



MASSACHUSETTS ENVIROTHON

Friday, May 18, 2018

Blackstone River & Canal Heritage State Park, Uxbridge, Mass.

Welcome!

To quote Leonardo DiCaprio, "Mother Earth is hurting and she needs a generation of thoughtful, caring and active kids like all of you to protect her for the future. You can help us win the battle to clean up our air, our water, our land, to protect our forests, our oceans and our wildlife." Sharing our knowledge and experiences and providing helpful guidance to the teams that have become a part of the environmental family is what brings all of us together today for the 31st annual Massachusetts Envirothon.

As we were beginning this Envirothon journey last September, the city of Cape Town, South Africa was introducing stringent water use restrictions in an effort to extend "day zero" (the day the city would run out of water and all taps would be shut off due to severe drought and over consumption). This day was projected to be in March 2018. I am happy to pass along that today there is still water flowing from the taps and day zero has been pushed back to 2019. This did not happen because one person took a shorter shower- it happened because the community as a whole (and a little help from Mother Nature) had to work on the problem together and reduce water usage. This is the way environmental problems and issues are solved: as a team.

To our teams: We feel that we have given you a good start on the knowledge that you will need to make a difference in your community and the world. You already had the passion, enthusiasm and commitment to make those changes.

To our volunteers, judges and special guests: We extend a heartfelt thank you for spending the day with us and these terrific students and we hope that you learn as much from them as they will from you.

To our teachers and coaches: Thank you for your continued dedication to the Mass. Envirothon.

Kelley Freda
Kelley Freda

Mass. Envirothon Steering Committee



Blackstone River & Canal Heritage State Park

This Year's Registered Teams

- Acton-Boxborough Regional High School
- Bristol County Agricultural High School
- Brockton High School
- David Prouty High School
- Deerfield Academy
- Dighton Rehoboth Regional High School
- Doherty High School
- Essex Technical High School - Natural Resource Management
- Fitchburg High School
- Greater New Bedford Voc-Tech High School
- Greenfield High School
- Leicester High School
- Lexington High School
- Millbury Jr./Sr. High School
- Newton North High School
- Newton South High School
- Norfolk County Agricultural High School
- Oliver Ames High School
- Pioneer Valley Regional School
- Plymouth South High School
- Reading Memorial High School
- Rockland High School
- Shepherd Hill Regional High School
- Somerset Berkley Regional High School
- Southeastern Regional Voc-Tech High School
- Springfield Central High School

2018 CURRENT ISSUE

*Partnering
with Nature in
Watersheds*

Schedule	2
Steering Committee	2
Station Coordinators	2
Mass. Envirothon Council	2
What Happens at an Ecostation?	3
Community Awards	3
2018 Current Issue	4
Current Issue Presentation Judges	5
Volunteers	6
About This Year's Host Site	7
Sponsors & Partners	8

INSIDE



Schedule

7:30 - 8:30	Registration for teams, volunteers and judges Teams confirm their stations and presentation time Team pictures
8:00	Orientation for volunteers and judges
8:30 - 8:45	WELCOME and announcements Commissioner Leo Roy, Mass. Dept. of Conservation & Recreation

9:00 - 10:05 First period

9:00 - 9:30	Current Issue 1.1
9:35 - 10:05	Current Issue 1.2

10:15 - 11:20 Second period

10:15 - 10:45	Current Issue 2.1
10:50 - 11:20	Current Issue 2.2

11:30 - 12:35 Third period

11:30 - 12:00	Current Issue 3.1
12:05 - 12:35	Current Issue 3.2

12:35 - 1:45 EnviroTrek Lunch

12:45 - 1:45	Informal team displays and conversations. Visit exhibits and info tables.
1:45	Group photo, evaluation surveys
2:00	Announcement of Community Awards



Mass. Envirothon Steering Committee

Don Badeau, Jr., <i>MESC Vice Chair</i>	Plymouth County Conservation District
Kelley Freda	Mass. Dept. of Conservation & Recreation, Water Supply Protection
Justin Gonsor, <i>MESC Secretary</i>	Mass. Dept. of Conservation & Recreation
Dan Giza	ASA Analysis & Communications
Joe Perry	Mass. Dept. of Conservation & Recreation
Kris Scopinich	Mass Audubon
Will Snyder	UMass Extension/4-H, Center for Agriculture, Food & the Environment
Lisa Trotto	Worcester County Conservation District
George Zoto	Mass. Dept. of Environmental Protection

Steering Committee Advisory Members

Al Averill	USDA Natural Resources Conservation Service
Becky Bottomley	Former coach
Wendell Cerne	Mass. Science Education Leadership Association
Meg Colclough	Exec. Office of Energy & Environ. Affairs
Bill Dunham	Exec. Office of Energy & Environ. Affairs, Learning & Workforce Dev.
Amie Humphrey Facendola *	Alden Research Laboratory, Inc.
Pam Landry	Mass. Division of Fisheries & Wildlife
Rick LeBlanc	Mass. Dept. of Agricultural Resources
Julie A. Martin	Mass. Dept. of Conservation & Recreation
Elizabeth McGuire	Middlesex Conservation District
Dominique Pahlavan	Exec. Office of Energy & Environ. Affairs
Diane Baedeker Petit	USDA Natural Resources Conservation Service
Clif Read	Mass. Dept. of Conservation & Recreation
Jeffery Rubel *	Former coach and participant

Brita Dempsey

Mass. Envirothon Coordinator

Station Coordinators/Curriculum Specialists

Al Averill	USDA Natural Resources Conservation Service
Kelley Freda	Mass. Dept. of Conservation & Recreation, Water Supply Protection
Pam Landry	Mass. Division of Fisheries & Wildlife
Dominique Pahlavan	Executive Office of Energy & Environmental Affairs
Joe Perry	Mass. Dept. of Conservation & Recreation
Will Snyder	UMass Extension/4-H, Center for Agriculture, Food & the Environment

Massachusetts Envirothon Council

Joe Smith, <i>MEC Chair</i>	President, Mass. Association of Conservation Districts
Matthew Beaton	Secretary of Energy & Environmental Affairs
George Buckley	Harvard Extension School
Deborah Cary	Mass Audubon
Warren Chamberlain	Mass. State Grange
Michelle Fineblum	Mass. Envirothon parent
Matthew Goode	Suffolk County Conservation District
Curt Griffin	School of Earth & Sustainability, UMass Amherst
Marion Larson	Mass. Division of Fisheries & Wildlife
Nathan Nesbitt *	Mass. Envirothon alumnus
Jennifer Norwood	Exec. Office of Energy & Environmental Affairs
Jane Obbagy	Mass. Association of Conservation Districts
Will Snyder	UMass Extension/4-H, Center for Agriculture, Food & the Environment

* Massachusetts Envirothon alumni



www.facebook.com/maenvirothon



Come to the EnviroTrek Lunch!

When the testing is over, everyone is invited to eat lunch, unwind, make new friends from across the state and share connections at the EnviroTrek Lunch. Here's how it works:

All through the year, teams work hard, play hard, meet new people, find new places, try new experiences, get wet, dirty and tired, design a t-shirt, stay up late to prepare and generally have a good time through the year as they get ready for the May Envirothon. This is their EnviroTrek!

During the EnviroTrek Lunch, each team has a home table. At each table, at any given time, two or three "home team" members share their team's experiences with "visitors" from other teams.

The place buzzes with stories, ideas, opinions and concerns as each home team shows and tells about their experiences. Visitors, who move from table to table, offer questions and views. Team members take turns sitting at the home table and visiting other tables.

EVERYONE at the Envirothon – teams, judges, coaches, volunteers, sponsors – is welcome to join in!

What happens at an Ecystation?



At the Massachusetts Envirothon, teams rotate through four ecystations, in addition to giving their Current Issue presentation. Each ecystation has a different emphasis: forestry, soil, water and wildlife.

When students arrive at each ecystation, the examiners instruct them to get into their distinct teams. Teams listen to examiners for a brief time to become familiar with that station, its questions and any other special instructions.

It's then up to the team to determine their strategy in taking the exam. They can break up and use individual strengths (for example, one or two people focus on species ID, while the others do the written section), or go through the exam as a team.

The ecystations generally incorporate questions that are:

- **Written** – multiple choice, true or false or fill-in-the-blank.
- **Practical** – This may include species identification, questions that relate to the soils or habitat surrounding the station and hands-on activities.

Community Awards for Research & Action

Why Community Awards? Teams work hard to prepare for their Envirothon Current Issue presentation. They deserve recognition for this work! And if their research results in a service or action project that benefits their community, this also should be recognized. The Massachusetts Envirothon Community Awards provide important recognition for teams, plus visibility for schools and their communities.

Teams who work to qualify for the awards tell us that they have a better Envirothon experience overall. Everybody wins! These awards are optional and non-competitive. They can be earned by any team that meets the requirements for the awards. Teams can earn one or both of these awards:

The **Community Research Award** is presented to teams who have done thorough and wide-ranging community investigation in preparation for their Current Issue presentations. To meet the standard for the

award, they must show that they have been resourceful in using a range of research strategies – exploring community places, talking to a variety of people, using maps, researching at the library and town offices, and using the web.

The **Community Action Award** is presented to teams who take what they learn in their Current Issue research and use that knowledge to benefit their community.



All kinds of action projects are possible: community education, advocating for change, collecting data, or hands-on conservation projects in the field. They might plug into an existing community effort, or develop a project of their own.

On the day of the Envirothon competition, teams meet with an Envirothon volunteer who interviews them about their experiences preparing for the award(s).

The Community Awards are a great opportunity to spread the word about the good work that Envirothon teams do!

Teams who earn these awards receive recognition and a certificate at the competition. A letter of congratulations is sent to each team's principal, with copies to their coaches, superintendent, community partners, state legislators, local news media and the state Secretary of Energy & Environmental Affairs. 💧

2018 Current Issue

Partnering with Nature in Watersheds



This year's Current Issue asked: Can our communities work with the natural infrastructure of our watersheds toward sustainable development, even as climate change accelerates?

The answer is yes. Partnering with natural processes at work in the landscape can not only strengthen the water-related ecosystem services we rely upon, but also conserve energy, slow climate change, and save money.

However, taking advantage of these partnering opportunities requires knowledge of the landscape and its people, scientific understanding of hydrological processes, engagement by communities and citizens, plus foresight, collaboration, and creativity.

Teams were invited to explore the ways their communities currently participate in the hydrological systems in their watershed, and how they might more sustainably protect, preserve, and make use of the ecosystem services provided by these hydrological processes around them.

They were encouraged to start with a broad exploration by asking:

- *Where are the surface waters within this region? The groundwater resources? What land uses are represented? Teams were encouraged to trace the boundaries of the watershed on a map.*
- *Where does our domestic/drinking water come from? Where does it go, and what is it carrying when it goes down the drain?*

- *How much of the watershed's full water budget does your community use? What ecosystem services support the community's water use? Who is planning for our long-term health?*
- *Where are gray and green infrastructure already working together to meet community water needs?*
- *Who is responsible for ensuring water supply? Wastewater treatment? Stormwater management?*
- *What organizations and individuals are advocating for water resources?*
- *What engineers and natural resource managers are engaged in this work? What problems are they addressing? What solutions are they offering?*
- *What "partnering" projects are already in place in your watershed? In the planning stages? Who is involved?*
- *How will climate change affect water resources in the community in the next 50 years?*

Through this research, teams have assessed water infrastructure resources and needs, identified an important partnering opportunity, and made specific recommendations for action.

For their Current Issue presentation, teams have taken this general knowledge and addressed more specific – but still connected – problems in their watershed. ♠

How does the Current Issue work?

In this component of the Envirothon program, teams research a current environmental issue as it occurs in their own community, then prepare a presentation on their findings and proposed solutions.

The Massachusetts Envirothon Committee works to ensure that the topic is relevant to ALL Massachusetts communities.



Wide-ranging community research is encouraged, including field study; interviews of scientists, advocates, local officials and residents; internet and library searches; map reading; and visits to Town Hall.

At the competition, teams present their Current Issue findings and recommendations to a panel of expert judges who score them and provide feedback on their knowledge, proposed solutions and presentation skill.

A highlight of the experience is the interaction between the teams and the judges when the scoring is completed. After the morning competition, teams have a chance to share their projects informally at a lunchtime "EnviroTrek" session.

Many teams take what they learn in their Current Issue research and apply it in a community action project. Any team that demonstrates high research standards in their Current Issue work, or applies their Envirothon learning in a service project, is eligible for an Envirothon Community Award. ♠

Current Issue Presentation Judges

Judges as of May 15, 2018



- **Tom Akin**, USDA Natural Resources Conservation Service
- **Russ Anderson**, Massachusetts Agriculture in the Classroom
- **Jackson Bailey**, Environmental Business Council of New England
- **Alison Bates ***, UMass Dept. of Environmental Conservation
- **Kim Bent**, Catch The Science Bug
- **Maggi Brown**, Mass. Dept. of Conservation and Recreation - Blue Hills Reservation & South Coast Sites
- **George Buckley**, Harvard University, Sustainability and Environmental Management Programs DCE
- **Jennifer Carlino**, Town of Norton
- **Debbie Cary**, Mass Audubon
- **Wendell Cerne**, Mass. Science Education Leadership Association
- **Warren Chamberlain**, State Commission for Conservation of Soil, Water, and Related Resources
- **Peter Church**, Mass. Dept. of Conservation & Recreation
- **Susan Cox**, USDA Forest Service
- **Melissa Cryan**, Executive Office of Energy & Environmental Affairs
- **Scott Davis**, Mass. State Grange
- **MaryAnn DiPinto**, Three Oaks Environmental
- **Nancy Eyster-Smith**, Bentley University, Dept. of Natural & Applied Sciences
- **Jennifer Fish**, Mass. Dept. of Conservation & Recreation
- **Priscilla Geigis**, Mass. Dept. of Conservation & Recreation

Participating State Officials

- **Matthew Beaton**, Secretary, Executive Office of Energy & Environmental Affairs
- **Leo Roy**, Commissioner, Mass. Department of Conservation & Recreation
- **Rep. Solomon Goldstein-Rose**, Mass. House of Representatives

- **John Gioia**, Executive Office of Energy & Environmental Affairs
- **Hon. Solomon Goldstein-Rose**, Mass. House of Representatives
- **Karen Grey**, Wildlands Trust
- **Lisa Gustavsen**, Mass. Dept. of Conservation & Recreation, Office of Watershed Management
- **Masoud Hashemi**, UMass Stockbridge School of Agriculture
- **John Hayes**, Salem State University
- **Nancy Kaplan**, Eversource Energy
- **Isaac Larsen**, UMass Dept. of Geosciences
- **Brian Lickel**, UMass Psychological & Brain Science



- **Carl Melberg**, U.S. Fish and Wildlife Service, Eastern Massachusetts NWR Complex
- **Bill Moulton**, Mass. Dept. of Conservation & Recreation - Division of Water Supply Protection
- **Santoshi Nadimpalli**, Sustainability Science Program, UMass Amherst
- **Jenny Norwood**, Executive Office of Energy & Environmental Affairs
- **Jane Obbagy**, Mass. Association of Conservation Districts
- **Kevin O'Brien**, Mass. Sierra Club
- **Bob O'Connor**, Executive Office of Energy & Environmental Affairs
- **Emmanuel Owusu**, Executive Office of Energy & Environmental Affairs
- **Gerry Palano**, Mass. Dept. of Agricultural Resources
- **Juan Perez**, U.S. Environmental Protection Agency Region 1
- **Kathy Peterson**, Mass. State Grange
- **Mary Jude Pigsley**, Mass. Dept. of Environmental Protection
- **Denise Pires**, Executive Office of Energy & Environmental Affairs
- **Reena Randhir**, Springfield Technical Community College
- **Timothy Randhir**, UMass Dept. of Environmental Conservation

- **Vandana Rao**, Executive Office of Energy & Environmental Affairs
- **Whitney Retallic**, Walden Woods Project
- **Heidi Ricci**, Mass Audubon Society
- **John Scannell**, Mass. Dept. of Conservation & Recreation - Division of Water Supply Protection
- **Randy Stone**, Mass. Dept. of Conservation & Recreation - retired
- **Christopher Szkutak**, Mass. State Grange
- **Katie Theoharides**, Executive Office of Energy & Environmental Affairs
- **Hotze Wijnja**, Mass. Dept. of Agricultural Resources
- **Joel Zimmerman**, Mass. Dept. of Conservation & Recreation - Division of Water Supply Protection

Presentation Hosts

- **Jane Heinze-Fry**, Museum Institute for Teaching Science
- **Dominique Pahlavan**, Executive Office of Energy & Environmental Affairs
- **Dhimitri Skende**, Burncoat High School, Worcester
- **Kris Scopinich**, Mass Audubon
- **Dawn Travalini**, Environmental Permitting Group, National Grid



Community Awards Interviewers

- **Jani Benoit**, Wheaton College, Dept. of Chemistry
- **Michelle Fineblum**, Mass. Envirothon Council; Training Consultant
- **Nathan Nesbitt***, Boston College Physics Dept.
- **Jeffrey Rubel***, Mass. Envirothon Steering Committee

Volunteers

Volunteers as of May 15, 2018



- **Tom Ashton**, Mass. Dept. of Conservation & Recreation
- **Will Averill**
- **Kate Bentsen**, Mass Division of Ecological Restoration
- **Dan Berard**, USDA Animal & Plant Health Inspection Service
- **Elaine Brewer**, MassWildlife
- **Jacquelyn Burmeister**, Worcester Dept. of Public Works & Parks
- **Chelsea Carey**, USDA Animal & Plant Health Inspection Service
- **John Clement**, Mass. Dept. of Conservation & Recreation - Retired
- **James Clune**, Town of Gardner
- **Leigh Ann Colvin**, Town of Pepperell
- **Tim Connolly**, USDA Animal & Plant Health Inspection Service
- **Heather Cotoni**, Mass. Dept. of Conservation & Recreation
- **Patrick Cunningham ***, Mass. Dept. of Conservation & Recreation Water Supply Protection
- **Paula Davison**, Mass. Dept. of Conservation & Recreation Water Supply Protection
- **Julien DeChannes**, Credo High School, Rohnert Park, CA
- **Eric DeLeo**, USDA Animal & Plant Health Inspection Service
- **Keith DiNardo**, Mass. Dept. of Conservation & Recreation
- **Mike Downey**, Mass. Dept. of Conservation & Recreation
- **Norma Forgione**, Mass. Mass. Dept. of Conservation & Recreation
- **Kate Gervais**, Worcester County Conservation District
- **Dave Getman**, Mass. Dept. of Conservation & Recreation Water Supply Protection
- **Connor Goncz Walter**, Student Conservation Association

- **Adam Green**, USDA Animal & Plant Health Inspection Service
- **Paul Gregory**, Mass. Dept. of Conservation & Recreation
- **Bowen He ***, Newton, Mass.
- **Russ Holden**, Uxbridge Conservation Commission
- **Sam Hollister**, Student Conservation Association
- **Neil Hooker**, Envirothon Alumni
- **Astrid Huseby**, MassWildlife
- **Jack Jackson**, Mass. Dept. of Conservation & Recreation - Retired
- **Adam Jankauskas**, City Compost
- **Bella Johnson ***, Dudley, Mass.
- **Mackenzie Kegans**, Envirothon Alumni/Simmons College
- **Cali Knox**, Smith College Campus School
- **Moe Lavoie**, Smithfield Foods
- **Nancy Lebedzinski**, Town of Pepperell
- **Iris Liao ***, Newton, Mass.
- **Rebecca Longvall**, Town of Bolton Conservation Department
- **Darren Lu**, Student Conservation Association
- **Austin Mason**, Mass. Dept. of Conservation & Recreation - Retired
- **Bridgett McAlice**, MassWildlife
- **Holly Nemeth**, USDA Natural Resources Conservation Service
- **Jeanne Nevard**, Town of Pepperell
- **Lucky Nguyen**, Envirothon Alumni
- **Emily Novack ***, Charlton, Mass.
- **Carrie Novak**, USDA Farm Service Agency and Templeton Agricultural Committee
- **John Omasta**, Hampshire and Hampden Conservation District
- **Paula Packard**, Mass. Dept. of Conservation & Recreation Water Supply Protection



- **Kathryn Parent**, Blackstone River & Canal Heritage Park
- **Maggie Payne**, USDA Natural Resources Conservation Service
- **Chucky Perna**, Mass. Dept. of Conservation & Recreation - Retired
- **Les Perry**, Mass. Dept. of Conservation & Recreation
- **Mary Perry**, Shawme Crowell State Forest
- **Chris Perry**, USDA Animal & Plant Health Inspection Service
- **Moria Perry-Barrows**, Town of Granby
- **Ray Picard**, Smithfield Foods
- **Denis Punch**, Smithfield Foods
- **Robert Purcell**, USDA Natural Resources Conservation Service
- **Dan Rankin**, Smithfield Foods
- **Clif Read**, Mass. Dept. of Conservation & Recreation
- **Judy Reilly**, Bristol-Myers Squibb
- **Jacqueline Richard**, USDA Animal & Plant Health Inspection Service
- **Leon Ripley**, Hampshire and Hampden Conservation District
- **Sarah Rippere**, Hampshire and Hampden Conservation District
- **Jeffrey Rubel ***
- **Tom Ryan**, Mass. Dept. of Conservation & Recreation
- **Colin Shaughnessy**, Town of Plymouth
- **Kyle Shaughnessy**, Town of Plymouth
- **Matt Shreiner**, USDA Animal & Plant Health Inspection Service
- **Richard Stabile**, Mass. Dept. of Conservation & Recreation
- **Val Stegemon**, Blackstone River & Canal Heritage Park, retired
- **Colby Streeter**, USDA Animal & Plant Health Inspection Service
- **Steven Taylor**, Student Conservation Association

* Massachusetts Envirothon alumni

www.massenvirothon.org

Volunteers

- **Victoria Taylor**, Student Conservation Association
- **Susan Thomas**, Mass Audubon/Blackstone River Coalition
- **Gini Traub**, Mass. Dept. of Conservation & Recreation
- **Catherine Ulitsky**, USDA Natural Resources Conservation Service
- **Rich Valcourt**, Mass. Dept. of Conservation & Recreation - Retired
- **Joelle Vautour**, Mass. Dept. of Conservation & Recreation
- **Mike Waterman**, Mass. Dept. of Conservation & Recreation
- **Erica Willey**, USDA Animal & Plant Health Inspection Service
- **Ann Witzig**, Retired, Environmental Technology CTE teacher at Essex Technical High School
- **Dave Zimmermann**, USDA Natural Resources Conservation Service



Millbury Jr./Sr. High School Environmental Council

- | | |
|---------------------|-----------------------|
| • Julia Allain | • Thomas Machacz |
| • Zach Belanger | • Lauren Miner |
| • Carisa Beltran | • Liz Mitchell |
| • Francesca Beyer | • Kayleen Ripsz |
| • Gianna Borowski | • Lexi Roccanti |
| • Indigo Cadorette | • Nina Romeo |
| • Ava DiDonna | • Isabel Shum |
| • Anthony DiDonna | • Sam Stafinski |
| • Angelina Fenuccio | • Felicity Ulfves |
| • Alex Hone | • Marisa Vaillancourt |



About Our Host Site



Blackstone River & Canal Heritage State Park

The Blackstone River and Canal Heritage State Park recalls the role of canals in transporting raw materials and manufactured goods between emerging industrial centers.

This park, which straddles the Uxbridge-Northbridge town line, is operated in conjunction with the Blackstone River Valley National Heritage Corridor, which extends from Worcester to Providence, RI.

Spurred by the expansion of textile manufacturing along the Blackstone River in the early 19th century, the Blackstone Canal was built to link Central Mass. to the Atlantic via Providence.

Between 1828 and 1848, segments of the river were paralleled by the canal on

which horse-drawn boats carried freight and passengers between Worcester and Providence. Initially highly successful, the canal was made obsolete by the completion of the railroad in 1847.

Most of the canal structures are now gone, but the remains of lock chambers, dams, bridges, workers' housing, and a company store remind us of the rich industrial history of the Blackstone River Valley.

Visitors can walk along restored sections of the Blackstone River Canal and towpath from the Visitors Center. A 1000 acre natural area offering walking and hiking paths, canoe access, picnic areas and a broad expanse of the Blackstone River known as Rice City Pond, which is a great area for watching wildlife. 💧





The Massachusetts Envirothon is a program of the Massachusetts State Commission for Conservation of Soil, Water & Related Resources. Our work would not be possible without contributions of time, resources and funding from these sponsors and partners.

Blackstone River & Canal Heritage State Park

Jody Madden, Park Supervisor

Partners

- ★ Alden Research Laboratory, Inc.
- ★ Mass Audubon
- ★ Mass. Assoc. of Conservation Districts
- ★ Mass. Dept. of Agricultural Resources
- ★ Mass. Dept. of Conservation & Recreation
- ★ Mass. Dept. of Environmental Protection
- ★ Mass. Div. of Fisheries & Wildlife (MassWildlife)
- ★ Mass. Executive Office of Energy & Environmental Affairs
- ★ Middlesex Conservation District
- ★ Mount Wachusett Community College
- ★ UMass Amherst, College of Natural Sciences
- ★ UMass Extension/4-H, Center for Agriculture, Food & the Environment
- ★ UMass Amherst, Dept. of Environmental Conservation
- ★ USDA Natural Resources Conservation Service
- ★ Worcester County Conservation District

Special thanks to...

the judges, volunteers, coaches, agencies, organizations, schools, parents and all whose hard work and support make the Mass. Envirothon possible!

Sponsors

Leadership Circle (\$10,000 & up)

- ★ Massachusetts Executive Office of Energy & Environmental Affairs

EnviroTrek (\$5,000 & up)

- ★ U.S. Forest Service through Mass. Dept. of Conservation & Recreation
- ★ Massachusetts State Grange

Quabbin Level (\$1,000 & up)

- ★ George Buckley
- ★ Eversource Energy

Peregrine Falcon Level (\$500 & up)

- ★ Environmental Business Council of New England
- ★ Arthur Mabbett
- ★ Green Newton
- ★ NationalGrid
- ★ Smithfield Foods
- ★ Society of Soil Scientists of Southern New England

Paxton Sandy Loam Level (\$100 & up)

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- ★ Warren Chamberlain
- ★ Ann Dannenberg
- ★ Paula and Carl Feynman
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- ★ Curtice R. Griffin
- ★ Ham Hackney
- ★ Nancy Matsumoto
- ★ Cheryl and Patrick Quaine
- ★ Mary Ryan
- ★ Joe Smith
- ★ Will Snyder

30th Anniversary Friends of Envirothon (\$30 & up)

- ★ Mary Battenfeld and William Perkins
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- ★ Claire Freda
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- ★ Mass. Dept. of Conservation & Recreation
- ★ Museum of Science Boston
- ★ New England Aquarium

Other Sponsors

- ★ Ruth Gold
- ★ Janet and Joel Perlmutter
- ★ Andrea and John Nada
- ★ DEK Associates, Inc.
- ★ Naila Al Hasan

Team Sponsors

The following organizations and individuals have sponsored teams directly:

Central Community Grange
Xhino Gjokollari
Hampshire-Hampden County Conservation District
Ransford Environmental Services
Worcester County Conservation District

Please help support the
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donation of any level at:
massenvirothon.org/donate