

PROJECT SUMMARY SHEET

Project Title: North Dakota Envirothon

Project Sponsor: Sheyenne James RC&D Council, Inc.

Address: 110 Winter Show Road
Valley City, ND 58072

Phone: 701-845-3114, Ext. 3

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Website: www.ndenvirothon.org

State Contact: Greg Sandness

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Watershed: Statewide

PROJECT TYPES		WATERBODY TYPES		NPS CATEGORY	
<input type="checkbox"/>	STAFFING & SUPPORT	<input type="checkbox"/>	GROUNDWATER	<input type="checkbox"/>	AGRICULTURE
<input type="checkbox"/>	WATERSHED	<input type="checkbox"/>	LAKES/RESERVOIRS	<input type="checkbox"/>	URBAN RUNOFF
<input checked="" type="checkbox"/>	I&E	<input type="checkbox"/>	STREAMS	<input type="checkbox"/>	CONSTRUCTION
<input type="checkbox"/>	OTHER	<input type="checkbox"/>	WETLANDS	<input type="checkbox"/>	RESOURCE EXTRACTION
		<input type="checkbox"/>	OTHER	<input type="checkbox"/>	STOWAGE/LAND DISPOSAL
				<input type="checkbox"/>	HYDRO MODIFICATION
				<input type="checkbox"/>	OTHER

PROJECT LOCATION: LATITUDE MIN. N/A

LONGITUDE MIN. N/A

SUMMARIZATION OF MAJOR GOALS:

The goal of the North Dakota Envirothon project is to strengthen participants' problem solving skills by providing an opportunity for students in grades 9-12 to gain knowledge using science-based information. They are then able to make wise decisions concerning water and its relationship to other natural resources.

PROJECT DESCRIPTION:

The North Dakota Envirothon is a hands-on problem-solving natural resource competition for high school students. Teams are generally associated with a sponsoring school, and usually train the entire school year with their advisor or "coach" in preparation for the annual state-wide competition. Study resources in the fields of soils, aquatics, wildlife, prairie (forestry and rangeland) and a current environmental issue are assembled by natural resource professionals and provided to the teams. In late spring, each team has the option to select five members and one alternate to compete at the North Dakota State Envirothon Competition.

FY 18 319 funds requested:	\$165,000
Match (Cash)	\$30,000
Match (In-kind)	\$80,000
Total project cost	\$275,000

In 1988 the program became known as the Envirothon. That same year teams from Pennsylvania, Ohio and Massachusetts competed in the first "National Envirothon" and in 1992 a Canadian team participated for the first time, and later became the "NCF-Envirothon." In 2014 the Envirothon program moved to the National Conservation Foundation, which will provide leadership for a new vision including aiming for a global program by 2030.

The mission of the NCF-Envirothon is to develop knowledgeable skilled and dedicated citizens who have an understanding of natural resources and are willing and prepared to work towards achieving and maintaining a balance between the quality of life and the quality of the environment.

The Envirothon mission is accomplished by developing in young people an understanding of the principles and practices of natural resource management and how ecology works then applying those practices and principles while dealing with complex resource management decisions.

The North Dakota Envirothon serves as a “feeder” program for the North American Envirothon Program; as the winners of the State competition go on to compete at the North American Envirothon Competition.

2.2 The North Dakota Envirothon has held annual competitions since 2000. Over the 18-year time period, 317 teams or 1,585 students have competed. The project currently involves a regional competition in the northwestern part of North Dakota (Mouse River Loop) and another regional competition is being developed in central North Dakota (Lewis and Clark Envirothon). The Lewis and Clark Envirothon held a “Train the Teacher” event in the fall of 2017 as a precursor to the Regional Envirothon, which will be held in the fall of 2018. Currently there are 93 teachers on the e-mail list, which receive updates on the educational material provided by North Dakota Envirothon. Appendix A illustrates the broad reach of North Dakota Envirothon as an extra-curricular activity across the state. In addition, teachers are also using the Envirothon teaching materials in their classrooms so this makes it impossible to even estimate the number of students who have benefited from the program. We do know that 55 past participants in the North Dakota Envirothon have gone on to environmental science careers. Please see Appendix B for the time and event schedule of the most recent North Dakota Envirothon Competition.

A set of resource materials for each discipline is developed annually and distributed to educators and teams via the North Dakota Envirothon Website **ndenvirothon.org**. Study resources in the fields of soils, aquatics, wildlife, prairie (forestry and rangeland) and a current environmental issue are assembled by natural resource professionals and provided to the teams. In late spring, each team has the option to select five members and one alternate to compete at the North Dakota State Envirothon Competition. Please visit **ndenvirothon.org** for a complete listing of the current resource materials.

More important than environmental careers is the fact that these students have all been taught about the importance of water quality in their daily lives. The students are now scattered across the country where they are able to utilize their knowledge in their communities. Everything they have learned at Envirothon – from the principles of water quality to the communication skills necessary to lead their communities – can be applied. It is necessary that this education continue to assure a more knowledgeable public.

3.0 PROJECT DESCRIPTION

3.1 Project Goals

The goal of the North Dakota Envirothon program is to promote a desire to learn more about North Dakota’s natural environment and to equip students with the knowledge and skills needed to apply the basic principles and practices of resource management and ecology to complex environmental issues. The envirothon program brings together natural resource professionals from around the state to inform students and advisors through many avenues including social media (ND Envirothon Facebook Page), the website (www.ndenvirothon.org) which provides natural resource materials for advisors and students, advisor trainings (education for educators), and annual competitions to provide rural and urban students an opportunity to interact and be tested on their knowledge of natural resources (Water, Plants, Soil, Wildlife). The combination of regional and state envirothon events and all the resources being provided to educators, local communities will be able to make informed decisions related to North Dakota’s natural resources.

3.2 Project Objectives

Objective 1 Develop, maintain, promote, and grow the North Dakota Envirothon program.

Task 1: Contract with a coordinator to develop, promote and implement the North Dakota Envirothon Program. Coordinator will be secured as a contracted services provider to Sheyenne James RC&D Council. Coordinator will be responsible for all office supplies, office space, postage, in-state travel expenses, and related self-employment taxes. Activities will include distribution of study materials to participating schools, traveling to locations to promote North Dakota Envirothon, soliciting donations, volunteer

participation to support the program, coordinating and serving as a member of the North Dakota Envirothon Committee, maintaining the official North Dakota Envirothon website, increasing the programs social media presence, and other duties as required to result in a successful North Dakota Envirothon program.

Product 1: Coordinator contract secured, duties performed to develop, promote, and implement ND Envirothon program.

Cost 1: \$36,000 annually (\$108,000 total for three years)

Milestone 1: July 1, 2018 through June 30, 2021 (Monthly invoice provided by contracted coordinator for services)

Task 2: Increase participation in the ND Envirothon program.

Product 2: Increased participation by two new schools or programs per year. (total of six new programs)

Cost 2: Included in coordinator contract. (Product 1)

Milestone 2: May 2019 / May 2020 / May 2021

Task 3: Receive local support for ND Envirothon competition.

Product 3: Local support through cash donations received by North Dakota Envirothon. (\$10,000 annually)

Cost 3: Included in coordinator contract. (Product 1)

Milestone 3: May 2019 / May 2020 / May 2021

Task 4: Maintain the North Dakota Envirothon website.

Product 4: Maintain the North Dakota Envirothon website as a user friendly platform (www.ndenvirothon.org) Website will identify the objectives of the North Dakota Envirothon Program, acknowledge the contributions from supporters, provide information about the program and competition, encourage participation at all levels (students, teachers, coaches, professionals, volunteers).

Cost 4: URL: \$200 annually or \$600 for three years, Coordinator will maintain and update website (Product 1)

Milestone 4: July 1, 2018 through June 30, 2021 (Ongoing updates to website and yearly renewal)

Task 5: Maintain financial records and submit reports as required.

Product 5: Contract with bookkeeper to maintain financial records of North Dakota Envirothon and submit required reports.

Cost 5: \$2,400 annually, \$7,200 for three years

Milestone 5: July 1, 2018 through June 30, 2021 (Ongoing updates to financial records and report submissions.

Task 6: Create and maintain "ND Envirothon" social media page.

Product 6: Creation of a social media account to reach the public. Social media outreach will increase the online presence of the North Dakota Envirothon program and raise awareness of the value our natural resources provide every day. This will also be used as a tool for students to share their Envirothon experience online with other students.

Cost 6: Included in coordinator contract. (Product 1); \$0

Milestone: July 1, 2018 through June 30, 2021 (Ongoing updates to social media)

Objective 2: Stimulate interest in natural resources that will result in a life-long desire to make wise decisions and strengthen complex problem-solving skills particularly regarding water quality and pollution control. Connect students and educators with current and former natural resource professionals to create a tangible connection between classroom study of natural resources and real-life professionals and personal situations. Provide current information on natural resource management to youth in grades 9-12.

Task 7: Study materials updated and distributed to teams.

Product 7: Coordinator and North Dakota Envirothon Committee technical teams assemble resource study materials to provide to teams. Updated study materials distributed to participating schools.

Cost 7: \$700 annually, \$2,100 total cost for three years (provide assembled resources to participating schools, print tests, and provide current issue packets to teams at competition)

Milestone 7: September 2018, September 2019, and September 2020

Task 8: Provide awards.

Product 8: Provide a \$500 award to each member of the ND Envirothon winning team.

Cost 8: \$0 to 319 program; \$2,500 annually or \$7,500 total for three years to winning teams, provided by ND Envirothon and local partners

Milestone 8: May 2018, May 2019, May 2020

Task 9: Volunteers work with teams to connect professionals, educators, and students.

Product 9: Members of the North Dakota Envirothon Committee and associated technical groups volunteer to work one-on-one with teams throughout the school year as requested. A wide variety of professionals volunteer their time to work as teachers, facilitators, trail guides, and judges at state and regional competitions.

Cost 9: \$0 to 319 program; Cost is covered through in-kind service of various professionals.

Milestone 9: July 1, 2018 through June 30, 2021 (Ongoing)

Task 10: Trail tests and current issue revealed at annual competition.

Product 10: North Dakota Envirothon Committee technical teams create trail test and current issue questions that offer a hands-on test of the student's understanding of natural resources and ability to problem-solve at the State Competition.

Cost 10: \$0 to 319 program: This cost is covered through in-kind service of various professionals.

Milestone 10: May 2019, May 2020, May 2021

Task 11: Annual coach/advisor workshop.

Product 11: Host one coach's workshop per year to distribute and discuss resource materials, and connect educators to natural resource professionals.

Cost: \$0 to 319 program; This cost is covered through in-kind service of various professionals.

Milestone: May 2019, May 2020, May 2021

Objective 3: Host annual North Dakota State Envirothon Competition. Grow the state competition to maximum site capacity. Host up to 25 five-member teams and associated coaches and volunteers. The winning team will attend the NCF- Envirothon Competition.

Task 12: Annual state North Dakota Envirothon Competition.

Product 12: Host an annual state North Dakota Envirothon Competition. Costs include site rental and equipment necessary to conduct testing.

Cost 12: \$13,033 in 2019, \$14,033 in 2020, \$14,034 in 2021; \$41,100 total*
- Annual price reflects increased number of teams participating as per (Product 14)

Milestone 12: 2019, 2020, 2021 (One per year)

Task 13: Winning ND team receives financial support through payment of registration fee.

Product 13: Provide support to winning North Dakota Envirothon team to attend the annual "NCF – Envirothon" competition.

Cost 13: \$2,000 each year for three years to pay the registration fee for the North American Envirothon Competition, \$6,000 total.

Milestone: 2019, 2020, 2021

Task 14: Increase or maintain a number of 25 teams attending the State Competition.

Product: New school attending the State North Dakota Envirothon competition each year.

Cost 12: Included in the cost of hosting annual competition, (Product 12)

Milestone: May 2019, May 2020, May 2021

Task 15: New regional competition.

Product 15: Increase the number of Regional Envirothon Competitions to three. (Currently there is one established "Mouse River Loop Envirothon" and one has begun fundraising "Lewis and Clark Envirothon" to hold a fall competition starting in 2018)

Cost: Included in coordinator contract. (Product 1)

Milestone: September 2020

See attached milestone table (Appendix C)

COORDINATION PLAN

The North Dakota Envirothon is a project of the Sheyenne James Resource Conservation & Development Council, Inc. and is advised by the North Dakota Envirothon Committee.

4.0 The Sheyenne James Resource Conservation & Development Council, Inc. ("Sheyenne James RC&D Council") was organized to accelerate the conservation, development, and utilization of natural resources exclusively for charitable, educational, and scientific purposes, under section 501(c)(3) of the Internal Revenue Code. The mission of the Sheyenne James RC&D Council is to provide assistance to local leadership resulting in a desirable quality of life for area residents and envisions a productive area in harmony with the environment, supporting the quality of life desired by the area residents. The council is made up of members from Wells, Foster, Griggs, Barnes, Stutsman, Logan, McIntosh, LaMoure, and Dickey Counties.

4.1 The Sheyenne James RC&D Council contracts with the North Dakota Envirothon Coordinator and has formed the North Dakota Envirothon Committee (NDEC), whose core objectives are:

1. Develop, maintain, promote and grow the North Dakota Envirothon program;
2. Connect student and educators with current and former natural resource professionals to create a tangible connection between classroom study of natural resources and real-life professional and personal situations;
3. Host annual North Dakota State Envirothon Competition.

The NDEC is also working towards establishing the program to be a stand-alone fiscal entity, as the Sheyenne James RC&D Council currently is the fiscal agent. NDEC is in the final stages of the 501C3 application process and preparing to submit all documents to the IRS.

The NDEC is made up of fourteen (14) members:

- Two members who are experts in, working in, or retired from, a field of Soil Science;
- Two members who are experts in, working in, or retired from, a field of Aquatic Science;
- Two members who are experts in, working in, or retired from, a field of Wildlife Science;
- Two members who are experts in, working in, or retired from, a field of Prairie (Forestry & Rangeland Science)
- Two members representing ND Soil Conservation Districts;
- One member who is also the North Dakota Envirothon Coordinator;
- One member representing the Sheyenne James RC&D Council, Inc.;
- Two members representing environmental advocacy, conservation, education or citizen groups.

From among the members, officers are elected to serve:

- One Chairperson, who shall be responsible for developing meeting agendas in cooperation with the North Dakota Envirothon Coordinator, announcing meetings, maintaining the NDEC membership list and contact information, and ensuring that all Technical Committee deliverables are on time, appropriate and consistent;
- One Secretary, who shall keep the official minutes of the NDEC, maintain records of attendance at all meetings, and safeguard all documents.
- One Treasurer, who, in cooperation and subject to the direction of the Sheyenne James RC&D Council as Fiscal Agent, will receive and disburse funds, maintain current account balances, and report regularly to the NDEC on financial matters.
- One Soils Coordinator, who shall be responsible for coordinating the Soils Technical Committee which will be made up of professionals in the field, will provide appropriate resources and study material to Teams, and develop the Soils Trail Test.
- One Aquatics Coordinator, who shall be responsible for coordinating the Aquatics Technical Committee, which will be made up of professionals in the field, will provide appropriate resources and study material to teams, and develop the Aquatics Trail Test.
- One Wildlife Coordinator, who shall be responsible for coordinating the Wildlife Technical Committee which

will be made up of professionals in the field, will provide appropriate resources and study material to teams, and develop the Wildlife Trail Test.

- One Prairie (Forestry & Rangeland) Coordinator, who shall be responsible for coordinating the Prairie Technical Committee, which will be made up of professionals in their various fields, will provide appropriate resources and material to teams, and develop the Prairie Trail test.
- One Current Issue Coordinator, who shall be responsible for assembling a Technical Committee appropriate to the Current Issue who will provide appropriate resources and study material to teams, and develop the Current Issue Presentation and Current Issue Competition Question.

4.2 A diverse group of organizations have provided, and continue to provide, technical and financial support for the North Dakota Envirothon. These organizations include:

American General Contractors	NDSU Extension
Bank Forward	ND Game and Fish Department
Barnes County SCD	ND Department of Health
Barnes County Wildlife Federation	ND Forest Service
Basin Electric	ND State Water Commission
Border States Trophy	Pheasants Forever
Burleigh County SCD	Prairie Waters Education and Research Center
Cass County SCD	Rutland Sportsman's Club
Coaches Choice	Sargent County Pheasants Forever
Ducks Unlimited	Sheyenne James RC&D
Emmons County SCD	Stutsman County SCD
Great River Energy	Turtle Lake Wildlife Club
James River Valley Pheasants Forever	US Army Corps of Engineers
K2S Engineering, Inc.	USDA-Natural Resources Conservation Service
Macholda Farms	US Environmental Protection Agency
Mouse River Loop Envirothon	US Fish and Wildlife Service
ND Association of Soil Conservation Districts	US Forest Service
ND Association of Soil Conservation Districts Auxiliary	
ND Employees Association of Soil Conservation Districts	
North Dakota Natural Resources Trust	
NDSU Department of Natural Resource Studies	

5.0 EVALUATION AND MONITORING PLAN

Two mechanisms are used to evaluate and monitor the program. The general evaluation is a one page form which covers the different components of the competition to further improve the program. The students, volunteers, guests and agency representatives complete this survey.

The second evaluation is completed by the team advisor/coaches. This survey is more detailed and provides the advisors an opportunity to give feedback and recommendations to the North Dakota Envirothon Committee to improve the program.

The comments from these evaluations are reviewed by the NDEC, which then makes improvements for the next competition. In addition, the technical committees meet regularly throughout the year to review, revise and update the resource materials to better enhance the North Dakota Envirothon learning process.

Sample evaluations are included in Appendix D.

6.0 BUDGET

6.1 See attached tables. (Appendices E and F)

7.0 PUBLIC INVOLVEMENT

Public involvement is an essential component of the North Dakota Envirothon Program. One of the core objectives of the North Dakota Envirothon Committee is to connect students and educators with current and former natural resource professionals to create a tangible connection between classroom study of natural resources and real-life professional and personal situations. Over 40 volunteers from across the state (natural resource professionals and laypersons), come together to facilitate the annual state competition and serve as trail guides, timers, and judges.

North Dakota's Soil Conservation Districts (SCDs) work with the teams by providing materials, financial and technical support. Barnes, Stutsman, and Cass County Soil Conservation Districts have financially supported this program since its inception.

The North Dakota Envirothon encourages the public, sponsors, parents, and guests to attend the State Envirothon Competition. News articles, videos, magazine articles, brochures and scheduled meetings share the Envirothon story.

Appendix Summary

Appendix A: North Dakota Envirothon Program Outreach Map

Appendix B: 2017 North Dakota Envirothon Competition Schedule

Appendix C: Milestone Table

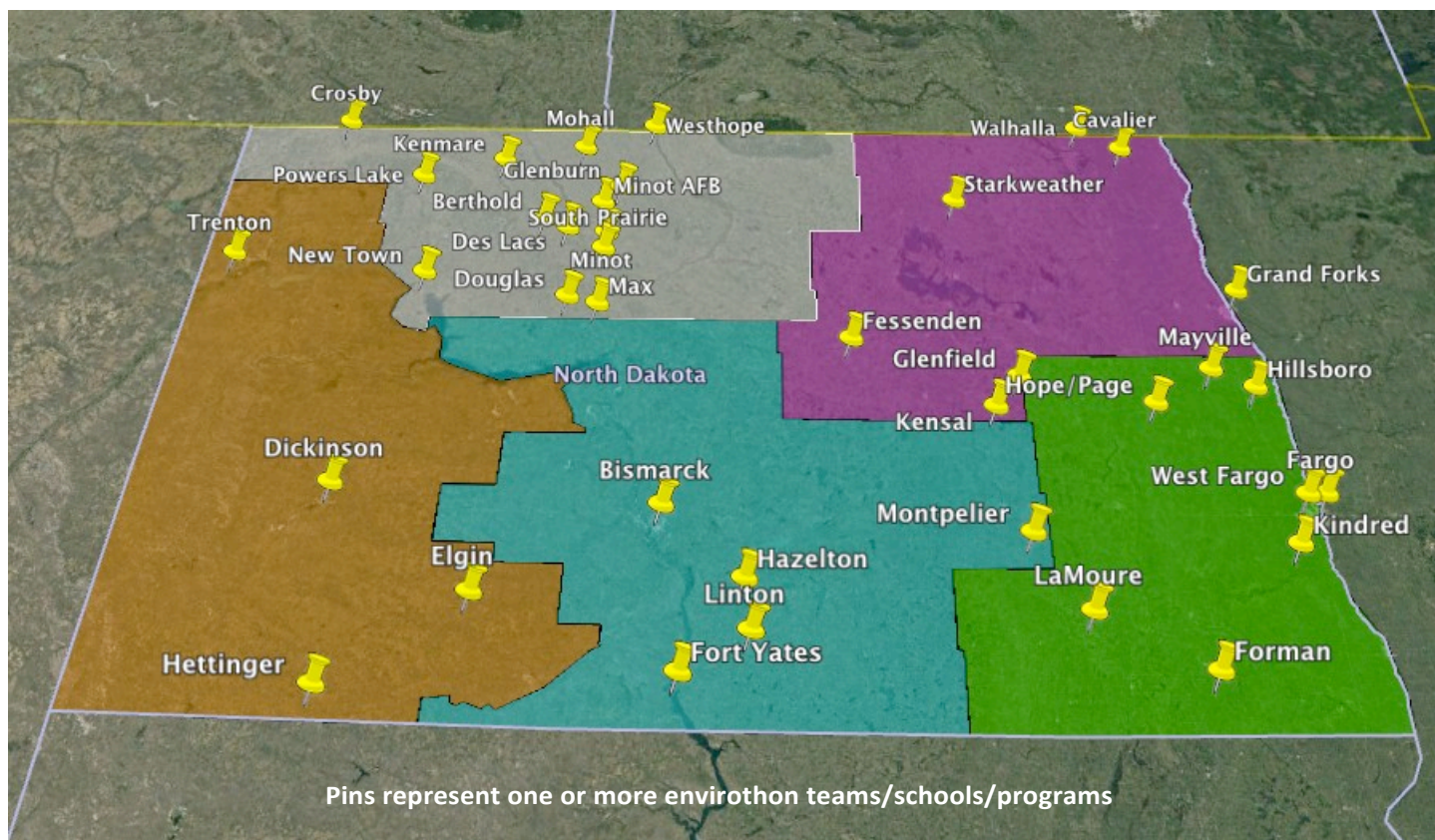
Appendix D1: 2017 Team, Volunteer, and Guest Evaluation

Appendix D2: 2017 Advisor Evaluation

Appendix E: Funding Sources

Appendix F: Detailed Budget

Appendix A- North Dakota Envirothon Program Outreach Map



SCD Region	Regional Envirothon Program Name
SCD Region 1	-
SCD Region 2	-
SCD Region 3	Mouse River Loop Envirothon
SCD Region 4	Lewis and Clark Envirothon
SCD Region 5	-

Appendix B- 2017 North Dakota Envirothon Competition Schedule

2017 North Dakota Envirothon Comprehensive Schedule

Wednesday May 10

5:00 p.m. Registration
 6:30 p.m. Evening meal
 7:00 p.m. Tools Training with Natural Resource Professionals
 8:00 p.m. Ice Breaker, Socialize while waiting for teams to arrive - Dining Hall
 10:30 p.m. Adjourn to assigned dorms

Thursday May 11

7:30 a.m. Breakfast – Dining Hall
 8:00 a.m. Welcome (Dane), Tool/Equipment Briefing (Committee members),
 Rules Overview and Trail Guide Team Assignments (Fred)
 9:00 a.m. Trail Test ([Advisors Workshop - Wildlife 1st floor boys dorm](#))

Sakakawea Trail		Lewis and Clark Trail	
Stop # 1	Team # 1	Stop # 1	Team # 13
Stop # 2	Team # 2	Stop # 2	Team # 14
Stop # 3	Team # 3	Stop # 3	Team # 15
Stop # 4	Team # 4	Stop # 4	Team # 16
Stop # 5	Team # 5	Stop # 5	Team # 17
Stop # 6	Team # 6	Stop # 6	Team # 18
Stop # 7	Team # 7	Stop # 7	Team # 19
Stop # 8	Team # 8	Stop # 8	Team # 20
Stop # 9	Team # 9	Stop # 9	Team # 21A
Stop # 10	Team # 10	Stop # 10	Team # 22A
Stop # 11	Team # 11	Stop # 11	Team # 23M
Stop # 12		Stop # 12	
Stop # 13	Team # 12	Stop # 13	Team # 24M
Stop # 14		Stop # 14	

10:00 a.m. Teams and Trail Guides (snacks for teams sent with Trail Guide) ([Advisors - Dining Hall](#))
 10:30 a.m. ([Advisors Workshop - Envirothon Coordinator, 1st floor boys dorm](#))

11:20 a.m. First Trail Test Ends, teams relax until lunch.

12:00 p.m. Lunch

1:00 p.m. Trail Test

Sakakawea Trail		Lewis and Clark Trail	
Stop # 1	Team # 13	Stop # 1	Team # 1
Stop # 2	Team # 14	Stop # 2	Team # 2
Stop # 3	Team # 15	Stop # 3	Team # 3
Stop # 4	Team # 16	Stop # 4	Team # 4
Stop # 5	Team # 17	Stop # 5	Team # 5
Stop # 6	Team # 18	Stop # 6	Team # 6
Stop # 7	Team #19	Stop # 7	Team # 7
Stop # 8	Team #20	Stop # 8	Team # 8
Stop # 9	Team # 21A	Stop # 9	Team # 9
Stop # 10	Team # 22A	Stop # 10	Team # 10
Stop # 11	Team #23M	Stop # 11	Team # 11
Stop # 12		Stop # 12	
Stop # 13	Team #24M	Stop # 13	Team # 12
Stop # 14		Stop # 14	

1:00 p.m. [Advisors Workshop Soils 1st floor boys dorm](#)

2:30 p.m. [Advisors Workshop Aquatics 1st floor boys dorm](#)

3:20 p.m. Second Trail Tests Ends

3:30 p.m. Snacks – Break for Everyone – Dining Hall

4:00 p.m. 2017 Current Issue @ Chapel – Austin Lang, NRCS (Agricultural Soil and Water Conservation Stewardship)
[\(Advisors Take Forestry/Prairie/Wildlife Trail Test w/Marc & Rob\)](#)

5:00 p.m. Teams relax until evening meal

6:00 p.m. Evening Meal – Dining Hall

7:00 p.m. Oral Presentation Preparation Briefing – Chapel – Carol/Dane

8:00 p.m. Karaoke/ Basketball/ etc. – Activity Center

11:00 p.m. Adjourn to dorms

Friday May 12

Wear Envirothon T-Shirts!

7:30 a.m.	Breakfast
7:50 a.m.	Announcements – Dining Hall – Dane
8:00 a.m. - 9:00a.m.	(Advisors review team's trail tests 1st floor boys dorm w/ Marty)
8:00 a.m.	Teams Oral Presentation Question Carol/Dane/ Dining Hall
8:15 a.m.	Team Oral Presentation Prep in assigned rooms (2 hours 15 minutes)
9:00 a.m.	(Advisors - 2018 Current Issue - Western Rangeland - Chapel w/Marc)
10:30 am – 11:30 am	Teams 11 – 24A - Pollinator Demonstration (North of Activity Center)
10:30 a.m. – 1:30p.m.	Teams can review trail tests when not presenting – Activity Center/Gym (Beth & Andy)

Teams #1, #2, #3, #4 #5

Get your snacks quickly and proceed to your assigned presentation room to rehearse, be ready to present by 11:00 am

10:30 a.m.	Oral/Prep/Teams: 1 – 2 – 3 – 4 – 5	Team Pictures after orals - Dining Hall
11:00 a.m.	First Round Oral Presentations	
	Teams: 1 2 3 4 5	
	Room: A B C D E	

11:00 a.m.	Oral/Prep/Teams: 6 – 7 – 8 – 9 – 10	Team Pictures after orals - Dining Hall
11:30 a.m.	Second Round Oral Presentations	
	Teams: 6 7 8 9 10	
	Room: A B C D E	

12:00 p.m.	Noon Lunch – Dining Hall
12:30 pm – 1:30 pm	Teams 1 – 10 – Pollinator Demonstration (North of Activity Center)

Teams #11, #12, #13, #14, #15

Eat lunch at 11:45AM to allow the full 30 minute prep time before you present at 12:45PM

12:15 a.m.	Oral/Prep/Teams: 11 – 12 – 13 – 14 – 15	Team Pictures after orals - Dining Hall
12:45 a.m.	Third Round Oral Presentations	
	Teams: 11 12 13 14 15	
	Room: A B C D E	

12:45 a.m.	Oral/Prep/Teams: 16 – 17 – 18 – 19 – 20	Team Pictures after orals- Dining Hall
1:15 p.m.	Fourth Round Oral Presentations	
	Teams: 16 17 18 19 20	
	Room: A B C D E	

1:15 p.m.	Oral/Prep/Teams: 21A - 22A - 23M - 24M	Team Pictures after orals - Dining Hall
1:45 p.m.	Fifth Round Oral Presentations	
	Teams: 21A 22A 23M 24M	
	Room: A B C D	

2:30 p.m.	Snacks, Announce Top Three Teams – Dining Hall – Fred
3:00 p.m.	Team A Final Oral
3:30 p.m.	Team B Final Oral
4:00 p.m.	Team C Final Oral
4:30 p.m.	Awards Ceremony Marty/Fred

Appendix C- Milestone Table

Task/Responsible Organization	2018 Jul - Dec			2019 Jan - Dec					2020 Jan - Dec					2021 Dec - Jun		
Objective 1 Task 1: Contract with Coordinator to develop, build, and promote ND Envirothon program Output: Coordinator contract secured (30 mo. services invoices) Group: 2																
Task 2: Increase participation in Envirothon Output: Two New Schools or programs per year (6 new teams total) Group: 2																
Task 3: Receive local support Output: Local cash donations received (\$10,000 annually) Group: 2																
Task 4: Maintain Website Output: North Dakota Envirothon Website Maintained Group: 2																
Task 5: Maintain finances and submit reports Output: Bookkeeper contracted (Ongoing updates) Group: 3																
Task 6: Social media presence Output: ND Envirothon social media account (Ongoing) Group: 2																
Objective 2 Task 7: Update study materials Output: Resources assembled and distributed (3 updates) Group: 1, 2, 4, 5																
Task 8: Provide Awards Output: \$500 awards provided to each winning team member (\$2,500/ yr or \$7,500 total) Group: 1																

Task/Responsible Organization	2018 Jul - Dec			2019 Jan - Dec					2020 Jan - Dec					2021 Dec - Jun		
Task 9: Connect professionals with teams Output: Resource professionals worked with teams (Ongoing) Group: 1, 5																
Task 10: Trail tests and current issue revealed Output: Tests created and current issue revealed at state competition (3 total) Group: 1, 5																
Task 11: Coach's workshop Output: Host one workshop per year for advisors (3 total) Group: 1,5																
Objective 3 Task 12: ND State Envirothon Competition Output: Host state (3 total) competition for teams Group: 1, 2, 3, 4, 5																
Task 13: Registration fee for NCF - Envirothon Output: Support provided to winning ND Envirothon team (3 total) Group: 4																
Task 14: Increase or maintain 25 teams at state competition Output: New school at state ND Envirothon (3 total) Group: 2																
Task 15: One new regional competition Output: Three regional Envirothon competitions established (1 new) Group: 2, 5																
Group 1 – North Dakota Envirothon Committee Group 2 – Contracted Coordinator Group 3 – Contracted Bookkeeper Group 4 – State Department of Environmental Quality – Section 319 funded Group 5 – Natural Resource Professionals and volunteers																

North Dakota Envirothon



From the Valley to the Badlands

**North Dakota Envirothon
Team, Volunteer, Guest, Agency Representative, Evaluation Form
Crystal Springs Bible Camp
May 10-12, 2017**

Please complete before leaving the competition
Your input is important to us and the continued success of the Envirothon

Check if: ___ Student ___ Volunteer ___ Guest ___ Agency Representative ___

Please rate the following using this scale.

5 = Excellent; 4 = Very Good; 3 = Good; 2 = Fair; 1 = Poor

1 2 3 4 5 Registration

Comments: _____

1 2 3 4 5 Guidance on site (did you know when, where and what to do?)

Comments: _____

1 2 3 4 5 Food

Comments: _____

1 2 3 4 5 Lodging

Comments: _____

1 2 3 4 5 Guest Speakers

Comments: _____

1 2 3 4 5 Combined Trail Tests: Prairie/Forestry/Wildlife Aquatics/Soils

Comments: _____

1 2 3 4 5 Oral Presentations

Comments: _____

1 2 3 4 5 Orals prep and presentation on same day

Comments: _____

North Dakota Envirothon



From the Valley to the Badlands

North Dakota Envirothon Evaluation 2017

Evaluation for: Advisors

Please complete this questionnaire as candidly and in as much detail as possible. Don't be afraid to be critical. We will use this information to help us to improve the Envirothon for next year.

Name: _____ (optional) School: _____

Is this your first year in the Envirothon? Yes _____ No _____

Comments on Schedule for 2017 Event: _____

Comments on Two trail tests Prairie/Forestry/Wildlife Aquatics/Soils:

Resource Material

Do you like receiving the updated Envirothon resources on the ndenvirothon.org web site? Yes _____ No _____

Comment: _____

- How did your school/organization utilize the study material?

Class Curriculum _____, Science/Environmental Club _____, Other _____

- Was the available study material received early enough in the school year? _____

- If you could change one thing about the binders, what would it be? _____
- _____

Please comment on the educational value of the resources and or the program as a whole

- We would like to find out if you think the study material is too easy, too hard, or just right.

Please circle one number for each study area; then put down a phrase that explains your response.

	Easy			Difficult		
Water	1	2	3	4	5	_____
Soil	1	2	3	4	5	_____
Prairie/Forestry	1	2	3	4	5	_____
Wildlife	1	2	3	4	5	_____
Current Issue	1	2	3	4	5	_____

Field (Trail) Tests

- Which studied subject was the least or poorest represented by the trail questions?

Water _____ Soil _____ Prairie/Forestry _____ Wildlife _____ Current Issue _____

Recommendations for improvement of the trails are? _____

Which studied subject was the strongest or best represented by the trail questions?

Water _____ Soil _____ Prairie/Forestry _____ Wildlife _____ Current Issue _____ Why? _____

Oral Presentation:

- Was the Oral Presentation a valuable and a worthwhile exercise? Yes _____ No _____

- Did you like having teams prepare and present orals on same day? _____

- If you could change one thing about the Envirothon Orals, what would it be and how would you accomplish the change? _____

General Comments:

- How would you rate the following: (Please circle one)

	Poor		Good		Excellent
Facilities	1	2	3	4	5
Food	1	2	3	4	5
Lodging	1	2	3	4	5
Trail guide/Team buddy	1	2	3	4	5
Volunteers	1	2	3	4	5
Judges	1	2	3	4	5

- If you could change one thing about the Envirothon (Over all), what would it be and how would you accomplish the change? _____

- What was your favorite part of the Envirothon program? Why? _____

• Would you like to be involved in the Envirothon again next year? Yes _____ No _____

• Would you recommend the Envirothon program to a friend, other schools or potential volunteer?
Yes _____ No _____

Who? _____

Other comments _____

Thank you for taking the time to fill out this evaluation. Your comments are essential to a successful Envirothon Program.

Appendix E- Funding Sources

Funding Sources				
	Year 1	Year 2	Year 3	Total
EPA SECTION 319 FUNDS				
1)FY 2018 Funds (FA)	\$55,000	\$55,000	\$55,000	\$165,000
STATE/LOCAL MATCH				
1) Cash ¹	\$10,000	\$10,000	\$10,000	\$30,000
2) In-Kind (Non-Fed Volunteers)	\$26,666	\$26,667	\$26,667	\$80,000
Match Subtotals	\$36,666	\$36,667	\$36,667	\$110,000
TOTAL BUDGET				
	\$91,666	\$91,667	\$91,667	\$275,000
OTHER FEDERAL FUNDS				
1) NRCS (TA at student trainings and competition)	\$50,000	\$50,000	\$50,000	\$150,000
TOTAL FEDERAL FUNDS	\$50,000	\$50,000	\$50,000	\$150,000
TOTAL PROJECT COST				\$425,000
FA: Financial Assistance				
TA: Technical Assistance				
SCD: Soil Conservation District				
NRCS: Natural Resources Conservation Service				
FSA: Farm Service Agency				
NDDoH: North Dakota Department of Health				
<p>1. Cash donations will be received from a variety of local sponsors. Past sponsors have included: North Dakota Association of Soil Conservation Districts, American General Contractors, Barnes County Soil Conservation District, Barnes County Wildlife Federation, Cass County Soil Conservation District, K2S Engineering, Basin Electric, Stutsman County Soil Conservation District, North Dakota Game and Fish Department, North Dakota Natural Resources Trust, MacHolda Farms, Rutland Sportsman's Club, Turtle Lake Wildlife Club, Great River Energy, and Windy Mound Turkey Federation.</p> <p>2. Non-federal in-kind include members of the North Dakota Envirothon Committee and associated technical groups who volunteer to work one-on-one with teams throughout the school year as, as well as a variety of professionals volunteer their time to work as teachers, facilitators, trail guides, and judges at the State competitions. This also includes technical teams work on assembling resources, creating trail tests and current issue questions, and effort towards the coach's workshop per year to distribute and discuss resource materials.</p>				

Appendix F - Detailed Budget

Detailed Budget (Section 319/Non-Federal)						
	Year 1	Year 2	Year 3	Total Costs	Cash and In-kind Match	319 Funds
Objective 1: Develop, maintain, promote and grow the North Dakota Envirothon program.						
Contract for Services-Coordinator (Non employee)	\$36,000	\$36,000	\$36,000	\$108,000	\$30,000	\$108,000
Contract for Services-Bookkeeper (Non employee)	\$2,400	\$2,400	\$2,400	\$7,200	\$1,000	\$7,200
Website URL and builder	\$200	\$200	\$200	\$600	\$240	\$600
Subtotals	\$38,600	\$38,600	\$38,600	\$115,800	\$31,240	\$115,800
Objective 2: Stimulate interest in natural resources that will result in a life-long desire make wise decisions and strengthen complex problem-solving skills particularly regarding water quality and pollution control.						
Copy and assemble resources	\$700	\$700	\$700	\$2,100	\$840	\$2,100
Provide scholarships to winning team	\$2,500	\$2,500	\$2,500	\$7,500	\$0	\$0
Non-federal professional time and mileage (student trainings and competition)	\$28,190	\$28,190	\$28,190	\$84,570	\$56,380	\$0
Subtotals	\$31,290	\$31,290	\$31,290	\$93,870	\$57,220	\$2,100
Objective 3: Host annual North Dakota State Envirothon Competition.						
Competition Camp Rental	\$13,033	\$14,033	\$14,034	\$41,100	\$17,540	\$41,100
Registration Fee for NA Envirothon	\$2,000	\$2,000	\$2,000	\$6,000	\$4,000	\$6,000
Subtotals	\$15,033	\$16,033	\$16,034	\$47,100	\$21,540	\$47,100
Total for all Objectives/Tasks						
Total 319/Non-federal Budget	\$84,923	\$84,923	\$84,923	\$254,769	\$110,000	\$165,000
					(40%)	(60%)

Section 319 Funds per year	\$55,000	\$55,000	\$55,000	\$165,000
Total local match per year	\$36,666	\$36,667	\$36,667	\$110,000

