



## **Buffalo Zoo FrogWatch**

FrogWatch is a citizen science program to help researchers document amphibian numbers. Individuals, groups and families have an opportunity to learn about their community wetlands while reporting data on the calls of local frogs and toads. Buffalo Zoo seeks volunteers for this program who will commit to two training sessions and report on local sites. The first training session is on **March 19** from 9am to 2pm at the Buffalo Zoo, while the second training will be conducted outdoors at a field site. Contact Maureen Pantera to register for the following sessions: [mpantera@buffalozoo.org](mailto:mpantera@buffalozoo.org) or 716-995-6132. **Deadline for registration is March 11, 2016.**

## **Wildlife Rehabilitation Course**

Develop a sense of appreciation for the importance of preserving native wildlife. Learn how to lend a helping hand to injured, orphaned, and distressed animals in your community. This course provides 8 hours of instruction from Hawk Creek's own licensed environmental educators and wildlife rehabilitators. Classes are hosted on our gorgeous fifty-two acres of land in verdant East Aurora, NY. Register early class size is limited! Cost of \$100 includes 2

## **WNY Regional Science and Engineering Fair**

The WNY Regional Science and Engineering Fair is open to students in grades 5 through 12 in the 8 WNY counties who are enrolled in public or private schools, students who are home-schooled, and those involved in

## **Buffalo Science Museum Mini Makers Faire - Creative Individuals Wanted**

The Buffalo Museum of Science is now accepting applications for creative makers of all kinds to be part of our

## **NYS Aggregated Purchase of Plug**

## **Buffalo Bike Share**

Need a bike to get around downtown or UB? Buffalo Bike Share has different options to provide you with easy access to a bicycle. Check out their location map at <https://buffalo.socialbicycles.com/#map>. You can sign up online at the site and book your next reservation.

## **Buffalo's School 77 to Provide Multi-use Space**

on \_\_\_\_\_ will be rehabilitated to allow for 32 units of affordable housing for seniors, office space for PUSH Buffalo and Peace of the City, a community center with a gym and classroom space and utilization of the auditorium by Ujima Theatre. Through a neighborhood planning process community members chose the uses and partners for space within the building.

## **Learn to Grow Mushrooms at Camp Mushroom**

Camp

-day event for farmers, woodlot owners, and hobby growers

## **EPA Releases Online Mapping Tool to Help Protect Drinking Water Sources**

The U.S. Environmental Protection Agency released the Drinking Water Mapping Application to Protect Source Waters (DWMAPS) an online mapping tool to provide the public, water system operators, state programs, and



## **Vehicle Improvements for 2017**

The 2017 Chevy Bolt EV is a next-gen electric car that goes over 200 miles on a single charge, will cost under \$30,000, and could be a game changer for electric cars. Volkswagen has announced their all-electric VW van. The new BUDD-e has an estimated driving range of 373 miles on a single charge, and its battery can recharge up to 80% in 15 minutes flat. The BUDD-e is designed to accommodate electric drive components and large batteries while maintaining interior space.

## **All About Bird Anatomy: Interactive Learning**

**Bird App Available**

[12 Pathways to Greening Your School](#) is designed for you to use September - June (1-10) with two serving as year-round learning tools. But, you can put them in any order that aligns with your program. If you'd like to have access to all of these Pathways please become a [FREE MEMBER NOW!](#)

[Faces of EPA](#)-Learn about careers in the EPA and get to know EPA staff. The videos spotlight employees ranging from special agents, to ocean explorers, and others as they explain their career paths and passion for their work.

[Living Schoolyard Month DIY Lake Science App](#)-Investigate freshwater ecosystems where you live with this new DIY Lake Science App from UC Berkeley's Lawrence Hall of Science, funded by the National Science Foundation.

[Project Localize](#) is a customizable curriculum for students and teachers to explore sustainability locally while building knowledge and skills in research, math science, digital technologies, and art through project-based learning. Students participate in field trips to visit local food producers as they employ journalistic practice in gathering the information for their artwork.

[New Enviro App: Habitat the Game](#)-The Wildlife Conservation Society and Rainforest Alliance have created this new app for kids to save virtual endangered species and reduce their carbon footprint while on real-life missions. Designed for seven to 12 year-old players, Habitat encourages care of virtual endangered animals while they earn points by completing real-life missions, like recycling or visiting a park or zoo.

[Free ArcGIS for K-12](#) -Esri is providing free ArcGIS Online subscriptions for instructional use for all K-12 schools in the United States as part of the White House's ConnectED initiative. Resources to help schools get started with ArcGIS Online are available [here](#).

[Teaching Climate Change Using the National Climate Assessment Report](#)- Corn producers in Iowa, oyster growers in Washington state, and maple syrup producers in Vermont are all observing climate-related changes that are outside of recent experience. Decisions we need to be making to do something are highlighted [here](#)

[PlanetExplore](#)-

[Carton 2 Garden Contest](#) -Show us your students' creativity by re-purposing milk and juice cartons from your school cafeteria to either build or enhance your school garden. Educators can engage students in a hands-on experience creating teachable moments on environmental stewardship, sustainable packaging and healthy living. The best use of cartons in a school garden gives your school the chance to win one of 14 prizes with a grand prize valued at \$5,000. **Deadline: April 13**

[2016 International Sustainable Waterfront Design Competition](#) invites all students and experienced designers,

need to design a mid-rise, mixed-use cost budget. The conceptual drawings must be paired with a brief essay, written in English with 500 words maximum. The total prize pool is \$20,000. Late registration ends March 31, 2016 and the submission deadline is **April 30, 2016.**

[Controlling Algae and Water Quality](#)-

growing algae menace, you could win \$10 million from Everglades Foundation of Palmetto Bay, Fla. The goal is

Prize launches summer 2016.

## **Grant and Scholarship Opportunities**

[SARE/NACAA Sustainable Agriculture Fellowship](#) provides a training opportunity that enhances understanding of sustainable agriculture and provides broad-based, national exposure to successful and unique sustainable agriculture programs. Participating fellows are better able to create new programs that meet the needs of their local clientele. A series of seminars exposes the fellows to sustainable farming and ranching systems, with a focus on basic sustainable agriculture strategies and how they work in the field. Fellows also visit selected farms and ranches to view firsthand the sustainable agriculture principles studied in the classroom. **Deadline: March 15**

[Team Up for Healthy School Gardens Grants](#) - will award 32 grant recipients with gardening packages and funding. 31 programs will receive a grant package valued at \$500 which will include curriculum books, a \$350 Gardener's Supply gift certificate, and \$100 cash to be used to purchase soil amendments and fruit and vegetable plantings. One grand prize winner will receive a package valued at \$750 which will include curriculum books, a \$450 Gardeners Supply gift certificate and \$250 cash. New and established garden programs may apply. All programs must involve at least 15 youth participants ages 3 to 18. **Deadline: March 31**

[EPA Environmental Education Grants](#) -Under the Environmental Education Grants Program, the EPA supports environmental education projects that promote environmental awareness and stewardship and help provide people with the skills to take responsible actions to protect the environment. For this current grant cycle, EPA expects to award approximately 30 grants nationwide, each with a maximum award of \$91,000. **Deadline: April 8ETQ EMC**

[The Fruit Tree Planting Foundation](#) is dedicated to planting fruitful trees and plants to alleviate world hunger, combat global warming, strengthen communities, and improve the surrounding air, soil, and water. FTPF programs strategically donate orchards where the harvest will best serve communities for generations, at places such as community gardens, public schools, city/state parks, low-income neighborhoods, Native American reservations, international hunger relief sites, and animal sanctuaries. **Deadline: Rolling.**

Excelsior Conservation Corps (ECC)



[Water Assessments by Volunteer Evaluators \(WAVE\)](#)- is a citizen-based water quality assessment developed by the NYS Department of Environmental Conservation (NYSDEC). The purpose of WAVE is to enable citizen scientists to collect biological data for assessment of water quality on wadeable streams in NY State. Samples WAVE citizen scientists collect benthic macroinvertebrates from wadeable streams. To do so, participants submit sampling locations for review and attend a four-hour training session that provides hands-on experience with the required collection methods. Sampling can be conducted any time between July 1 and September 30. The US EPA equipment loan program offers high quality equipment for bacteria and chemical monitoring. For info on borrowing equipment visit: <http://www3.epa.gov/region02/citizenscience/>.

### **Get Involved in Environmental Change in WNY**

The WNY Environmental Alliance (WNYEA) has working groups that welcome individuals who want to work on improving environmental issues in our area. Check out the alliance and see a list of working groups [here](#) .

### **Upcoming Community Activities:**

**Tuesday, March 1**  
**“Spring Bulbs” -**



**Western New York Service Learning Coalition Conference-**

**2016 Canal Society Winter Symposium & Meeting**-Monroe Community College, Rochester. The Canal Society of New York State invites you to enjoy a day learning about historic canals, structures and engineers from the experts who know them best. The symposium includes a presentation about The Morris Canal of New Jersey; The High Falls Genesee Gorge at Rochester; Underwater Exploration of 19th Century Canal Boats; an Erie Canal Documentary Film; The Enduring Legacy of Surveyor John Randel Jr.; Transporting Cargo on New York Canals; Rare Erie Canal Films; and highlights of the year. Cost is \$65 at the door. [http://www.newyorkcanals.org/explore\\_symposium.htm](http://www.newyorkcanals.org/explore_symposium.htm) about 5 the

**Wednesday, March 9**

**Western New York Environmental Alliance Habitat Working Group**- 6-8pm at the Buffalo Museum of Science in the Earth Room. Questions-contact Jay Burney at [greenwatch100@gmail.com](mailto:greenwatch100@gmail.com).





**Erie Canal Harbor Development Corporation Meeting- 10:30am.**  
Regional Office, 95 Perry Street - Suite 500, Buffalo, NY 14203.

**Tuesday, March 15**

**WNY Chapter of the American Meteorological Society meeting-** 7pm at SUNY Buffalo State, Room A209, Classroom Bldg, Park in Lot I-37 and follow AMS signs. Contact [AMSChapterWNY@gmail.com](mailto:AMSChapterWNY@gmail.com) to confirm meeting.

**Public Hearing for the Buffalo Green Code -** You can view the DGEIS at [buffalogreencode.com](http://buffalogreencode.com). There is also a public hearing on March 15, 2016 at 5:30 p.m., in the City of Buffalo Common Council Chambers, 13th floor City Hall, 65 Niagara Square, Buffalo, NY 14202.

**34th Annual Greater Buffalo Environmental Conference-**



**Empty Nesters-10:00 a.m. - 12:00 p.m. at**

**WNY Permaculture** - kick-off event from 3 to 7 p.m. at Sewing Souls Studios, 356 S. Elmwood Ave., Buffalo. The documentary *Inhabit: A Permaculture Perspective* will be shown,

**West Valley Citizen Task Force- 6:30 to 9pm at Ashford Office Complex, 9030 Rte 219, West Valley.**

**Boy Scouts Merit Badge: Bird Study-** 10am - 3pm at Beaver Meadow Audubon Center, 1610 Welch Rd, Java Center, NY 14082.

behavior, & song are the things that make each species unique. Pre-requisites are 2, 6, 8a (Bring picture of your feeder). Come with your eyes & ears wide open! Pre-registration is required. Please call 585-457-3228.

**Sugar Shanty Open to Public-**10am - 2pm to Beaver Meadow Audubon Center, 1610 Welch Rd, Java Center. See our sugar shanty in action as we turn maple sap into sweet syrup.



**March**

## **GROW WNY: Local Website for Everything Environmental**

GrowWNY (<http://growwny.org>) is a new hyper-local source of information about living green in Western New York. To showcase your local events or advertise a future event, be sure to submit to their online calendar.

## **Ongoing Volunteer Opportunities Available**

Volunteer opportunities are available at local organizations for a one-time commitment for several hours to a regularly scheduled donation of your time. Websites are listed later in the newsletter.

**Aquarium of Niagara-** Scuba-certified volunteers needed to clean the sea lion exhibit (without animals) once monthly. Other opportunities exist for education, exhibit maintenance and other tasks.

**AWARE** (Association for Wild Animal Rehabilitation and Education) - Volunteers needed for fundraising, grant writing, capturing and transporting animals to us or the veterinarians, public relations, construction of cages, begging for donations of mat







**Education Resources**

[Green Education Foundation](#)

[Facing the Future](#)

[Cloud Institute for Sustainable Education](#)

[Sustainable Futures Institute](#)

[Nature Generation.](#)

[The Center for Ecoliteracy](#)

[Hamline's Center for Global Environmental Education \(CGEE\)](#)

McCollum Orchards/Wildwood CSA- <http://www.olfarmnewlife.com/>

Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>

Native Offerings- <http://nativeofferings.com/>

Niagara Malt- [www.niagaramalt.com](http://www.niagaramalt.com)

Plato Dale Farm- <http://www.platodalefarm.org/>

Porter Farms- <http://porterfarms.org/>

The Promised Land- <http://www.promisedlandcsa.com/produce.htm>

Queen City Farm- [www.queencityfarm.org/](http://www.queencityfarm.org/)

Ridge- <http://www.localharvest.org/reigles-on-the-ridge-M48650>

- <http://www.localharvest.org/richardson-farms-graces-garden->



Amherst State Park Arboretum <http://www.amherststatepark.org/ASP/Welcome.html>

Animal Advocates of Western New York <http://www.animalswny.org/>

Aquarium of Niagara [www.aquariumofniagara.org](http://www.aquariumofniagara.org)

Artfarms <http://www.artfarms.org/>

Asha Sanctuary for Rescued Farm Animals <http://www.ashasanctuary.com/>

AWARE-Assoc. for Wild Animal Rehabilitation & Education <http://www.awarewildlife.com/>

Bergen Swamp Preservation Society <http://www.bergenswamp.org/>

Bless the Beasts Foundation <http://blessthebeastsinc.webs.com/>

Bond Lake Environmental & Beautification Committee <http://www.freewebs.com/bondlake/>

Buffalo Architecture Foundation <http://www.buffaloarchitecture.org/>

Buffalo Audubon Society/Beaver Meadow Nature Center  
Volunteer Day every Wed. 10am-2pm at Beaver Meadow [www.buffaloudubon.org](http://www.buffaloudubon.org)

Braddock Bay Bird Observatory <http://braddockbaybirdobservatory.wordpress.com/>

Buffalo Astronomical Association <http://www.buffaloastronomy.com/>

Buffalo Bike Shar1ar1ar1a0 /P <</MCID 28BDC q54.825 575.:

Buffalo Niagara Riverkeeper	<a href="http://www.bnriverkeeper.org/">www.bnriverkeeper.org/</a>
Buffalo Niagara 2050 Transportation	<a href="http://www.buffaloniagara2050.com">www.buffaloniagara2050.com</a>
Buffalo Olmsted Parks Conservancy	<a href="http://www.bfloparks.org">www.bfloparks.org</a>
Buffalo Orienteering Club	<a href="http://www.buffalo-orienteeing.org/">http://www.buffalo-orienteeing.org/</a>
Buffalo Ornithological Society	<a href="http://www.buffaloornithologicalsociety.org/">http://www.buffaloornithologicalsociety.org/</a>
Buffalo ReUse	<a href="http://www.buffaloreuse.org/">www.buffaloreuse.org/</a>
Buffalo Solar Carousel	<a href="http://buffaloheritagecarousel.org/">http://buffaloheritagecarousel.org/</a>
Buffalo Urban Development Corp	<a href="http://budc.ecidany.com/">http://budc.ecidany.com/</a>
Buffalo Zoo	<a href="http://www.buffalozoo.org">www.buffalozoo.org</a>
Cabelas	<a href="http://www.cabelas.com/stores/store_info.jsp?pageName=058#events">www.cabelas.com/stores/store_info.jsp?pageName=058#events</a>
Center for Environmental Information (Rochester)	<a href="http://ceinfo.org/">http://ceinfo.org/</a>

Cornell Cooperative Extension for Niagara County	<a href="http://counties.cce.cornell.edu/niagara/">http://counties.cce.cornell.edu/niagara/</a>
Daemen College Center for Sustainable Communities	<a href="http://www.daemen.edu/academics/centersinitiatives/CSCCE">www.daemen.edu/academics/centersinitiatives/CSCCE</a>
Department of Environmental Conservation (NY State)	<a href="http://www.dec.ny.gov/index.html">www.dec.ny.gov/index.html</a>
Designing to Live Sustainably	<a href="http://www.d2lsbuffalo.com/">http://www.d2lsbuffalo.com/</a>
Earth Spirit Educational Services	<a href="http://www.earthspiritedu.org">www.earthspiritedu.org</a>
Environmental Education Associates	<a href="http://environmentaleducation.com/">http://environmentaleducation.com/</a>
Environmental Protection Agency Local Office (716) 551-4410	<a href="http://www2.epa.gov/aboutepa/epa-region-2">http://www2.epa.gov/aboutepa/epa-region-2</a>
Erie Canal Harbor Development	<a href="http://www.eriecanalharbor.com/">http://www.eriecanalharbor.com/</a>
Erie County Community College Going Green	<a href="http://eccgoinggreen.ecc.edu/index.html">http://eccgoinggreen.ecc.edu/index.html</a>
Erie County Conservation Society	<a href="http://eccs-club.org/">http://eccs-club.org/</a>
Erie County Department of Environment and Planning	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Erie County Environment Management Council	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Erie County Farm Bureau	<a href="http://www.ecfarm.com/">http://www.ecfarm.com/</a>
	<a href="http://www.eriectyfsc.org/">http://www.eriectyfsc.org/</a>
Erie County Parks and Recreation	<a href="http://www.erie.gov/parks">http://www.erie.gov/parks</a>
Erie County Soil and Water Conservation	<a href="http://www.ecswcd.org/">www.ecswcd.org/</a>
Excalibur Leisure Skills	<a href="https://www.facebook.com/excaliburleisureskills/">https://www.facebook.com/excaliburleisureskills/</a>
Explore Buffalo	<a href="http://www.explorebuffalo.org">www.explorebuffalo.org</a>

For A Clean Tonawanda Site	<a href="http://www.factsofwny.com/">www.factsofwny.com/</a>
Foundry	<a href="http://thefoundrybuffalo.org/">http://thefoundrybuffalo.org/</a>
Friends of the Iroquois National Wildlife Refuge	<a href="http://www.friendsofiroquoisnwr.org/">http://www.friendsofiroquoisnwr.org/</a>
Friends of Times Beach Nature Preserve	<a href="http://www.friendsoftimesbeachnp.org/">http://www.friendsoftimesbeachnp.org/</a>
Foothills Trail Club	<a href="http://www.foothillstrailclub.org">www.foothillstrailclub.org</a>
Gander Mountain Store (seminar listings)	<a href="http://www.gandermountain.com/store-locator/">http://www.gandermountain.com/store-locator/</a>
Garden Clubs of WNY	<a href="http://www.gardenclubsofwny.com">www.gardenclubsofwny.com</a>
Garden Walk Buffalo	<a href="http://gardenwalkbuffalo.com/">http://gardenwalkbuffalo.com/</a>
Genesee County Nature Center	<a href="http://www.gcv.org">www.gcv.org</a>
Global Justice Ecology Project	<a href="http://globaljusticeecology.org/">http://globaljusticeecology.org/</a>
Go Bike Buffalo	<a href="http://gobikebuffalo.org/">http://gobikebuffalo.org/</a>
Good Going WNY	<a href="http://www.goodgoingwny.com">www.goodgoingwny.com</a>
Gooseneck Hill Waterfowl Sanctuary	<a href="http://www.gooseneckhillwaterfowlfarm.com">www.gooseneckhillwaterfowlfarm.com</a>
Grassroots Gardens of Buffalo	<a href="http://www.grassrootsgardens.org/">www.grassrootsgardens.org/</a>
Greater Buffalo-	



Heart of the City Neighborhoods, Inc.

[www.hocn.org](http://www.hocn.org)

Iroquois National Wildlife Refuge

<http://www.fws.gov/refuge/iroquois/>

Jamestown Audubon Center & Sanctuary

[www.jamestownaudubon.org](http://www.jamestownaudubon.org)

Jamestown Community College

<http://www.sunycc.edu/sustainability>

-Buffalo

<http://janeswalk.org/united-states/buffalo-ny/>

Junior Solar Sprint Buffalo

[www.jssbuffalo.com](http://www.jssbuffalo.com)

Lake Erie Forum

<http://www.lakeerieforum.org/>

Lake Erie Seaway Trail Center

<http://lakeeriseawaytrail.org/>

League of Women Voters of Buffalo Niagara



One Region Forward

<http://www.oneregionforward.org/>

Partnership for the Public Good

[www.ppgbuffalo.org](http://www.ppgbuffalo.org)

Paths, Peaks and P(a)-22T54.825 680.9 293.6 15 reW\* nBT/F1



