It is easy to pin blame on President Trump for every environmental calamity and regulatory obstacle confronting New York State. In his short tenure as president, he has rolled back, or is in the process of rolling back, more than 85 key environmental rules and regulations governing climate change, endangered species, oil and gas development, transportation emissions, and water pollution. Moreover, his appointees are quietly dismantling the federal agencies that enforce those protections.

But to be truthful, many of these corrupt federal abdications of responsibility should have little effect in New York, where the state either has superior regulations in place or the power to fill in those regulatory gaps left by the Trump administration. NY lawmakers have already struck back with legislation to ban offshore drilling, restrict some dangerous chemicals, and address climate change within the context of this ugly new political climate.

But there are other areas of environmental protection where New York State has itself been derelict in its responsibility for decades, and Trump’s actions have only made things worse.

At the top of this list is the protection of freshwater wetlands, one of NY’s most valuable and misunderstood resources. We rely on swamps, fens, bogs, and wet meadows to filter pollutants from our water ways, recharge our aquifers, and absorb catastrophic floods. Yet there seems to be little public awareness that we are filling, dredging and draining wetlands at an alarming rate – at least until we find our neighborhoods underwater or our public water supplies contaminated. To be fair, the protection of New York’s wetlands is not entirely dire. Wetlands 12.4 acres and larger that are on approved wetlands maps receive some of the country’s strongest protections from NY’s Department of Environmental Conservation, including a 100-foot no-disturbance buffer. But that may only represent 6% of New York’s wetlands.[1] The remaining 94% of NY’s wetlands are administered by the Army Corps of Engineers--under Trump--or inhabit a regulatory limbo where there now may be no authority to oversee their protection at all.

Much of the conflict over which wetlands are to be protected stems from decades of confusing court cases over what constitutes “waters of the United states”. On January 9, 2001, in Solid Waste Agency of Northern Cook County v. United States, (SWANCC), 531 U.S. 159 (2001), the U.S. Supreme Court decided by a vote of 5-4 that the US Army Corps of Engineers (Corps) did not have authority under section 404 (the dredged and fill material permit program) of the Clean Water Act to assert jurisdiction over wetlands that were considered waters of the US solely due to their use by migratory birds.

Prior to the SWANCC decision, the Corps asserted comprehensive regulatory jurisdiction over activities that threaten wetlands. After the SWANCC decision, the Corps limited the waters over which it asserts jurisdiction to “waters of the United states,” defined as tidal, interstate and navigable water bodies and their adjacent wetlands. Wetlands are considered to be adjacent and subject to federal jurisdiction if they are connected by surface water to waters of the US. Wetlands that are not connected by surface water to waters of the US – so-called “isolated wetlands”– are no longer afforded federal protection.
So Much To Do and So Little Time

_by Susan Lawrence_

The accelerating clarion calls from world scientists and the devastating news of shocking natural disasters and degradation of our environment make clear that there is no time to waste. Our communities, our state, our nation, and the world, must combine forces to combat and even reverse global warming and climate change. That means acting on many fronts, small and large, no longer just step by step on some top priorities.

Roger Down’s article in this _Sierra Atlantic_ focuses on protecting our precious wetlands, essential to keeping our waters clean, storing flood waters, nurturing the life of much of our flora and fauna. The Sierra Club Atlantic Chapter has been an environmental leader for many years on wetlands protection.

Lisa DiCaprios’ article on the concepts of “biomimicry” emphasizes the importance of a nature inspired approach to taking action.

Ellen Banks, Chapter Conservation Chair, highlights in her column initiatives of our Chapter’s groups on many fronts. You can go to our Chapter website to access the “Municipal Toolkit” with case studies of localities taking major steps to move to renewable energy, conserve energy, preserve and expand green space, protect water supplies and much more. Volunteers were critical to this.

Chapter leaders and staff will be sharing the latest developments and calls to action to implement the 2019 NYS Climate Leadership Act. Please watch our website and calls to action, volunteer to be involved and please share your contact information, including your email address, so we can stay touch with you.

From the Conservation Chair

_by Ellen C. Banks_

Sierra Club volunteers in Atlantic Chapter groups continue to be active on several fronts in protecting our land, water and air, and in advocating for phasing out fossil fuels and promoting clean renewable energy. This is a sampling of our groups’ ongoing projects over the past few months.

The New York City Group held an Earth Day event focused on the phase-out of nuclear electric plants at Three Mile Island and Indian Point, with participants from about twenty environmental organizations. They also sponsored a Beyond Plastics public event at Pace University with Judith Enck, who founded Beyond Plastics (an organization housed at Bennington College) and have lobbied extensively on plastic reduction bills in the city, including a bill signed by Mayor DiBlasio to end most plastic food-service items by the end of 2019. The group has actively lobbied for the NYC Climate Mobilization Act and is starting a Drawdown Earth Challenge based on the Project Drawdown, which analyzes and ranks climate solutions in potential effectiveness. The Long Island Group has been garnering support from elected
officials and the public to preserve Plum Island, an uninhabited island that has been used as an animal laboratory and quarantine facility but is decommissioned by the federal government and has been pursued by resort developers. If the preservation campaign succeeds, Plum Island will remain a sanctuary for native species of animals, plants and surrounding marine life, with controlled access for educational tours. The NYC Group is a coalition partner and the chapter ExCom voted to support a bill to preserve Plum Island.

Lower Hudson Group volunteers continue to oppose a desalination plant that would treat river water and discharge residue into the river. Mid-Hudson is opposing the Wheelabrator ash dump incinerator, and a landfill bordering a state park that would take construction debris in piles as high as the trees and could contaminate the water table. The Hudson Mohawk Group is also involved in this issue. All the groups along the Hudson River are concerned about the potential effects of flood barriers being proposed by the Army Corps of Engineers to mitigate sea level rise. Hudson Mohawk volunteers, along with those from other groups, have also been involved in community choice aggregation, expanding Clean Energy Community and Climate Smart Community programs as well as polystyrene food service bans.

The Niagara Group began working cooperatively with the Niagara Frontier Transit Authority (NFTA) to convert its fleet of 325 fossil-fuel buses to Zero Emission Buses in October 2016. In May 2019, NFTA made a grant application to the Federal Transit Authority (FTA). NFTA asked for and received written endorsement for this grant by our Niagara Group. The grant was accepted and allows NFTA to convert one of its three garages from fossil fuel to all electric. The process is expected to take 2½ years to complete. It is the first transit authority in NYS to undertake converting an entire garage to all electric.

Renewable energy projects continue to be supported by the Niagara Group, including land-based wind, utility-scale solar and possible Lake Erie-based offshore wind. Along with several other groups and the chapter, the Niagara Group continues to oppose gas pipelines and other new fracked gas infrastructure.

The Niagara Group maintains its opposition to the Northern Access Pipeline, defending NYSDEC’s decision to deny the 401 Water Quality Certification. The Federal Energy Regulatory Commission’s attempt to overrule NYSDEC’s denial of 401 water certification is being challenged in court. The Environmental Protection Agency (EPA), under executive order to expedite pipelines nationwide, has proposed gutting section 401 of the Clean Water Act, eliminating state and tribal rights to regulate waterways nationwide. With support from Senator Gillibrand, we have requested an extension of the comment period and hearings in NY.

All groups are invited to report on their conservation activities; projects that have not been covered in this article will be included in the next issue of Sierra Atlantic.

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Get involved with the SIERRA CLUB ATLANTIC CHAPTER Today!

You may be receiving our newsletters and the Sierra magazine, but to be sure you’re getting all of our communications and to learn about getting involved in our work, our website offers a variety of options.

By visiting www.newyork.sierraclub.org, you’ll find email signups for:

- Atlantic Chapter Updates, including general Chapter updates as well as any take-action emails
- Sierra Atlantic Newsletter, the electronic version of the quarterly newsletter
- Volunteer Connection, where you can sign up for one of our available positions and get more involved with the Atlantic Chapter and your local Groups

All of these sign-up forms are in the right column on the homepage of the Atlantic Chapter website.

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Biomimicry: Innovation Inspired by Nature — Educational Resources
by Lisa DiCaprio, Conservation Chair, Sierra Club NYC Group

Biomimicry — INNOVATION INSPIRED BY NATURE —
combines two Greek words: bio from bios (life) and mimicry from mimesis (imitation).

Pioneered by Janine Benyus, a biologist who coined the term, biomimicry seeks insights from 3.8 billion years of evolution in nature. As she explains in Biomimicry: Innovation Inspired by Nature (1997), “The biomimics are discovering what works in the natural world, and more important, what lasts. After 3.8 billion years of research and development, failures are fossils, and what surrounds us is the secret to survival. The more our world looks and functions like the natural world, the more likely we are to be accepted on this home that is ours, but not ours alone.” [1]

Since the publication of Biomimicry, Benyus has led several consulting and educational initiatives to promote innovation inspired by nature. She is also an advisor to Project Drawdown, which comprises 100 existing solutions to reduce greenhouse gas emissions and reverse global warming. [2]

Today, practitioners of biomimicry throughout the world are designing products, packaging, transportation, energy, buildings, construction materials, factories, organizations, financial investment strategies, regenerative urbanism and new economic models, such as the circular economy. [3]

PRODUCT DESIGN
Biomimicry allows us to understand how we can
- filter salt from water without fossil fuels like mangroves
- join two surfaces like a clam
- create cement from CO₂ and water by replicating how coral reefs form with seawater and CO₂
- design sustainable foams and plastics
- repel bacteria by imitating how the design of a shark’s skin Protects it from bacteria
- sequester carbon in products

Biomimicry 3.8 consults on product design with a wide variety of organizations and companies, including Fortune 500 firms and benefit corporations, such as Patagonia, Seventh Generation and Interface, the world’s largest carpet manufacturer.

Interface is incorporating biomimicry in product design and facility operations to fulfill its “Mission Zero” promise to eliminate any negative impact the company has on the environment by 2020.” For example, the Interface i2 modular carpet tiles imitate the pattern of “a leaf-strewn forest floor” and can be arranged randomly. This design results in “less installation time, nearly 90% less waste than traditional broadloom carpet, and easy reclamation and recycling.”

THE NATURAL AND THE BUILT ENVIRONMENT

Biomimicry provides the most innovative approach to urban sustainability. Today, one-half of the world’s population lives in cities, which is projected to increase to two-thirds by 2050. To protect the world’s natural resources, we must not only reduce the ecological footprint of cities [4], but also contribute to biodiversity and the vibrancy of ecosystem services in urban areas.

Instead of degrading nature with greenhouse gas emissions, air and water pollution, impermeable surfaces and increased temperatures (the urban heat island effect), Benyus states that cities can be “redesigned with nature’s technology” to “function like forests.” In an “Interview with Janine Benyus on How to Design Like Nature,” she explains the concept of ecological performance standards:

We decided that a biomimetic city should be functionally indistinguishable from the wildland next door. It should produce beneficial services, just like the native ecosystem, because, after all, biomimicry is not about how it looks, it’s about how it functions. . . How much carbon is being stored per acre per year? How much water is being stored in a storm? How much air and water are being purified? How many nutrients are cycled? How many degrees of cooling happen? How much soil is created? We use biological literature paired with GIS models to get those quantities on a per acre per year basis. [5]
As Janine Benyus concludes in *Biomimicry*, “In a world as interconnected as ours, protection of self and protection of the planet are indistinguishable." [7]

This nature-inspired, regenerative approach is not simply an option, but an imperative, especially given the conclusion of the May 2019 UN Global Assessment Report on Biodiversity and Ecosystem Services that our human activities, such as urbanism and agriculture, have “severely altered” three-quarters of the land on the planet. We are now threatening the extinction of one million plant and animal species and accelerating the degradation of ecosystem services throughout the world. [6]

As Janine Benyus concludes in *Biomimicry*, "In a world as interconnected as ours, protection of self and protection of the planet are indistinguishable." [7]

For the complete text of this article with links to all websites and additional resources, see the electronic version of the Fall/Winter 2019 *Sierra Atlantic* on the Atlantic Chapter website: newyork.sierraclub.org

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**SUPPORT CHAPTER’S WORK IN NYS**

We need your help to maintain the Chapter’s critical conservation efforts in NY and continue print publication of the *Sierra Atlantic*. Your membership dues primarily support the Club’s national priorities. Your additional support is needed to strengthen the Chapter’s work in the Empire State. Please use the coupon below to send a donation. Contributions and dues to the Sierra Club are not tax deductible. Thank you for your generosity. To learn more about a 501c3 tax deductible donation, call our office at 518-426-9144.

Yes, I want to help the Atlantic Chapter preserve and protect the environment of New York State. I am enclosing my gift of:

- $500  □ $250  □ $100  □ $60  □ $35  □ Other ___
- □ Check made payable to Sierra Club Atlantic Chapter is enclosed
- □ I'd like to make a single payment by credit card
- □ I'd like to become a sustainer with $___ monthly or $____ quarterly credit card donation.

Acct no:___________________________________________ Exp. Date: _____________
Signature: ___________________________________________________________________
Name:_______________________________________________________________________
Sierra Club Membership number: ________________________________________________
Street:_______________________________________________________________________
City: __________________________ State: ___________ Zip: ______________________

Mail this completed form with your check or credit card information to:
Sierra Club Atlantic Chapter, PO Box 38225, Albany, NY 12203

A copy of our latest financial report can be obtained by writing to Sierra Club Atlantic Chapter, PO Box 38225, Albany, NY 12203, or the NYS Attorney General.
In May 2015, under the direction of the Obama administration, the EPA released a new rule on the definition of “waters of the United States” (WOTUS), which clarified, that, indeed, isolated wetlands and intermittent headwater streams fall under the regulatory control of the federal government. On February 28, 2017 President Trump signed an executive order rolling back Obama’s clean water rule under the Clean Water Act, once again endangering huge swaths of NY’s wetlands and suggesting greater cut backs in enforcement by the Army Corps of Engineers. Governor Andrew Cuomo and State legislators need to make things right by legislating control over wetlands the Trump administration refuses to protect.

The Sierra Club is also supporting A.8349 /S.5612-A, a bill that would extend protections to class “C” streams and their intermittent headwaters – waterbodies that used to be covered under Obama’s Clean Water Rule but lost protection when Trump rescinded the regulation. These two pieces of legislation would largely fill the gap in protection created by the Trump administration.

It is important to remember that the dysfunction in the regulations did not originate with conservative judges or President Trump. Much of the anemic wetlands protection in New York can be attributed to our own fraudulent state wetlands mapping protocol that has persisted for decades under multiple administrations, under the powerful influence of the development community. Currently, for a wetland to be subject to regulation under state law, it must be delineated on existing freshwater wetlands maps prepared by DEC after lengthy public comment. Most of these maps have not been updated in over 20 years, making them woefully incomplete. A 2009 survey of the Genesee valley, the Wallkill watershed, and the Oswego/Onondaga watersheds identified over 50,000 acres of wetlands not currently on official DEC maps. But political pressure from land developers has prevented the DEC from releasing these maps to the public – essentially blocking them from state protection. The DEC has sat on these maps for almost a decade – even as they spent more than a half million dollars in state and federal money to create them in the first place. The 2020 legislative session presents a prime opportunity to set things straight.

The Sierra Club supports the Clean Water Protection/Flood Prevention Act, A.3658 /S.5576 a bill that would do away with wetland maps as jurisdictional requirements for protection in favor of defining wetlands based upon physical characteristics (if it has hydric soils or hydrophilic plants it is a wetland). This will clear up any uncertainty and gaps in protection found in the current and suspect mapping program. Additionally, the bill gives the state DEC authority over wetlands one acre and larger – casting a bigger net of responsibility from the current 12.4 acres. New York is the only state in the Northeast not to take on the regulation of all its wetlands.

The Sierra Club is also supporting A.8349 /S.5612-A, a bill that would extend protections to class “C” streams and their intermittent headwaters – waterbodies that used to be covered under Obama’s Clean Water Rule but lost protection when Trump rescinded the regulation. These two pieces of legislation would largely fill the gap in protection created by the Trump administration.

Governor Cuomo has recently announced a new state initiative “reviving mother nature” a program that not only reinvests in fish and oyster hatcheries andrestocking programs, but looks to protect the habitats that sustain fisheries and wildlife. While the specifics are still in development, it would appear that embracing a legislative fix to the state’s broken wetlands laws would be a good foundation for the Governor’s platform. If we are truly going to confront the challenges presented by climate change and the imperative to make our communities resilient from increasing floods, droughts and ecological disruption – protecting wetlands may be the most important and cost effective thing we can do.

Candidate Statement of Roxi Sharif
As a steadfast environmental advocate and community organizer working with statewide coalitions and diverse stakeholder networks such as NY Renews, I am keen to assist the Sierra Club Atlantic Chapter expand outreach and implement initiatives through communication, education and logistical planning. With a background in yoga, food, farming, nonprofits and small business management, my passions extend beyond healthy lifestyle practices and nature-based solutions into organizational research and development. As a student of the Bard MBA in Sustainability program, with skills and expertise in project management, marketing and finance, I am confident I can assist the Chapter to advance its extraordinary mission at the intersection of public policy, the environment and economy. With my understanding of state and federal policy, and involvement with community-driven, grassroots initiatives, I am eager to expand and apply my knowledge, and serve as delegate to the Atlantic Chapter Executive Committee.

Candidate Statement of Mary Finneran
I figure reporting on what I am working on at this time, and have worked on, might help people know who/what/where I am regarding NYS and the environment. Latest highlights: I send out email blast to garner comments, for example when we needed to comment earlier this year to the USACE regarding the Casella-owned Hakes C&D landfill 404 permit application re accepting PA radioactive frac waste; I attended, spoke, and filed written comments on The Hakes landfill DEC hearings regarding their application for expansion this summer; Filed commentary on Williams' proposed natural gas pipeline on NYC shores, among many; I am editing the minutes for the last in-person ExCom meeting; I would also like to prove myself better at being Secretary next year; I was instrumental in organizing the successful battle against an Ash Dump in my county. As a result of that I worked on helping organize a new group, Keep It Greene, in my county to improve advocacy on environmental issues. I would like it to pursue collaborations with Sierra Club on many local and Hudson Valley regional efforts. We are currently working to protect wetlands from dumping and supporting a county law against polystyrene; I hope to reinvigorate the Beyond Fossil Fuel Oil and Gas Committee while working with the Legislative committees and the reformed Hudson River committees; I attended a PSC meeting and am working with Renewable Heat Now people; I helped create signs for a protest at Cricket Valley; I discovered that where I live, Cairo, NY, has been contaminated by PFOA in our water. While nowhere near the levels of Hoosick Falls and elsewhere, the level of 13.3 is above the DEC alert level of 10ppt. The EPA's level is 70ppt, which needs to be changed drastically. I have been researching filtering for safety and am strategizing how to get the word out to the 700 plus people in my water district who don't know about this, etc. as I believe my double filtering takes me below the level of concern but need to be sure others are safe too. Just a sampling! There's more. “If you need something done, ask the busiest.” Thanks so much, I’d love to serve further, please vote for me. Email Mary at msfinn123@yahoo.com with any questions.

Candidate Statement of Janet Lenichek
Experience: I have been attending Niagara Group ExCom meetings since Spring 2018, and became a member of it in January 2019. I represent the Niagara Group at the Buffalo Good Food Coalition which works to bring the Good Food Purchasing Program to Buffalo Public Schools. I have become involved in lobbying local and state legislators to push progressive environmental legislation. In May I arranged for members of the Niagara Group to visit State Assemblywoman Karen McMahon, Five ExCom members spoke to support pending environmental legislation. Assemblywoman McMahon ended up supporting and/or co-sponsoring the legislation we asked her to support, including the Climate Leadership and Community Protection Act. Group ExCom member Roger Cook and I are currently revising the Candidate Questionnaire. We plan to ensure that all local candidates for public office complete it by mid-August. This will help the Group endorse the very best environmental candidates who will represent the interests of the Sierra Club. Reasons for wanting to be elected to the Atlantic Chapter Executive Committee: I am interested in learning more about lobbying for appropriate environmental legislation which aligns with the mission of the Sierra Club in New York State. I also want to establish relationships with Club members in other parts of New York, so we can help each other on a variety of environmental campaigns through sharing of ideas and best practices. Email Janet at janetlenichek@yahoo.com with any questions.

Candidate Statement of Ellen Banks
I was elected an at-large delegate to the Chapter ExCom in late 2017 and immediately asked to serve as Conservation Chair. Though not clear on the position's responsibilities I soon learned, and found the experience challenging and fulfilling. Re-elected Conservation Chair in 2019, I reached out to Groups about projects, encouraged Groups to apply for
Banks cont. from p. 7

Club grants, started the Chapter’s Hudson River Committee to develop science-based policy re ocean rise and other river challenges, and participated in weekly legislative and policy calls, staff recruitment, lobbying and working with coalition partners. I have a love for wilderness, from childhood in the foothills of the Adirondacks and Girl Scout camp near Lake George, to many wilderness canoe trips in recent years. I’ve been the Niagara Group’s Energy Chair, a frequent letter-to-editor writer advocating local wind power, helping start Clean Energy Community and Climate Smart Community initiatives, and opposing local gas infrastructure. I’ve done community outreach and coordinated with coalition partners. At the Chapter I helped develop the Municipal Toolkit to inform local governments about paths to clean energy. I’ve lobbied at the state and federal level, and have volunteered with the Beyond Coal Campaign New York team. As a retired professor of psychological science, I know decisions should be grounded in science and data. Life and work have taught me cultural fluency and awareness of social inequities. I’m a community and family mediator, committed to peaceful and constructive solutions. I hope to continue on the Chapter ExCom as we strive to leave fossil fuels in the ground, support a just transition to clean renewable energy, and protect the air, water, land and species we have put in danger. Email Ellen at ebanks@daemen.edu with any questions.

Please vote for up to five candidates. If you vote by paper ballot, cut off this whole page and mail to Sierra Club Atlantic Chapter, PO Box 38225, Albany, NY 12203 so that it is received no later than January 18, 2020. Member information, needed to verify that the member has not also voted online, will be separated from votes before votes are tabulated to ensure secrecy.

Vote here:  
- [ ] Roxi Sharif  
- [ ] Mary Finneran  
- [ ] Janet Lenichek  
- [ ] Ellen Banks  
- [ ] Hal Bauer

*If you have a joint membership, vote here also:*
- [ ] Roxi Sharif  
- [ ] Mary Finneran  
- [ ] Janet Lenichek  
- [ ] Ellen Banks  
- [ ] Hal Bauer

*If you have a single membership, this column will be ignored when votes are counted.*

(Banks cont. from p. 7) Club grants, started the Chapter’s Hudson River Committee to develop science-based policy re ocean rise and other river challenges, and participated in weekly legislative and policy calls, staff recruitment, lobbying and working with coalition partners. I have a love for wilderness, from childhood in the foothills of the Adirondacks and Girl Scout camp near Lake George, to many wilderness canoe trips in recent years. I’ve been the Niagara Group’s Energy Chair, a frequent letter-to-editor writer advocating local wind power, helping start Clean Energy Community and Climate Smart Community initiatives, and opposing local gas infrastructure. I’ve done community outreach and coordinated with coalition partners. At the Chapter I helped develop the Municipal Toolkit to inform local governments about paths to clean energy. I’ve lobbied at the state and federal level, and have volunteered with the Beyond Coal Campaign New York team. As a retired professor of psychological science, I know decisions should be grounded in science and data. Life and work have taught me cultural fluency and awareness of social inequities. I’m a community and family mediator, committed to peaceful and constructive solutions. I hope to continue on the Chapter ExCom as we strive to leave fossil fuels in the ground, support a just transition to clean renewable energy, and protect the air, water, land and species we have put in danger. Email Ellen at ebanks@daemen.edu with any questions.

Candidate Statement of Hal Bauer

I’ve been a Sierra Club member for over three-decades, an elected leader for a decade, and now lead/chair/participate in several Club Committee/Group meetings per month. I researched passerines in Canada, then chimpanzees in Africa. As a university scientist, teacher, parent, and organic farmer I have defended renewable energy, women’s rights, wilderness and wildlife, while fighting fossil fuel use. The Club has evolved. It (and McKibben) once considered methane a bridge fuel. The Club now advocates divesting fossil fuel securities, and 100% renewable energy in New York and everywhere. Since I applied passive solar design to my old farmhouse (making it comfortable) I ask why not pursue net-zero energy for all New York buildings through building codes and incentives? Imagine solar panels on nearly all south roofs, plugin parking meters & roadside stations charging EVs, electric mass transit, towering wind turbines above both farm fields and the waves south of Long Island. Leave fossil fuels in the ground, grab renewable energy from the sky. The NYS Legislature just passed, and Governor Cuomo signed, the ambitious Climate Leadership and Community Protection Act. Implementation will require agreements within the diverse NYS Climate Action Council. Our planet’s biome is in peril, increasingly so if in the 2020 election we don’t remove this President with his anti-science, anti-environmental, racist, fossil-fuel-promoting, neoliberal, misogynist policies and reactionary judges. Let’s eliminate his war on the poor, the hungry, women (via his global & domestic gag rule defunding family planning), immigrants and the disastrous billionaire tax relief. One study showed slowing population growth could provide 16–29% of the GHG reductions necessary by 2050. Give women choice! Climate change mustn’t reach McKibben’s Falter point on Wallace-Wells’ The Uninhabitable Earth. Questions? Ask Hal at wilds@newyork.sierraclub.org.