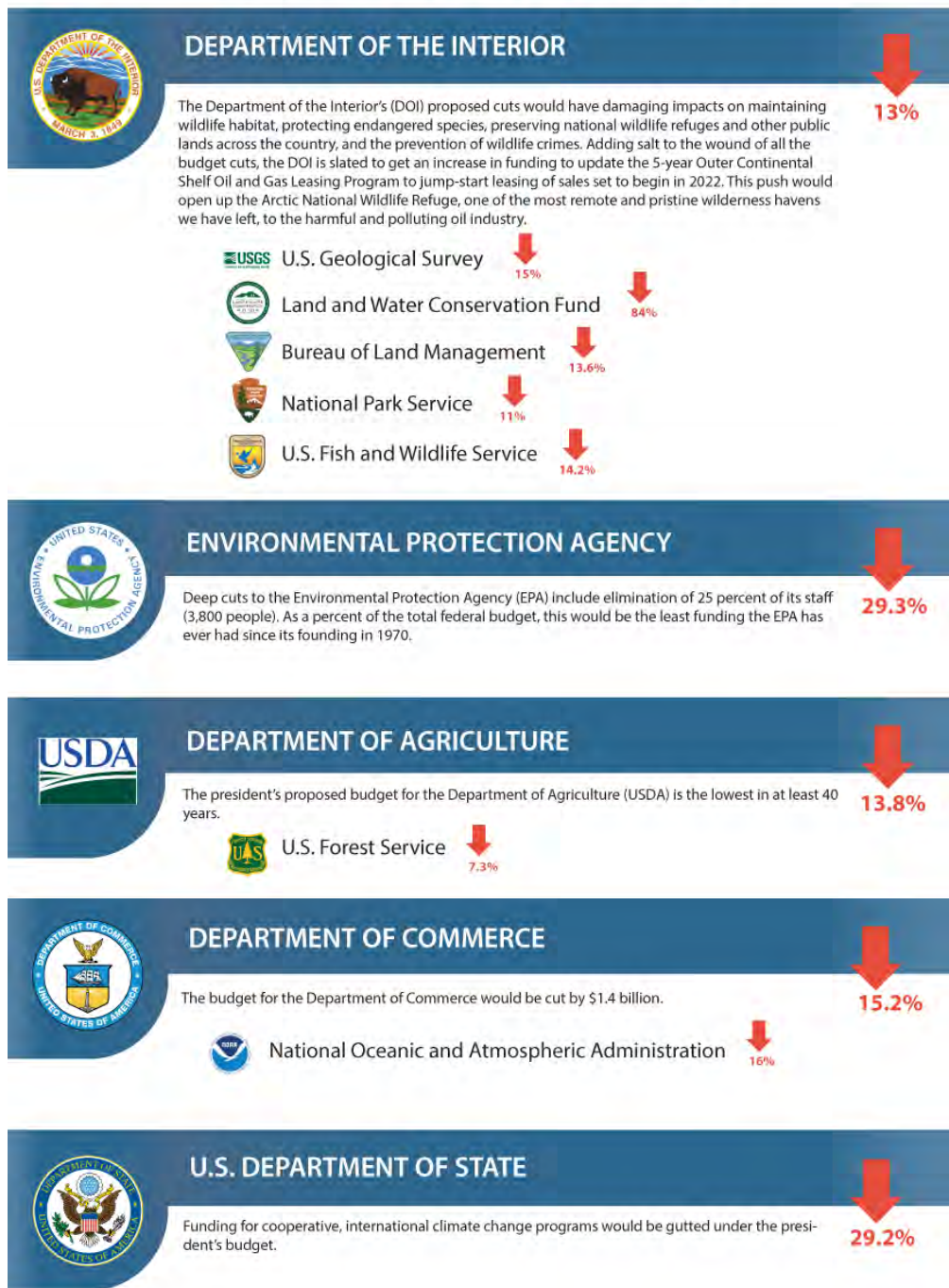
Many of the programs set to be cut are also critical to national and local economies, as well as your quality of life. For instance, according to a number of estimates, programs that help restore our coasts can create more than 30 jobs for every million dollars invested, which is more than twice as many jobs as the oil and gas and road construction industries combined.

The environmental issues related to these cuts are a major concern to most Americans. According to Gallup polls, “[p]olluted drinking water and the pollution of rivers, lakes and reservoirs have consistently topped Americans’ concerns throughout Gallup’s 27-year trend measuring these environmental issues.” Gallup’s 2016 national survey found that both Republicans and Democrats list water pollution as their top environmental concern.

Likewise, a study of the Delaware River Watershed — which encompasses parts of four states via the Delaware River and bay, as well its feeder streams — found that it contributes \$25 billion in annual US economic activity and \$21 billion in ecosystem goods and services. The watershed also provides drinking water to more than 7 million people.

Debate on the budget has already begun and members of both parties

Trump’s Budget Slashes Protections for Wildlife, the Environment



have expressed concern about the President’s plan. So calling your Senators and House members could have an impact on the final form of the 2018 budget.

How can you make your voice heard?
 1) Contact your elected federal officials and tell them you oppose this assault on environmental protection.

Find your Representatives and Senators, along with their office numbers, at <https://CallYourRep.co>.

It is best to call both the local district and Washington DC offices.

2) Support the American Littoral Society so we can continue to keep you informed AND protect the coast for you and future generations.

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The American Littoral Society would like to thank all those who generously contributed to the 2016 Annual Appeal.

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 Susan Tartaglino
 Jim & Lynn Tarves
 John & Mary Tassini
 Elmer & Shirley Taylor
 Sue Ann Thompson
 Robert Titus
 Lorraine Tosiello
 John Traynor
 Jeffrey & Audrey Tyler
 Tom Valerio
 Frederica Valois
 Trudy Van Hemmen
 Pim Van Hemmen
 Susan Vastola

Gary Vayianos
 Frank Vigilante
 Frank & Catherine Vives
 Lloyd Vosseller
 Gilbert Wald
 Christopher Ward
 Peter Waricka
 Barbara & Hedley Weeks
 Arnold Weinstock
 Peter Wester
 Richard Wiebalk
 William Penn Foundation
 Avice & George Wilson
 David & Elizabeth Wilson
 Tighe Wilson Leavel
 Stanley Wine
 Eugenia Winters
 David Woolley
 Bob & Joyce Wright
 Donald Zeni
 Albert Zimmerman
 John Zingis
 Cindy Zipf

SAVE THE DATE

for the

Sandy Hook BioBlitz

Friday, Sept. 29, 2017 from 10 a.m. to 10 p.m.



Scientists, naturalists, and nature lovers:

Join us September 29

as we take a snapshot of Sandy Hook's biodiversity

Volunteers will have the opportunity to work alongside scientists and expert naturalists to conduct biological surveys and provide a snapshot of biodiversity in the park. Volunteers are also needed to assist at the "Base Camp" with general information, registration, food preparation, GIS, photography, and social media.

Contact Lindsay Weil, Education Director at the American Littoral Society, for more information. Email: Lindsay@LittoralSociety.Org Phone: 732-291-0055



Shane Godshall, a Littoral Society Habitat Restoration Coordinator, takes a family from the Washington, DC area onto a Delaware Bay beach for horseshoe crab tagging. (Photo by Pim Van Hemmen / American Littoral Society)

Littoral Society Goes Crab Crazy in the Spring

Every spring the Littoral Society tends to go a bit horseshoe crab crazy. That's not a bad thing, because people seem to be endlessly curious about those critters.

This year, in addition to a series of popular horseshoe crab walks at Sandy Hook, NJ and a festival at Jamaica Bay, NY, the society also

ran tagging programs in both the Delaware Bay and Shark River inlet.

Society staffers Quinn Whitesall and Shane Godshall have made our tagging program along New Jersey's Delaware Bayshore the number one horseshoe crab tagging operation in the world. Their efforts brought out hundreds of people to learn about

those living fossils, as well as the Society's efforts to protect and restore the beaches where horseshoe crabs breed.

Along the Shark River inlet, Society Restoration Director Capt. Al Modjeski brought together his own crew of 130 volunteers, who tagged 300 hundred crabs.

In Memory

The American Littoral Society would like to acknowledge all those who have contributed in memory of a loved one or friend in 2016 and 2017.

In Memory of Dennis Reynolds

Rebecca Reynolds

In Memory of Sylvia Dorsey

Karen Gross

In Memory of Jimmy Cousins

Robert Grobarz
Asbury Park Fishing Club

In Memory of Herbert Trossman

MB Korff

In Memory of Sylvia Dorsey

Karen Gross

In Memory of Jack William Andrews

John Boland
Janet Greco
B.A.C. Administrative District Council
R. Bruce Hemmerle
R. Glen Fenstrmacher
Dick & Edie Galate
Richard Long
John Guernaccini
Mary Boyd
David Andrews, SR
Mark Christinsen
Thomas Heist III

In Memory of Robert Grobarz

Diane Desdner
Bernard Cuningham
David Rennie
Arthur Zadrozny
Pat Rinaldi
Diana Vertabedian
Charles & Mary Jane Finch
Brad Miller

In Memory of Mary Ann Kleyla

Diane Fish and Family

In Memory of William (Sonny) D'Otavio

Ellie & Stuart Fries

In Memory of Warner White

Resident Association,
Atruim at Navesink Harbor

In Memory of Richard Guidetti

Mary Elynn & Brad Dennis
Ron & Anna Marie Goldberg

In Memory of Thomas "Tommy" Ricco

Paulo Heyman

In Memory of William Moyer Feinberg

Edward & Peggy Bowen

Upcoming Trips and Events

August

Fri, August 4, 9am
Mon-Fri, August 7-11, 9am-2pm
Wed, August 9, 6pm-8pm
Thurs-Sun, August 10-13
Sat, August 12, 7am-2pm
Wed, August 23, 6pm-8pm
Sat, August 26, 7:30am-5pm
Sat, August 26, 9am-Noon
Sun, August 27, 10am

Staten Island, NY
Sandy Hook, NJ
Sandy Hook, NJ
Cape Ann, MA
Sandy Hook, NJ
Sandy Hook, NJ
Broad Channel, NY
Sandy Hook, NJ
Brooklyn, NY

Coast Guard Day
Summer Coast Camp
Sunset Seining
Cape Ann Whale Watch
Annual Fluke Tagging Trip
Sunset Seining
Jamaica Bay Shorebird Festival
Shore Birds & Wild Edibles
Hike at North Forty Natural Area

September

Sun, September 3, 10:30am-12:30pm
Fri, September 8, 6:30pm-11:30pm
Sun, September 10, 9am
Mon, September 11, 9am
Sun, September 17, 9am
Fri, September 22, 6pm-8pm
Sat, September 23, 4pm-7pm
Sun, September 24, Noon-7pm
Friday, September 29, 10am-10pm

Brooklyn, NY
Sandy Hook, NJ
IBSP, NJ
Delaware Bay, NJ
Red Bank, NJ
Sandy Hook, NJ
Jamaica Bay, NY
Red Bank, NJ
Sandy Hook, NJ

Beach Plums and Goldenrod
End of Summer Party
Beach Plum Festival
Veteran's Day on the Bay
Paddle the Navesink
Fall Equinox Walk
Sunset Ecology Cruise
Red Bank Oyster Fest
BioBlitz

October

Sun, October 22, 10am-Noon
Fri, October 27, 7pm-9pm

Fort Tilden, NY
Sandy Hook, NJ

Explore Fort Tilden Back Woods
Spooky Tales of Fort Hancock

November

Thurs-Sun, November 9-12
Sat, November 18

Assateague, VA
Sandy Hook, NJ

Chincoteague Weekend
Surf Fishing Clinic



R-Corps kids from Brooklyn and Queens removed tons of debris from Jamaica Bay.



The Littoral Society once again fielded an award-winning float at the Rumson St. Patrick's Day Parade.



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