

SOFO naturalist



Each quarter SOFO features eco-links, written by a member or friend of the Museum. If you wish to submit an article please contact us.

eco links

Drawdown: The Book & the Project

by Darr Reilly, Cofounder; Drawdown East End (DDEE)

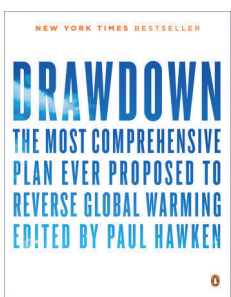
“Drawdown is not just a project—it is an adventure. It is a promising story that has the potential to engage every person on the planet with at least one solution to climate change...”

— Karen O'Brien, cChange

If you think our climate crisis is a done deal, thanks to Paul Hawken you can think again. In 2013, when an increasing number of dire climate scenarios surfaced, Hawken realized that although the science was clear, there was no comprehensive plan to address our situation. Project Drawdown was the result of his vision. If he brought together scientists, researchers, and advisors into a coalition to map, measure, and model active opportunities for studying carbon-capturing and related costs, he might have something meaningful to offer the world. And that is what he did.

Scientifically, Drawdown is the point in time when greenhouse gases have stopped accumulating and are declining. Paul's task was to look at what could be done before 2050 without required assistance from government.

After three years of study, and once the results were in, his team of 240 climate researchers and advisors were overwhelmed with the cumulative data they uncovered. Not only could global warming be slowed, it could actually be reversed! In 2017, the results were published in Drawdown—The Most Comprehensive Plan Ever Proposed to Reverse Global Warming. The book became a New York Times bestseller.



Drawdown contains 80 active opportunities appropriate for individuals, organizations, corporations, educators, and municipalities, prioritized for reducing greenhouse gases and economic viability. It summarizes 20 additional solutions that show great promise.

Beyond being a study and a book, Drawdown is much more. Following Paul Hawken's philosophy, Drawdown is viewed as a set of positive solutions without the negativity that

comes with talk about climate crisis. Drawdown has come to signify a wonderfully engaging opportunity for humanity to come together in communities, with all of our creativity, to collaborate on audacious new ways to be in the world—ways that bring cascading health and economic benefits to humanity and produce prosperous global ecosystems.

After several local Drawdown introductions and workshops in Southampton and Sag Harbor, Drawdown East End (DDEE) was formed and has emerged as a team with a mission—to inspire and support our communities to become actively engaged in solutions that reduce greenhouse gases and achieve Drawdown. Our vision is

to reach Drawdown within a time frame that supports all life on earth.



Drawdown East End is a member of the Adult Allies Coalition and supported the Earth Uprising International Youth Climate Strike with their rally in May 2019.

DDEE is pulling out all the stops. We are getting the word out by hosting introductions and solution workshops. Beginning on Monday mornings in September, there will be drop-in Drawdown introductions at the Rogers Memorial Library in Southampton at 10:30am and solution-session workshops, at 11:30am. We are building teams to engage in some of the most powerful solutions; Reducing Food Waste, Supporting Human Rights for Women, Educating Girls, Carbon Farming & Sequestration. We have a burgeoning Youth Activism Team and a weekly challenge, Dare2Drawdown. A Drawdown Film Festival is in creation along with an East End Eco Challenge. We are working with local environmental groups to understand how we can support their efforts and share with them the powerful lens of Drawdown.

To give you a more detailed understanding of how you and your family can contribute to reversing our climate emergency, we are holding three workshops at the South Fork Natural History Museum, all at 7:30pm—on October 25, What You Always Wanted to Know About Reversing Our Global Climate Emergency Right Here on the South Fork—An introduction to Drawdown and Drawdown East End (DDEE); on November 15, Reversing the Climate Crisis: First Steps—Food Waste and Your Refrigerator—Moving to Action; and on December 6, The Intergenerational Advantage—With Drawdown East End.

Using the Drawdown lens, we are working with Southampton to prioritize policy initiatives and bring the Town's comprehensive plan to fruition, with the greatest impact on reducing greenhouse gases (GHG).

- To begin the process, we selected 40 potential Drawdown solutions that are relevant and applicable to our region.
- Using an integrated approach, we cross-referenced the Southampton Comprehensive Plan 400+ Sustainability Element with the 40 selected Drawdown solutions that could be applied to meet the goals of the Sustainability Plan.
- Working with long-range town planners, we identified overlapping areas that are being prioritized using Drawdown science.

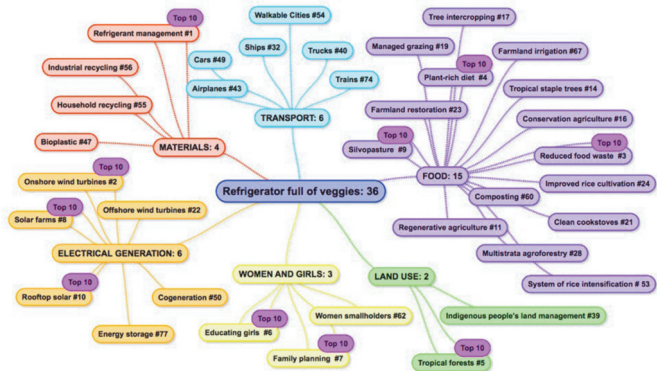
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- Finally, we will identify existing legal pathways that relate to the prioritized GHG reduction goals that the town has included in their plan, using the recently published Legal Pathways to Deep Decarbonization in the United States, edited by Michael B. Gerrard (Andrew Sabin Professor of Professional Practice at Columbia Law School) and John C. Dernbach. This document references technical, educational, and policy pathways for reducing U.S. greenhouse-gas emissions.

Drawdown East End will advocate with Southampton elected officials to use these prioritized policy options and share this process with East Hampton, Southold, Riverhead, and Shelter Island.

Now let's decide how to implement Drawdown on a personal basis. If you begin wondering 'what is one thing I can do to reverse global warming?' the answer is first to educate yourself. You will find that it's not just one thing, but that each choice you make can be incredibly powerful. Watch the Paul Hawken talk on YouTube: Paul Hawken, Seattle, Drawdown, 2017. Understanding that food waste is the #3 solution to reversing global warming (Americans waste 40% to 50% of our food, more than any other country) will give you plenty of ideas for action.



Betsey Crawford's analysis of her refrigerator—detailing climate change opportunities through the lens of Drawdown. Credit – Betsey Crawford

Eat more veggies is #4 action you can take. Buy from our local farmers. Purchasing green energy will also be a powerful and effective action (see PSEG's Green Choice Program). As consumers, we are the most powerful people on the planet and therefore have the greatest impact in the world when we engage in Drawdown solutions.

Drawdown is all about global well-being. Think BIG, see what activities you want to engage in and where you want to start taking action—with your family, community, business, or in policy development—and combine that with your favorite set of Drawdown opportunities. The free Drawdown book is available to download at: www.academia.edu/36989835/Drawdown_-_Paul_Hawken. Then join one of our DDEE teams or create your own team. If you are not able to be part of something local, a wonderful group to connect with is the Pachamama Alliance Drawdown Initiative: www.pachamama.org/engage/drawdown.

Or if you live in NYC, check out www.350nyc.org/drawdown/.



Credit - [ecocaledon.org/about-draw-down/](http://ecocaledon.org/about-drawdown/)

To join a DDEE team or share with us what team you are creating, or just to be on our mailing list, contact us at DrawdownEastEnd@gmail.com. You can also follow us on Twitter @DrawdownEastEnd #Dare2Drawdown.

Drawdown is a thrilling path. We have shed our global warming stagnation and are moving full-steam ahead toward a world culture where all life on earth will thrive. We look forward to being on this path with you. Join us. Game on!

SOFO news

Saving Our Seabirds

by Frank Quevedo, Executive Director, South Fork Natural History Museum (SOFO)

Throughout our history, we look to birds as bioindicators of the health of our precious planet. They tell us when seasons are changing, notify us when habitats are diminishing, help us understand our own species, and delight us with beautiful songs every day. But today, they have an urgent message for us and need our help now, more than ever.

The urgent message is very clear...birds are on the go, as many of them are changing their migration patterns due to climate change impacts. Nearly half of the bird species in the United States and Canada are seriously threatened by rising temperatures. If nothing is done to decrease this threat, many of the bird species we've come to know will be gone forever.

Each bird species is uniquely adapted to its surroundings...including temperature, precipitation and the changing seasons. They have become finely tuned to a set of environmental conditions, so that everything, such as physiology, behavior, and genetics allows a bird to be successful in its environment. But when rising greenhouse gases change the climate, the conditions that birds depend on are thrown into disarray. Adapting to these rapid changes can be catastrophic for many bird species, and their survival might be in question.

Birds may be forced to look for habitat in unfamiliar places, away from their normal ecosystems. As they search for a new habitat, they will face new competition for limited food supply and resources and could encounter new predators or fierce competitors which will make it difficult for their survival. It's a serious message we've been given. So, what can we do to help?

There's something all of us can do in our individual lives and in our communities to make it a better place for birds and for people. First, we need to take action and reduce the carbon pollution that causes global warming, and we need to get involved to protect and preserve the habitats birds need today and in the future.

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Find us on Facebook  Twitter  Instagram 



A full description of each program is listed on the SOFO website:
www.sofa.org/calendar

October, November, & December

Museum Admission & Program Information

SOFO Members

Admission to the Museum is free. Programs are free unless otherwise specified.
Advance reservations are required for all programs.

Non-Members

Museum Admission Only – Adults \$10, Children \$7.50 (Ages 3-12),
Ages 2 and under free

Museum Admission and Program – Adults \$15, Children \$10 (Ages 3-12),
Ages 2 and under free

Advance reservations are required for all programs.

To make reservations and find out about meeting places, please call SOFO at 631.537.9735
or email sofo@hamptons.com.



South Fork Natural History Museum (SOFO)

SOFO's 2019 Holiday Toy Drive

November 1 to December 29, 2019

to benefit the

Eleanor Whitmore Early Childhood Center

Please see full information on
the back page of this
Calendar at a Glance

Calendar At A Glance

Key: A-Adults T-Teens C-Children F-Family AA-All Ages

A full description of each program is listed on the SOFO website at www.sofo.org/calendar.

Advance reservations are required for all programs.

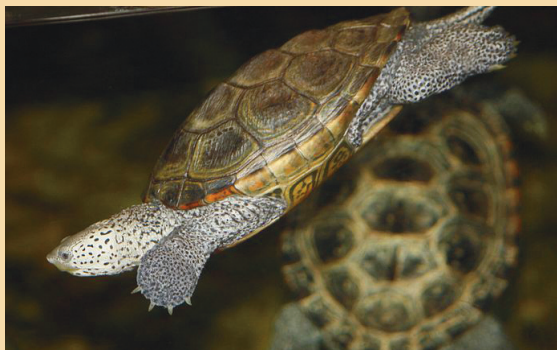
<i>October</i>	5	• Andy Sabin's Annual Salamander Log Rolling: F •	10am
	6	• Explore a Woodland Trail Like a Naturalist: A/T/C5+ •	10:30am
	12	• 21st Annual Celebration of the Long Pond Greenbelt—Hike—Play— Explore: Discover the Long Pond Greenbelt! F •	10am-1pm
	12	• World Migratory Bird Day—Birding with Frank: A/C8+ •	11am
	12	• SOFO Cleans the Beach—Join us at Havens Beach, Sag Harbor: AA	3pm
	13	• Passerine Fall Migration Bird Walk with Joe Giunta: A	7:30am
	13	• Full Hunter's Moon Hike with Friends of the Long Pond Greenbelt: AA •	7pm
	16	• Lyme & Tick-Borne Disease Support & Advocacy Meeting: A/T •	6:30pm
	19	• SOFO's Young Birders Club Meeting: T/C8-18 •	10am
	19	• Beach Scavenger Hunt & Beach Memory Jars: C3-5 •	10:30am
	25	• What you always wanted to know about reversing our global climate emergency right here on the South Fork! An Introduction to Drawdown & Drawdown East End: A/T/C8+ •	7:30pm
	26	• Green Halloween—Recycled Crafts & Decorations: F •	10am
	26	• Autumn Open House at Bridge Gardens—Birding with Frank •	2pm
	26	• Limulus in the Limelight- Horseshoe Crab Culture & Environmental Concerns: A/C8+ •	7pm



Eastern Screech Owl - credit Greg Hume



Harbor Seal and Pup



Diamondback Terrapins - credit Ltshears



Blue-spotted Salamander - credit Peter Paplanus

Some of the animals you might see at a SOFO fall program. Eastern Screech Owl, Harbor Seals, Diamondback Terrapins or a Blue-spotted Salamander.

<i>November</i>	2	• Introduction To “Out East Neighborhood Network”— for Active Adults 50+ •	3pm
	3	• Late Fall Bird Migration at the Promised Land with Joe Giunta: A •	8am
	3	• Feeding Time at the Museum: C3-5 •	10am
	3	• Feeding Time at the Museum: C6+ •	2pm
	9	• SOFO Cleans the Beach—Join us at Peter’s Pond Beach, Sagaponack: AA	3pm
	9	• Nature & Bird Watching Cruise— Birding with Frank: A/T/C10+ •	9:45am-1pm
	10	• Journey into the Walking Dunes: A/C 8+ •	10:30am
	10	• Field Enhancement—Tree Identification: A/C8+ •	2pm
	12	• Full Frost Moon Hike with Friends of the Long Pond Greenbelt: AA •	6pm
	15	• Reversing the Climate Crisis: First Steps—Food Waste & Your Refrigerator— Moving to Action with Drawdown East End: A/T/C8+ •	7:30pm
	16	• SOFO’s Young Birders Club Meeting: T/C8-18 •	10am
	16	• Vernal Pool Wildlife @ Wertheim Wildlife Refuge in Shirley, NY: A/C5+ •	1pm
	16	• Northern Long-eared Bats on Long Island— Hope for a Threatened Species: A/T •	7pm
	20	• Lyme & Tick-Borne Disease Support & Advocacy Meeting: A/T •	6:30pm
	23	• Make a Bird Feeder from Recycled Materials: F •	10:30am
	24	• Investigating Clouds: A/C6+ •	10:30am

30 • SOFO’s Annual Thanksgiving Open House—Free: AA
Nature Crafts, Live Native Animals, Face Painting & More 10:30am-2pm
Live Animal Show—“Frog and Toad” with Jungle Bob 2-3pm
SOFO Members—Adults & Teens: \$10, Children Ages 2-12: \$5
Non-Members—Adults & Teens: \$15, Children Ages 2-12: \$10

<i>December</i>	1	• Hither Woods Hike: A/C12+ •	10:30am
	6	• Star Viewing with Montauk Observatory Astronomers: A/C8+ •	6-8pm
	6	• The Intergenerational Advantage—with Drawdown East End: A/T/C8+ •	2pm
	7	• Overcoming Hurdles for Turtles—Turtle Rescue of the Hamptons: A/C8+ •	2pm
	8	• Jungle Bob Book Reading: <i>Lenny the Lizard—</i> <i>Bullied for Being Different:</i> F •	10:30am
	11	• Owls by the Light of the Moon—Annual Foray with Joe Giunta: A •	7pm
	12	• Full Cold Moon Hike with Friends of the Long Pond Greenbelt: AA •	6pm
	14	• SOFO Cleans the Beach—Join SOFO at Mecox Beach: AA •	9am
	14	• SOFO’S Annual Decorate a Holiday Tree for the Birds: F •	10:30am
	14	• Seal Walk at Cupsogue Beach County Park, Westhampton: A/C6+ •	2pm
	15	• How Strong are Seashells? A/C 8+ •	10:30am
	21	• SOFO’s Young Birders Club Meeting: T/C8-18	10am

**Winter School Break One-Hour Programs
for Children of All Ages • 10:30-11:30am**
23 • Monday, Winter Birds of Vineyard Field with Miles
26 • Thursday, Listening Walk to the Pine Grove with Jackie
27 • Friday, Winter Plants of Vineyard Field with Xylia

	28	• Meet SOFO’s Diamondback Terrapins: C6+ •	10:30am
	29	• Whose Track is This? AA •	10:30am



Toy Drive

*SOFO's 2019 Holiday Toy Drive
November 1, 2019 to December 29, 2019*

to benefit the

Eleanor Whitmore Early Childhood Center

*Please drop off toys, for children ages 18 months to 5 years,
at SOFO, 377 Bridgehampton/Sag Harbor Turnpike,
Bridgehampton NY*

from 10am-4pm seven days a week, except December 24 and 25.

*The toys will be used by the Center to enhance its
academic and social-emotional curriculum.*

The Eleanor Whitmore Early Childhood Center
is a not-for-profit educational organization
following a research-based social-emotional curriculum.

The Center provides full-day, year-round child care
for children 18 months to 5 years of age.

Located in East Hampton, the Center is open
Mondays through Fridays from 7:30am to 5:30pm.

Its hours provide flexibility for working families.

SOFO's 30th Anniversary Annual Summer Gala Benefit

Celebrating the Wonders of the Wild: Marking 30 Years of Nature Conservation, Education & Exploration Empowering Families to become Responsible Stewards of Our Planet welcomed over 500 Guests to our July 13, 2019 Fundraiser

by Diana Aceti, Director of Development & Special Events, South Fork Natural History Museum (SOFO)

SOFO's 30th Anniversary Summer Gala, which benefited our educational and environmental programming and initiatives at the Museum, commemorated SOFO's growth from a small nature clubhouse founded in 1988 by Board President Andrew Sabin and a group of South Fork naturalists concerned about the future of the area's fragile ecosystems to an acclaimed state-of-the-art museum highly regarded for its outstanding nature exhibits and over 270 annual educational programs focusing on environmental stewardship, climate change, sustainable energy, marine science, community outreach, and wellness. We were very pleased to welcome our dedicated Chairs Carole Crist, Georgia & Dr. Gerry Curatola, Eric Goode, April Gornik & Eric Fischl, Susan & David Rockefeller, and Liev Schreiber. Our honorees, leaders in their fields, are notable change-makers committed to the well-being of our planet:

Dr. Demian Chapman, the recipient of The Alan Rabinowitz 2019 SOFO Species Visionary Award, named after SOFO's great friend Alan, who until his passing in 2018 was the leading big cat conservationist for the Wildlife Conservation Society and Panthera, that he co-founded. Dr. Demian Chapman, Project leader of Save our Seas Foundation, is an internationally recognized shark expert whose efforts have contributed to species protection in The Bahamas, improved shark management in Belize, and the listing of multiple shark and ray species on the Convention on International Trade in Endangered Species (CITES), to name a few.

Trammell S. Crow, the recipient of SOFO's 2019 Environmental Education Visionary Award and Founder of Earth Day Texas, was recognized for his work in advancing sustainable and resilient communities to best support Earth's natural systems, stem climate change, protect human health and improve livability for all.

Greg Manocherian, the recipient of SOFO's 2019 Environmental Excellence Humanitarian Award, is a real estate magnate passionately committed to advancing the pace of progress and discovery in medical and marine life research and action.

Our VIP Cocktail Reception from 6:00 – 7:00 pm was a huge success thanks to the delicious tasting menu created and presented by our featured chefs from The Bell & Anchor * Bostwick's Clambakes & Catering * Calissa * Canal Cafe * Centro * East Hampton Grill * Grace & Grit * Grand Banks * Montauk Shellfish Company * Page At 63 Main * Saaz Restaurant * Southampton Social Club. Our main Reception included an Honoree Presentation, a buffet dinner catered by Elegant Affairs Catering, dessert that included cake bites from the renowned Lady M Cake Boutique in New York, coffee provided by the wonderful Hampton Coffee Company truck, live and silent auctions, and dancing with the spirited In the Groove Band. The stunning flower arrangements were donated by Designs by Mark Masone. Guests enjoyed test drives in the striking Rolls-Royce Motor Cars provided by our sponsor, Rolls-Royce Motor Cars. Our live auction, presented by Guest Auctioneers Dr. Gerry Curatola and Debra Halpert, included once-in-a-lifetime trips to Belize and Madagascar organized and led by Honoree *Continued on next page*



*Guest Auctioneers Debra Halpert & Dr. Gerry Curatola
- Credit Rob Rich SocietyAllure.com*



Cassandra Seidenfeld, Mark Masone, Andy Sabin, Carole Crist, Andrea Correale - Credit Rob Rich SocietyAllure.com



Honoree Demian Chapman & Andy Sabin - Credit Rob Rich SocietyAllure.com



*Guests Enjoy the VIP Cocktail Reception
- Credit Michael Heller*



*Gala Reception
- Credit Rob Rich SocietyAllure.com*



SOFO's New Board Members, Samriti & Scott Seltzer - Credit Rob Rich SocietyAllure.com

Dr. Demian Chapman, internationally recognized Shark Champion, and Russ Mittermeier, Chief Conservation Officer for Global Wildlife Conservation named a "hero for the planet" by TIME Magazine.

We send a special thank you to this year's sponsors: Alerion Aviation, Amagansett Wine & Spirits, the Andrew Sabin Family Foundation, BNB Bank, Channing Daughters Winery, Charles Charters, CLC Global Advisors, Cloud Water Brands, Decco by Party Up Productions, Designs by Mark Masone, Diplomático Rum, Doña Sarita Mezcal, East End Tick & Mosquito, Faena Hotel Miami Beach, Hampton Coffee Company, Hamptons VIP Ride, HSBC Private Bank, J.A. Baczewski Monopolowa Vodka and Gin, Hampton Pool Company, Kombatcha, Lady M Cake Boutique, Montauk Brewing Company, OCEARCH, People's United Bank, Rejuvenation Health, Rolls-Royce Motor Cars, Summerhill Landscapes, and Two Chicks. We also thank our media sponsors: Dan's Hamptons Media, East Hampton Star, Hamptons Magazine, The Hampton Sheet, The Independent Newspaper, and the Sag Harbor Express.

SOFO was delighted to present these scholarships at the event: the 2019 SOFO Scholarship Award made possible by a donation from BNB was awarded to Ripley Mercer. The 2019 Mulvihill Family Environmental Scholarship made possible by Mary Mulvihill was presented to Daniella Larjarza.

Says Andy Sabin, President of the SOFO Board of Directors, and avid environmentalist, conservationist and wildlife enthusiast, "We are very pleased that so many friends celebrated our 30th Anniversary with us. It was a very special evening honoring brilliant people dedicated to the conservation of our natural world. We thank our Board of Directors, our Advisory Council members, our donors, our sponsors, our event team, our volunteers, and other special friends who came together to mark our 30th anniversary. It is our responsibility as stewards of the planet to sustain and protect the natural world. What we need to do is foster compassion for other living things, and I believe the best way to do that is through direct experiences with nature."

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South Fork
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