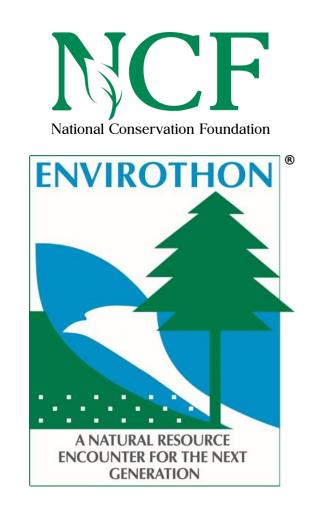
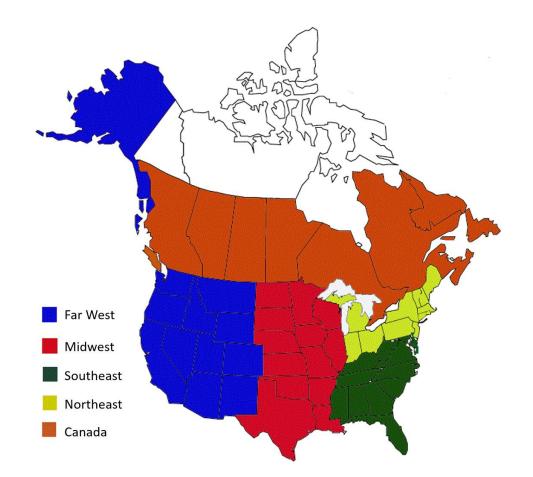
NCF-Envirothon



Connect with us on Social Media

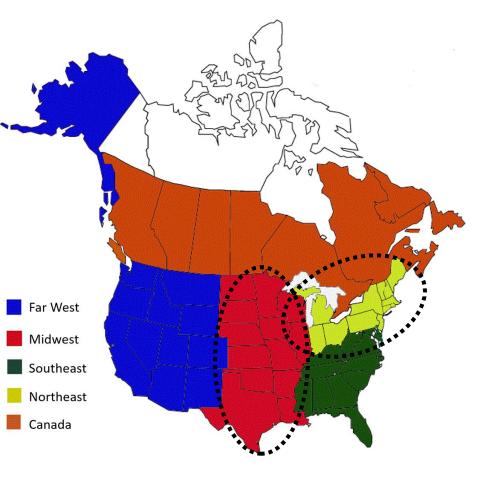
NCF-Envirothon Operating Committee

Region	Representative	State/Province
Canada	Jacqueline Monteith	Manitoba
Canada	Becky Geneau	New Brunswick
Mid-West	Jeanne Dryburgh	Nebraska
Mid-West	Vacant	
Northeast	Vacant	
Northeast	Wendee Dodds	Ohio
Southeast	Millie Langley	North Carolina
Southeast	Brooke Myers	South Carolina
West	Shonny Nordlund	Montana
West	Carrie Milligan	Utah
At-Large	Debbie Waycott	Nova Scotia
At-Large	Kerin Hume	Delaware
At-Large	Mark Hedge	New Mexico



NCF-Envirothon Operating Committee - Nominations

- The National Conservation Foundation (NCF) is seeking nominations for a Northeast and Midwest Representative.
 - NE: Michigan, Indiana, Ohio, Pennsylvania, New York, New Jersey, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, Maine
 - MW: North Dakota, South Dakota, Nebraska, Oklahoma, Arkansas, Texas, Louisiana, Missouri, Iowa, Kansas, Minnesota, Wisconsin, Illinois
- If you, or someone you know is interested, fill out a Nominations Form by October 15, 2022
- Appointments for the 3-year term would begin on Jan 1, 2023



2023 Annual Meeting – Winter Operating Committee Meeting

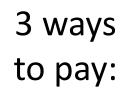
- The NCF-Envirothon Operating Committee Winter Meeting - held in conjunction with the NACD Annual Meeting
 - 2023 NACD Annual Meeting
 - Feb. 11-15, 2023
 - New Orleans, Louisiana
- Operating Committee Winter Meeting: February 11-12, 2023

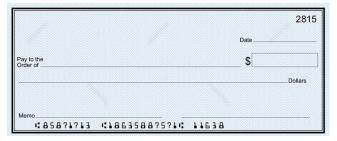




2023 NCF-Envirothon Membership Dues

- State/Provincial Base Rate = \$450
- Due by December 31, 2022!
- Canadian Provinces: please note if paying by cheque, a U.S. Bank Draft is required









2023 NCF-Envirothon Membership Dues

- EVERYONE should fill out the online Dues Invoice to:
 - Create an Invoice
 - Indicate how you will be paying
 - Complete payment if paying by PayPal



2023 NCF-Envirothon Annual Membership Dues Invoice

\$0.00 TOTAL

State, Provincial, and Partner Nation Envirothon Programs,

Please complete the below form to receive an Invoice for the 2023 NCF-Envirothon Annual Membership Dues by the December 31, 2022 deadline.

The 2023 Annual Membership Dues are \$450 (U.S.) and can be paid via check (U.S. bank draft), credit card (PayPal) or direct deposit.

Per NCF-Envirothon Program Policy, Membership Dues for Competition Year 2023 (September 1, 2022 – August 31, 2023) are due by December 31, 2022. Failure to pay all outstanding Membership Dues could result in ineligibility of team participation in the NCFE annual competition, forfeit of the right to use the Envirothon name/logo, restricted access to NCFE resources and more.

Once completed, you will receive a emailed copy of this form and attached pdf Invoice.

Thank you!

Today's D	ate *				
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Select you	ur State, P	rovincial, o	or Partner N	lation Prog	ram *
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Name *	1				
First	Last				
Email *					
Phone	.				

2023 NCF-Envirothon Membership Dues

 Once completed, you will receive a paper invoice by email for your records

INVOICE

2023 NCF-Envirothon Membership Dues

Date: Sep 02, 2022 Envirothon Program: [Admin Use Only]

Name: Jen B

Bill To: NCF

Billing Address: 1234 TEST ABC, NC 12345 United Kingdom

Item	sub-total
2023 NCF-Envirothon Annual Membership Dues	\$450.00 USD
Additional Donation	
TOTAL DUE =	\$450 USD

Payment Type: Direct Deposit

Make all checks* payable to: NCF-Envirothon Memo Line

Memo Line: 2023 NCFE Annual Membership

Mail to: National Conservation Foundation Attn. Karla Maldonado-Mitchell 509 Capitol Court N.E. Washington, D.C. 20002

*Canadian Provinces: Please note if paying by cheque, a U.S. Bank Draft is required.

Please include a copy of Invoice when mailing check or U.S. Bank Draft!

NCF-ENVIROTHON 509 Capitol Court NE, Washington, DC 20002 1-800-825-5547 | envirothon.org

NCF-Envirothon Online Discussion Forum - NEW

- Launching this fall!
- Each dues paying member will get login access for the year
- Envirothon Forum/Message Board
- Value-added benefit to Annual Membership Dues!
- Will be a one-stop shop for
 - Envirothon updates (in addition to listserv messages)
 - Asking your fellow Envirothon Representatives their thoughts & opinions on issues relating to Envirothon planning
 - And more...

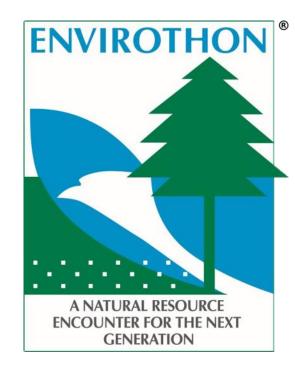


NCF-Envirothon Website

- www.envirothon.org
- See a broken link -> Report it to: <u>administration@envirothon.org</u>
- Please Note: As updates are completed, you may need to update your bookmarks or redirect links!



NCF-Envirothon Annual International Competitions



2022 NCF-Envirothon Ohio



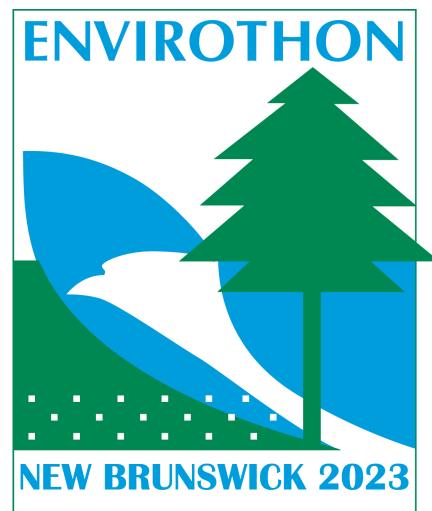


- July 24-30, 2022
- Hosted by the Ohio Federation of Soil and Water Conservation Districts
- 40 teams
- 50+ guests
- Visit <u>https://envirothon.org/the-competition/past-competitions/2022-Ohio/</u> to review the competition content, final scores, pictures, videos, and more.

Thank you to all Sponsors!



2023 NCF-Envirothon New Brunswick



- Mount Allison University
- Sackville, New Brunswick
- Hosted by Envirothon New Brunswick
- July 23 29, 2023
- Current Issue Topic:

"Adapting to a Changing Climate"

 Current Issue (Part A) Key Topic, Learning Objectives, and Study Resources posted to website at:

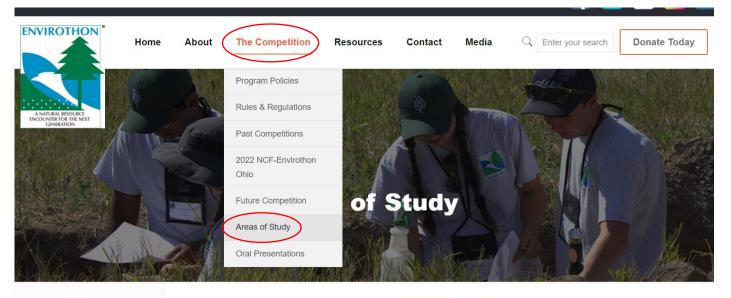
envirothon.org/the-competition/2023-study-resources/

NCF-Envirothon Educational Resources

NCF-Envirothon Learning Objectives

Where they can be found:

• The Competition -> Areas of Study -> click on image corresponding to the area you want to view



ompetition Links

- Program Policies
- Rules & Regulations
- Past Competitions

The NCF-Envirothon is an environmental and natural resource conservation competition that builds leadership experience for high school students (grades 9-12 or ages 14-19) across the United States, Canada and China, Incorporating STEM (Science

Areas of Study



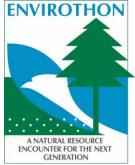


Wildlife

NCF-Envirothon Learning Objectives

View the Aquatic Ecology Learning Objectives below:

1 of 4	Q			+ +	
		ୢ	Rotate		
	approved 02/24/2021	* *	Fit to width		
	Aquatic Ecology Learning Objectives for the N	(:D	Page view		>
		A∥	Read aloud		
	From vast occans and tiny streams to irrigation systems and kitch aspect of our lives. This essential compound makes life on Earth I sustain this life, we must protect our water resources. Aquatic eco	\forall	Draw		>
	creatures that inhabit them. All water on Earth, whether it is flowi underground in an aquifer, is connected through the water cycle.	A	Highlight		>
	our water resources can have far reaching effects, and careful con making management decisions.	\Diamond	Erase		
		P	Draw with Touc	h	
	Just like the ecosystems we study, human society and culture are i- way that biodiversity makes ecosystems more resilient, these diffe and experience make us stronger as a global community. Every pe	Ō	Print	C	trl+P
	with the environment is important, and we must work together to are heard, including the historically marginalized and economical	8	Save	C	Ctrl+S
	you to seek out stories from your own communities – to discover theroes, to learn the histories that aren't typically taught in classroo environmental issues, and to explore what types of natural resource your local community, state/province, and nation.	ms, to	highlight local	l	n
	Students should be able to:				
	 Provide an informed opinion about current issues in water Think critically about solutions to current water quality and Work collaboratively in a team to synthesize and apply kno 	l wate	r resource issue		



Each Learning Objective pdf can be viewed, saved, printed



Students will study marine and freshwater ecology, learn how to assess the quality of delicate aquatic ecosystems, identify aquatic organisms, manage watersheds, mitigate the effects of non-point source pollution and more.

Areas of Study

Aquate Ecology

Oursel lasues

Solt and Land Use

· Fumility

Wable

earnino Obi

Each area of study is divided into several different key topics, which vary from subject to subject. Underneath these key topics, you will find relevant learning objectives applicable to that topic for the level of testing expected at the NCF-Envirothon annual international competition-level testing.

Please Note

View the Arguetic Ecology Lee

approved 62/24/2625

Competition Links

Program Prikawa

· Past Corpettions

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Regulations

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1) In an effort to make the Leantero Objectives as comprehensive as populate. The overall number of farms for each area of ability may be quite long it is important to note, that not every learning objective listed will be used for every competition. These Learning Objectives serve as an overview of the types of knowledge and skills expected of students al the internetional level of competition. Please refer to the subject area resources for this year's competition (hypothy posted in May of the competition year) for specific relevant lopics.

2) If you are a new Envirothen team or Advaor (whiches rever bained or compaled before), please check with your taciel State or Phylinche Envirothon Program representative before you begin issen Institute based on these Learning Dijectives. Your local program may have their own learning objectives that students are expected to know that differ from those listed below. Every learn that compelies at the NO+Envirolition annual international competition has to FIRST quality by wrining their local state, provincial or pariner ration Enviroliton corrections, as learn hairing alreadlocus on externation, resources and/or learning objectives developed for that competition-level

Aquatic Ecology Learning Objectives for the NCF-Envirothen

From vast occasts and tiny struarts to irrigation systems and kitchen sinks, water touches ever aspect of our lives. This essential compound makes life on Earth possible, and to continue to statiate this life, we must protect our water resources. Aquatic ecosystems are diverse, as are the crusterise that ishabit them. All water on Earth, whether it is flowing in a river or deep inderground in an applic, is connected through the water cycle. As a result, human impacts on our water resources can have the reaching effects, and carried consideration must be taken when making management decisions.

NCF-Envirotter

Just like the acosystams we study, human society and culture are incredebly diverse. In the same way that biodiversity makes acosystems more ausiliarit, these differences in human perspective and experience make as stronger as a global community. Forety person's shorty and relationship and experiment many instruments of the second secon

Students should be able to

- · Provide an informed original about current issues in water exality and water resources
- Think critically about solutions to current water quality and water resonance instant. Work collaboratively in a team to synthesize and apply knowledge.
- Make connections between the concepts in Aquatic Ecology and the subjects of Soils and Land Use, Forestry, Wildlife, and the Current Issue,

Students will be able to:

- Hydrospher 1. Describe the physical and chemical properties of water that affect aquatic ecosystems and
 - how they do not. Diagram the water cycle and describe such component in detail. Identify the global distributions of water (ultivater, freshwater, ice, et catera) Describe the major diffuences between freshwater and subvater ecosystems

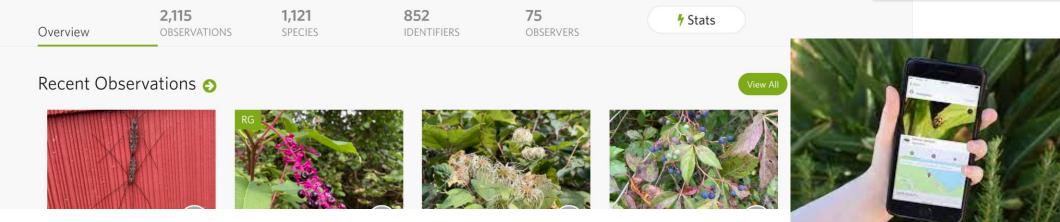
 - the characteristics of estuaries and explain the importance of brack

iNaturalist

• Web-based and Mobile App (Android and iOS)

Naturalist Q Explore Community More ~





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Version 3.2.1

Preview

What's New

Log In or Sig

iNaturalist Connect with Nature

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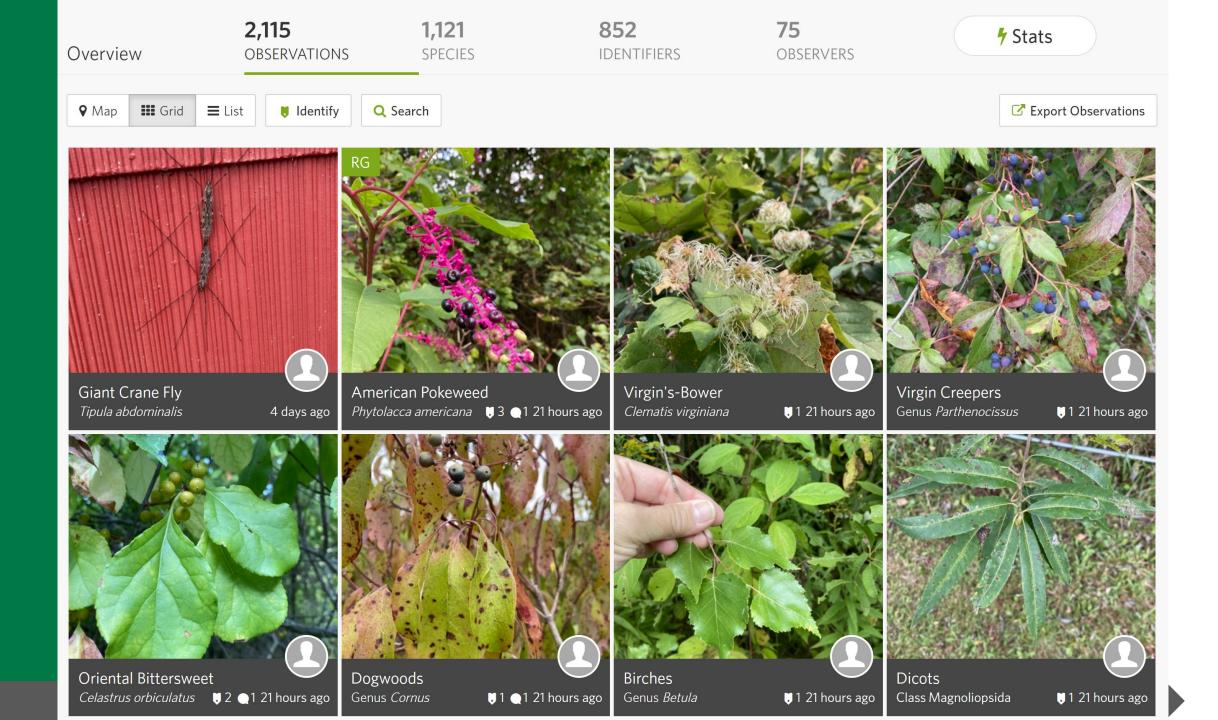
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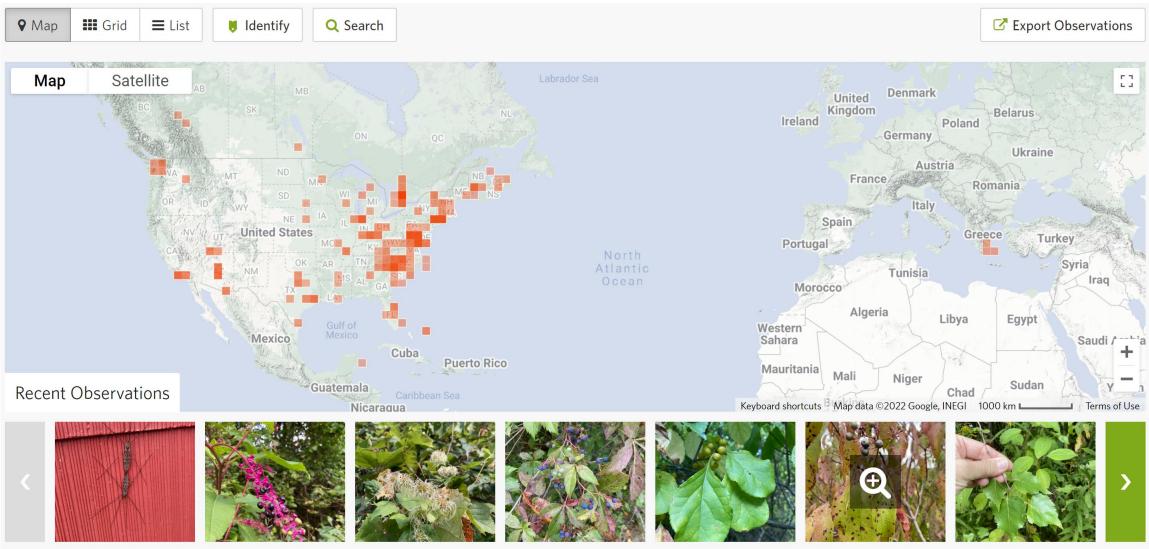
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Education



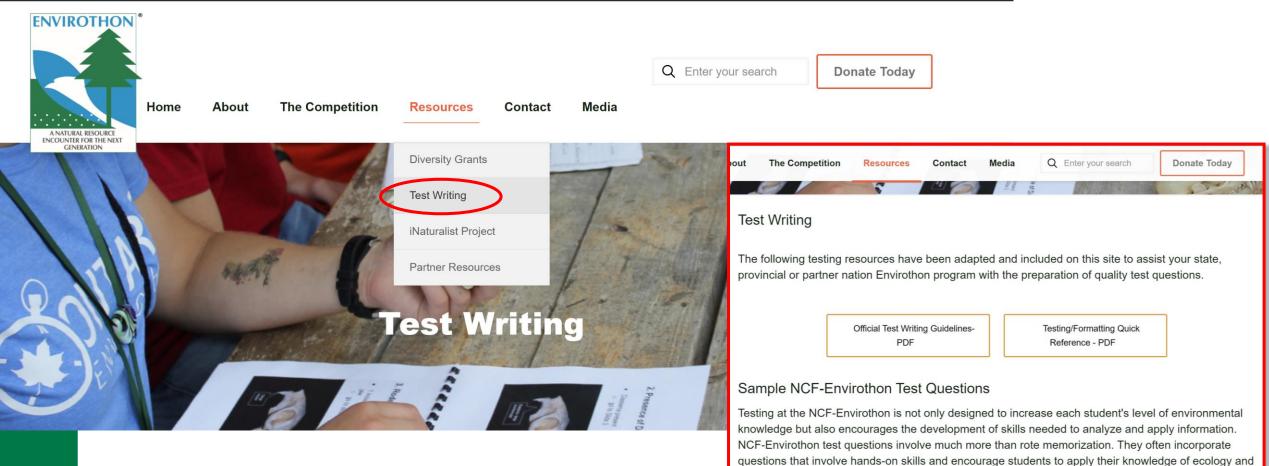
iNaturalist



Test Writina Resources

J (800) 825-5547 ⊠ info@envirothon.org





natural resource management to site-specific problems. The sample questions below are actual questions used in recent Envirothon competitions. While many

The sample questions below are actual questions used in recent Envirothon competitions. While many questions may be site-specific, the tests should provide you with a general indication of what to expect at the NCF-Envirothon.

Oral Presentation Resources

	∃ info@envi	rothon.org					f I	🧵 🖸 in	
ENVIROTHON ANATURAL RESOURCE ENCOUNTER FOR THE NEXT	Home	About	The Competition	Resources	Contact	Media	Q Enter your search	Donate Today	
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	3	6 6	Areas of Study	Prepare for App	k (richard				1
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GLUUI				AND NOT THE	-		•	6	

One of the best ways to prepare for a competition is to increase your understanding of the judging criteria. The judging sheets below are used at the NCF-Envirothon to score each team's performance. You may use them as a guide to prepare for the NCF-Envirothon or as a reference for creating judging resources for your local/regional or state/provincial Envirothon.

Judges' Score Sheet

Diversity Enhancement and Underserved Audience Grant program

- 2023 Request for Proposals
 - Opens very soon!
 - More information to follow in early October 2022





Diversity Enhancement and Underserved Audience Grant program

- Intended to provide additional support and financial resources to recipients with the goals of:
 - Increasing diversity, equity, and inclusion within local state and provincial Envirothon programs
 - Improving access to hands-on, outdoor natural resource education opportunities
 - Encouraging education exploration
 - Educating young adults on the importance of conservation

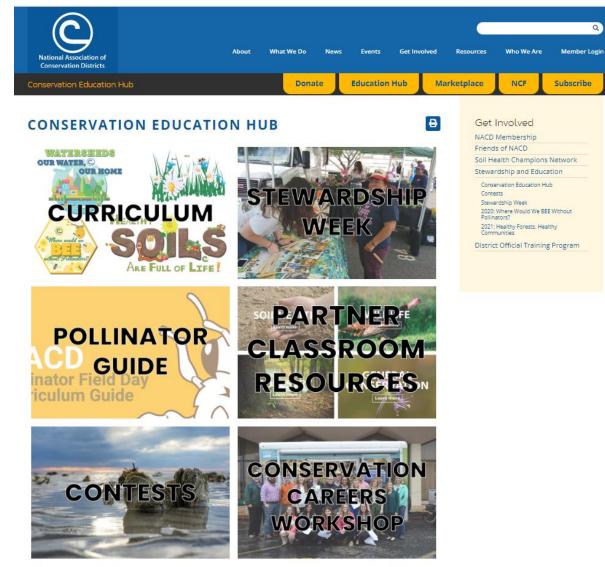
- Possible Projects:
 - Participation Projects
 - Outreach and Engagement Projects
 - Cultural Inclusion Projects
 - Environmental Literacy and Experiential Learning Projects
 - Accessibility Projects



Partnership Resources for Envirothon Programs

National Association of Conservation Districts

Please visit
 <u>www.nacdnet.org/conservat</u>
 <u>ion-education-hub/</u> for
 educational resources for all
 ages and grade levels



Open Forum – Q&A

Representatives Survey

Envirothon Programming Questionnaire

1. How long have you been a state/provincial Representative (or Alternative) (Single
Choice) *
less than a year
1-3 years
4-6 years
7-10 years
10+ years

3. How many people serve on your program's steering committee? (Single Choice) *

- 1-5 members
- 6-10 members
- 11-15 members
- 15+ members

4. How is your Envirothon program funded? (Single Choice) *

- Fully funded via government (legislation) funds
- Funded by a combination of government funds & yearly sponsors/grants
- Fully funded by sponsors/grants/donations
- none of the above

2. What does your Envirothon program's staffing look like? (Single Choice) *

- Multiple fulltime employees dedicated to the program
- Program manager solely dedicated to the program (100% of job duties)
- Program manager partly dedicated to the program (25% or less of job duties)
- Program coordinated and managed by volunteers

Representatives Survey

5. How many levels of Envirothon competitions are held in your state/province? (Single	
Choice) *	

- Ocunty, regional, and state/provincial level competitions
- Regional and state/provincial level competitions
- Only state/provincial level competition

6.	Does your state/provinc	e Envirothon p	rogram offer a	middle school o	competition? (Single

Choice) *

Yes

🕖 No

7. When drafting your state/provincial Envirothon competition tests, do you: (Single Choice) *

- Generate completely new tests each year (from scratch)
- \bigcirc Pick and choose test questions from a test bank that reuses questions year to year
- Use the same or very similar tests each year (only changing a few questions for example)

8. In a typical year, you can expect how many teams at your state/provincial Envirothon competition? (Single Choice) *

less than 10

10-20 teams

21-50 teams

- 51-100 teams
- 100+ teams

9. How many days does your Envirothon competition last? (Single Choice) *

🔵 1 day

2 days

3+ days

Representatives Survey – Results from 34 participants

- Question 1: How long have you been a state/provincial Representative (or Alternative)
 - less than a year 24%
 - 1-3 years 24%
 - 4-6 years 18%
 - 7-10 years 18%
 - 10+ years 18%
- Question 2: What does your Envirothon program's staffing look like?
 - Multiple fulltime employees dedicated to the program - 15%
 - Program manager solely dedicated to the program (100% of job duties) - 12%
 - Program manager partly dedicated to the program (25% or less of job duties) 41%
 - Program coordinated and managed by volunteers 32%

- Question 3: How many people serve on your program's steering committee?
 - 1-5 members 21%
 - 6-10 members 44%
 - 11-15 members 26%
 - 15+ members 9%
- Question 4: How is your Envirothon program funded?
 - Fully funded via government (legislation) funds 0%
 - Funded by a combination of government funds & yearly sponsors/grants - 47%
 - Fully funded by sponsors/grants/donations 53%
 - none of the above 0%
- Question 5: How many levels of Envirothon competitions are held in your state/province?
 - County, regional, and state/provincial level competitions
 12%
 - Regional and state/provincial level competitions 24%
 - Only state/provincial level competition 65%

Representatives Survey – Results from 34 participants

- Question 6: Does your state/province Envirothon program offer a middle school competition?
 - Yes 12%
 - No 88%
- Question 7: When drafting your state/provincial Envirothon competition tests, do you:
 - Generate completely new tests each year (from scratch) - 41%
 - Pick and choose test questions from a test bank that reuses questions year to year - 26%
 - Use the same or very similar tests each year (only changing a few questions for example) - 32%

- Question 8: Question 8: In a typical year, you can expect how many teams at your state/provincial Envirothon competition?
 - less than 10 29%
 - 10-20 teams 44%
 - 21-50 teams 21%
 - 51-100 teams 6%
 - 100+ teams 0%
- Question 9: How many days does your Envirothon competition last?
 - 1 day 50%
 - 2 days 38%
 - 3+ days 12%

Round Table Discussion – 7/28/22

- During the 2022 NCF-Envirothon Ohio competition, the state/provincial Envirothon Representatives present participated in a Round Table discussion on several topics:
 - Educational Resources
 - Additional tools/resources for programs
 - Outreach/Growth
 - FFA and Envirothon
 - Barriers for Teams to attend
 - Multi-day Events
 - Electronic presentations
 - Incentives for students/teachers to attend
 - Online GIS access
 - State shirt designs

2022 NCFE State Rep Round Table

7/29/22

Educational Resources

- New York Uses educational resources from NCFE for state program NY changes it up to make it relevant to NY
- several state resources stay similar from year to year on the core topics but adopt current topic information. Post-state competition provide NCFE resources to winner
- New Brunswick has lesson plans and activities that line materials up to standards to justify materials in the classroom (helped with growth)

Additional tools/resources for programs

- training trunks (provide to schools, provide directly to the teacher, provide to district)
- Facebook page with all training sessions recorded via Zoom back to 2017 (Rhode Island)
- Kahoot account with training resources (practice testing platform, trivia)
- Connecticut digital scavenger hunt using Goosechase
- Coaches Training

Outreach/Growth

- Motivate enthusiasm.
- NY advisors who retire have successional plan to train another advisor in the program
- go out and meet with superintendents, science departments, local schools,
- stress it doesn't have to be a school employee
- Delaware has been working with FFA helps grow team numbers, some conflicts but work within your program.

FFA and Envirothon

- FFA coaches are already primed to travel with students
- different pathways that are related to Envirothon topics
- Delaware, Montana, North Carolina, South Carolina, Alabama all work with FFA
- Communication between National FFA and NCFE trying to get more partnership between programs on national level
- Offer to have a member on the state committee

Barriers for teams to attend

- Other school activity conflict
 - have the program at the beginning of the week (other organization events, spring break, prom),
 - Miss school for a school day (try to use virtual resources), put events on professional development days so not missing school

Multi day events

• PROS - camp vibe, long drives, OP prep and training; trainings during first days, testing, OP prep and presentations last days (or opposite);

Electronic presentations

 About half programs present used computers - dilemma (no electricity), some collected presentations prior, some day-of, some give resources about scenario, some do not. Have strict guidelines -

Incentives for students/teachers to attend

- Stipends for teacher and school for coming to teacher training and competition funded through grants (13 schools)
- districts pay for teams to come to event
- apply for diversity grant to sponsor new teams to get there and their registration fees,
- teachers receive continuing education credits (teachers go on training while kids are competing - typically on topic for next year)

Online GIS access - states provide schools online access to GIS to learn about this. Esri provides this free to all K-12 educational programs - up to 10,000 people - (Should NCFE house this - at least put on website as a potential resources)

State shirt designs

- student run design competition
- DNR graphic designer gives a shirt design incorporating current topic
- Stays the same each year

Round Table Discussion - Today

(See next page)

Question on how to engage teams:

Wisconsin: started a middle school competition, gained new teams that flow into the high school level. Hit by COVID, in 2021 put together a database of schools across the state, sent out copies of exams to schools AFTER state competition so that all schools could see what a competition looks like – it was very well received. unfortunately, didn't have a lot of participation in 2022, but will continue the outreach with the schools in the database to try to grow numbers

South Carolina: gained several new teams in 2021 b/c it was virtual, but did not see them at the inperson competition in 2022

Ontario: online in 2022, got a lot of volunteers who were able to proctor online and engaged for 2022

What incentives do you give to teachers/students:

NH: gives Honor cords at event as well as "charms" depending on their years of participation of a student – they can wear the honor cords and charms during graduation

CA: webinar series (panel of experts speak to advisors), offers scholarship to winning team attending NCFE

WV: Teachers workshop for teachers, advisors and (new this year) a few students – about 40 this year – if teachers come to workshop & Envirothon they can get a stipends

Unique Volunteers and/or Sponsors/Funding Opportunities:

CA: Main resource for volunteers is state NRCS; offers different sponsorship tiers; has strong partnership with Unv of CA, College of Ag = Envirothon & Unv mission statements closely align

Ontario: newsletter spotlights, sharing sponsor resources if they give a certain amount, etc.

Universities and Colleges are great for sponsorships (in kind & \$) & volunteers

MO: University provided scholarships to 1st place team if they were to that school, also give "patches and pins" to students for participation in competitions

Mass: having hard time recruiting volunteers on the steering committee that can fundraise due to government regulations

Question on minimum Score Requirement for teams to advance to NCFE level of competition? (Several years ago, Louisiana set a mini-test score restriction due to low test scores)

CA: does targeted trainings to help the teams

Mark Hedge: the first year the New Mexico team placed 48 out of 50, but after a few years of experience they now score in the top – would encourage anyone to send a team for the experience it offers.

SC: maybe cost share the registration/travel cost with the winning team

2022 State/Provincial Envirothon Program Survey

• Winners:

- Wayne McKeever, West Virginia
- Courtney Curenton-Baker, Alabama



Links from Today

- NCF-Envirothon Website
- <u>State/Provincial Envirothon Programs</u>
- <u>2022 NCF-Envirothon Ohio Competition</u> Scores, Recordings, Photos, and other Information
- 2023 Current Issue Topic and Resources
- <u>NCF-Envirothon Learning Objectives</u>
- <u>NCF-Envirothon iNaturalist Project</u>
 <u>Instructions and Activities</u>

- Direct Link to <u>NCF-Envirothon Project on</u> <u>iNaturalist</u>
- <u>Test Writing Resources and Practice NCF-</u> <u>Envirothon Tests</u>
- Oral Presentation Resources
- <u>Diversity Grants</u> (more information for this year's application coming soon)
- <u>NACD Conservation Education Hub</u>

Contact

Staff

Jennifer Brooks NCF-Envirothon Program Manager 1-800-825-5547 x 2 jbrooks@envirothon.org Stephanie Tolar NCF-Envirothon Education Specialist 1-800-825-5547 x 4 <u>stolar@envirothon.org</u>

National Conservation Foundation (NCF) - Envirothon 509 Capitol Court, N.E. Washington, D.C. 20002 1-800-825-5547 www.envirothon.org administration@envirothon.org

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